

E.C. SIMMONS

**KEEN
KUTTER**

CUTLERY
AND
TOOLS

**SIMMONS
HARDWARE
COMPANY**



"A JOBBER'S FIRST DUTY IS TO HELP HIS CUSTOMERS PROSPER"—

E. C. Simmons

THERE is a strong bond of mutual interest between Today's Retailer and Today's Wholesaler. Together, they form a channel of distribution which has clearly demonstrated its economic value to the public.

The independent retailer, like the independent wholesaler, will perpetuate himself only if he renders a full and satisfactory service to the consumer.

We feel very definitely that it is our duty to the retail merchants we serve to do everything possible to enable them to meet their competition successfully and profitably.

With this in view, we have spent time, effort and money to increase those phases of our service which enable our customers to meet the demands of the buying public. For three-quarters of a century we have supplied catalogs and other needed selling helps with dependable regularity.

Each year brings new methods of selling. Each year it becomes more essential for the hardware retailer to possess new selling media which will make it easier to build volume and increase profits.

In presenting our new "Z" catalog, we are offering you the last word in hardware catalogs. For the first time in the history of hardware retailing you now have a catalog containing the five essential features needed by the merchant faced with today's merchandising problems: (1) Consumer selling copy, (2) Prevailing retail prices, (3) Symbols showing approximate margins, (4) Complete description, (5) fully illustrated.

The most effective use of this catalog will be secured through using it (1) as a medium for the making of sales of merchandise not regularly stocked, (2) as a guide for competitive pricing, (3) as a textbook in hardware salesmanship, and (4) as an aid in buying.

We hope that it will serve you as we have planned.

SIMMONS HARDWARE COMPANY.

L. C. Crandall

President.

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ST. LOUIS, MO.

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ROSE TOOLS, INC.



115

Coleman KEROSENE MANTLE Lanterns

"The Lights of a Thousand Uses"

- Produce a Clear "Live" Pressure Light of Super Candle Power.
- Just the Light for Any Night—in Any Kind of Weather.
- Genuine Pyrex Glass Globes, an Exclusive Feature.
- Wind-Proof—Rain-Proof—Insect-Proof.
- Burn 96% Air and Only 4% Kerosene.
- Sturdily Built for Long, Dependable Service —

Model No. 235 —Here is the new high candlepower Coleman Kerosene Mantle Lantern, a worthy companion to the famous Coleman Gasoline Lanterns. This big, new 2-mantle model burns only 4% Kerosene and 96% air. It produces a clear "live" pressure brilliance—plenty of light for any job, any night, in any kind of weather.

Has T44K Generator for better and longer lighting service. Rotary lever operates generator tip cleaning needle. Genuine Pyrex glass globe an exclusive feature; protects mantle; makes lantern insect-proof, wind-proof, rain-proof. Hand-operated Filler Plug and built-in Pump. Fount is finished in green lacquer; holds 2 pints of fuel, enough for 10 to 12 hours lighting service. Gasoline may also be used as fuel if desired. Ventilator Top of green porcelain enamel finish is 6¼-in. in diameter. Overall height of lantern, 14¼-in.

Packed one in carton, complete with Pyrex Globe, two Coleman Silk-Lite Mantles, wrench and filling can. Shipping weight, 6 pounds.

U. S. Retail Price.....\$5.95



Model No. 235



Model No. 234

Model No. 234 —The handiest and best small lantern on the market! Burns kerosene; one-mantle type, produces a clear, high candlepower of brilliant "live" pressure light. If desired, gasoline may also be used as fuel. A popular lantern for sportsmen—for hunting, fishing, touring, camping, etc. Also a fine light for general use on farms, around docks, warehouses, packing sheds, etc. Has T66 Generator. Rotary lever operates gas tip cleaning needle.

The globe is of genuine Pyrex heat-resisting glass—protects mantle against insects, wind, rain, and snow. Fount, finished in green lacquer, holds 1¼ pints of fuel. Ventilator Top, 5½-in. in diameter, is finished in green porcelain enamel. Over-all height of lantern, 12½-in.

Packed one in carton, complete with Globe, one Coleman Silk-Lite Mantle with triple-lock weave and filling can. Shipping weight, 5 pounds.

U. S. Retail Price.....\$4.95

Burn Kerosene or Gasoline Fuel

Coleman GASOLINE PRESSURE *Mantle* Lanterns

SUPPLY THE LIGHT FOR EVERY OUTDOOR NEED AT NIGHT

High Candle Power—Clear, steady-shining, dark-chasing brilliance for any lighting job at night. Not affected by wind, rain or storm.

Low Cost Operation—Make and burn their own

gas from any good grade of clean gasoline free of anti-knock compounds. Burn approximately 4% gas to 96% air. Give more than 40 hours of dependable lighting service per gallon of fuel.

Oversize Generators—have more carbon space, last longer, fewer changes, more economical. Regular equipment.

Genuine Pyrex Glass Globes—an exclusive Coleman feature. Regular equipment as specified.

Safe—durably made of brass and steel—can't be filled while lighted, can't spill fuel even if tipped over.



Model No. 220B

Lights Instantly

A fine, big, powerful lantern that is always ready for every outdoor need, regardless of weather.

Two Mantles—High Candle Power Air Pressure Light.

T44G Generator—Oversize, gives longer service with fewer changes.

Pyrex Glass Globe protects mantles.

Ventilator Top—Green porcelain enamel, 6¾ inch diameter.

Fount—Nickel plated, two pint fuel capacity, enough for 12 to 15 hours lighting service, 6-inch diameter; built-in pump, hand operated filler plug.

Over-all Height 14½ inches.

One in carton complete with two Coleman double-strength, Silk-Lite mantles and wrenches. Shipping weight, 6 pounds.

Retail Price - - - \$7.45

Model No. L427

Match Generating

This model Lantern for years has set the standard of quality in construction and dependable lighting service.



Two Mantles—High Candle Power Air Pressure Light.

R55 Generator—Jumbo Rotary type. Special inside construction retards carbon formation.

Mica Chimney protects mantles.

Ventilator Top—Green porcelain enamel, 5¼ inches diameter.

Fount—Nickel plated, two pints fuel capacity enough for 12 to 15 hours lighting service, 6-inch diameter; built-in pump, hand operated filler plug.

Over-all Height 14 inches.

One in carton complete with two Coleman double-strength, Silk-Lite mantles, and wrench. Shipping weight, 5 pounds.

Retail Price - - - \$6.95



Model No. 242B

Lights Instantly

Single Mantle—Produces up to 175 candle power light.

T66 Generator—Oversize, gives long and dependable service.

Pyrex Glass Globe—bulge type, protects mantle.

Ventilator Top—Green porcelain enamel, 5½ inches diameter.

Brass Fount—Nickel plated, capacity, 1½ pints, enough for 7 to 9 hours lighting service, 5-inch diameter; built-in pump, hand operated filler plug.

Over-all Height 12½ inches.

One in carton complete with one Coleman Silk-Lite mantle. Shipping weight, 4 lbs.

Retail Price - - - \$5.95

Model No. 243A

Lights Instantly

Single Mantle—Produces up to 175 candle power light.

T66 Generator—Oversize, gives long and economical service.

Mica Globe mantle protector.

Ventilator Top—Blue porcelain enamel, 5-inch diameter.

Steel Fount—Blue lacquer enamel finish. Capacity 1½ pints, enough for 7 to 9 hours service; 5-inch diameter; built-in pump, hand operated filler plug.

Over-all Height 11½ inches.

One in carton complete with chimney, one Coleman Silk-Lite mantle. Shipping weight, 3½ pounds.

Retail Price - - - \$3.95



Model No. 228B

Lights Instantly

This is the same Lantern as No. 220B but has larger Ventilator Top.

Two Mantles—High Candle Power Air Pressure Light.

T44G Generator—Oversize, gives longer service with fewer changes.

Pyrex Glass Globe protects mantles.

Ventilator Top—Green porcelain enamel, 8¼ inch diameter. Under-side white enameled to throw light downward.

Fount—Nickel plated, two pint fuel capacity, enough for 12 to 15 hours lighting service, 6-inch diameter; built-in pump, hand operated filler plug.

Over-all Height 14½ inches.

One in carton complete with two Coleman double-strength, Silk-Lite mantles and wrenches. Shipping weight, 6½ pounds.

Retail Price - - - \$7.95

Handy Wall Hanger and Shield for Coleman Lanterns

Portable—slots in iron bar fit over nail or screw heads, easily lifts off—may be used anywhere



For use with Coleman Lanterns in barns, dairies, poultry houses, garages, etc. Model L427 Lantern equipped with shield and hanger is listed by Underwriters' Laboratories, File G521—the only gasoline lantern given such a listing. Porcelain enameled shield is durably made of heavy gauge metal, 11 inches in diameter and two inches high. Furnished with iron channel insulator and bracket strap. Shipping weight, 3½ pounds.

No. 204-480—Shield and Hanger complete.

Retail Price - - - \$1.95

COLEMAN GASOLINE MANTLE LANTERNS

The High Candle Power Air Pressure Light

- Clear, steady, shining, dark-chasing brilliance for any lighting job. Not affected by wind, rain, or storm. Popular with sportsmen. Ideal for farm use.
- Low cost operation—make and burn their own gas from any good gasoline. Burn 4% gas to 96% air. More than 40 hours' lighting to a gallon of fuel.
- Safe! Durable made of brass and steel—can't be filled when lighted—can't spill fuel if tipped over.

INSTANT-LITE

Turn valve. Touch a lighted match to mantles. Instantly there is a clear white light.

Burner—new roto-type, instant gas design and construction. New triple-life generator, automatic gas tip cleaner and air release, shade holder and two RB 41 Coleman Jr., mantles.

Fount—highly polished nickel finish. Built-in air pump and pyrex glass globe. Holds 2 pints, enough fuel for 12 to 15 hours. Diameter base 6 inches. Height over all 14¼ inches.

Complete with two mantles, wrench and tip pick.

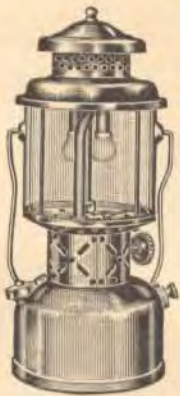


Fine, big, powerful lantern always ready for outdoor needs, regardless of weather.

Extra large green porcelain enamel top 8¾ inches in diameter, white enamel underneath to reflect light down. Especially desirable when concentrated light is needed.

RB 228B—Weight each 7½ lbs.....Each \$7.95

One in a carton.



Green porcelain enamel ventilator top 5 inches in diameter.

RB 220B—Weight each 6 lbs.....Each \$7.45

One in a carton.



Extra small generator tube makes it possible to get sufficient heat from two ordinary matches to start lamp. Two mantles produce 300 candlepower pure white light. Will not blow out. Easy to light, turns low and is extinguished by closing valve. Sturdy, safe to use around barns, stables, poultry houses and for general household use.

Fount—18-gauge brass, full nickel-plated. Double mantle burner. Hard fibre shut-off valve. Automatic cleaning valve prevents clogging. Holds 3 pints, sufficient for 15 hours' service. Diameter base 6½ inches. Heavy steel wire ball. Built-in pump screwed into fount. Threaded filler plug with heavily knurled edges, and small butterfly wings to permit removal and replacement with fingers.

Heavy brass perforated canopy. Metal-bound mica chimney, 5 inches high and 5 inches in diameter, has sliding door for convenient lighting. Height over all 13¾ inches. Complete with two rag mantles, pump, wrench, extra generator, extra gas tip and wire cleaning pick.

RB L427—Weight 6 lbs.....Each \$6.95

One in a fibre carton, with directions for operation.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

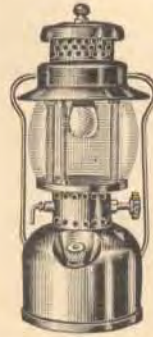
INSTANT-LITE JUNIOR

One-mantle type—produces up to 150 candlepower of pure white light.

Burner—roto-type, instant gas design and construction. New triple life generator, automatic gas tip cleaner and air release. RB 41 Junior mantle.

Fount—brass, standard nickel finish. Holds 1¼ pints, burns 7 to 9 hours. Built-in air pump and indented hand-operated filler plug. Aluminum mixing chamber. Double air intake. Diameter base, 5 inches. Heavy steel tinned wire ball.

Green porcelain enameled brass perforated top 4¾ inches in diameter. Height over all 11½ inches.



Complete with pyrex globe, mantle and direction sheet.
RB 242B—Weight each 4 lbs.....Each \$5.95

One in a carton.

SINGLE MANTLE INSTANT-LITE

Will produce 175 candlepower light.

Economical, attractive, light weight lantern. Handy for doing outside chores after dark. Fine for touring and camping.

Burner—roto-type, instant gas design and construction. New triple life generator, automatic gas tip cleaner and air release. RB 41 Junior mantle.

Fount—blue lacquer enamel finish. Holds 1¼ pints, fuel enough for 7 to 9 hours' service. Diameter base 5 inches. Built-in pump, hand-operated filler plug.

Blue porcelain enamel ventilator top, 5 inches in diameter. Mica chimney mantle protector. Oversize generator T66, gives long, economical service. Height over all 11½ inches.

RB 243A—Weight 3½ lbs.....Each \$3.95

One in a carton.



KEROSENE MANTLE LANTERNS

COLEMAN AIR-PRESSURE

"The Lights of a Thousand Uses"

- Produce a clear "Live" Pressure Light of Super Candlepower.
- Just the light for any night—in any kind of weather.
- Genuine Pyrex glass globes, an exclusive feature.



New high candlepower, 2-mantle light for use around barns, chicken houses, farm houses, warehouses, docks, stores. Fine for fishing and camping. Burns kerosene or gasoline. Gives plenty of light for any job.

Font—Sturdily built of steel and brass, finished in green lacquer. Holds 2 pints, enough fuel for 10 to 12 hours' service.

Ventilator top finished green porcelain enamel 6 1/4 inches in diameter. Over-all height of lantern 14 1/4 inches.

With RB T44K Generator. Rotary lever operates generator tip cleaning needle. Hand-operated filler plug and built-in pump.

Complete in one carton with Pyrex globe, two mantles, wrench and filling can.

RB 235—Weight each 6 lbs.....Each \$5.95

- Wind-proof—Rain-proof—Insect-proof.
- Burns 96% air and only 4% kerosene.
- Sturdily built for long, dependable service.



One Mantle

Produces clear, brilliant light.

Safe, handy small lantern. Popular with sportsmen for hunting, fishing, touring, camping. Ideal for general use about farms, chicken houses, dairies.

Font—Safe, unbreakable steel and brass, finished in green lacquer. Holds 1 1/2 pints, enough for 7 to 9 hours' service.

Ventilator top 5 1/2 inches in diameter, finished in green porcelain enamel. Over-all height of lantern 12 1/2 inches.

With RB T66 Generator—Rotary lever operates gas tip cleaning needle. Gasoline can be used if desired.

Complete in one carton, with globe, mantle and filling can.

RB 234—Weight each 5 lbs.....Each \$4.95

One in a carton.

MANTLES—

For natural, manufactured or gasoline gas lights. Especially adapted for gasoline lighting systems. For kerosene air pressure lamps, and lanterns.



COLEMAN JUNIOR

The quality mantle, correct in size, shape and weave to produce full brilliance. Medium weave rag mantle with sewed bottom and drawstring top. Soft, un moulded. Can be handled without injury. Moisture-proof—will not deteriorate. Size 2 3/4 x 2 3/4 inches.

RB 41—Cotton thread2 for \$0.15

RB 21A—Silk-lite; triple-lock weave; rayon silk2 for .15

Weight per dozen 1/2 lb.

Two in a waxed envelope.

One dozen in a carton. Twelve cartons in a display box.



SENIOR

Soft woven rag mantle not moulded to shape with gathered bottom and drawstring top. Standard size. When lying flat, length 4 1/4 inches, width 2 1/2 inches.

RB 70—Weight per dozen 1/2 lb.

Each \$0.10

One in an oiled envelope.

One dozen in a large manila envelope.



JUNIOR

Fine, durable, mantle with gathered bottom and drawstring top. Soft, not moulded to shape. Size flat 2 3/4 x 2 3/4 inches.

RB 140HC—CottonEach \$0.05

Two in a waxed envelope.

Six envelopes (1 dozen) in a large manila envelope.

RY 140S—Rayon silk.....Each \$0.05

One-half dozen in a carton.

RY 31—RaytexEach \$0.05

Weight per dozen 1/2 lb.

Two in a waxed envelope.

One-half or one dozen in a carton.

MANTLES

INVERTED TYPE—SINGLE



For standard size natural or artificial gas lights. Double weave for strength. Length 1 1/2 inches, width 1 1/2 inches. Three-prong magnesia top ring to fasten to mantle holder.

RB 25—Weight per dozen 1/4 lb.Each \$0.15

One in a carton.

One dozen in a cardboard box.

KEROSENE MANTLES

UNIVERSAL

Economical!

Efficient!

Easily installed!

Assures a clear white light. Carefully shaped, correctly woven and meshed, and thoroughly saturated with finest quality of light-giving chemicals.

Made of especially selected ramie fibre and double thread resulting in a larger, heavier and more durable mantle.

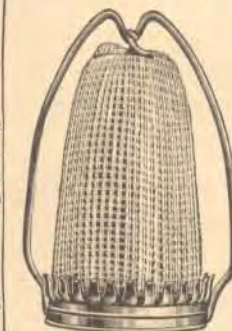
For Aladdin Kerosene Mantle Lamps


RB 100—Old style: For all models up to and including No. 11.....Each \$0.37

RB 200—New style: For No. 12 and new models A and B.....Each \$0.37

Weight per dozen 1 1/2 lbs.

One in a carton. Three dozen in a case.





CUTLERY AND TOOLS
STANDARD OF AMERICA

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

LAMP GLOBES

For Kerosene and Gasoline Mantle Lamps

GENUINE PYREX GLASS



High grade, heat resisting clear glass. Protects mantles from flying insects. Height 5 3/4 inches, diameter 5 1/4 inches.

For lamps Nos. RB 129, RB 132A, 133, RY 134P and 134.

RB 355—Weight each 2 lbs.Each \$0.90

One in a carton. Six in a standard package.

LANTERN CHIMNEYS

PYREX GLASS



High grade heat resisting clear glass. For Nos. RB 220B and RB 228B Instant-Lite lanterns. Height 5 1/4 inches, diameter 4 3/8 inches.

RB 330—Weight each 1 1/2 lbs.Each \$1.00

One in a carton. Six in a standard package.

PYREX GLASS, BULGED TYPE



Diameter, openings 3 1/2 inches, bulge 4 1/2 inches. Height 4 1/2 inches.

For Nos. RB 242B and RB 243A Coleman lanterns.

RB 550—Weight each 3/4 lb.Each \$0.75

One in a carton. Six in a standard package.

MICA



For Quick-Lite and Instant-Lite lanterns. Metal bound. Diameter 5 inches. Height 5 inches.

RB 327—Weight each 1/2 lb.Each \$0.65

One in a carton. Twelve in a standard package.

SUCTION PUMPS



Removes dirty fuel from founts of gasoline and kerosene lanterns, and from tanks of stoves and heaters.

Nickel-plated brass barrel 10 inches long, 1 7/8 inches in diameter. Steel plunger rod. Black enamel wood top and handle. 7 1/2-inch brass tubing with steel threaded connection to fit in bottom of barrel. Length pump 13 inches. Length over all about 21 inches.

RB 627590—Weight each 1 lb.Each \$1.35

Packing—bulk.

Your Safest Guide in
Buying—Take the
KEEN KUTTER Brand

GENERATORS

FOR COLEMAN LAMPS AND LANTERNS

Rotary Cleaner Type



Jumbo—extra large carbon space. Special inside construction retards carbon formation, accommodates a wider range of fuels. Longer lasting, more economical, gives more dependable lighting service. Built-in rotary-lever operates cleaning needle, keeps generator tip clean.

For use on all Quick-lite lamps and lanterns, and Instant-lite lamps and lanterns Nos. 117, 118, 119, 132P, 220 and 228. Also for replacement of Q77 and Q99.

RB R55—Weight per dozen 1/2 lb.Each \$0.50



Standard equipment on all Quick-lite lamps and lanterns except Nos. 130G, 130P, 131P, RB 134P, 150G, 150B, 150I and 150R.

RB Q99—Weight per dozen 3/8 lb.Each \$0.35

One in a carton.

FILTER FUNNELS

SCHUYLER PATENT

Removes dirt, water and other impurities from fuel used in pressure gas lamps, lanterns, stoves and heaters.



Heavy metal copper-plated body. Non-corrosive. Fine brass wire strainer soldered in bottom. Removable ring brass wire filtering plate covered with special filtering fabric. This fabric when saturated with gasoline will not let dirt or water pass through.

For Coleman Lamps and Lanterns

Capacity half pint. Will strain 1/2 gallon per minute. Diameter at top 2 1/2 inches. Height 2 1/2 inches. Outlet 1/4 inch.

RB 0—Weight each 4 ozs.Each \$0.50

Six in a carton, twelve in a case.
Weight per case 14 3/4 lbs.

For Coleman Stoves and General Use

Capacity one quart. Strains 4 gallons per minute. Diameter at top 5 inches. Height 6 inches. Outlet 1/4 inch.

RB 1—Weight each 9 ozs.Each \$1.20

Six in a carton, 36 in a case.
Weight per case 30 lbs.

HAND PRESSURE PUMPS



For use with Coleman's portable gasoline lamp. Highly polished nickel-plated seamless steel tubing. Diameter 3/8-inch. Ebony finish wood handle. Length over all 13 1/4 inches.

RB 101522—Weight each 3/8 lb.Each \$0.75

Packing—bulk.

RB 216509—Pump leathers for RB 101522 PumpsEach \$0.05

Packing—bulk.

Equipped with cleaning needle, operated by rotary lever.

RB T44G—For lamps and lanterns Nos. 117A, 118A, 119A, RB 132A, 133, 134G, RB 134P, 134B, 150G, 150-I, 150R, RB 220B and RB228B.
Each \$0.45

RB T44K—For kerosene lamps Nos. 129, 129G, 150BK, 150IK, 150RK and kerosene lantern RB 235Each \$0.45

RB T66—For Coleman lanterns Nos. RB 234, 242, 242A, RB 242E and 243.Each \$0.45

Standard equipment on Instant-lite models 117, 118, 119, 220 and 228. Can be used also on all Quick-lite lamps and lanterns except RB 134P, 150B, 150G, 150I and 150R.

RB Q77Each \$0.25

Weight per dozen about 1/4 lb.
Packing—bulk.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

BRACKET LAMPS

MASCOT



Beautiful French bronze finish, cast iron bracket. Swings to right or left and projects 11 inches. Height to top of chimney 13 inches. Fitted with No. 42 "shrunk-on" collar. Glass outside filler fount. No. 2 Eureka Sun burner, No. 2BTS chimney, No. 2 flat wick, and 7-inch silvered glass reflector. Oil capacity 1½ pints.

Complete with brackets, founts, burners, wicks, chimneys and reflectors.

RB 100C — Complete —
Weight per barrel
75 lbs. **Each \$1.49**

One dozen in a barrel.

RB 100X—Bracket only. Without Reflector.
Weight per case 155 lbs. **Each \$0.25**

Six dozen in a case.

KITCHEN LAMPS

Handy, space saving bracket lamp. Fine for summer cottages and camps.

Complete with frames, founts, No. 2 Premo Sun burners, No. 2 flat wicks, No. 2BTS Sun chimneys, and reflectors.



Black japanned extra heavy tin frame. Securely soldered. Height to top of chimney 13 inches, projects 6½ inches from wall. Glass outside filler fount and 7½-inch corrugated tin reflector. Oil capacity 1 pint.

RB 50—Complete—Weight per dozen 35 lbs. Weight per barrel 70 lbs. **Each \$0.59**

RB 500—Bracket Only, with reflector.
Weight per dozen 3 lbs. **Each \$0.10**



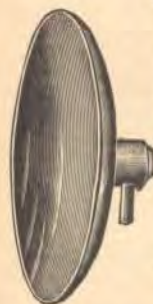
Bright iron wire frame. Height to top of chimney 12¼ inches. Projects 7 inches. Glass outside filler fount and 7-inch corrugated tin reflector. Oil capacity 1 pint.

RB 52—Complete—Weight per barrel 70 lbs. Weight per dozen 35 lbs. **Each \$0.59**

RB 520—Bracket Only, with reflector.
Weight per dozen 3 lbs. **Each \$0.10**

Lamps, two dozen in a barrel, or one dozen in a wood box. Brackets: packing—bulk.

LAMP REFLECTORS



Gives maximum lighting service for bracket lamps.

Finest quality lead flint glass, double silver backed. With bracket post.

Nos.	Each	Weight	
		Diam., In.	per Doz., Lbs.
RB 7R	\$0.59	7	14
RB 8R	.69	8	16

Three dozen in a carton.

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GLASS FOUNTS

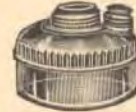
Handled—Crystal



For iron chandeliers and bracket lamps. Plaster collar and outside filler, No. 2 burner and chimney. Bottom measures 4 inches, height to top of collar 4 inches. Oil capacity 1½ pints.

RB 42—Weight per dozen 15½ lbs. **Each \$0.39**

Three dozen in a case.



For "Mastif" or any standard make bracket. Plaster collar and outside filler. Takes No. 2 burner and chimney. Bottom measures 4½ inches. Height to top of collar 3½ inches. Oil capacity 1 pint.

RB M^F—Weight per dozen 25 lbs. **Each \$0.29**

One dozen in a wood box.

NIGHT LAMPS

POLLYANNA

Exact miniature of a full size kerosene lamp. Suitable for all night burning in the nursery, sickroom or reception hall. Will burn 9 hours on one filling. Makes a decorative ornament, too, for end table, mantel, buffet, radio.

All metal, steel base and fount, brass burner. Finished in lovely soft pastel colors—green, blue and canary.



With Shade

Brass cone 4½ inches in diameter, shade beautifully finished in pastel colors—green, blue and canary.

Height over all 7½ inches.

RB 1500C—Weight per dozen
4 lbs. **Each \$0.39**



Without Shade

Height over all 7½ inches.

RB 1500—Weight per dozen 3½ lbs. **Each \$0.25**

One-half dozen assorted colors in a carton.

NIGHT LAMP WICKS

RB 15W—For Nos. RB 1500C and RB 1500 night lamps.
Weight per gross ½ lb. **2 for \$0.15**

Packing—bulk.

NIGHT LAMP SHADES



Brass, beautifully finished in pastel colors—green, blue and canary. Diameter 4½ inches, height 1¾ inches.

RB 15—Weight per dozen
½ lb. **Each \$0.15**

Packing—bulk.

KEROSENE TABLE LAMPS



"THE RAYO"

This beautiful lamp produces a soft, steady, clear, white light, restful to the eyes. Perfect combustion results from central draft construction that supplies burner the proper amount of air. Clean, safe, easy to manipulate and re-wick.

Brass through-out. Center draft Rayo burner — 2 3/4

inches diameter, with 1 3/4 inches flame spreader. No. RB 2R wick, No. 2RL10 chimney. Complete with No. RB 4616 fancy white monax glass shade 10 inches in diameter. Height over all 21 inches.

Oil capacity 1 quart.

Nickel-plated.

RY RTL—Weight per dozen

60 lbs.....Each \$4.29

One in a carton. One-half dozen in a case.

LAMP SHADES



For Rayo Lamp No. RY RTL. White monax glass with attractive design. Diameter 10 inches, height 6 inches.

RB 4616—Weight per dozen

22 lbs.....Each \$0.98

One-half dozen in a carton.

CIRCULAR LAMP WICKS



RAYO

For Rayo Lamps

Length 7 1/2 inches, width when folded flat 2 1/2 inches.

RB 2R—Weight per gross 6

lbs.....Each \$0.10

One-twelfth gross in a bundle. Ten gross in a case.

Polly Prim

ENAMELWARE

is

Long Wearing, Useful
and Attractive

LAMP CHIMNEYS

EXTRA STRONG FIREPROOF

NU-LITE

Outstanding for weight, strength and brilliancy!



Hand made double weight, finest quality flint glass. Hand annealed and toughened to resistance against shock of heat and cold. Will stand 10 to 50 times usage of ordinary glass.

Bottom diameter 3 inches, bulb diameter 4 inches. Height 8 1/2 inches.

RB 2AJ—Three dozen in a carton.

Weight per carton

25 lbs.Each \$0.25

RB 2AJ—Broken packages. Weight

per dozen 8 lbs.....Each \$0.25

Individual packed in hexagon cartons, eliminating breakage.



FOR ROCHESTER B & H OR RAYO

Bottom diameter 2 3/4 inches, bulb diameter 3 3/4 inches. Height 10 inches.

RB 2RL—Three dozen

in a carton. Weight per carton 24 lbs.....Each \$0.15

RB 2RL — Broken

packages. Weight per dozen 7 lbs.....Each \$0.15

Packed in separate corrugated tubes.

GLOBE TYPE



Gracefully shaped, fine clear flint glass with delicately etched design.

Fits all burners to which sun chimneys are adapted. Bottom diameter 3 inches, bulb diameter 5 1/4 inches. Height over all 9 inches.

RB 2EL—Weight per dozen 9 lbs...Each \$0.15

One dozen in a package,

LAMP CHIMNEYS

Hand made, hand finished of clear flint glass.

CRIMP TOP SUN

STAR—COMMON

Bottom diameter 2 1/2 inches, bulb diameter 3 3/4 inches. Height over all 7 1/2 inches.

RB 1BTS—Three dozen in a case. Weight per case 15 lbs.....Each \$0.10

RB 1BTS — Broken packages. One dozen in a package. Weight per dozen 4 1/4 lbs...Each \$0.10



Packed in separate corrugated tubes.

STAR—COMMON

Bottom diameter 3 inches, bulb diameter 4 inches. Height 8 1/2 inches.

RB 2BTS—3 dozen in a carton. Weight per dozen 5 lbs...Each \$0.10

RB 2BTS — One dozen in a package. Weight per carton 18 lbs. Each \$0.10



Packed in corrugated tubes.

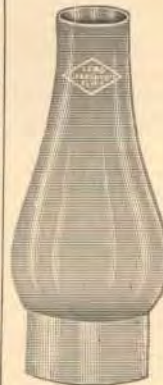
PLAIN TOP SUN

Can be used with 8-inch globe. Bulbs of ordinary sun chimneys are too large to pass through bottom opening of globe.

Bottom diameter 3 inches, bulb diameter 3 1/2 inches. Height 8 1/2 inches.

RB 2PTS — Three dozen in a carton. Weight per carton 22 lbs...Each \$0.10

RB 2PTS — Broken packages. Weight per dozen 6 lbs....Each \$0.10



Packed in separate corrugated tubes.

NUTMEG

For small night lamps—similar to our No. RB 1500 series. Strong, clear glass. Height 3 1/2 inches, diameter at bottom 1 1/4 inches, at top 1 1/8 inch.

RB 117—Weight per dozen 1 lb.....Each \$0.10



Twelve dozen in a case.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

LAMP BURNERS

Here's a wide assortment of the most popular lamp burners, built for superior service.



WHITE FLAME
Equipped with an unbreakable removable steel mantle, which increases the whiteness of the flame.

All brass, aluminum finish. Fits No. RB 2 threaded collar. Inside diameter 3 inches. Takes regular No. RB 2 Sun chimney and No. RB 2 (Size B) 1-inch wick.

RB WF—Weight per dozen
1 1/2 lbs.....Each \$0.35

One in a carton, one dozen in a cardboard box.



REGAL

Brass, with steel ratchet pinion and bottom. Inside diameter 3 inches. Takes RB 2 Sun chimney and RB 3 (size D) flat wick. Fits either No. 2 or No. 3 collar.

RB 3R—Weight per dozen
3 lbs.....Each \$0.29

Packing—bulk.



STEEL MANTLE

Steel mantle fastened to inside of cone, converts the coal oil into gas, making a white flame. Burner made of brass. Fits No. 2 threaded collar. Inside diameter 3 inches. Takes regular RB 2 Sun chimney and RB 2 flat wick.

RB 2WL—Weight per dozen
1 1/2 lbs.....Each \$0.19

One dozen in a cardboard box.



QUEEN ANNE

Produces a steady white light at any flame, and will not smoke when turned low. Dome tips back clear of burner—tube makes wick trimming easy.

Solid brass. Bright finish thoroughly lacquered. Special patented steel vaporizing throat.

Nos.	RB 1QA	RB 2QA
Inside Diameter, In.	2 1/2	3
For Sun Chimney, Nos.	1	2
For Wick, Nos.	1	2
Weight per Dozen, Lbs.	1	1 1/2
Each	\$0.19	.19

One dozen in a folding box.

FLAT LAMP WICKS



American striped tiger wick (red and black stripe).

Nos.	Each	Size, Inches	Weight per Gross, Lbs.
RB 1 (or A)	\$0.01	8x 5/8	3/4
RB 2 (or B)	.02	8x1	1 1/4
RB 3 (or D)	.02	8x1 1/2	1 3/4

One-twelfth gross in a bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.



PAUL'S All Brass

Inside diameter 3 inches. Takes RB 2 Sun chimney and RB 2 flat wick.

RB 2—Weight per dozen
1 1/2 lbs.....Each \$0.15

Packing—bulk.



EUREKA

Heavy Brass, Corrugated Cone
Inside diameter 3 inches. Takes RB 2 Sun chimney and RB 2 flat wick.

RB 2E—Weight per dozen
1 1/2 lbs.....Each \$0.15

One in a carton, one dozen in a cardboard box.

PREMIER SUN



Brass top and cone. Brass plated steel prongs, ratchet and wick tube.

RB 1PS—Inside diameter 2 1/2 inches. Takes RB 1 Sun Chimney and RB 1 flat wick. Weight per dozen 1 1/4 lbs.....Each \$0.10

RB 2PS—Inside diameter 3 inches. Takes RB 2 Sun chimney and RB 2 flat wick. Weight per dozen 1 3/8 lbs.....Each \$0.10

One dozen in a cardboard box.



PREMO

All steel, brass plated, with brass cone.

Inside diameter 3 inches. Takes RB 2 Sun chimney and RB 2 flat wick.

RB 2P—Weight per dozen 1 1/2 lbs.....Each \$0.10

Packing—bulk.

LAMP JAR CAPS



Construct your own attractive utility and ornamental kerosene lamps, with these caps. Fit glass jars from national and local food products and any standard mason jar. Center opening threaded for RB 2 Burner.

Gold lacquered tin cap—inside diameter 2 1/8 inches, center hole 1 3/8 inches in diameter.

RB 2—Lamp Jar Caps Only. Weight per dozen
1 lb.Each \$0.10

One on a card, two dozen in a carton.

Glass Lamp Assortments



Two Clever, Colorful Designs

Choice of a smart little black Scotty or a pretty floral pattern on pure white glass, modern shape fount. Sturdy large round base in red or blue.

These lamps are ruggedly constructed in one piece. Special insert collars, No. 2, remain firmly in place preventing damaged threads. Height 9 1/4 inches, diameter base 6 3/8 inches.

Oil Capacity 31 Ozs.

Assortment Consists of: One dozen lamps assorted: 4 with red base and red floral design on fount; 4 with blue base and red floral design on fount; 4 with red base and black Scotty design on fount.

Without Burners or Chimneys

RB 260/33—Weight per assortment 45 lbs. Each \$0.59

One assortment in a carton.



LAMP CHIMNEYS

Clear glass with crimped top. Assorted decorations—8 with red floral design and 4 with black Scotty dogs on a frosted background band.

Diameter at bottom 3 inches. Bulb 5 1/4 inches, height 9 inches.

RB 233—Assorted. Weight per dozen 7 lbs. Each \$0.25

Packing—bulk.



GLASS LAMPS

Without Burner or Chimney
Outstanding Value

You get value plus in this attractive, low priced lamp! It is crystal glass, artistic in design with round fount and large classic base.

Rugged construction; one-piece. No. 2, special insert collar. Height 8 3/4 inches, diameter base 5 3/8 inches.

RB 236—Weight per dozen 30 lbs. Each \$0.35

One dozen in a carton.



Just the lamp to harmonize nicely with your home furnishings. Octagon shaped pure white glass fount. Attractive round base in red, blue, or black glass.

Rugged construction— one-piece with large, substantial base that is not easily tipped over. Special insert collars remain firmly in place, preventing damaged threads. No. 2 collar. Height 9 1/4 inches, diameter base 6 3/8 inches.

Oil Capacity 31 Ozs.
Assortment Consists of: One dozen lamps assorted 6 red, 3 blue, 3 black.

Without Burners or Chimneys

RB 261/23—Weight per assortment 45 lbs. Each \$0.49



Round fount of pure white glass. Large classic glass base in assorted colors, red, blue, or black.

Rugged construction— one-piece. No. 2 special insert collar. Height 8 3/4 inches. Diameter base 5 3/8 inches.

Oil Capacity 15 Ozs.

Assortment Consists of:

One dozen lamps assorted, 6 red, 3 blue, 3 black.

Without Burners or Chimneys

RB 236/23—Weight per assortment 28 lbs. Each \$0.39



Crystal Glass

Choice of attractive styles, round and octagon shaped founts, embossed base. These lamps are ruggedly constructed and have large, substantial bases which prevent tipping over. They are one-piece construction with special insert collars which remain firmly in place, preventing damaged threads. Height 9 1/4 inches, diameter base 6 3/8 inches. No. 2 collar. **Oil Capacity 31 Ozs.**

Assortment consists of one dozen lamps: 6 each of the 2 patterns illustrated. **Without Burners or Chimneys.**

RB 31—Weight per assortment 40 lbs. Each \$0.39

One assortment in a carton.

SOLD ONLY IN FULL CARTONS.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

Polly Prim ... to Choose *Polly Prim* Is to Express Good Taste!

The distinctive name *Polly Prim* labels a multitude of household needs built precisely for your greatest satisfaction. Smart, modern housewives demand *Polly Prim* because it means . . .

- Smartness in appearance—that adds to the attractiveness of the home.
- Finest materials—the best in quality.
- Expert workmanship—that gives long-life service.
- Moderate prices—permitting the purchase of these needs and keeping within the family budget.

ALUMINUM WARE

DOUBLE BOILERS
 DRIP COFFEE MAKERS
 EGG POACHERS
 FRENCH FRYERS
 KETTLES,
 Covered
 Preserving
 Tea
 PAILS,
 Dairy
 Dinner
 Household
 PANS,
 Angel Food Cake
 Baking
 Biscuit
 Bread
 Cake
 Corn Cake
 Dish
 Gem
 Layer Cake
 Meat Loaf
 Muffin
 Pudding
 Roasting
 Tea Cake
 PERCOLATORS
 PIE PLATES
 RING MOLDS
 ROASTERS
 SAUCE PANS,
 Covered
 Windsor
 CARPET SWEEPERS
 CAST HOLLOW WARE,
 CHICKEN FRYERS
 DUTCH OVENS
 FRENCH FRYERS
 GRIDDLES, ROUND
 SKILLETS
 CLOTHES WASHERS
 COAL HODS
 DUSTERS

ENAMELED WARE, WHITE

BASINS, WASH
 BOILERS,
 Coffee
 Milk or Rice
 BOWLS,
 Mixing
 Soup
 BUCKETS, COVERED
 CHAMBERS
 COFFEE POTS
 CUPS,
 Straight
 Drinking
 CUP AND SAUCER SETS
 CUSPIDORS
 DIPPERS
 DRIP COFFEE MAKERS
 INFANT BATHS
 KETTLES,
 Covered
 Milk
 Preserving
 Tea
 LADLES
 PAILS, WATER
 PANS,
 Dish
 Milk
 Pudding
 Stove
 PERCOLATORS
 PITCHERS, WATER
 PLATES,
 Dinner
 Pie
 SAUCERS
 SAUCE PANS,
 Covered
 Windsor, Lipped
 SINK STRAINERS
 SPITTOONS
 SPOONS, BASTING
 FOOD CHOPPERS

GALVANIZED WARE

BOILERS, WASH
 BUCKETS, WELL
 CANS,
 Ash
 Garbage
 Radiator Filling
 COAL HODS
 FUNNELS,
 Automobile
 Tractor
 MEASURES, UTILITY
 PAILS,
 Cement
 Water
 SPRINKLERS
 TUBS, WASH
 Bailed
 Round
 Square
 ICE CREAM FREEZERS
 IRONING BOARDS
 MOPS,
 Dusting
 Polishing
 MOP WRINGERS
 SCALES,
 Bath
 Family
 VACUUM CLEANERS
 WASHBOARDS
 WASH BOILERS,
 COPPER
 WASHERS,
 Electric
 Gasoline
 WATER COOLERS
 WICKS, OIL STOVE

BUY
Polly Prim
 With Confidence!

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E. C. SIMMONS
**KEEN
KUTTER**
CUTLERY
AND
TOOLS

KEEN KUTTER POCKET KNIVES
*have been America's favorite for
more than half a century!*



ROSE TOOLS, INC.

KEEN KUTTER

America's Finest Cutlery... Invites Your Inspection!



This attractive cutlery table is made expressly for your convenience in selecting merchandise that will best suit your cutlery requirements.

You may inspect a complete selection of **KEEN KUTTER** cutlery neatly displayed and kept dust-proof, under glass covers. Ask the salesperson to show you **KEEN KUTTER** cutlery so that you may more closely examine it and appreciate its beauty . . . construction . . . quality . . . and sharpness.

KEEN KUTTER Pocket Knives—Standard of America

No wonder KEEN KUTTER is known throughout the country as the finest pocket knife! Years of faithful service from keen cutting blades and fine mechanism have proven the value of this superior pocket cutlery . . . have proved that it pays to buy the best.

Quality in every piece of material used makes these knives stand out among leaders.

Craftsmanship in design, tempering, and assembling is shown in their beauty and performance.

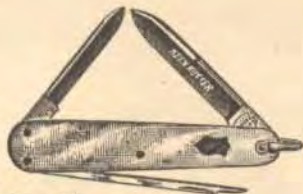
Economy as years of satisfaction increase the value of a dependable knife that is always ready.



Pearl handle.
Four blades—spear, pen, nail scissors and pick nail file, full polished.
Nickel-silver shield and lining, full milled.
Length—2¾ inches.
KB K4843.....Each \$6.75



Pearl handle.
Four blades—large spear, 2 pen and pick nail file, full polished.
Nickel-silver tips, shield and lining. Full milled.
Length—3 inches.
KB K357.....Each \$5.75



Pearl handle.
Three blades—large spear, pen and pick nail file, full polished.
Nickel-silver shield, shackle and lining. Full milled.
Length—2¾ inches.
KB K0643.....Each \$4.00



Pearl handle.
Three blades—large spear, pen and pick nail file, full polished.
Nickel-silver shield and lining. Milled back.
Length—3 inches.
KB K3037T.....Each \$4.00



Pearl handle.
Two blades—large spear and long nail file, full polished.
Nickel-silver tips and lining. Full milled back.
Length—3 inches.
KB K0153.....Each \$3.00



Pearl handle.
Four blades—spear, 2 pen, and file, full polished.
Nickel-silver bolsters, shield and lining.
Length—3¼ inches.
KB K4208.....Each \$3.00



Pearl handle.
Three blades—large spear, pen and Curley nail file, full polished.
Nickel-silver tips, shield and lining.
Length—3¼ inches.
KB K3073.....Each \$2.50



Pearl handle.
Two blades—large spear and pen, full polished.
Nickel-silver tips and lining.
Length—3¾ inches.
KB K099T.....Each \$2.25



Pearl handle.
Two blades—large spear and pen, full polished.
Nickel-silver tips and lining.
Length—3 inches.
KB K083T.....Each \$1.75

One-half dozen in a carton.



WITH FINE LEATHER
POCKET KNIFE PURSE
AND INDIVIDUAL BOX
A handsome, useful gift—both knife and case streamlined in design.
Genuine pearl handle.
Two blades—large spear and pen, full polished.
Nickel-silver tips and lining.
Length—3½ inches.
KB K863.....Each \$1.65

One in an individual gift box.



Pearl handle.
Two blades—large spear and nail file, full polished.
Nickel-silver tips, shackle and lining.
Length—2¾ inches.
KB K0388SF.....Each \$1.65



Pearl handle.
Two blades—large spear and pen, full polished.
Nickel-silver tips, shield and lining.
Length—2¾ inches.
KB K0488.....Each \$1.65

One-half dozen in a carton. Weight per dozen 1¼ lbs.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER Pocket Knives

Outstanding for Quality and Beauty



A Gift for Every Boy

POCKET KNIFE—KEEN KUTTER quality. Genuine pearl handle.

Two blades—sabre and pen.

Nickel-silver bolster and cap. Brass lining.

Length—2¾ inches.

PURSE—black leather, well sewed, with snap button fastener.

PRESENTATION BOX—pure white cardboard, covered with white alligator pattern paper.

KB K733¼—Weight per dozen

1¼ lbs. Each \$1.25

One dozen in a carton.



Pearl handle.

Two blades—large spear and pen, full polished.

Nickel-silver bolsters and lining.

Length—3 inches.

KB K0209R.....Each \$1.25



White celluloid-pearl handle.

Two blades—large spear and long nail file, full polished.

Nickel-silver tips and lining.

Length—2¾ inches.

KB K720.....Each \$1.00



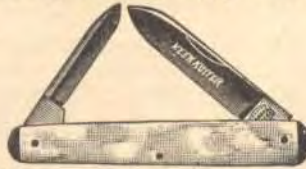
White celluloid-pearl handle.

Two blades—large spear and nail file, full polished.

Nickel-silver tips and lining.

Length—3 inches.

KB K0153C.....Each \$1.00



Celluloid-pearl handle.

Two blades—large spear and pen, full polished.

Nickel-silver tips and lining.

Length—3 inches.

KB K080T.....Each \$1.00



Celluloid-pearl handle.

Two blades—large spear and pen, full polished.

Nickel-silver tips, shield and lining.

Length—3 inches.

KB K02235N.....Each \$1.00



White iridescent celluloid-pearl handle.

Two blades—large spear and pen, full polished.

Nickel-silver tips and lining.

Length—3½ inches.

KB K863C.....Each \$0.75



Red and tan celluloid handle.

Two blades—large spear and pen, full polished.

Nickel-silver bolsters, shield and lining.

Length—3½ inches.

KB K01880A.....Each \$0.75



Stag handle.

Two blades—large spear and pen, full polished.

Nickel-silver bolsters, shield and lining.

Length—3½ inches.

KB K01881.....Each \$0.85



Stag handle.

Two blades—large spear and pen, full polished.

Nickel-silver lining, tips and shield.

Length—3¼ inches.

KB K0256.....Each \$1.00



Stag handle.

Two blades—large spear and pen, full polished.

Nickel-silver tips, shield and lining.

Length—3¼ inches.

KB K0281T.....Each \$1.00



Stag handle.

Two blades—large spear and pen, full polished.

Nickel-silver tips, shield and lining.

Length—3 inches.

KB K02237.....Each \$1.00



Stag handle.

Two blades—large clip and pen, full polished.

Nickel-silver bolsters, shield and lining.

Length—3¼ inches.

KB K03706.....Each \$1.00



Stag handle.

Two blades—large spear and pen, full polished.

Nickel-silver bolsters, shield and lining.

Length—3¼ inches.

KB K02071.....Each \$1.00

One-half dozen in a carton. Weight per dozen 1¼ lbs.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER Pocket Knives

You Can Depend on These Knives for Dependable Sharp Cutting Edges!



Stag handle.
Two blades—spear and pen, full polished.
Nickel-silver tips and lining.
Length—2¾ inches.
KB K241.....Each \$1.00



Stag handle.
Two large blades—clip and spey, full polished.
Nickel-silver bolsters, shield and lining.
Length—3¼ inches.
KB K03706¼.....Each \$1.00



Stag handle.
Two blades—large spear and pen, full polished.
Nickel-silver bolsters, shield and lining.
Length—2¾ inches.
KB K0207R.....Each \$1.00



Stag handle.
Two blades—large spear and pen, full polished.
Nickel-silver bolsters, shield and lining.
Length—3¾ inches.
KB K0198.....Each \$1.00



Stag handle.
Two blades—large spear and pen, full polished.
Nickel-silver bolster and shield. Brass lining.
Length—3¼ inches.
KB K02423.....Each \$1.00



OFFICE KNIFE
White celluloid handle, etched on one side.
Two large blades—spear and eraser point, full polished.
Nickel-silver lining.
Length—3¾ inches.
KB K02220.....Each \$1.00



OFFICE KNIFE
White celluloid handle, etched on one side.
Two large blades—spear and eraser point, full polished.
Nickel-silver lining.
Length—3¼ inches.
KB K02120.....Each \$0.95



Stag handle.
Two blades—large sheepfoot and pen, full polished.
Nickel-silver rat-tail bolsters, shield and lining.
Length—3¾ inches.
KB K04527.....Each \$0.95



Stag handle.
Two blades—large spear and pen, full polished.
Nickel-silver bolsters. Brass lining.
Length—3 inches.
KB K0797.....Each \$0.95



Stag handle.
Two blades—large sheepfoot and pen, full polished.
Nickel rat-tail bolsters and shield. Brass lining.
Length—3¾ inches.
KB K0878.....Each \$0.85



Stag handle.
Two blades—large spear and pen, full polished.
Nickel-silver tips, shield and lining.
Length—2¾ inches.
KB K0486.....Each \$0.85



Stag handle.
Two blades—large sheepfoot and pen, full polished.
Nickel-silver rat-tail bolsters. Brass lining.
Length—3¾ inches.
KB K04627.....Each \$0.85



Stag handle.
Two blades—large spear and pen, full polished.
Nickel-silver bolsters. Brass lining.
Length—3 inches.
KB K715.....Each \$0.75



Stag handle.
Two blades—large sheepfoot and pen, full polished.
Nickel-silver rat-tail bolsters. Brass lining.
Length—3 inches.
KB K0498.....Each \$0.75



Stag handle.
Two blades—large spear and pen, full polished.
Nickel-silver bolsters. Brass lining.
Length—2¾ inches.
KB K712.....Each \$0.75

One-half dozen in a carton. Weight per dozen 1¼ lbs.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER Pocket Knives

Have Proven Themselves Throughout the Years!



Stag handle.
Two blades—large clip and pen, full polished.
Nickel-silver bolsters, shield and lining.
Length—3½ inches.
KB K03311Each \$1.25



Stag handle.
Two blades—large clip and pen, full polished.
Nickel-silver bolsters, shield and lining.
Length—3¼ inches.
KB K02437¾Each \$1.25



Stag handle.
Two blades—large clip and small spey, full polished.
Nickel-silver bolsters, shield and lining.
Length—3¾ inches.
KB K0198¾Each \$1.00



Stag handle.
Two blades—large clip and small clip shape pen, full polished.
Nickel-silver bolsters and shield. Brass lining.
Length—3¼ inches.
KB K716Each \$0.95



Stag handle.
Two large blades—clip and spey, full polished.
Nickel-silver bolsters, shield and lining.
Length—3¾ inches.
KB K03433Each \$1.50



Stag handle.
Three blades—large spear, pen and nail file, full polished.
Nickel-silver bolsters and shield. Brass lining.
Length—3 inches.
KB K3307REach \$1.50



Stag handle.
Three blades—large spear, pen and nail file, full polished.
Nickel-silver tips, shield and lining.
Length—3 inches.
KB K341Each \$1.50



Stag handle.
Four blades—large clip, large spey, large spey and pen, full polished.
Nickel-silver bolsters, shield and lining.
Length—3¾ inches.
KB K4428Each \$2.00



Stag handle.
Four blades—two large sheepfoot or tobacco and two pen. One large blade half polished, other blades glazed finish.
Nickel-silver rat-tail bolsters and shield. Brass lining.
Length—3¾ inches.
KB K4398Each \$1.75



Stag handle.
Four blades—2 large sheepfoot and 2 pen, full polished.
Nickel-silver rat-tail bolsters, shield and lining.
Length—3¾ inches.
KB K4577Each \$1.65



Stag handle.
Four blades—large sheepfoot, 2 pen and nail file, full polished.
Nickel-silver rat-tail bolsters, shield, and lining.
Length—3¾ inches.
KB K4527Each \$1.50



Stag handle.
Four blades—large spear, 2 pen and nail file, full polished.
Nickel-silver tips, shield and lining.
Length—3 inches.
KB K441Each \$1.50

One-half dozen in a carton. Weight per dozen 1½ lbs.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER HAMMER FORGED POCKET KNIVES

The Beveled Blades Assure Perfect Sharpening

"Hammer Forged" means extra strength and edge-holding quality—for which these knives are justly famous. Hammered from single bars of high-grade crucible cutlery steel, then shaped and tempered. The lower portion of the blade is then hand ground, under water, to a keen cutting edge.



White celluloid handle, etched "Keen Kutter Kettle Knife" on one side and steer's head on the other.

Three blades—large clip, spey and patented leather punch. The new type belt punch in this knife is grooved similar to an auger bit and bores a hole in leather with ease and uniformity.

Nickel-silver bolsters and lining. Length—3 $\frac{3}{8}$ inches.

KB K78465 Each \$1.50



Stag handle.

Three blades—large clip, spey and pen. Nickel-silver bolsters and shield. Brass lining.

Length—3 $\frac{3}{8}$ inches.

KB K3935 Each \$1.50



White Nu-pearl celluloid handle.

Three blades—large clip, spey and patented leather punch.

The new type belt punch is grooved similar to an auger bit and bores a hole in leather with ease and uniformity.

Nickel-silver bolsters, shield and lining. Length—3 $\frac{3}{8}$ inches.

KB K73925C Each \$1.50



White celluloid handle, etched "Keen Kutter Kettle Knife" on one side and steer's head on the other.

Three blades—large clip, spey and pen. Nickel-silver bolsters and lining.

Length—3 $\frac{3}{8}$ inches.

KB K8465 Each \$1.50



Stag handle.

Three blades—large spear, spey and patented leather punch. The new type belt punch in this knife is grooved similar to an auger bit and bores a hole in leather with extreme ease and uniformity.

Nickel-silver bolsters, shield and lining.

Length—3 $\frac{3}{8}$ inches.

KB K73905 Each \$1.50



White Nu-pearl celluloid handle.

Two blades—large clip and pen.

Nickel-silver bolsters, shield and lining.

Length—3 $\frac{3}{8}$ inches.

KB K2825C Each \$1.00



Stag handle.

Three large blades—clip, sheepfoot and spey.

Nickel-silver bolsters, shield and lining.

Length—3 $\frac{3}{8}$ inches.

KB K3925 Each \$1.50



Stag handle.

Three blades—large clip, spey and patented leather punch.

Nickel-silver bolsters, shield and lining.

Length—3 $\frac{3}{8}$ inches.

KB K73925 Each \$1.50



Stag handle.

Two blades—large clip and pen.

Nickel-silver bolsters, shield and lining.

Length—3 $\frac{3}{8}$ inches.

KB K2825 Each \$1.00



White celluloid-pearl handle.

One blade—large saber clip.

Nickel-silver bolster and long cap. Brass lining.

Length—5 inches.

KB K1998 $\frac{3}{4}$ Each \$1.00

One-half dozen in a carton. Weight per dozen 3 lbs.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER Pocket Knives with Punch Blade

Useful! Sturdy! Keen Cutting Knives



Stag handle.
Three blades—large clip, spey and patented leather punch, full polished.
Nickel-silver bolsters, shield and lining.
Length—3 $\frac{3}{8}$ inches.
KB K73433 $\frac{1}{4}$ Each \$1.50



Stag handle.
Three blades—large clip, spey and patented leather punch, full polished.
Nickel silver bolsters, shield and lining.
Length—3 $\frac{1}{2}$ inches.
KB K73733 Each \$1.50



Stag handle.
Three blades—large clip, spey and patented leather punch, full polished.
Nickel-silver bolsters, shield and lining.
Length—3 $\frac{3}{8}$ inches.
KB K73553 $\frac{3}{4}$ Each \$1.25



Stag handle.
Three blades—large clip, spey and patented leather punch, full polished.
Nickel-silver bolsters, shield and lining.
Length—3 $\frac{3}{8}$ inches.
KB K73828 Each \$1.50



Green pearl celluloid handle.
Three blades—large spear, spey and new type spiral belt punch, full polished.
The new type belt punch in this knife is grooved similar to an auger bit and bores a hole in leather with ease and uniformity.
Nickel-silver bolsters, shield and lining.
Length—3 $\frac{3}{8}$ inches.
KB K73848C Each \$1.40



Stag handle.
Three blades—large clip, spey and patented leather punch, full polished.
Nickel-silver bolsters, shield and lining.
Length—3 $\frac{3}{8}$ inches.
KB K5368 Each \$1.00



Stag handle.
Three blades—large clip, large spey and patented leather punch, full polished.
Nickel-silver bolsters, shield and lining.
Length—3 $\frac{3}{8}$ inches.
KB K738 $\frac{3}{4}$ Each \$1.50



Stag handle.
Three blades—large spear, spey and patented leather punch, full polished.
Nickel-silver bolsters, shield and lining.
Length—3 $\frac{1}{2}$ inches.
KB K73848 $\frac{1}{4}$ Each \$1.40



Stag handle.
Three blades—large clip, spey and patented leather punch, full polished.
Nickel-silver bolsters, shield and lining.
Length—3 $\frac{1}{4}$ inches.
KB K3059 Each \$1.00



White celluloid handle, etched "Keen Kutter Kattle Knife" on one side with steer's head on the other.
Three blades—clip, spey and patented leather punch, full polished.
Nickel-silver bolsters and lining.
Length—3 $\frac{3}{8}$ inches.
KB K73477 $\frac{3}{4}$ Each \$1.50



Stag handle.
Three blades—large clip, spey and patented leather punch, full polished.
Nickel-silver bolsters and shield.
Nickel lining.
Length—3 $\frac{1}{4}$ inches.
KB K73706 $\frac{1}{4}$ Each \$1.25



Stag handle.
Three blades—large clip, spey and patented leather punch, full polished.
Nickel-silver bolsters, shield and lining.
Length—3 $\frac{1}{4}$ inches.
KB K3289 Each \$1.00

One-half dozen in a carton. Weight per dozen 2 $\frac{1}{2}$ lbs.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER Pocket Knives

Made of Only the Finest Materials, by Expert Craftsmen!



Genuine stag handle.
Three large blades—clip, sheepfoot and spey, full polished.
 Nickel-silver bolsters, shield and lining. Full milled back.
 Length—3 $\frac{3}{4}$ inches.
KB K32589.....Each \$1.75



Genuine stag handle.
Three large blades—clip, spey and sheepfoot, full polished.
 Nickel-silver bolsters, shield and lining. Milled back.
 Length—3 $\frac{1}{2}$ inches.
KB K34889.....Each \$1.50



Stag handle.
Three large blades—clip, sheepfoot and spey, full polished.
 Nickel-silver bolsters, shield and lining. Milled back.
 Length—3 $\frac{3}{4}$ inches.
KB K3433.....Each \$1.40



Stag handle.
Three blades—large clip, large sheepfoot and pen, full polished.
 Nickel-silver bolsters, shield and lining. Full milled back.
 Length—3 $\frac{3}{4}$ inches.
KB K33589.....Each \$1.75



Black celluloid handle.
Three large blades—clip, sheepfoot and spey, full polished.
 Nickel-silver bolsters, shield and lining.
 Length—3 $\frac{3}{4}$ inches.
KB K3825.....Each \$1.40



Stag handle.
Three large blades—clip, sheepfoot and spey, full polished.
 Nickel-silver bolsters, shield and lining.
 Length—3 $\frac{3}{4}$ inches.
KB K3828.....Each \$1.40



Pearl celluloid handle.
Three large blades—clip, sheepfoot and spey, full polished.
 Nickel-silver bolsters, shield and lining.
 Length—4 inches.
KB K3825H.....Each \$1.50



White iridescent celluloid-pearl handle.
Three large blades—large clip, spey and sheepfoot, full polished.
 Nickel-silver bolsters, shield and lining.
 Length—3 $\frac{3}{4}$ inches.
KB K5434.....Each \$1.40



Stag handle.
Three blades—large clip, spey and pen, full polished.
 Nickel-silver bolsters, shield and lining. Milled back.
 Length—3 $\frac{3}{4}$ inches.
KB K3433 $\frac{1}{4}$Each \$1.40



Red and amber sea pearl celluloid handle.
Three blades—large clip, large spey and patented leather punch, full polished.
 Nickel-silver bolsters, shield and lining.
 Length—4 inches.
KB K73435 $\frac{1}{4}$Each \$1.50



White celluloid-pearl handle.
Three large blades—clip, spey and sheepfoot, full polished.
 Nickel-silver bolsters, shield and lining. Milled back.
 Length—3 $\frac{3}{4}$ inches.
KB K5496.....Each \$1.40



Stag handle.
Three large blades—clip, sheepfoot and spey, full polished.
 Nickel-silver bolsters, shield and lining.
 Length—3 $\frac{3}{4}$ inches.
KB K5369.....Each \$1.00

One-half dozen in a carton. Weight per dozen 3 lbs.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER Pocket Knives

Known for High Quality and Long Life



White celluloid handle, etched "Keen Kutter Kettle Knife" on one side and steer's head on the other.
 Three large blades—spear, sheepfoot and spey, full polished.
 Nickel-silver bolsters and lining.
 Length—3 $\frac{3}{4}$ inches.
 KB K8464 $\frac{1}{4}$ Each \$1.50



Stag handle.
 Three large blades—spear, clip and spey, full polished.
 Nickel-silver bolsters, shield and lining.
 Length—3 $\frac{3}{4}$ inches.
 KB K3553 Each \$1.25



Stag handle.
 Three large blades—clip, spear and spey, full polished.
 Nickel-silver bolsters, shield and lining.
 Length—3 $\frac{3}{4}$ inches.
 KB K3733 Each \$1.00



Stag handle.
 Three blades—large clip, sheepfoot and spey, full polished.
 Nickel-silver bolsters, shield and lining.
 Length—3 $\frac{3}{4}$ inches.
 KB K7433 Each \$1.50



White celluloid-pearl handle.
 Three large blades—slender clip, spear and spey, full polished.
 Nickel-silver bolsters and lining.
 Length—3 $\frac{3}{4}$ inches.
 KB K3735 Each \$1.25



Blue colored celluloid handle.
 Three large blades—clip, spear and spey, full polished.
 Nickel-silver bolsters, shield and lining.
 Length—3 $\frac{3}{4}$ inches.
 KB K3732 Each \$1.00



White celluloid-pearl handle with red KEEN KUTTER trade mark.
 Three large blades—clip, sheepfoot and spey, full polished.
 Nickel-silver bolsters and lining.
 Length—3 $\frac{3}{4}$ inches.
 KB K3217 $\frac{3}{4}$ Each \$1.50



Buffalo horn celluloid handle.
 Three large blades—clip, sheepfoot and spey, full polished.
 Nickel-silver bolsters, shield and lining.
 Length—3 $\frac{3}{4}$ inches.
 KB K3815 Each \$1.25



Stag handle.
 Three blades—large clip, spey and pen, full polished.
 Nickel-silver bolsters, shield and lining.
 Milled back.
 Length—3 $\frac{3}{4}$ inches.
 KB K3071 $\frac{1}{4}$ Each \$1.25



Stag handle.
 Three blades—large spear, spey and pen, full polished.
 Nickel-silver bolsters, shield and lining.
 Length—3 $\frac{3}{4}$ inches.
 KB K3153 Each \$1.00



Stag handle.
 Three large blades—clip, sheepfoot and spey, full polished.
 Nickel-silver bolsters, shield and lining.
 Length—3 $\frac{3}{4}$ inches.
 KB K3813 Each \$1.25



Stag handle.
 Three blades—large clip, spey and pen, full polished.
 Nickel-silver bolsters, shield and lining.
 Length—3 $\frac{3}{4}$ inches.
 KB K3706 $\frac{1}{4}$ Each \$1.25

One-half dozen in a carton. Weight per dozen 2 $\frac{1}{2}$ lbs.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER Pocket Knives



Black celluloid handle.
Three blades—large clip, small clip and pen. Large clip blade full polished.
Nickel-silver bolsters, shield and lining.
Length—3 $\frac{3}{8}$ inches.
KB K3310 Each \$1.50



Stag handle.
Three blades—large clip, small clip and pen, full polished.
Nickel-silver bolsters, shield and lining.
Length—3 $\frac{3}{8}$ inches.
KB K3316 Each \$1.50



Gold celluloid handle.
Three blades—large clip, sheepfoot and pen, full polished.
Nickel-silver bolsters, shield and lining.
Length—3 $\frac{3}{8}$ inches.
KB K3215 $\frac{3}{4}$ G Each \$1.25



Stag handle.
Three blades—large clip, sheepfoot and pen, full polished.
Nickel-silver bolsters, shield and lining.
Length—3 $\frac{3}{8}$ inches.
KB K3218 $\frac{3}{4}$ Each \$1.25



Red and green celluloid handle.
Three blades—spear, pen and file, full polished.
Nickel-silver bolsters, shield and lining.
Length—3 $\frac{3}{8}$ inches.
KB K3070FL Each \$1.25



Green and black brilliant finish celluloid handle.
Three blades—large clip, spey and pen, full polished.
Nickel-silver bolsters, shield and lining.
Length—3 $\frac{3}{4}$ inches.
KB K7530J Each \$1.25



Stag handle.
Three blades—large clip, spey and pen, full polished.
Nickel-silver bolsters, shield and lining.
Length—3 inches.
KB K3810 Each \$1.00



Stag handle.
Three blades—large clip, spey and pen, full polished.
Nickel-silver bolsters, shield and lining.
Length—3 $\frac{3}{4}$ inches.
KB K3287 Each \$1.00



Chromium-plated blades
Protected against stain or rust
White celluloid-pearl handle.
Three blades—large clip, sheepfoot and spey.
Nickel-silver bolsters, shield and lining.
Milled back.
Length—3 $\frac{3}{8}$ inches.
KB K3060—Weight per dozen
1 $\frac{1}{2}$ lbs. Each \$1.00

One-half dozen in a carton, complete with an attractive easel display card.



Stag handle.
Three blades—large clip, spey and pen, full polished.
Nickel-silver bolsters, shield and lining.
Length—3 $\frac{3}{8}$ inches.
KB K3250 Each \$1.00

One-half dozen in a carton.



Stag handle.
Three blades—large clip, spey and pen, full polished.
Nickel-silver bolsters, shield and lining.
Length—3 $\frac{3}{8}$ inches.
KB K3058 Each \$1.00



TEXAS JACK
A large, substantially constructed knife, ideal for heavy work around farms, factories and ranches.
Stag handle.
Two large blades—spear and clip, full polished.
Nickel-silver bolsters and shield. Brass lining.
Length—4 inches.
KB K187 Each \$1.25

One-half dozen in a carton. Weight per dozen 2 $\frac{1}{2}$ lbs.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER Pocket Knives

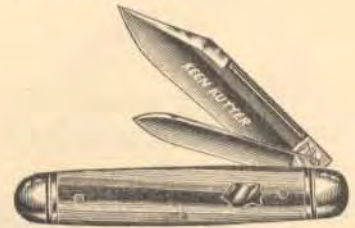
Sturdy Every Day Knives—Ready for Use When You Need Them!



White bone handle.
Two blades—large spear and pen, full polished.
Nickel-silver bolster, cap and shield.
Brass lining.
Length—4½ inches.
KB K3437.....Each \$1.25



Stag handle.
Two blades—large clip and pen, full polished.
Nickel-silver bolster, cap and shield.
Brass lining.
Length—4¾ inches.
KB K2683¾.....Each \$1.00



Brown and white celluloid handle.
Two blades—large saber clip and pen, full polished.
Nickel-silver bolster, cap and shield.
Brass lining.
Length—3¾ inches.
KB K68¾.....Each \$1.00



Stag handle.
Two large blades—saber clip and spey, full polished.
Nickel-silver bolster, cap, shield and lining.
Length—3¾ inches.
KB K2048¼.....Each \$1.25



Stag handle.
Two blades—large spear and pen, full polished.
Nickel-silver bolster, cap and shield.
Brass lining.
Length—4¾ inches.
KB K2437.....Each \$1.00



Stag handle.
Two blades—large spear and pen, full polished.
Nickel-silver bolster, cap and shield.
Brass lining.
Length—3¾ inches.
KB K88.....Each \$1.00



Stag handle.
Two blades—large saber clip and pen, full polished.
Nickel-silver bolster, cap, shield and lining.
Length—3¾ inches.
KB K2048¾.....Each \$1.00



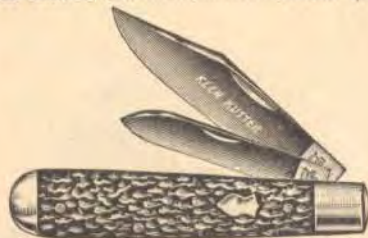
Stag handle.
Two blades—large spear and pen, full polished.
Nickel-silver fancy bolster, cap and shield. Brass lining.
Length—3¾ inches.
KB K2203.....Each \$1.00



Imitation horn celluloid handle.
Two blades—large spear and pen, full polished.
Nickel-silver bolsters and shield. Brass lining.
Length—3¾ inches.
KB K2423C.....Each \$0.85



Stag handle.
Two blades—large spear and pen, full polished.
Nickel-silver bolster, cap and shield.
Brass lining.
Length—4¾ inches.
KB K2683.....Each \$1.00



Stag handle.
Two blades—large clip and pen, full polished.
Nickel-silver bolster, cap and shield.
Brass lining.
Length—3¾ inches.
KB K2623¾.....Each \$1.00



Stag handle.
Two blades—large spear and pen, full polished.
Nickel-silver bolsters and shield. Brass lining.
Length—3¾ inches.
KB K2423S.....Each \$0.75

One-half dozen in a carton. Weight per dozen 3 lbs.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER Pocket Knives

Quality Knives for Every Pocket, Popularly Priced



EASY OPENER

Stag handle.
Two blades—large spear and pen, full polished.
Nickel-silver bolster, cap and shield.
Brass lining.
Length—3 $\frac{3}{4}$ inches.
KB K98S Each \$0.75



Stag handle.
Two blades—large spear and pen, full polished.
Nickel-silver bolster, cap and shield.
Brass lining.
Length—3 inches.
KB K2413S Each \$0.75



Celluloid-pearl handle.
Two blades—large spear and pen, full polished.
Nickel-silver bolster, cap and shield.
Brass lining.
Length—3 inches.
KB K2413C Each \$0.75



Stag handle.
Two blades—large spear and pen, full polished.
Nickel-silver fancy bolster and cap.
Brass lining.
Length—2 $\frac{3}{4}$ inches.
KB K713S Each \$0.75



Celluloid handle.
Two blades—large spear and pen, full polished.
Nickel-silver fancy bolster and cap.
Brass lining.
Length—2 $\frac{3}{4}$ inches.
KB K713C Each \$0.75



Mottled pearl and black celluloid handle.
Two blades—large spear and pen, full polished.
Nickel-silver bolster, cap and shield.
Brass lining.
Length—3 inches.
KB K2723C Each \$0.75



Stag handle.
Two blades—large spear and pen, full polished.
Nickel-silver bolster, cap and shield.
Brass lining.
Length—3 inches.
KB K2723 Each \$0.75



White celluloid-pearl handle.
Two blades—large saber clip and pen, full polished.
Nickel-silver fancy bolster, cap and shield.
Brass lining.
Length—2 $\frac{3}{4}$ inches.
KB K733 $\frac{3}{4}$ C Each \$0.75



Stag handle.
Two blades—large saber clip and pen, full polished.
Nickel-silver bolster, cap and shield.
Brass lining.
Length—2 $\frac{3}{4}$ inches.
KB K733 $\frac{3}{4}$ S Each \$0.75



White celluloid-pearl handle.
Two blades—large clip and pen, full polished.
Nickel-silver bolster, cap, and shield.
Brass lining.
Length—3 $\frac{3}{4}$ inches.
KB K216C Each \$0.75

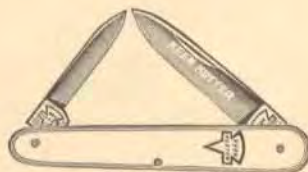


Stag handle.
Two blades—large clip and pen, full polished.
Nickel-silver bolster, cap, and shield.
Brass lining.
Length—3 $\frac{3}{4}$ inches.
KB K216 Each \$0.75



PHYSICIANS' PATTERN

Stag handle.
Two blades—large spear and pen, full polished.
Nickel-silver bolster, cap and shield.
Brass lining.
Length—2 $\frac{3}{4}$ inches.
KB K195 Each \$0.75



White celluloid handle with embossed KEEN KUTTER trade mark in red.
Two blades—large spear and pen, full polished.
Brass lining.
Length—3 inches.
KB K717 Each \$0.50

One-half dozen in a carton. Weight per dozen 2 lbs.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER Pocket Knives

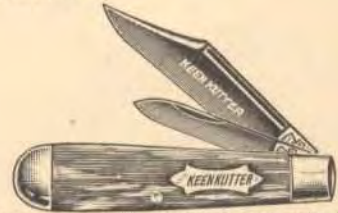
Outstanding Values to Give Perfect Satisfaction



Stag handle.
Two blades—large spear and pen, full polished.
Nickel-silver bolster, cap and shield.
Brass lining.
Length—3 $\frac{3}{4}$ inches.
KB K7727 Each \$0.65



Stag handle.
Two blades—large spear and pen, full polished.
Nickel-silver bolster, cap and shield.
Brass lining.
Length—3 $\frac{3}{4}$ inches.
KB K53 Each \$0.50



Gray and white grained celluloid handle.
Two blades—large clip and pen, full polished.
Nickel-silver bolster, cap and shield.
Brass lining.
Length—3 $\frac{3}{4}$ inches.
KB K50 $\frac{3}{4}$ Each \$0.50



Black celluloid handle.
Two blades—large clip and new type patented leather punch, full polished.
New type belt punch is grooved similar to an auger bit and bores holes in leather with ease and uniformity.
Nickel-silver bolster, cap and shield.
Brass lining.
Length—3 $\frac{3}{4}$ inches.
KB K750 $\frac{3}{4}$ Each \$0.65



Stag handle.
Two blades—large clip and pen, full polished.
Nickel-silver bolster, cap and shield.
Brass lining.
Length—3 $\frac{3}{4}$ inches.
KB K53 $\frac{3}{4}$ Each \$0.50



White celluloid handle.
Two blades—large clip and pen, full polished.
Polished steel bolster and lining.
Length—3 $\frac{1}{4}$ inches.
KB K2884 $\frac{3}{4}$ Each \$0.50



Embossed iron handle, black enameled.
Two blades—large spey and pen, glazed finish.
Steel bolster.
Length—3 $\frac{3}{4}$ inches.
KB K2787 Each \$0.65



Stag handle.
Two blades—large spear and pen, full polished.
Nickel-silver bolster, cap and shield.
Brass lining.
Length—3 inches.
KB K7WCS Each \$0.50



BARLOW PATTERN
Brown bone handle.
Two blades—large razor and pen, full polished.
Polished steel bolster and lining.
Length—3 $\frac{3}{4}$ inches.
KB K2881 $\frac{1}{2}$ Each \$0.50



EASY OPENER
White celluloid-pearl handle.
Two blades—large spear and pen, full polished.
Nickel-silver bolster, cap and shield.
Brass lining.
Length—3 $\frac{3}{4}$ inches.
KB K98C Each \$0.50



Colored celluloid handle.
Two blades—large spear and pen, full polished.
Nickel-silver bolster, cap and shield.
Brass lining.
Length—3 inches.
KB K7WCC Each \$0.50



KB K2881 BARLOW PATTERN
Bone handle.
Two blades—large blade and pen, full polished.
Polished steel bolster. Steel lining.
Length—3 $\frac{3}{4}$ inches.
KB K2881—Spear point large blade Each \$0.50
KB K2881 $\frac{1}{4}$ —Spey point large blade Each .50
KB K2881 $\frac{3}{4}$ —Clip point large blade Each .50

One-half dozen in a carton. Weight per dozen 2 lbs.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER Pocket Knives

Quality Knives for All Purposes



White celluloid handle with **KEEN KUTTER** trade mark embossed and filled in red.

Two blades—large blade and pen, full polished.

Nickel-silver bolster. Brass lining. Length—3 inches.

KB K45 3/4—Clip point large blade Each \$0.39

KB K45—Spear point large blade Each .39

Weight per dozen 1 lb.



White celluloid handle with **KEEN KUTTER** embossed and filled in red.

One blade—large clip, full polished.

Nickel-silver bolster. Brass lining. Length—3 inches.

KB K35C Each \$0.25



Embossed iron handle, black enameled. One blade—large spey, glazed finish. Steel bolster.

Length—3 1/2 inches.

KB K1787 Each \$0.45



BUDDING OR GRAFTING

Stag handle.

One large blade, glazed finish.

Steel bolster. Brass lining.

Length—3 3/4 inches.

KB K1108 1/4 Each \$0.40



SCOUT KNIFE

Sturdy Knife for Every Boy.

Stag handle.

Four blades—large spear, can opener, combination screw driver and bottle opener and patented leather punch, full polished.

Nickel-silver bolsters, shield and shackle. Brass lining.

Length—3 5/8 inches.

KB K6558—Weight per dozen 3 1/2 lbs. Each \$1.00



PRUNING KNIFE

Heavy cocobolo handle.

One large blade. Glazed finish.

Polished steel bolster. Steel lining. Hole in end of handle to insert wire or cord, and attach to belt.

Length—3 3/4 inches.

KB K140 Each \$0.75



Stag handle.

One blade—large saber clip, full polished.

Nickel-silver bolster and cap. Brass lining.

Length—5 inches.

KB K1898 3/4 Each \$0.95

Weight per dozen 3 lbs.



BARLOW PATTERN

Long, Sturdy Single Utility Blade Knife

Bone handle.

One blade—large clip, full polished.

Polished steel bolster. Steel lining. Name **KEEN KUTTER** stamped on bolster.

Length—5 inches.

KB K1771 3/4—Weight per dozen 3 1/2 lbs. Each \$1.00



Red and black brilliant finish celluloid handle.

One blade—large clip, full polished.

Nickel-silver bolster, cap and shield. Brass lining.

Length—4 3/8 inches.

KB K1695 3/4 K Each \$0.95



ELECTRICIAN'S KNIFE

This knife is ideal for the electrician in an emergency as it contains good, strong, useful blades. The screw driver blade automatically locks in position when open, preventing accidental closing.

Cocobolo handle.

Two blades—large spear, and combination screw driver and wire scraper.

Nickel-silver bolster, shield and shackle. Brass lining and center lock.

Length—3 3/4 inches.

KB K3407 Each \$1.50



White celluloid-pearl handle.

One blade—large saber clip, full polished.

Nickel-silver bolster and cap. Brass lining.

Length—4 inches.

KB K5424 Each \$0.75

One-half dozen in a carton. Weight per dozen 3 lbs.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SIMMONS Pocket Knives

• Economical because you buy fine quality at a lower price. Each knife is designed by expert craftsmen to be easy to handle, quick and clean cutting. Blades are easy to open and close.

• High-grade steel blades strong and sharp, made for lasting service—ready for use. Uniformly tempered, then sharpened and whetted on an oil stone by hand.



With Individual Gift Purses and Boxes

Genuine pearl handle. Two blades—large spear and pen, full polished. Nickel silver bolsters. Brass lining. Length 3 3/8 inches.

KB S368—Weight per assortment 1 1/4 lbs. Each \$1.00

Assortment of one dozen in a carton.



White pearl celluloid handle. Three blades—One large spear and two pen. Full polished. Nickel silver bolsters and shield. Brass lining.

Length 3 3/8 inches. KB S350—Weight per dozen 2 1/4 lbs. Each \$1.00



Genuine stag handle. Three blades—large clip, spey, and patented leather punch. Full polished. Nickel silver bolsters, shield and lining. Length 3 3/8 inches.

KB S357—Weight per dozen 2 lbs. Each \$1.00



Genuine stag handle. Three blades—large clip, spey, and pen. Full polished. Nickel silver bolsters, shield and lining. Length 3 3/8 inches.

KB S358—Weight per dozen 2 lbs. Each \$1.00

One-half dozen in a carton.



Stag handle. Four blades—two large tobacco and two pens. Full polished. Nickel silver rat-tail bolsters and shield. Brass lining. Length 4 inches.

KB S342—Weight per dozen 2 1/2 lbs. Each \$1.00



SCOUT

White pearl celluloid handle. Imprinted with the Scout Code and two images of scouts showing method of flag signaling.

Four blades—large spear, new type belt punch blade, can opener, and combination screwdriver and bottle decapper. Full polished.

Nickel silver bolsters. Brass shield and lining. Steel shackle. Length 3 3/8 inches.

KB S495—Weight per dozen 2 1/2 lbs. Each \$0.75



Stag handle. Two blades—large sheepfoot and pen. Full polished.

Nickel silver rat-tail bolsters. Brass lining. Length 3 inches.

KB S227—Weight per dozen 2 lbs. Each \$0.50



SCOUT

Stag handle. Four blades—large spear, can opener, combination screwdriver and bottle opener, and patented leather punch. All full polished.

Nickel silver bolsters, shield, lining and shackle. Length 3 3/8 inches.

KB S490—Weight per dozen 2 1/4 lbs. Each \$0.50

One-half dozen in a carton.

SIMMONS KROME-PLATE Stays Bright, Stays Sharp

High carbon steel blades and springs, chrome-plated, to make them rust and stain resistant.

Assorted colored celluloid handles.

Two blades—large spear and pen. Nickel silver tips and shield. Brass lining. Length 3 3/8 inches.



KB S352KP—Weight per assortment 1 lb. Each \$0.49
One dozen in a display carton.

Assorted stag, pearl and vari-colored celluloid handles. One blade—large saber clip, full polished. Nickel silver bolster and cap. Length 4 1/2 inches.

KB S326—Assortment. Weight per assortment 2 1/4 lbs. Each \$0.49
One dozen in a carton.



Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SIMMONS Pocket Knives

POCKET KNIVES

SIMMONS SONNY

The envy of the neighborhood group is the boy with one of these snappy knives, just like the bigger boys have.

High-grade steel blades, uniformly tempered, sharpened and whetted on an oil stone by hand.



White celluloid handles, name **SIMMONS Sonny** stamped in black.

Two blades—large spear and pen, full polished.

Steel bolsters and cap and lining.

Length 3 3/8 inches.

KB S200—Weight per dozen

1 1/4 lbs. Each \$0.25



White celluloid handles, name **SIMMONS Sonny** stamped in black.

Two blades—large clip and pen, full polished.

Steel bolster and cap and lining.

Length 3 3/8 inches.

KB S205—Weight per dozen

1 3/8 lbs. Each \$0.25



Easy opener style—Complete with 14-inch nickel-plated steel chain with button clasp.

White celluloid handles with name **SIMMONS Sonny** stamped in black.

Two blades—large spear and pen, full polished.

Steel bolster and cap and lining.

Length 3 3/8 inches.

KY S204—Weight per dozen

1 3/8 lbs. Each \$0.25

LACLEDE

- American made knives, nicely finished.
- Blades are good grade steel, hardened and tempered.



CATTLE

Assorted stag and fancy celluloid handles.

Three blades—large clip, spey and patented leather punch, full polished.

Nickel silver bolsters and shield. Brass lining.

Length 3 1/4 inches.

KB L802 Each \$0.49



SERPENTINE

Assorted stag and fancy celluloid handles.

Three blades—large clip, spey and pen, full polished.

Nickel silver bolsters and shield. Brass lining.

Length 3 3/8 inches.

KB L804 Each \$0.49



SERPENTINE

Assorted stag and fancy celluloid handles.

Three blades—large clip, spey and leather punch.

Nickel silver bolster and shield. Brass lining.

Length 3 3/8 inches.

KB L803 Each \$0.49



EQUAL END JACK

Assorted stag and fancy celluloid handles.

Two blades—large spear and pen, full polished.

Nickel silver tips and shield. Brass lining.

Length 3 3/4 inches.

KB L801 Each \$0.25

Weight per assortment 2 lbs.

Assortment of one dozen in a counter display box.



Assorted stag and colored handles.

Two blades—six with large spear and pen, and six with large clip and pen.

Nickel silver tips and shield. Brass lining.

Length 3 3/8 inches.

KB L808—Weight per dozen

1 1/4 lbs. Each \$0.25

POCKET KNIFE AND WHISTLE SET



Oh, boy! Watch his eyes shine when he gets this pocket knife set with its loud whistle and chain.

Knife—White celluloid handle. One spear point blade. Steel lining and tips.

Length—3 inches.

Whistle—Mottled brown bakelite with wood ball. Nickel-plated ring.

Chain—14 inches long with snap and button clasp.

KB WS—Weight per dozen

1 1/4 lbs. Per Set \$0.25

One set in a box. One dozen in a carton.

BOYS' CHAIN KNIVES

HANDY KNIFE WITH CHAIN



Complete with nickel-plated steel chain with button clasp. Black and white celluloid handle.

One blade—large spear. Steel lining.

Length 2 1/2 inches.

KB 73—Weight per dozen

3/4 lb. Each \$0.10

One on a card; one dozen cards in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

IMPERIAL POCKET KNIVES

IMPERIAL



Handles—Four stag and eight white celluloid pearl.
Four blades—two sheepfoot and two pens, all full polished.
Nickel silver rat-tail bolsters. Brass lining.
Length 3 $\frac{3}{8}$ inches.
KB XX1076—Weight per assortment 2 $\frac{1}{4}$ lbs. Each \$0.98

One dozen in a bronze finish compartment box.



White celluloid pearl handles.
One blade—large clip full polished.
Nickel silver bolster and caps. Brass lining.
Assorted lengths 3 $\frac{3}{8}$ and 5 inches.
KB 50N—Weight per assortment 2 lbs. Each \$0.49

Assortment of one dozen in a bronze finish compartment box.

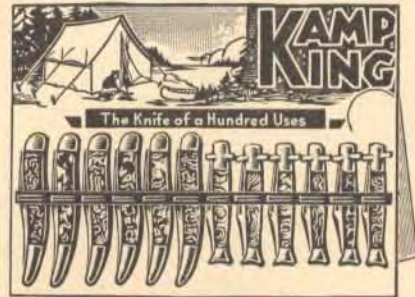


Large Variety of Popular Jack Knives

Well made of good materials, nicely finished.
Assorted colored celluloid and celluloid pearl handles.
Two blades—clip and pen, and spear and pen. High-grade tempered steel, full mirror-polished.
Nickel silver tips and shield. Brass lining.
Length 3, 3 $\frac{3}{8}$ and 3 $\frac{5}{8}$ inches.
KB 1200—Weight per assortment 2 $\frac{1}{2}$ lbs. Each \$0.49

Two dozen in a partitioned display box.

IMPERIAL



"KAMP-KING"

Assorted mottled celluloid handles.
One blade—large polished clip.
Steel bolster, cap and lining.
Assorted lengths 3 $\frac{3}{8}$ inches (with guard) and 5 inches (without guard).
KB 25N—Weight per assortment 2 lbs. Each \$0.25

Assortment of one dozen on an attractive easel counter card.



"THE TOPSY"

Knives small enough to fit into your vest pocket, yet big enough for real service.
Assorted mottled colored celluloid handles. Assortment consists of four each of the following knives:
Two blades—large clip and pen. Nickel silver tips and shackle. **Brass lining.** Length 2 $\frac{1}{4}$ inches.

Two blades (easy opener type)—large spear and pen. Nickel silver tips and shackle. **Brass lining.** Length 2 inches.
One blade—saber clip. Nickel silver bolster and cap. **Brass lining.** Length 2 $\frac{1}{2}$ inches.

KB 21—Weight per assortment $\frac{3}{4}$ lb. Each \$0.25

One assortment on an easel counter card in a carton.



BARLOW "TUFF STEEL"

Assorted color celluloid handles, red, black or white.
Two blades—large clip and pen, full polished.
Steel lining and long steel bolster. Semi-cleaned insides.
Length 3 $\frac{3}{8}$ inches.
KB 435—Weight per dozen 1 $\frac{1}{2}$ lbs. Each \$0.25

One dozen in a partitioned display box.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

PRESS BUTTON KNIVES

PRESTO—PRESS BUTTON

Easier, Safer to Open!

Just press the button and the blade pops open. A safety locking device keeps the blade locked open or closed, as you wish.



HUNTING PATTERN

Imitation stag metal handle, "Flintflex" finish. One blade—large clip. High-grade steel, glazed finish. Polished steel bolster. Steel lining. Length 5 inches.

KB 700—Weight per dozen 3 lbs.....Each \$1.25

One-half dozen in a carton.



Assorted celluloid handles—bone stag, green or rose pearl.

Two blades—large spear and pen; large blade, half polished. High-grade steel.

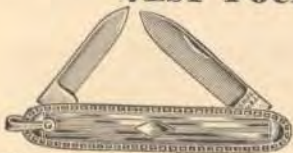
Nickel silver bolsters. Brass lining.

Length 3 3/4 inches.

KB 4142—Weight per dozen 1 1/2 lbs.....Each \$1.19

One-half dozen in a display carton.

VEST POCKET KNIVES



IMPERIAL VEST POCKET

A Handsome Chromium-Plated Knife

Thin enough to slip easily into your vest pocket. With nickel silver shackle for attaching to your watch chain.

White and yellow metal finish handle, brightly finished. Two blades, full polished.

Length 2 3/4 inches.

KB 31—With ShackleEach \$0.25

Weight per assortment 3/4 lb.

One dozen in a carton—eight with white and four with yellow handles.

Each knife in individual box.

KB 30—Without ShackleEach \$0.25

One-half dozen in a carton.

WATCH CHAIN KNIVES



Giant in Use—Small in Size

Just the thing for the end of your watch chain.

White celluloid pearl handle.

One blade, fine quality steel, nicely polished.

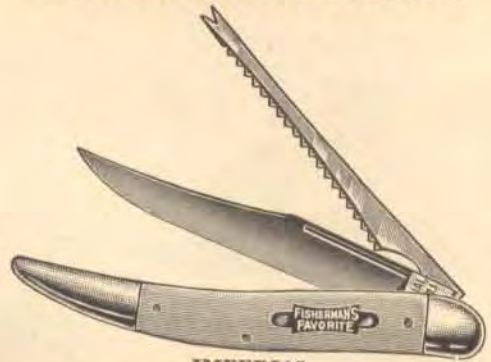
Nickel silver lining. Steel shackle. Length 1 1/4 inches.

KB 31K—Weight per dozen 1/4 lb.....Each \$0.25

One dozen on display card; one card in an envelope.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

"FISHERMAN'S FAVORITE"



IMPERIAL

An important addition to your fishing outfit that cleans fish easily and quickly.

Cream colored celluloid handle.

Two special blades—large sharp clip for cutting and cleaning; blade with scaler, disgorging and bottle decapper. Full polished.

Nickel silver shield. Steel bolster, cap and lining.

Length 5 inches.

KB M904—Weight per dozen 2 lbs.....Each \$0.69

One dozen in a carton.

MAIZE KNIVES

SIMMONS

Easy on Your Hands



Full sized sturdy maize knife that can also be used for budding or grafting. Wide blade at point assures long service, and tang is

rounded to prevent cutting or blistering fingers.

Cocobolo handle.

One Blade—large special shape, full-mirror polished.

Polished steel lining and flushed steel bolster.

Length closed 3 3/4 inches.

KB S321—Weight per dozen 2 lbs.....Each \$0.49

One-half dozen in a carton.

LUMBERMAN'S RASE KNIFE

For Marking Lumber.

Cocobolo handle.

One blade—finest quality steel, highest tempered, glazed finish.

Polished steel bolster.

Steel lining.

Length 3 3/4 inches.

KB 135R—Weight per dozen 1 1/2 lbs.....Each \$1.25

One-half dozen in a carton.

KNIFE PURSES

Protect Your Knife!

Keep your knife from rusting and from being scratched by coins, keys, etc., in your pocket.

These good-looking cases are of soft, flexible leather, silk sewed, and fastened with matching celluloid snap button.

KB 33—Brown kid leather.....Each \$0.10

KB 32—Grey suede leather.....Each .10

Specify length wanted.

Three dozen in a carton. Weight per dozen 1/4 lb.

Boy Scouts Need Good Pocket Knives

SCOUT KNIVES



KEEN KUTTER

Sturdy Knife for Every Boy.

Stag handle.

Four blades—large spear, can opener, combination screw driver and bottle opener and patented leather punch, full polished.

Nickel-silver bolsters, shield and shackle. Brass lining.

Length—3½ inches.

KB K6558—Weight per dozen
3½ lbs. Each \$1.00



SIMMONS

White pearl celluloid handle. Imprinted with the Scout Code and two images of scouts showing method of flag signaling.

Four blades—large spear, new type belt punch blade, can opener, and combination screwdriver and bottle decapper. Full polished.

Nickel silver bolsters. Brass shield and lining. Steel shackle.

Length 3¾ inches.

KB S495—Weight per dozen
2¼ lbs. Each \$0.75



SIMMONS

Stag handle.

Four blades—large spear, can opener, combination screwdriver and bottle opener, and patented leather punch. All full polished.

Nickel silver bolsters, shield, lining and shackle.

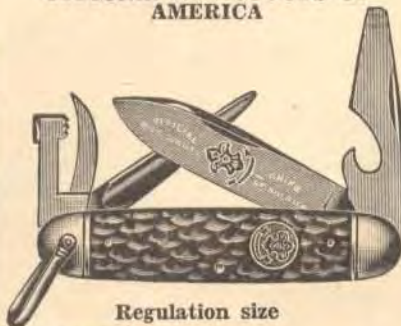
Length 3¾ inches.

KB S490—Weight per dozen
2¼ lbs. Each \$0.50

One-half dozen in a cardboard box.

OFFICIAL BOY SCOUT POCKET KNIVES

REMINGTON
OFFICIAL BOY SCOUTS OF
AMERICA



Regulation size

Stag handle.

Four blades—large spear (etched with Scout Insignia), combination bottle opener and screwdriver, can opener (all-mirror finished), and patented leather punch (blued inside, polished back).

Nickel silver bolsters, emblem shield and shackle. Brass lining. Milled center scale. Length 3¾ inches.

KB RS3333—Weight per dozen
2¼ lbs. Each \$1.50



Stag handle.

Three blades—large spear (crocus polished and etched with Scout Insignia), combination bottle opener and screwdriver, and can opener (both blue glazed).

Nickel silver bolsters, emblem shield, lining and snap-on shackle, milled center scale. Length 3½ inches.

KB RS4783—Weight per dozen
2¼ lbs. Each \$1.25

One in a gift box; one-half dozen in a cardboard box.

SHEATH KNIVES OFFICIAL BOY SCOUT



High grade, full-gauge steel blade. Laminated leather, aluminum, and fibre handle. Cast aluminum butt. Length of blade 4 inches, length over all 8 inches.

Official Boy Scout emblem etched on blade, imprinted on sheath.

KB RH51—Weight per dozen
3 lbs. Each \$1.35

One-half dozen in a carton.

SCOUT OUTFITS

KEEN KUTTER



With Axe

This compact, lightweight set equips the Boy Scout for any emergency.

Weights only 16½ ounces, complete at the belt.

Blades are of highest grade alloy cutlery steel, finely polished, with keen cutting edges. Handles are checkered black hard rubber, with full pistol grip for strong, steady strokes. The fine quality tan leather sheaths protect the blades and the wearer—so constructed and balanced that they can be carried as a unit, or separated and carried on opposite sides of the belt.

Knife—Length blade 5 inches. Heavy brass double guard. Length over all 9½ inches.

Axe—Head 3¾ inches long, 2¾ inches wide, and ¼ inch thick with heavy steel shank. Length over all 10¼ inches.

KB K225—Weight per dozen
1½ lbs. Per Set \$2.95

One set in a carton.

BOY SCOUT KNIFE SETS



REMINGTON—OFFICIAL
COMBINATION SCOUT HUNTING
KNIFE AND POCKET KNIFE

An official Boy Scouts of America gift that's "tops" with young Scouts.

Consists of:

Boy Scout knife (No. KB RS3333).

Boy Scout sheath knife (No. RH 51).

KB RS195—Weight per set
1 lb. Per Set \$2.95

Packaged in red and gilt cardboard gift boxes with hinged cover, size 9½x3½x1¾ inches. One in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

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E.C. SIMMONS
**KEEN
KUTTER**

REASONS FOR **KEEN KUTTER** Shear Supremacy

E.C. SIMMONS
**KEEN
KUTTER**

Why Discriminating Women Prefer Them

KEEN KUTTER Shears were especially designed by experts in the art of Shear Making and constructed by skilled workmen from the Finest Materials obtainable for the purpose.

Forged Steel Laid Blades—Two Kinds of Steel are used in making **KEEN KUTTER** Shears—A Tough Drop Forged Steel in back of Blades and Handles and a High Carbon Crucible Steel Cutting Edge—Welded Together.

Hardening, Tempering and Sharpening—The Blades are then accurately and uniformly Hardened and Tempered, carefully ground, Sharpened and Perfectly Adjusted.

DOUBLE FORGED
BLADES
HAVE PERFECT
CUTTING EDGES

PERFECT
ADJUSTMENT BY
EXPERT WORK-
MEN INSURES
LONGER SERVICE
WITHOUT FREQUENT
ADJUSTMENT

BLADES
SCIENTIFICALLY
GROUND
THEY CUT
CLEAN AND EASY
FROM JOINT
TO POINT

CUTTING
EDGES
PERFECTLY
TEMPERED
THE FINE EDGES
ARE THE LIFE
OF THE SHEARS

PATENTED
SCREW AND
NUT

PATENTED
SCREW AND NUT
A RIGHT AND
LEFT HAND
SCREW AND LEFT
HAND NUT PREVENT
BLADES FROM
WORKING
LOOSE

BOTH BOWS
FITTED
WILL NOT CRAMP
OR TIRE HAND

UNRESTRICTED
GUARANTEE
KEEN KUTTER
REPUTATION
MEANS SATISFACTION
EVERY PAIR
GUARANTEED

THE  MARK
OF QUALITY
ON EVERY
PAIR OF GENUINE
KEEN KUTTER
SHEARS

KEEN KUTTER SHEARS LAST A LIFE TIME

"The Recollection of **QUALITY** Remains Long After the **PRICE** is Forgotten" —E. C. SIMMONS

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

ROSE TOOLS, INC.

KEEN KUTTER

America's Finest Cutlery... Invites Your Inspection!



This attractive cutlery table is made expressly for your convenience in selecting merchandise that will best suit your cutlery requirements.

You may inspect a complete selection of **KEEN KUTTER** cutlery neatly displayed and kept dust-proof, under glass covers. Ask the salesperson to show you **KEEN KUTTER** cutlery so that you may more closely examine it and appreciate its beauty . . . construction . . . quality . . . and sharpness.

ROSE TOOLS, INC.

KEEN KUTTER SHEARS

Outstanding quality for faster, better work!
Preferred by discriminating users who know and demand the best!

STEEL LAID

Especially designed by experts and constructed by skilled workmen from highest quality materials. Double forged laid steel blades have perfect cutting edges, cut clean and easy from joint to point. Blades are uniformly tempered, carefully ground and set. Both bows fitted. Will not tire or cramp the hands. Patented screw and nut insure perfect adjustment, greater cutting ease and longer service.



U. S. Patent
No. 226,128

This patented screw and nut is used on Keen Kutter shears. It consists of a right and left hand screw, and a left hand nut. The main screw holds the blades together. The left hand threaded end of the screw extending through the shears with left hand nut attachment. Makes it impossible for the blades to work loose.

STRAIGHT TRIMMERS



Full Nickel Plated

Nos.	Each	Length, Inches	Wt. per Doz., Lbs.
KB K1/5½	\$1.00	5½	2
KB K1/6	1.10	6	2
KB K1/6½	1.19	6½	2½
KB K1/7	1.25	7	3
KB K1/7½	1.29	7½	3¾
KB K1/8	1.39	8	4
KB K1/8½	1.49	8½	4½
KB K1/9	1.75	9	5
KB K1/10	2.25	10	9

Left Hand—Full Nickel Plated—8 Inches Long

KB K22LH8—Weight per dozen 3¾ lbs.....Each \$1.75



Black Japanned Handles
Nickel-Plated Blades

Nos.	Each	Length, Inches	Wt. per Doz., Lbs.
KB K3/6	\$1.00	6	2
KB K3/6½	1.10	6½	2½
KB K3/7	1.15	7	3
KB K3/7½	1.19	7½	3¾
KB K3/8	1.25	8	4
KB K3/8½	1.29	8½	4½
KB K3/9	1.49	9	5
KB K3/10	1.75	10	9

BENT TRIMMERS



Full Nickel Plated

Nos.	Each	Length, Inches	Wt. per Doz., Lbs.
KB K2/6	\$1.25	6	2
KB K2/6½	1.29	6½	2½
KB K2/7	1.39	7	3
KB K2/7½	1.45	7½	3¾
KB K2/8	1.49	8	4
KB K2/8½	1.65	8½	4½
KB K2/9	1.98	9	5
KB K2/10	2.29	10	9



Black Japanned Handles
Nickel-Plated Blades

Nos.	Each	Length, Inches	Wt. per Doz., Lbs.
KB K4/6	\$1.10	6	2
KB K4/6½	1.15	6½	2½
KB K4/7	1.19	7	3
KB K4/7½	1.25	7½	3¾
KB K4/8	1.29	8	4
KB K4/8½	1.35	8½	4½
KB K4/9	1.59	9	5
KB K4/10	1.89	10	9
KB K4/11	2.25	11	11
KB K4/12	2.50	12	15

Each pair in an individual paper pocket. One-half dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SIMMONS SHEARS

ECONOMICAL! DEPENDABLE!

These shears are forged solid steel, properly hardened in lead, tempered in oil and carefully ground and set. Fitted bows. Steel screw and brass nut.

STRAIGHT TRIMMERS



Full Nickel Plated

Nos.	Each	Length, Inches	Wt. per Doz., Lbs.
KB S404/6	\$0.69	6	2
KB S404/7	.75	7	3
KB S404/8	.79	8	4



Black Japanned Handles
Nickel-Plated Blades

Nos.	Each	Length, Inches	Wt. per Doz., Lbs.
KB S604/6	\$0.65	6	2
KB S604/7	.69	7	3
KB S604/8	.75	8	4

BENT TRIMMERS



Full Nickel Plated

Nos.	Each	Length, Inches	Wt. per Doz., Lbs.
KB S504/6	\$0.75	6	2
KB S504/7	.79	7	3
KB S504/8	.89	8	4



Black Japanned Handles
Nickel-Plated Blades

Nos.	Each	Length, Inches	Wt. per Doz., Lbs.
KB S704/6	\$0.69	6	2
KB S704/7	.75	7	3
KB S704/8	.79	8	4

One in an individual paper pocket; one-half dozen in a carton.

SCREWS AND NUTS

FOR KEEN KUTTER SHEARS



U. S. Patent
No. 226,128
Screw and Nut

This patented screw and nut is used on KEEN KUTTER shears. It consists of a right and left hand screw, and a left hand nut. The main screw holds the blades together. The left hand threaded end of the screw extending through the shears with left hand nut attachment, makes it impossible for the blades to work loose.

For KEEN KUTTER Regular and Banker's Shears

Nos.	Each	For Shears, Inches
KB K5½B	\$0.10	5½
KB K6B	.10	6
KB K6½B	.10	6½
KB K7B	.10	7
KB K7½B	.10	7½
KB K8B	.10	8
KB K8½B	.10	8½
KB K9B	.10	9
KB K10B	.10	10
KB K12B	.10	12
KB K14B	.10	14

Average weight per dozen 1 ounce.
Packing—bulk.

KB 12A—Assortment: Consists of 12 screws and nuts, as below:

Quantities	1	2	1	3	3	2
For Shears, In.	5½	6	6½	7	7½	8

One assortment in an envelope. Weight per assortment ½ ounce.

SHEAR ASSORTMENT

24 Karat Gold-Plated
Handles

The handles of these shears are gold plated and are very attractive.

Hard cast steel, nickel-plated blades and 24 karat gold-plated bows. Plain screw.

KB 632—Weight per assortment 4 lbs.

Each \$0.49



Assortment consists of: One dozen shears assorted four each, 6, 7, and 8-inch lengths.

Entire assortment of one dozen shears mounted on brass hooks on an attractive plywood easel with red-felted background and gold and black stripes on either side.

One assortment in a carton.

AMERICA AND
DIXIE

Magnetic type. Will find your lost needles. Cast steel blades heavily nickel plated, mirror buffed with names America and Dixie etched and filled with gilt. Blue enameled handles. Fitted bows. Brass screws.

KB 124—Weight per assortment 2½ lbs.Each \$0.25

Assortment consists of: One dozen shears, length 7½ inches. Six each etched "America" and "Dixie."

Put up in a three-section tray with one of the shears is

four-color display card on which one of the shears is mounted. Complete with paper sheaths.

One assortment in a carton with one shear mounted.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER SCISSORS AND SHEARS ASSORTMENT



Discriminating women prefer **KEEN KUTTER** scissors and shears because they last longer and cut better. They are designed by experts in the art of shear making and constructed by skilled workmen from the finest materials obtainable.

SHEARS

KEEN KUTTER shears have highest grade forged steel laid blades, uniformly tempered, carefully ground and set. Fitted bows. Patented screw and nut.

SCISSORS

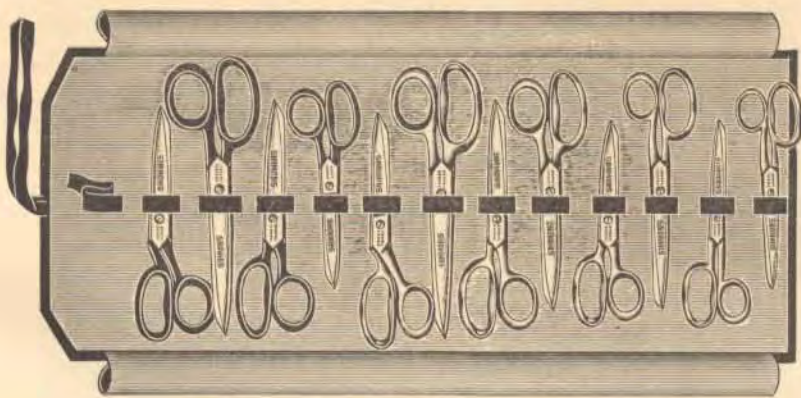
KEEN KUTTER scissors have highest grade forged steel blades, uniformly tempered, carefully ground and set. Shear bow pattern. Plain screw.

ASSORTMENT CONSISTS OF ONE DOZEN SCISSORS AND SHEARS AS BELOW:

Full Nickel Plated				Black Japanned Handles, Nickel-Plated Blades			
Doz.	Nos.	Style	Each	Doz.	Nos.	Style	Each
1/12	KB K1/6	—6-In. Straight Trimmer Shears..	\$1.10	1/12	KB K3/6	—6-In. Straight Trimmer Shears..	\$1.00
1/6	KB K1/7	—7-In. Straight Trimmer Shears..	1.25	1/12	KB K3/7	—7-In. Straight Trimmer Shears..	1.15
1/12	KB K1/8	—8-in. Straight Trimmer Shears..	1.39	1/12	KB K3/8	—8-In. Straight Trimmer Shears..	1.25
1/12	KB K2/7	—7-In. Bent Trimmer Shears.....	1.39	1/12	KB K4/7	—7-In. Bent Trimmer Shears.....	1.19
1/6	KB K64/6	—6-In. Ladies' Scissors.....	1.10				
1/12	KB K64/7	—7-In. Ladies' Scissors.....	1.25				
KB K935—Weight per assortment 3 lbs.....							Per Assortment

This representative assortment is put up in a maroon felt lined black leatherette roll 9½x22 inches, with strap and buckle fastening.

SIMMONS SCISSORS AND SHEARS ASSORTMENTS



Shears and scissors are forged from high carbon steel, properly hardened in lead, tempered in oil and carefully ground and set. Fitted bows. Shears have steel screw and brass nut. Scissors fitted with plain screw.

ASSORTMENT CONSISTS OF ONE DOZEN SCISSORS AND SHEARS AS BELOW:

Full Nickel Plated				Black Japanned Handles, Nickel-Plated Blades			
Doz.	Nos.	Style	Each	Doz.	Nos.	Style	Each
1/12	KB S404/6	—6-In. Straight Trimmer Shears..	\$0.69	1/12	KB S604/6	—6-In. Straight Trimmer Shears..	\$0.65
1/6	KB S404/7	—7-In. Straight Trimmer Shears..	.75	1/12	KB S604/7	—7-In. Straight Trimmer Shears..	.69
1/12	KB S404/8	—8-In. Straight Trimmer Shears..	.79	1/12	KB S604/8	—8-In. Straight Trimmer Shears..	.75
1/12	KB S504/7	—7-In. Bent Trimmer Shears.....	.79	1/12	KB S704/7	—7-In. Bent Trimmer Shears.....	.75
1/6	KB S804/6	—6-In. Ladies' Scissors .....	.75				
1/12	KB S804/7	—7-In. Ladies' Scissors .....	.85				
KB S4321—Weight per assortment 3 lbs.....							Per Assortment

This representative assortment is put up in an orange felt lined black leatherette roll 9½x22½ inches, with black tape tie strings.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SHEAR ASSORTMENTS

HUSKEE

Well balanced sturdy shears, keen cutting.

Heavy cast steel with hollow ground blades. Nickel plated with red japanned handles. Fitted bows. Plain screw.

KB 325—Weight per assortment 3½ lbs.

Each \$0.49

Assortment consists of: One dozen shears, four each of 6, 7 and 8-inch lengths.

Put up in three-section tray with paper sheath for each shear and an attractive display card for back of tray.

One assortment in a carton with attractive display card.



PRESTO TENSION TYPE

Special tension lever at the joint of these shears makes three different cutting tensions instantly available:

1. For cutting paper.
2. For cutting ordinary materials.
3. For cutting silk and tough materials.

Hard cast steel burnished blades with file-hard edges. Gun metal finish handle. Screw with tension lever at joint.

KB 275—Assortment of one dozen shears—assorted six each of 7 and 8-inch lengths. Weight per assortment 4¼ lbs. Each \$0.49

One assortment in an attractive display box with attractive display card. Each shear individually boxed.

VELTEX

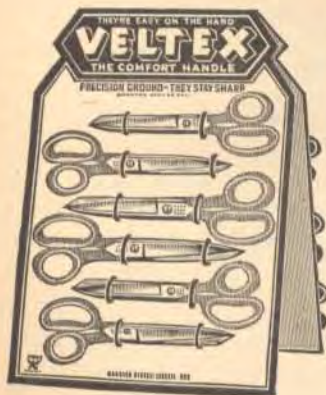
The felt covered bows are easy on the hand and are very attractive. High grade cast steel. Precision ground nickel-plated blades. Green felt covered bows. Plain bows.

KB 54—Weight per assortment 3½ lbs.

Each \$0.49

Assortment consists of: One dozen shears, eight 7-inch and four 8-inch, mounted on an attractive double wing display card.

One dozen on display card.



Each card in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SHEAR ASSORTMENTS



SUNSET—MAGNETIC

The popular priced shears that will find lost needles! Cast steel, nickel plated, mirror buffed finish, with handles enameled in colors—red, blue, green, black. Fitted bows; brass screws.

Assortment consists of one dozen shears, four each 6, 7, and 8-inch. Mounted on display card.

KB 255—Weight per assortment 3 lbs. Each \$0.25

One assortment in a carton.

SHEARS

24-Karat Gold-Plated Handles

Beautifully embossed gold-plated handles with antique bows set off the utility blades of forged steel, hollow ground and nickel plated. Firmly fastened with plain screw. Length 8 inches.

KB 465—Weight per dozen 3¼ lbs. Each \$0.49

One dozen in a 3-section tray, with display card.



PINKING SHEARS



WISS—MODEL C

Pinking shears look and work like ordinary shears and are used to make a series of small pyramid or zig-zag cuts along the edge of fabrics to prevent raveling of the threads—a pinked edge does not fray.

They are great time savers as they do away with over-casting on many materials, save one cutting operation and pink all edges; can be used to good advantage by home and professional dressmakers, tailors, sewing teachers, students, dress designers, window trimmers, etc.

Excellent for neatly pinking and cutting dress jerseys, rayons, silks, cottons, ribbons, crepe paper, etc.

Special high carbon steel, with teeth carefully hardened, tempered and adjusted; high luster nickel-plated finish; blade 3½ inches long; length over all 9 inches.

KY C—Weight each ½ lb. Each \$4.95

One in an attractive carton.

PAPER OR BANKERS' SHEARS

Speeds up desk work in banks, offices, newspaper plants, mailing departments, wherever paper cutting is frequent or heavy in volume. These shears cut more easily because of the long, free swinging blades.



KEEN KUTTER

Nickel-plated blades—black japanned handles

Quality means greater accuracy in your paper cutting. The fine ground edges will also cut light fabrics, and twine, easily, quickly.

Highest grade forged steel laid blades, uniformly tempered. Carefully ground and set. Fitted bows. (Patent screw and nut.) Length 12 inches.

KB K16/12—Weight per dozen 7 lbs.....Each \$1.95

One pair in a carton.



Nickel-plated blades—black japanned handles

Economical shears for all around cutting. Will give long satisfactory service.

Cast steel, with fitted bows and plain steel screw. Length 12 inches.

KB 405/6—Weight per dozen 6 lbs.....Each \$0.75

One-half dozen in a carton.

FLOWER SHEARS



ACME—GARDEN CLIPPER

Holds flower after cutting. Protect your hands from scratches and cuts. It snips a flower and holds it as it cuts.

High grade forged steel. Improved jaws, lustrous durable nickel finish. Flower-green enameled, rust-proof handles. Nickel-plated steel holding device with knurled edge actuated by tempered spring steel wire. Length 6 3/4 inches, 1 1/2-inch jaws.

KB 750—Weight per dozen 4 1/4 lbs.....Each \$0.49

Each shear in an envelope. One dozen in an attractively colored display carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER TAILORS' SHEARS



Cuts cleanly and easily from joint to point.

Highest grade steel laid blades, uniformly tempered, carefully ground and set. Glazed finish. Patented brass bolt and nut.

Black Japanned Handles With Bows Shaped to Fit the Hand

Nos.	Each	Length, Inches	Wt. per Pair, Lbs.
KB K3	\$7.75	12	1 1/2
KB K4	8.75	12 3/4	1 3/4
KB K7	14.95	14	2 1/2

One pair in a carton.

PAPER HANGERS' SHEARS

SIMMONS



Best quality crucible steel blades, highly polished. Solid forged steel, black japanned handles, with large finger holes for comfort.

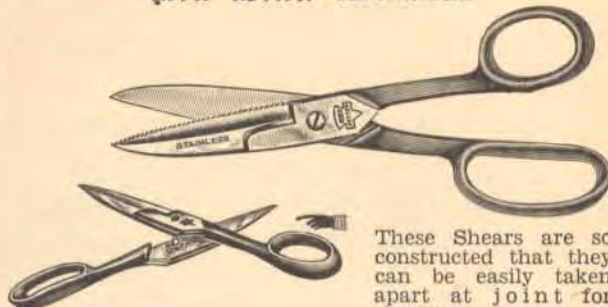
Blades are riveted to handles and are perfectly set and edged to cut straight and true from heel to extreme point. They are practically indestructible.

Nos.	KB S9/16	KB S9/18
Length, Inches	10	12
Wt. per Doz., Lbs.	7	9
Each	\$1.00	1.49

One-half dozen in a carton.

KITCHEN SHEARS

KEEN KUTTER—CLEANABLE



These Shears are so constructed that they can be easily taken apart at joint for cleaning.

This new and most practical shear meets the many odd requirements of the kitchen, such as cutting vegetables, fruits, fish, fowl, etc. The long shanks add great leverage and make hard cutting easy.

Forged steel handles, green enameled finish, with tough nickel plated steel blades, one of which has a finely serrated file tooth edge to prevent slipping of article being cut; heavy steel bolt and nut at joint. Length 8 3/4 inches; cutting edge 3 inches long.

KB K5—Weight per dozen 6 3/4 lbs.....Each \$1.00

One in an individual cardboard box; one-half dozen in a carton.

BARBERS' SHEARS



**KEEN KUTTER
GERMAN PATTERN—PROFESSIONAL**

A professional shear designed and made primarily for the professional barber and beauty shop operator.

Both blades are flat and especially thin allowing operator to cut hair close to the head.

The long shanks permit great leverage and the finger holes are of proper size and in correct position to be comfortable.

Special analysis high carbon steel, specially heat treated, finely polished, with highly colored steel finish; the steel is tough enough to hold a good edge, yet not too hard for easy sharpening; fitted ring bows. Length over all 7½ inches.

KB K47—Weight per dozen 1¾ lbs.....Each \$1.60



**KEEN KUTTER
FRENCH PATTERN—EXTRA LIGHT**

Makes cutting and shaping easier, quicker. Use either right or left handed. Highest grade solid forged steel blades, uniformly tempered, carefully ground and set. Nickel-plated blades, highly polished. Fitted ring bows.

Nos.	KB K25/7	KB K25/7½
Length, In.	7	7½
Wt. per Doz., Lbs.	2	2¼
Each	\$1.19	1.39



KEEN KUTTER

Highest grade forged steel blades, uniformly tempered, carefully ground and set. Fitted bows. Strauss patent screw and nut.

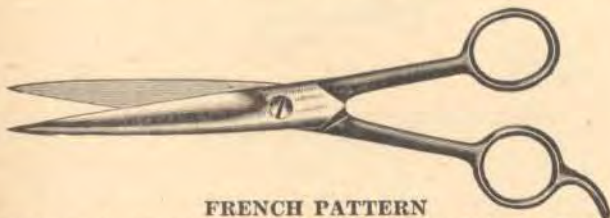
FULL NICKEL PLATED

Nos.	KB K17/7	KB K17/7½
Length, In.	7	7½
Wt. per Doz., Lbs.	2	2¼
Each	\$1.00	1.25

**BLACK JAPANED HANDLES, NICKEL-PLATED
BLADES**

Length 7½ inches.

KB K187½—Weight per dozen 2¼ lbs.....Each \$1.00



FRENCH PATTERN

High grade forged steel blades, highly polished. Gunmetal finish handles. Fitted ring bows, and steel screw. Length 7½ inches.

KB 3000—Weight per dozen 2¼ lbs.....Each \$0.49

One pair in an individual paper pocket. One-half dozen in a carton.

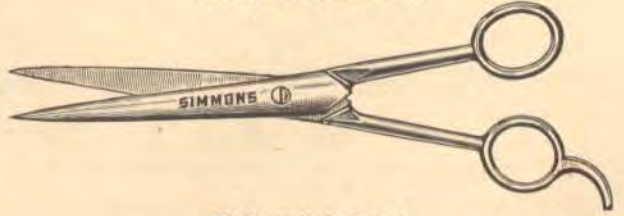
Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

BARBERS' SHEARS

SIMMONS

High carbon forged steel blades, properly hardened in lead, tempered in oil, carefully ground and set. Fitted ring bows allow easy grip. Steel screw. Can be used either right or left handed. Length 7½ inches.

FRENCH PATTERNS



Full nickel plated

KB S904—Weight per dozen 2¼ lbs.....Each \$0.75



Polished blades—gunmetal finish handles

KB S905—Weight per dozen 2 lbs.....Each \$0.75



PROFESSIONAL PATTERN

Drop forged from very high grade steel, hardened, tempered and highly polished; fitted ring bows; plain screw; can be used either right or left hand.

Lockless feature—The Lockless feature of this shear is the special forming at the heel or joint so that hair will not be caught when shear is entirely closed.

Length over all 7½ inches.

KB 3103—Weight per dozen 2¼ lbs.....Each \$0.75

One pair in an individual paper pocket.
One-half dozen in a carton.

BARBERS' SHEARS



FRENCH PATTERN

Forged steel blades with keen edge. Full nickel plated. Fitted ring bows. Plain screws. Length 7 inches.

KB 36/7—Weight per dozen 2 lbs.....Each \$0.49

One dozen mounted on a heavy cardboard easel display stand 10x15 inches.

One card in an envelope.

KEEN KUTTER SCISSORS — SAVE TIME, EFFORT, MONEY

KEEN KUTTER ladies' or trimming scissors are preferred by discriminating women because they cut cleaner, faster, and last longer. They are designed for millinery, mending, darning and for particular work on light fabrics. They are pleasing in design and beautifully finished. With the sharp point, you can quickly pick out and snip threads from the daintiest work without injury to fabric or pattern.



Full Nickel-Plated, Inside Crocus Polished Shear Bow Pattern

Nos.	KB K64/6	KB K64/6½	KB K64/7
Length, In.	6	6½	7
Wt. per Doz., Lbs.	1½	1¾	2¼
Each	\$1.25	1.35	1.40



Full Nickel-Plated, Inside Crocus Polished Fitted Bows

Nos.	KB K8/4	KB K8/4½	KB K8/5
Length, In.	4	4½	5
Wt. per Doz., Lbs.	¾	¾	1
Each	\$0.95	1.00	1.15

Nos.	KB K8/5½	KB K8/6
Length, In.	5½	6
Wt. per Doz., Lbs.	1¼	1½
Each	1.20	1.25

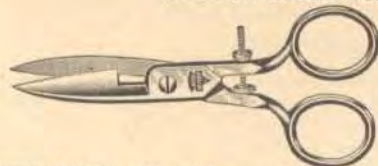


Full Nickel-Plated, Inside Crocus Polished Fitted Bows

Nos.	KB K7/3½	KB K7/4	KB K7/4½
Length, In.	3½	4	4½
Wt. per Doz., Lbs.	½	¾	¾
Each	\$0.90	.95	1.05

Nos.	KB K7/5½	KB K7/6½
Length, In.	5½	6½
Wt. per Doz., Lbs.	1½	1¾
Each	1.10	1.30

One-half dozen in a carton.
BUTTON-HOLE SCISSORS



Round Bows
Full Nickel Plated
Adjustable set screw below joint.
Length 4½ inches.

KB K2BH—Weight per dozen 1 lb.....Each \$1.00

One in an envelope; one-half dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

Blades are highest grade forged steel, evenly and uniformly tempered, carefully ground and set. Securely fastened with strong plain screws.

Here's a wide selection. Choose the scissors you need today to equip your work-basket for more efficient cutting and sewing. You'll find them a pleasure to own and to use.

LADIES' OR REGULAR



24-Karat Gold-Plated Handles, Fancy Mission Pattern Bows

Nos.	KB K73/4½	KB K73/5½
Length, Inches	4½	5½
Weight per Dozen, Lbs.	¾	1¼
Each	\$1.15	1.25

EMBROIDERY OR LACE



24-Karat Gold-Plated Handles, Fancy Mission Pattern Bow

Length 3½ inches.
KB K72/3½—Weight per dozen ½ lb.....Each \$0.90

POCKET SCISSORS

Full Nickel Plated
These handy scissors are made with blunt points for safe carrying in pocket or on a ribbon or cord.



Extra Heavy Beveled Blades Fitted Bows

Nos.	KB K389P4	KB K389P4½	KB K389P5
Length, In.	4	4½	5
Wt. per Doz., Lbs.	1	1¼	1½
Each	\$1.00	1.15	1.20



Plain Blades Fitted Bows

Nos.	KB K6P3½	KB K6P4	KB K6P5
Length, In.	3½	4	5
Wt. per Doz., Lbs.	¾	1	1¼
Each	\$0.85	.90	1.00

One-half dozen in a carton.

KEEN KUTTER MANICURE SCISSORS

America's finest for faster, better work!
Highest grade forged steel blades, uniformly tempered, carefully ground and set. Full nickel plated. Plain screws.

NAIL SCISSORS



Extra Heavy

Round bows. Length 4 inches.

KB K3N4—Weight per dozen 1 lb. Each \$1.00



Round Bows

Length 3½ inches.

KB K2N3½ — Weight per dozen ¾ lb. Each \$0.90

PEDICURE SCISSORS



Extra Heavy

Blades and joint sturdily made for heavy, easy cutting. Length 3½ inches.

KB K43/3½ — Weight per dozen ¾ lb. Each \$1.50

CUTICLE SCISSORS

Round Bows—Straight Shank



Professional Point

Length 3¾ inches.

KB KOM—Weight per dozen ¾ lb. Each \$1.65



Length 3½ inches.

KB K1M3½ — Weight per dozen ½ lb. Each \$0.90



New Professional

Curved extra fine points designed to remove cuticle and hangnails easily.

KB K4PP—Weight per dozen ¼ lb. Each \$1.50



Semi-Professional

This is a very light weight scissors with double needle points of extreme thinness. Length 3 inches.

KB K5PP—Weight per dozen ¼ lb. Each \$1.40

One-half dozen in a carton.

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KEEN KUTTER DENTAL SNIPS



KEEN KUTTER quality assures long life and accurate work in cutting light metals, gutta percha, light wire and other materials.

Solid forged steel, nickel-plated blades, black japanned handles. Length over all 7½ inches.

KB K11D—Weight per dozen 4 lbs. Each \$1.50

One-half dozen in a carton.

KEEN KUTTER ELECTRICIANS' SCISSORS



Solid forged steel. Full nickel plated. Round bows. Length over all 5 inches.

KB K551 — Weight per dozen 2 lbs. Each \$1.00

One-half dozen in a carton.

SIMMONS SCISSORS

Dependable, economical!

Will be a welcome addition to the workbasket. You can depend on SIMMONS scissors for long life and quick, easy cutting.



LADIES' OR REGULAR Shear Bow Pattern

High grade solid forged steel, hardened and tempered in oil, carefully ground and set. Full nickel plated. Plain screws.

Nos.	Each	Length, Weight per	
		Inches	Dozen, Lbs.
KB S804/6	\$0.75	6	1½
KB S804/7	.85	7	2¼

Each pair in an individual paper pocket.

One-half dozen in a carton.



LADIES' OR REGULAR Shear Bow Pattern

High grade drop forged solid steel. Hardened, tempered in oil and carefully ground and set. Nickel plated blades with gun metal finish bows. Plain screw. Length 7 inches.

KB S7—Weight per dozen 2½ lbs. Per Pair \$0.65

One-half dozen in a carton.

SIMMONS SCISSORS

Artistic colorful assortments of scissors mounted on new orange plush tray that can be used in showcase, or on top of counter.

They are made of solid forged steel, smoothly finished and nickel-plated. Round bows. Plain screw.



LADIES' SCISSORS

KB S805—ASSORTMENT of one dozen. Four each 4, 5 and 6 inch. Weight per assortment 2 lbs.

One assortment in a carton.

INDIVIDUAL SCISSORS

Nos.	Each	Length, Inches	Wt. Per Dozen, Lbs.
KB S803/4	\$0.49	4	3/4
KB S803/5	.49	5	1
KB S803/6	.59	6	1 1/2

One-half dozen in a carton.



LACE OR EMBROIDERY SCISSORS

KB S806—ASSORTMENT of one dozen. Four each 3 1/2, 4 1/2 and 5 inches. Weight per assortment 2 lbs.

One assortment in a carton.

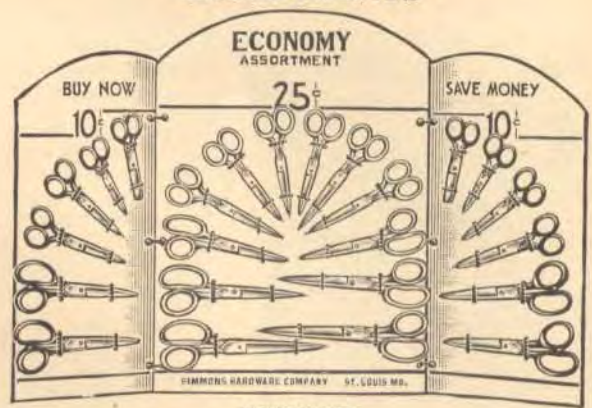
INDIVIDUAL SCISSORS

Nos.	Each	Length, Inches	Wt. Per Dozen, Lbs.
KB S807/3 1/2	\$0.45	3 1/2	1/2
KB S807/4 1/2	.49	4 1/2	3/4
KB S807/5 1/2	.49	5 1/2	1 1/4

One-half dozen in a carton.

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SCISSORS AND SHEARS ASSORTMENTS



ECONOMY

Well made, serviceable, economical scissors and shears! Unusually attractive display—three dozen mounted on a heavy cardboard display card, 29 inches wide, 17 3/4 inches high. Ivory pastel color with red and green lettering.

One dozen nickel-plated scissors and shears with assorted oriental lacquered handles mounted on front panel. Two dozen with black japanned handles are mounted one-half dozen on front and back of each of the two side panels.

KB 1025A—Assortment of 3 dozen. Weight per assortment 8 lbs.

Assortment consists of:

- 4—4-In. Pocket Scissors
- 4—4-In. Lace Scissors
- 4—5-In. Lace Scissors
- 4—6-In. Lace Scissors
- 4—7-In. Shears
- 4—8-In. Shears
- 3—5-In. Lace Scissors
- 3—6-In. Lace Scissors
- 2—6-In. Shears
- 2—7-In. Shears
- 2—8-In. Shears

Nickel plated with black japanned handles. Each \$0.10

Nickel plated, with assorted oriental lacquered handles—red and gold, green and gold and blue and gold color combination. Each \$0.25

One assortment in a carton.

MIDGET

A real, useful and instructive novelty in kiddie scissors and shears—exact miniature reproduction of adult sizes. Cast steel. Blades gold bronzed, handles enameled, assorted colors.

KB 690—Assortment of one dozen—six 4 1/2-inch shears and six 3-inch scissors. Mounted on an attractive easel display card 10 1/2 x 14 inches. Weight per assortment 1 lb. Each \$0.10

One assortment in a carton.



SCISSORS

SCHOOL AND POCKET Magnetized

Heavy stamped steel, nickel plated and buffed. Japanned handles.

Assorted colors. Finger-fit bows. Assorted blunt and sharp points. Plain screw. Length 3 5/8 inches.

KB 9899—Weight per dozen 3/4 lb. Each \$0.10



One on a card. One dozen in a case.

SCISSORS

LADIES' OR REGULAR Light Shear Bow Pattern

Practical, economical scissors for general home use.

Cast steel burnished blades with file hard edges. Gun-metal finish. Plain screw. Length 7 inches.

KB 40 — Weight per dozen 2¼ lbs. Each \$0.50

One dozen in a partitioned display box with one shear mounted on an attractive display card.



SCHOOL OR POCKET

Blunt points with shaped bows make these scissors ideal for handy pocket use or for schoolroom use. Heavy pattern. Hard cast steel, nickel plated and buffed. Assorted green and red japanned handles. Length 4 inches.

KB 119—Weight per dozen 1 lb. Each \$0.10

One dozen on an attractive display card 14x10¼ inches.

TOILET CLIPPERS

These light weight, attractive clippers are ideal for general use. Also very effective for removing superfluous body hair, under arms, on arms and legs. Sanitary, easy to clean. Convenient to tuck into your luggage when traveling.

KEEN KUTTER

DEBUTANTE

This finest improved design clipper is made to exact standards of professional clippers. It is light and handy and has comfortable grips that fit the hand and prevent fatigue. The sanitary nickel-plated rocker bottom attachment with its smooth, rounded surface enables the user to clip in any hollow or curvature and remove hair skin-close.

Has smooth corrugated bottom plate that will not adhere to the skin.

Malleable handles and frame smoothly finished and finely nickel plated. Highest grade razor steel blades, rust-resisting finish, carefully ground and set, cleaned inside. Smooth corrugated bottom plate, 1¾ inches wide. Wing nut adjustment. Length over all 5 inches.

KB K544/0000—Extra fine teeth to cut hair skin-close. Weight per dozen 5¼ lbs. Each \$1.49



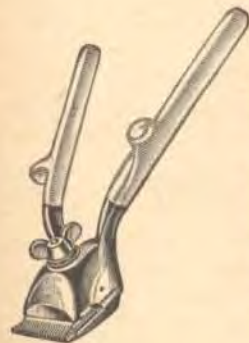
IVORY FINISH HANDLES

A handy, popular clipper of excellent quality and finish. Blades are cleaned inside to make clipper work smoother and improve the appearance.

Annealed malleable handles, permanently coated with ivory enamel. Forged steel top and bottom plates, cleaned inside. Corrugated bottom plate, 1¾ inches wide. Wing nut adjustment. Length over all 6 inches. Has 21 fine teeth.

KB K541/00—To cut hair to ¼ inch. Each \$1.35

KB K542/000—To cut hair very close (about 1/100th inch). Each 1.35



Weight per dozen 5¼ lbs.
One pair in a carton:

SIMMONS

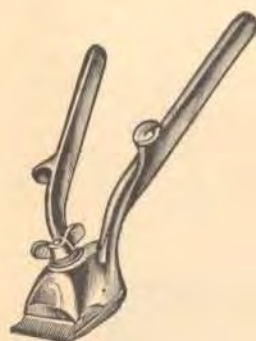
Handy, popular priced clipper of excellent quality.

Malleable iron handles and frame, full nickel plated. Fine cutlery steel plates, cleaned inside. Corrugated bottom plate 1¾ inches wide, with 21 fine teeth. Wing nut adjustment. Length over all 6 inches.

KB S650/00—To cut hair to ¼ inch. Each \$1.19

KB S650/000—To cut hair very close (about 1/100th inch). Each 1.19

Weight per dozen 6 lbs.
One pair in a carton.



CHARM

Nickel-plated head.

Handles enameled.

Assorted colors—white, red pearl, green pearl.

Malleable iron handles and frame. Highest grade steel top and bottom plates, cleaned inside. Corrugated bottom plate 1¾ inches wide. Wing nut adjustment. Length over all 5 inches. Has 18 teeth.

KB 850/000—Weight per dozen 6 lbs. Each \$1.09

One in a carton.
One-half dozen in an attractive display box.

CHARM

Small Size

Malleable iron handles and frame, nickel plated. Highest grade steel top and bottom plates, cleaned inside. Corrugated bottom plates, 1¾ inches wide. Wing nut adjustment. Length over all 5½ inches.

KB 750/000—21 teeth to cut hair very short. Weight per dozen 6 lbs. Each \$0.79

One in a cardboard box.



Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

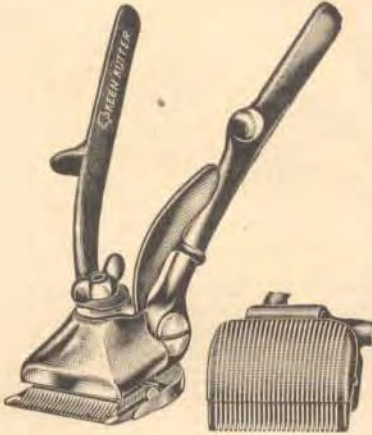
HAIR CLIPPERS

KEEN KUTTER

America's finest for good, fast work!

Easy to operate, perfect in design cutting action and balance!

BARBER TYPE



Large, full size model, as used in barber shops. Sanitary rocker bottom attachment enables user to do good work easier and quicker. Fitted with a nickel-plated finger guide that makes operation easier and more precise.

Perfectly balanced malleable iron handles heavily nickel plated and polished. Forged steel top and bottom plates, carefully ground and set, and cleaned inside. Bottom plate $1\frac{1}{4}$ inches wide. Side spring type with set

screw to adjust tension. Length over all $6\frac{1}{2}$ inches.

KB K545/00—25 Fine teeth, to cut hair to $\frac{1}{16}$ inch Each \$3.75

KB K545/000—25 Fine teeth, to cut very close (about 1/100th inch)..... Each 3.75

Weight per dozen 6 lbs.



NECK SHAVER PROFESSIONAL PATTERN

Narrow blade side-spring type. Equipped with patented guide grip—to ease manipulation, eliminate hand strain and hair pulling, and to guide the operator to a more perfect hair cut.

Heavily nickel plated, highly polished. Perfectly balanced, durable malleable iron handles. Concaved and corrugated high carbon steel top and bottom blades, correctly hardened and tempered. Teeth of

blades are scientifically spaced and finished to permit fast feeding of hair and prevent scratching of tender skin. Side screw tension adjustment. Bottom plate width $1\frac{1}{8}$ inches. Length over all 6 inches.

KB K547/000—Fine teeth to cut hair very close (about 1/100th inch). Weight per dozen 6 lbs..... Each \$1.69

One in a carton.

HAIR CLIPPER SPRINGS



No. KB 2KS



No. KB 2FS



No. KB 2BS

KB 2KS—For Nos. KB K541/00, KB K542/000, KB S650/00, KB S650/000 and KB S660/00. Each \$0.05

KB 2FS—For No. KY 750/000 Each .05

KB 2BS—For Nos. KB K545/000 and KB S649/000. 2 for .15

Packing—bulk.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SIMMONS

These quality clippers for perfect service at home and for all around general use. They're perfect in design, correctly balanced and long lasting.

BARBER TYPE LARGE SIZE



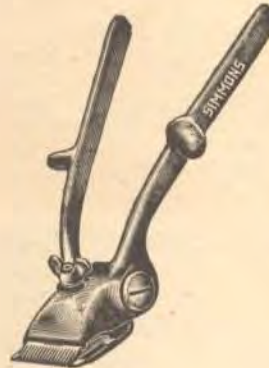
Fitted with a nickel-plated finger guide for easier, more precise operation. The sanitary rocker bottom attachment enables user to do good work fast and easily.

Malleable handles, full nickel plated and polished. Forged steel top and bottom plates, carefully ground and set, cleaned inside. Bottom plate $1\frac{1}{8}$ inches wide. Side spring type with set screw to adjust tension. Length over all $6\frac{1}{2}$ inches.

KB S349/0—Fine teeth, to cut hair to $\frac{1}{16}$ inch Each \$2.50

KB S349/00—Fine teeth, to cut hair to $\frac{1}{32}$ inch Each 2.50

Weight per dozen 6 lbs.



Full nickel-plated malleable handles and frame. Fine quality steel hollow ground top and bottom plates, cleaned inside. Corrugated bottom plate $1\frac{3}{8}$ inches wide. Wing nut adjustment. Length over all $5\frac{1}{4}$ inches.

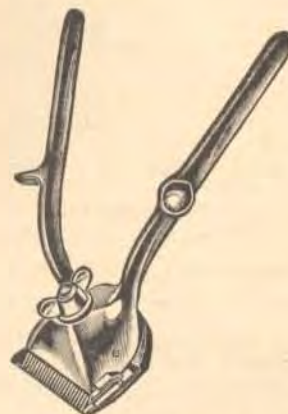
KB S670/000—18 fine teeth to cut hair very close (about 1/100th inch). Weight per dozen 6 lbs. Each \$1.25

HEAVY DUTY

Especially adapted for general use—a fine quality, low price clipper.

Full nickel-plated malleable handles and frame. Steel top and corrugated bottom plates, cleaned inside. Bottom plate $1\frac{3}{8}$ inches wide. Wing nut adjustment. Length over all $5\frac{1}{4}$ inches.

KB S660N00—Has 23 fine teeth to cut hair to $\frac{1}{16}$ inch. Weight per dozen 6 lbs. Each \$1.25



One in a cardboard box.

HAIR CLIPPERS

BROWN AND SHARPE'S

For home or professional use. This curved bottom tapering model slides smoothly in any position to easily obtain an even taper. Adjustable side spring tension assures smooth action.



TAPERING BRESSANT MODEL

Chromium Plated

Malleable iron frame and handles. Forged steel top and bottom plates, highly tempered. Length over all 6½ inches. Corrugated bottom plate, width 2 inches.

KB 1B—Medium teeth to cut hair to ¼ inchEach \$4.25

KB 0B—Fine teeth to cut hair to ⅓ inch. Each 4.25

KB 00B—Fine teeth to cut hair to ¼ inch. Each 4.25

KB 000B—Fine teeth to cut hair very short (about 1/100th inch).....Each 4.25

KB 0000B—Fine teeth to cut hair extremely short—nearly as close as shaving.....Each 4.25

One in a carton.

Nos.	Top Plates For Clipper Nos.	Each
KB 1BTP	KB 1B	\$0.80
KB 0BTP	KB 0B	.80
KB 00BTP	KB 00B	.80
KB 000BTP	KB 000B	.80
KB 0000BTP	KB 0000B	.80

Nos.	Bottom Plates For Clipper Nos.	Each
KB 1BBP	KB 1B	1.45
KB 0BBP	KB 0B	1.45
KB 00BBP	KB 00B	1.45
KB 000BBP	KB 000B	1.45
KB 0000BBP	KB 0000B	1.45

One in an individual cardboard box, twelve boxes in a carton.

Nos.	Springs For Clipper Nos.	Each
KB 1BS	KB 1B	\$0.65
KB 0BS	KB 0B	.65
KB 00BS	KB 00B	.65
KB 000BS	KB 000B	.65
KB 0000BS	KB 0000B	.65

Packing—bulk

NARROW PLATE

Chromium Plated

Malleable iron frame and handles. Steel top and bottom plates. Corrugated bottom plates, 1½ inches wide. Set screw to regulate tension of spring. Length over all 6 inches.

KB 000NP—Weight each ½ lb.....Each \$4.25

One in a carton, with extra springs and a small screw driver.

KB 000TP—Top plates for No. KB 000NP.....Each \$0.80

KB 000BP—Bottom plates for No. KB 000NP.....Each 1.45

One in an individual cardboard box, twelve boxes in a carton.

KB 000S—Springs for No. KB 000NP.....Each \$0.65

Packing—bulk.



HAIR CLIPPERS

RANGER

With Two Extension Combs



Just the clipper for home use. Made to order for novice. Gives a barber-like hair cut with little skill and effort. Through the use of the cutting combs, the operator can give a quick, complete hair cut. Almost as large as the barber's clipper. High quality. Professional design. Cuts clean, stays sharp. Hair feeds fast and freely. For partial taper add extension comb No. 3; for complete taper, extension comb No. 5.

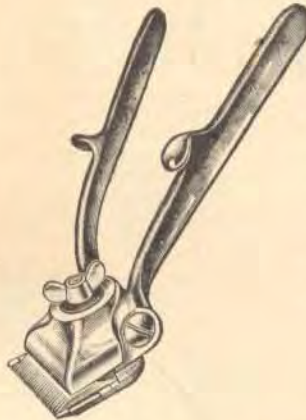
Full nickel-plated malleable iron handles, practically break-proof. Special analysis steel cutting blades. Side spring tension adjustment insures full, even stroke at all times. Length over all 5¾ inches. Bottom plate 1½ inches wide.

When used without extension comb—cuts hair very close. With No. 3 extension comb—cuts hair ¼ inch long. With No. 5 extension comb—cuts hair ⅓ inch long.

KB 12/000—With two extension combs. Weight per dozen 7¼ lbs.....Each \$1.49

One in a cardboard box with extra combs and hair cutting booklet showing how to give a barber-like hair cut.

SPARTAN—PROFESSIONAL



This clipper is ideally suited for those who desire a professional hair clipper not quite as large as the large size barbers' clipper. Malleable handles. Full nickel plated. Selected cutlery steel top and bottom plates, uniformly hardened—can be resharpened. Corrugated bottom plate 1¼ inch wide. Side screw adjustment and wing tension nut. Length over all 6 inches.

KB 550/000—25 fine teeth to cut hair very close. Weight per dozen 7 lbs.....Each \$1.29

One in a carton.

HOME BARBER SETS

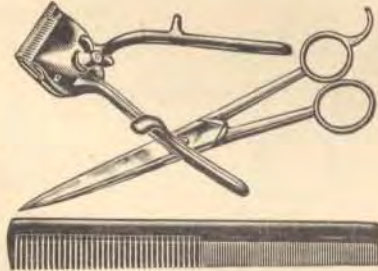
Make Hair Cutting Easy

Handy for barber-like home hair trimming.

Set consists of:

1—Toilet Clipper No. KY 750/000. Nicely nickel plated. Length 5½ inches. Cuts hair very short.

1—Barber's Shears No. KB 36/7. Forged steel blades, full nickel plated. Length 7 inches.



1—Black rubber comb 7 inches long, coarse and fine teeth. **KB 703**—Weight per set 1 lb.....Per Set \$1.49

One set in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

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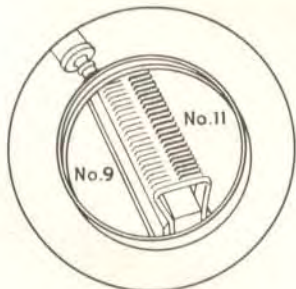
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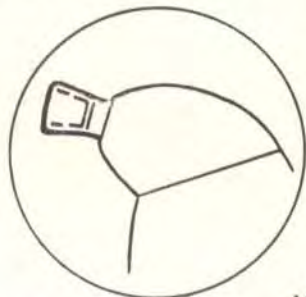
Genuine English pig skin case by Mark Cross.



Unbreakable Magnifying Mirror. Handy to stand or hang.



TWO-IN-ONE SHEARING HEAD
(Fine & Coarse)



NATURAL SHAVING ANGLE 456A

**KNAPP "Natural Angle" SHAVER
De Luxe Model No. 15-8**

The Knapp "Natural Angle" Shaver presents an entirely new idea in electric shaving. The natural angle of the shearing head makes it possible to shave comfortably without practice or learning. New patented two-in-one shearing head provides special cutting slots for both COARSE and FINE beards. Easily reversible shearing head snaps in quickly while motor is running. Powerful universal type, triple pole motor receives three separate power impulses per revolution and turns 6500 R. P. M. Beautifully flowing lines in ivory plastic and 24-Karat gold plated head. Designed to fit comfortably in the hand with side grips to hold shaver firmly without slipping. Case by Mark Cross in genuine English pig skin, specially constructed to protect the shearing head from rough usage. Streamlined rubber plug with plug grips molded on rubber-covered tinsel cord. Listed as standard by Underwriters' Laboratories.

110 Volts, 5 Watts; Individually Packed; 6 in Shipping Carton; Shipping Weight 11 lbs.

K B 15-8

\$15.00

KNAPP MONARCH CO., ST. LOUIS, U.S.A. *Puts Profits into Your Pocket*

WITH THIS
5-STAR HIT

★ THE NEW KNAPP SHAVER

★ NATIONAL ADVERTISING

★ PRICE APPEAL

ROSE TOOLS, INC.

★ EYE APPEAL

★ QUALITY APPEAL



Shark-grained covered steel carrying case, velveteen lined, and specially designed to protect the shearing instrument from rough usage and dropping.

KNAPP "Natural Angle" SHAVER Standard Model . . No. 10-8

Built to the rigid standards of precision and quality used in the De Luxe model shaver. Standard model in black plastic and heavily chrome plated head. Same innovations in electric shaving as the DeLuxe model, from the convenient natural angle and patented two-in-one shearing head to the streamlined plug molded on the rubber-covered cord. This shaver is engineered and designed for fast, efficient, comfortable shaving. Listed as standard by Underwriters' Laboratories. Six-foot tinsel rubber-covered cord.

110 Volts, 5 Watts; Individually Packed; 6 in Shipping Carton; Shipping Weight 10 lbs.

KB 10-8 \$10.00

KNAPP "Natural Angle" SHAVER DISPLAY . . . SD-1

This attractive display has been designed to create KNAPP Natural Angle SHAVER sales for you. It measures 13 inches in height and 7½ inches in depth, with a full 9 inch mirror. Display in a prominent position in your store to invite demonstrations. Equipped with its own sterilizer, 6-foot cord and outlet for convenience in demonstrating. Shaver model permanently attached to the display. Ask your distributor for information as to how to get one of these displays for your store.



456B

KNAPP MONARCH CO., ST. LOUIS, U.S.A. Puts Profits into Your Pockets

WITH THIS
5-STAR HIT



THE NEW KNAPP SHAVER



NATIONAL ADVERTISING



PRICE APPEAL



EYE APPEAL



QUALITY APPEAL

ROSE TOOLS, INC.

ELECTRIC HAIR CLIPPERS

"THE HANDY"



A small neatly designed, light weight clipper that is easy to handle and manipulate as to different angles when cutting hair.

No lost power. Positive blade drive assures hair cutting with every turn of the armature. The air-cooling fan keeps clipper cool and clean. Nothing to adjust or get out of order—absolutely fool-proof. Compact—built like a jeweled watch—only 5 moving parts.

Perfectly insulated and shock proof. Fits the hand comfortably. Blade is sloped to fit the head, eliminating hand shearing.

Light grade mechanism and universal electric motor, armature, commutator, field, carbon brushes in a compact, well insulated housing of maroon colored bakelite and metal. Polished



Showing Interior Mechanism

aluminum top plate. Highest grade steel cutting blade 1 1/4 inches wide, fastened to head by one screw which holds it firmly in proper position and makes removal easy. Toggle switch at rear of case.

Complete with 6 feet of approved rubber cord and plug cap. Also cleaning brush, oil can and tube of fine grease. Operates on 110 to 120 volts alternating or direct current, all cycles.

Cutting blade sizes (Specify size wanted).

0000—Equal to shaving.....	1/10 mm.
000—Very close.....	1/8 mm.
00—1/16 inch.....	1/2 mm.
0—1/32 inch.....	1 mm.
0A—1/16 inch.....	2 mm.
1—1/8 inch.....	3 mm.

Size—6 1/4 inches long, 1 1/4 inches in diameter. Length over all 6 3/4 inches.

#KB 8—Weight each 1 1/2 lbs.....Each \$14.95

One in a carton, complete with instructions.

HOME CLIP

Fills a long felt want for a high grade electric hair cutting unit at a nominal price, and used successfully by most everyone in the home without experience in hair cutting.

The specially designed tapering comb attachment can be put on or taken off the cutting blades quickly and enables anyone (whether experienced or not) to do a good job of hair cutting. "Step cutting" is almost impossible when using this attachment.



Well made and nicely finished. Length 4 1/4 inches. Complete with attachment cord.

For alternating or direct current—6, 32, 110, 150, 220 or 250 volts—specify voltage desired.

#KB H1/0—Size 0—Cuts to 1/16 inch.....Each \$8.75

#KB H1/00—Size 00—Cuts to 1/32 inch.....Each 8.75

#KB H1/000—Size 000—Cuts to shave.....Each 8.75

One in a carton. Weight each 1 lb.

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory. Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

ELECTRIC RAZORS

The New Way for Shaving Comfort

Quickly Shaves Every Kind of Beard Close and Clean



SUNBEAM SHAVEMASTER

Just right for men who have been intending to buy an electric dry-shaver when the right one came along . . . men who have used a dry-shaver and want a better one . . . that great group of people who plan to give a dry-shaver as a gift and want to give one that really shaves.

No Skill Required

No weeks of patient practice. Men like the first shave it gives them. Pass the smooth, round shaving head over your face—forward, backward, sideways—or in circles. No skin can enter—not a whisker escapes. Cannot nick or cut the face.



High-Grade Steel Comb. Half-circle in shape, fits any contour of the face comfortably. Surface of comb, save for the clipper openings at either end, is a network of fine, beard-size holes. Whiskers enter the holes in comb and are literally whisked away by the high-speed cutter.

Self-Honing Cutter "floats" in the oscillating cutter-holder. Centrifugal force presses cutting edge tight against inside of comb.

Powerful Motor. Self-starting, brush-type Universal Motor with convenient on-and-off switch. All beards look alike to the steady, man-size power of this motor.

Works Two Ways—Shaves and Clips. The ONLY electric shaver with a patented head made exclusively to shave beards close and clean—and also having a clipper in it for clipping longer hairs which cling to the neck.

Easy to Keep Clean. Blow through slots in base of comb after each shave to remove hairs. For more thorough cleaning, comb can be easily removed. Convenient brush is provided to clean corners of cutter-holder when comb is removed.

Heavy Bakelite case, with nickel-plated, perforated front plate. Length 4 1/4 inches.

Complete with rubber covered cord with rubber attachment plug cap.

Operates on 110 or 120 volts, AC or DC current.

KBR—Weight each 1 1/4 lbs.....Each \$15.00

One in a rich, ostrich leather, zipper type case, in a carton.

ELECTRIC RAZORS—The New Shaving Comfort!

Quickly Shave Every Kind of Beard Close and Clean



A fine precision instrument, sturdily built to the close limits of a fine watch and worthy of a great name in shaving.

- Exclusive double-action cutter that means a quicker, cleaner and easier shave every time. Whiskers are fed to the cutter from four directions. Even closing bristles are lifted upright and clipped off at skin-line.
- Goose-neck construction—enables user to shave with arm in easy, natural position.
- Striking modern design, fits the hand comfortably.
- Powerful high-speed motor—high grade cord and plug.
- Built-in non-breakable mirror—swings into position for easy shaving under all conditions.
- Removable cradle is convenient wall hanger when not in use.
- Perfect protection is provided by handsome durable metal traveling case.
- Operates on 110-120 Volts, A. C. or D. C. current.

KB G20—Weight each 2½ lbs.....Each \$20.00

One in a box.

ELECTRIC SHAVERS

GEM-ELECTRIC

WITH 70 MAGIC MICROTINES

The Closest Shave Possible! Face Irritation Impossible!



- The new patented feature—the 70 Magic Microtines guide the hairs to the clippers and guard the skin while the beard is shaved close and clean at its base. This exclusive patented method assures close, quick, cool and comfortable shaving.
- Shaves equally well with all types of beards. Only one head necessary for thick, thin, long

or short hairs on any part of the face. The wide tapering entrance between the 70 Magic Microtines let all hairs in.

Case—Attractively designed lightweight, with non-skid grip, automatic starting button, and rubber-covered cord with rubber plug.

Shaving Head—Brilliant chromium-plated sanitary and durable shaving head, sealed to prevent the hairs from clogging the mechanism. The inside cutter is permanently and perfectly set. Head need never be removed.

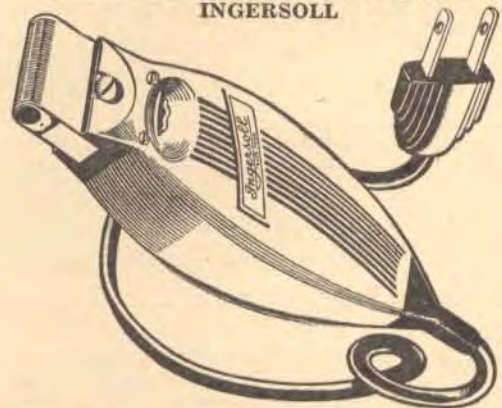
Motor—Universal brushless motor, 110 volts A. C. or D. C. current. Double contact points. Mahoganite bearings. Long life, cool running and steady power. No oiling required.

In Beautiful Presentation Case

KB G1250—Weight each 1 lb.....Each \$12.50

One in a box.

ELECTRIC DRY SHAVERS INGERSOLL



A quality electric razor that looks, shaves and is good. It is self-honing and self-sharpening and will give quick, clean, close shaves.

The dry shaver head—designed for smooth action on the skin, ease of cleaning, long life, and simplicity. Selected steel, accurately heat-treated, is used for the outer shell, and cutter bar. Head is easy to remove and replace. The inner cutter runs on large ball bearings, eliminating wear at the vulnerable point.

The motor—unlike other razor motors, the Ingersoll motor (not a vibrator) is mounted on a metal chassis, and is assembled as a complete motor before being placed in its case. Designed to provide plenty of power and ease of starting at all times with efficient operation and ample power output assured. The starting wheel is designed so that it cannot "burn" the fingers when stopping or starting the motor.

The Ingersoll motor is approved by the National Board of Fire Underwriters as having no fire or electrical hazards. The motor is rated at only eight watts, and each razor is individually tested before leaving the factory. No oiling whatsoever is required.

Attractively designed composition case with polished nickel-plated head. Complete with ultra flexible rubber covered cord and moulded rubber plug. Size 5x2x1½ inches.

Operates on 110-120 volts A. C. or D. C. current.

KB 750—Weight each 1 lb.....Each \$7.50

One in an attractive carton with beautiful silk-bound felt bag and draw string.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER

SAFETY RAZOR AND BLADES



These Superior Razor Blades, Plus the Razor, At a Bargain Price!

Here's your chance to try this well-known product at a special value.

The Blade is finest Swedish steel, highly tempered, carefully ground, stropped and tested.

The Razor has only three parts—chromium plated and highly polished frame, guard and blade, with long, slender, octagon-shaped colored catalin handle (assorted colors).

Each Individual Cardboard Case contains two packages of blades, five in a package, and one safety razor.

Deal Consists of 20 of these individual cases packed in an attractively colored display container.

KB KK39—

Weight per deal 3 lbs.
Per Set \$0.39

One deal in a carton.

ROLLS RAZORS

The First Cost Is the Last

Economical—blade lasts for years. Finest Sheffield steel blade, 1½ inches wide—hollow ground like a straight razor, perfectly tempered. Safety guard is an integral part of blade—protects blade, minimizes possibility of cutting face, and insures holding blade at correct angle for clean shaving. Turned metal handle has hook-shaped slot into which blade slides easily.

Stropped and honed in its case—Both covers can be removed for either stropping or honing. Red leather strop, in one lid, is fully impregnated with dressing—a few strokes to and fro every day keeps the shaving edge in perfect condition. Gray stone hone, in other lid, is used dry—same simple mechanism resets blade, gives it a new edge.

Cleverly compact. Entire unit contained in smartly embossed, brightly finished metal case 6x2¼x¾ inches.



Nickel-plated razor and case.

Cardboard outer case.
With one blade.

KB 2—Weight each
1½ lbs...Each \$10.00



Nickel-plated razor and case. Pebble-grain red leatherette outer case. Shaving handle is telescopic and is extended by pulling to its full length. With two blades: one blade in razor and one extra blade in nickel-plated blade box.

*KB 2A.....Each \$15.00

Weight each 1½ lbs.
One in a carton.



Razor and case brilliantly finished solid stainless metal.

Rich mottled brown leather outer case. Shaving handle is telescopic and is extended by pulling to its full length. With two blades: one blade in razor and one extra blade in polished blade container.

*KB 3.....Each \$20.00

ROLLS RAZOR BLADES

For All Rolls Razors



No. KB RB3

Nos.	Each	Blades	No.	Packing Metal Container
KB RB1	\$ 2.50	1		Container
*KB RB3	7.50	3		Case
*KB RB6	15.00	6		Case

ACCESSORIES FOR ROLLS RAZORS

Nos.	Each		Nos.	Each	
KB RH	\$1.50	Rolls Razor Hone	KB 1RH	1.75	No. 1 Rolls Razor Handle (Telescopic)
KB RS	1.00	Rolls Razor Stropps	KB 2RH	1.00	No. 2 Rolls Razor Handle (Solid)
*KB RFC	.50	Rolls Razor Friction Clip			

One in a carton.

Goods marked thus () are not carried in stock and can be furnished only by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SAFETY RAZOR BLADES — That Give Clean, Smooth Shaves!

SINGLE EDGE



KEEN KUTTER

- Every blade gives a good shave.
- For shaving light or heavy beard — finest Swedish steel, highly tempered — holds sharp edge.
- Shaves evenly and smoothly — carefully ground, stropped and tested.

Each blade manufactured with the same accuracy and precision — protected by a moisture-proof paper wrapping and enclosed in an envelope. Five blades in a package.

Packages held in chutes on back of an attractively colored easel-back cardboard display card 9¼x15¼

inches. Packages are easily removed.

20 Packages of 5 Blades

KB K1BC—Weight per card ½ lb.....Per Package \$0.25

Each card in an envelope.

Packages of 5 Blades

KB K1B—Weight per carton ½ lb.

Per Package \$0.25

Twenty packages (100 blades) in a carton.

ENDERS SPEED

For Enders Speed Razors Only

Give uniformly smooth shaves. Highest grade Swedish steel, tempered, hollow ground, stropped and tested.

Blades packed on tabbed folders which protect the edges, sealed in moisture-proof paper. Five in a package.

Packages held in chutes on back of attractive easel-back display card, printed in green, black and yellow — packages easily removed.

20 Packages of 5 Blades

KB EB20—Weight per card ¾ lb.....Per Package \$0.35

10 Packages of 5 Blades

KB EB10—Weight per card ½ lb.....Per Package .35

Each card in a carton.

Packages of 5 Blades

KB EB—Weight per box ½ lb.....Per Package \$0.35

Twenty packages (100 blades) in a carton.

ENDERS DOLLAR

For old model Enders dollar safety razors.

Sealed Packages of 5 Blades.

KB EBO—Weight per box ½ lb.Per Package \$0.25

Twenty packages (100 blades) in a carton.

SINGLE EDGE



SIMMONS BLUE

For Gem and Ever-ready type safety razors.

Quick, perfect shaves — finest quality chrome steel, scientifically tempered, ground, sharpened — perfectly honed and stropped.

Each blade wrapped in moisture-proof paper and enclosed in paper envelope — five in a package.

Packages secured to brightly colored display card by slipping back of package over died-out tongue on card — easily removed.

20 Packages of 5 Blades

KB S253—Weight per card 2 lbs.....Per Package \$0.10

EVER-READY

For Ever-Ready or Gem Safety Razors. High quality blades that give a perfect shave.

Each blade carefully sealed in an envelope. Five in a glassine covered package.

Packages held in chutes on back of simple, safe, compact lithographed cardboard counter display stand 10½x12 inches. Each chute holds 10 packages of blades — easily removed.

20 Packages of 5 Blades

KR 197—Weight per card 2 lbs.

Per Package \$0.29



Packages securely held in position by oblong cut-outs in extremely attractive easel back counter display stand 8¼x14¼ inches.

10 Packages of 5 Blades

KR 199—Weight per card 2 lbs.....Per Package \$0.29

Packages of 5 Blades

KR 198—Weight per box ½ lb.

Per Package \$0.29

Twenty packages (100 blades) in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SAFETY RAZOR BLADES—That Give Clean, Smooth Shaves!

SINGLE EDGE



VALET AUTO STROP

High quality blades with keen sharp edge.

Each blade is neatly wrapped in moisture-proof paper.

Packages of 5 Blades

KY 5—Weight per package 1 ounce Per Package \$0.25

Twenty packages in a carton.

Packages of 10 Blades

KY 10—Weight per package 2 ounces Per Package .49

Ten packages in a carton.

GEM MICROMATIC

For Ever-Ready and all Gem Razors.

• Give many extra shaves—made of newly-developed surgical steel that take a keen edge and hold it, give longer shaving service.

Each blade in sheath in an envelope.



Packages held in chutes on back of easel-back lithographed display stand 10 $\frac{1}{4}$ x12 $\frac{1}{4}$ inches.

20 Packages of 5 Blades

KR 94C—Weight per card 1 $\frac{3}{4}$ lbs.
Per Package \$0.29



Packages securely held by oblong cut-outs on easel-back lithographed display stand 8x13 inches.

10 Packages of 5 Blades

KR 95C—Weight per card 1 lb..... Per Package \$0.29

Packages of 5 Blades

Each package glassine covered.

KR 94—Weight per box $\frac{1}{2}$ lb.
Per Package \$0.29

Twenty packages (100 blades) in a carton.



SINGLE EDGE



STAR—SUPER EDGE

For Ever-Ready and all Gem Razors.

Sturdy, substantial and durable—high-grade steel, finely tempered, with sharp Super-Edge. Steel reinforced.

Each blade in a sheath and envelope, four blades in a package.

Packages mounted on lithographed heavy cardboard easel display card.

24 Packages of 4 Blades

KB 310S—Weight per card 2 lbs..... Per Package \$0.10

One card in a carton.

DOUBLE EDGE

NEW PROBAK

For All Gillette Safety Razors

Highest grade razor steel, specially tempered, sharpened and honed.

Each blade in a moisture-proof wrapper, each package glassine covered.

Packages of 5 Blades

KY 5PB—Weight per carton or card $\frac{1}{2}$ lb. Per package \$0.25

20 packages in a carton, or on display card.

Packages of 10 Blades

KY 10PB—Weight per carton $\frac{3}{4}$ lb..... Per package \$0.49

Ten packages in a carton.



PROBAK JUNIOR

For All Gillette-Type and Probak Razors

Sharp, quick-shaving blades made of highest grade razor steel, tempered, sharpened and honed. Each blade is wrapped in sanitary moisture-proof wrapper—4 blades in a package.

Deal consists of five attractive hang-pattern display cards, 10 packages on each card, secured to card by cut-out tongue. Display cards 4x14 $\frac{1}{2}$ inches.

50 Packages of 4 Blades (200 Blades)
KB 61—Weight per deal $\frac{1}{2}$ lb..... Per package \$0.10

Each card in a sheath, five cards in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SAFETY RAZOR BLADES—Shave You Perfectly, Give Longer Service!

DOUBLE EDGE

KEEN KUTTER

For All Gillette-Type Safety Razors

- Shaves you quickly and smoothly—easy on the face, no pulling.



Depend on these uniformly made blades and you'll always get perfect shaving results. They're made of the finest Swedish steel, scientifically tempered, ground and sharpened to give greatest shaving satisfaction.

Each blade is wrapped in moisture-proof paper and packed in a paper envelope—5 blades in a package.

The blades are put on an attractive display stand, that is in keeping with the excellent quality of the blades. Packages secured to stand by slipping back of package over died-out tongue—easily removed. Display 14 inches high by 11 inches wide.

KB K510/25—25 packages of 5 blades...Per pkg. \$0.10

KB K510/20—20 packages of 5 blades...Per pkg. .10

Weight per card 1 lb.
One card in a carton.

GILLETTE BLUE

- "Cut-out" corners prevent "razor pull", shave easily.
- Highest grade blade steel, blued finish, with bright, sharp edges—shave smoothly and quickly.
- Each blade wrapped in moisture-proof paper, and in blue wrapper—in Cellophane-covered carton.

Packages of 5 Blades

KY GB5—Weight per carton
¾ lb.....Per Package \$0.25

Twenty packages in a carton. Also ten packages on display card, two cards in a carton.

Packages of 10 Blades

KY GB10 — Weight per carton ½ lb.
Per Package \$0.49

Ten packages in a carton.

New processed steel—rust-resisting.

Packages of 5 Blades

KY 93—Weight per carton
¾ lb.....Per Package \$0.25

Twenty packages in a carton, or twenty packages on a display card, or two display cards of ten packages each.

Packages of 10 Blades

KY 92—Weight per carton ½ lb.
Per Package \$0.49

Ten packages in a carton.



DOUBLE EDGE

SIMMONS BLUE

For All Gillette-Type Safety Razors



A double-value in smooth shaving. These finest quality chrome steel blades are scientifically tempered, expertly ground and sharpened, perfectly honed and stropped to give the best in shaving efficiency.

Each blade is wrapped in moisture-proof paper and enclosed in paper envelope—5 blades in a package.

Packages secured to brightly-colored display card by slipping back of package over died-out tongue—easily removed.

25 packages of 5 blades.

KB S135—Weight per card 1 lb.....Per package \$0.10

GEM MICROMATIC

For Gem Micromatic safety razors only.

Give you real shaving comfort because these keen, uniform blades are made of surgical steel, tempered to take an extraordinarily keen edge.

The Gem dual alignment feature always keeps the blade in perfect alignment with the razor frame.

The edges are numbered 1 and 2 so that the user can keep track of which side is being used and get the full life from each edge. While one edge is in use, the other is fully protected.

Each blade in an envelope, five in a glassine covered package.



Packages mounted on attractive easel back lithographed display stand 8 3/8 x 15 1/8 inches.

10 Packages of 5 Blades

KY 10GDE—Weight per card 1 ½ lbs.Per Package \$0.49

WINDSOR

For all Gillette-type safety razors.

Makes shaving a pleasure. Gives a quick, clean shave. Finest Swedish steel blade, tempered, sharpened and honed.

Each blade is wrapped in waxed paper and in an envelope. 3 in a package. Packages mounted on attractive display card 11x13 inches.

24 Packages of 3 Blades

KB 24WB—Weight per card 1 lb.....Per Package \$0.10

One card in a carton.



Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SAFETY RAZOR BLADES



DURHAM-DUPLEX

Long, strong and keen.

Finest grade steel, correctly tempered, hollow ground. Perfectly honed and hand stropped.

Blades packed on tabbed folder which protects the edges, sealed in moisture-proof paper—five in a package.

20 Packages of 5 Blades

KY 96—Weight per box 1 lb.....Per Package \$0.49

In lithographed cardboard display boxes.

TWINPLEX STROPPERS

Honing and stropping a dull blade with a Twinplex stropper restores that keen cutting edge which is absolutely necessary for a smooth, clean shave.

It's easy . . . simple! Just place the blade in the holder and turn the crank. Specially prepared leather stropper rollers sharpen both edges at the same time. The blade automatically reverses at every turn, stropping both sides in one operation.



BLACK BEAUTY

—With Hone Attachment

High grade Twinplex hone conveniently fitted into lid which enables honing before stropping.

Sturdy and attractively made with black crystalline case. Stainless steel ends and

lid. Disappearing crank handle. Complete in a modern zipper case of genuine morocco; 3½x3¼x2¼ inches.

KB GXH—Weight each 1 lb.....Each \$3.75

ANNIVERSARY—With Hone Attachment

High grade Twinplex hone conveniently fitted into lid which enables honing before stropping.

Aluminum colored case, with shiny black ends and lid, rust-resisting. Fixed crank handle, with black enameled grip—easy to turn.



KB G50H—Weight each ¾ lb.....Each \$2.00

BLACK AND TAN—Without Hone

Enameled finish, attractive tan with shiny black sides. Fixed crank handle with black enameled grip—easy to turn.

KB G100—Weight each ¾ lb.....Each \$1.25



One in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

AUTOMATIC STROPPERS



KEEN KUTTER

For KEEN KUTTER single edge safety razor only.

Here's a remarkable stropper that will bring back the original sharpness

to your KEEN KUTTER safety razor blades and enable you to get the most out of them.

Highly polished nickel-plated all-metal frame, 2¼ inches long and 1¼ inches wide. Automatic action—the table back holds the stop taut, so that blade edge cannot turn while being stropped.

Strop is made of finest horsehide, steel blue finish. Nickel-plated swivel and cord hanger. Fashioned handle with eyelet in end of strop to prevent frame from becoming detached. Length 15 inches, width 1½ inches.

KB K600—Weight per dozen 3 lbs.....Each \$0.98

One in a box; one-half dozen in a carton.

SAFETY RAZOR BLADE STROPS

Single—For safety razors and stropping machines

KEEN KUTTER



Genuine shell cordovan horsehide. Finishing side black color, hand finish. Sharpening or hon-

ing side special Carborundum canvas grain. Cord hanger. Length 15 inches, width 1½ inches.

KB K6—Weight per dozen 1 lb.....Each \$0.49

One dozen in a carton.

SAFETY RAZOR HONES

TWINPLEX



Easy to use—a few strokes under slight pressure of the finger gives the blade a smooth, sharp edge. Hone is firmly secured to steel back.

KB 1—Weight each 1 ounce.....Each \$0.75

Packing—bulk.

CARBORUNDUM CO.'S ALOXITE BRAND

For sharpening double edge or single edge safety razor blades.

Combines a velvety smoothness with a speed of cut that gives the blade a keen, smooth, non-pulling edge.

Made of aluminum oxide, a manufactured powdered abrasive, uniform in grade and texture and scientifically honed to combine qualities of smoothness and fast cutting.

Blades are sharpened quickly and easily by following the simple directions furnished with each hone.

Size 2¼x1¼ inches.

KB 45—Weight per dozen 2 lbs.....Each \$0.50

One in an attractive box; one-half dozen in a carton.

KEEN KUTTER RAZORS

If you like to shave with a long, keen blade and like the feel of tempered, fine steel, get yourself one of these quality razors. Blades are highest grade razor steel, uniformly tempered, carefully ground and tested, honed ready for use, with file tang and easy-to-grip handles.



White celluloid handle. Full concaved blade, hollow ground, etched in gold, full crocus polished. Blade $\frac{5}{8}$ inch wide.

KB K746S—Square point.....Each \$2.75



Plain black rubber handle. Full concaved blade, with KEEN KUTTER trade mark etched in gold, full crocus polished. Quill (or round) back. Blade $\frac{5}{8}$ inch wide.

KB K10—Square point.....Each \$2.25

KB K11—Round end.....Each 2.25



White celluloid handle with the words KEEN KUTTER stamped in red letters on front. Full hollow ground blade, with trade mark KEEN KUTTER etched in gold, full crocus polished. Blade $\frac{5}{8}$ inch wide.

KB K743 $\frac{5}{8}$ SP—Square pointEach \$2.25

Weight per dozen 2 lbs.
One-half dozen in a carton.



Plain black rubber handle. Three-quarter concaved blade, etched in gold, highly polished. Blade $\frac{5}{8}$ inch wide.

KB K44 $\frac{5}{8}$ S—Square point..Each \$1.50



ROYAL

Sharp three-quarter concaved blade, etched in gold, highly polished. Blade $\frac{5}{8}$ inch wide.

KB K419 $\frac{5}{8}$ S—Square point..Ea. \$1.75

KB K419 $\frac{5}{8}$ R—Round end..Each 1.75

Weight per dozen 2 lbs.
One-half dozen in a carton.

SIMMONS RAZORS

High grade razor steel blades—with light weight black rubber handle . . . file tang.



SIMMONS BARBERS' PET

Full Concaved

Smooth shaving razor, an excellent value at the price. Blade $\frac{5}{8}$ inch wide.

KB S421 $\frac{1}{2}$ S—Square point..Each \$1.95

KB S421 $\frac{5}{8}$ S—Square point..Each 1.95

KB S421 $\frac{5}{8}$ R—Round end....Each 1.95



SIMMONS

Full Concaved

Trade name stamped on handle in gold. Blade $\frac{5}{8}$ inch wide.

KB S613—Round point.....Each \$1.49

Weight per dozen 2 lbs.
One-half dozen in a carton.

KEEN KUTTER

has more and finer friends than other brands.

EVER-READY SHAVING BRUSHES

Set in rubber—bristles can't come out



Pure badger cased blended bristles.

Assorted colored celluloid ferrules. White celluloid handles.

Stock exposed 2 $\frac{1}{2}$ inches. Diameter at ferrule $\frac{1}{4}$ inch. Length over all 4 $\frac{1}{4}$ inches.

KB 100N—Shaving Brush Deal—Weight per dozen 4 lbs.
Each \$1.00



Badger - like blended bristles.

Assorted colored celluloid ferrules and handles.

Stock exposed 2 $\frac{1}{2}$ inches. Diameter at ferrule $\frac{3}{8}$ inch. Length over all 4 $\frac{1}{4}$ inches.

KB 75J—Shaving Brush Deal—Weight per dozen 3 lbs.
Each \$0.75

One-half dozen on an attractive counter display stand.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

EVER-READY SHAVING BRUSHES

Set in rubber—bristles can't come out

- Popular, quick lathering shaving brushes.
- Each brush carries a lifetime service guarantee—for complete satisfaction.
- Triple-sterilized, with knots carefully domed for lathering in a few seconds.
- Knots are set in base of flint-hard rubber.



Finest quality pure badger hair. Beautiful white celluloid ferrule and mottled jade catalin handle. Stock exposed 2 inches. Diameter at ferrule $\frac{1}{2}$ inch. Length over all $4\frac{1}{2}$ inches.

KB 500E—Weight per dozen
2 lbs.....Each \$4.95



Extra fine pure badger hair. White celluloid ferrule and handle. Stock exposed 2 inches. Diameter at ferrule $\frac{1}{2}$ inch. Length over all $4\frac{1}{2}$ inches.

KB 302A—Weight per dozen
2 lbs.....Each \$2.95



Pure badger hair. Assorted colored celluloid ferrules, white celluloid handle. Stock exposed 2 inches. Diameter at ferrule $\frac{1}{2}$ inch. Length over all $4\frac{1}{2}$ inches.

KB 151A—Weight per dozen
 $2\frac{1}{2}$ lbs.....Each \$1.49



Extra fine pure badger hair. Black band on white celluloid ferrule. White celluloid handle. Stock exposed $2\frac{1}{2}$ inches. Diameter at ferrule $\frac{1}{2}$ inch. Length over all $4\frac{1}{2}$ inches.

KB 400E—Weight per dozen
2 lbs.....Each \$3.95



Extra fine pure badger hair. Blue celluloid ferrule, white celluloid handle. Stock exposed $2\frac{1}{2}$ inches. Diameter at ferrule $\frac{5}{8}$ inch. Length over all $4\frac{1}{2}$ inches.

KB 251A—Weight per dozen
2 lbs.....Each \$2.47

One in an individual presentation box.



BARBER'S BRUSH

Fine quality white bristles. Black celluloid ferrule. Polished natural box-wood handle. Stock exposed $2\frac{3}{8}$ inches. Diameter at ferrule $\frac{1}{2}$ inch. Length over all $4\frac{1}{2}$ inches.

KB 1BB—Weight per dozen
2 lbs.....Each \$0.69

One dozen in a carton.



Large white bristle knot with badger-like blended casing. Assorted colored lacquered wood ferrules and handles. Stock exposed 2 inches. Diameter at ferrule $\frac{3}{4}$ inch. Length over all $4\frac{1}{2}$ inches.

KB 25J—Weight per dozen
1 lb.....Each \$0.25

One-half dozen in a carton.



Extra fine pure badger hair. White celluloid ferrule and handle. Stock exposed $2\frac{1}{2}$ inches. Diameter at ferrule $\frac{1}{2}$ inch. Length over all 4 inches.

KB 351A—Weight per dozen
2 lbs.....Each \$3.49



Fine pure badger hair. White celluloid ferrule and handle. Stock exposed $1\frac{3}{4}$ inches. Diameter at ferrule $\frac{3}{4}$ inch. Length over all $3\frac{3}{4}$ inches.

KB 202A—Weight per dozen
1 $\frac{1}{2}$ lbs.....Each \$1.95

One in an individual presentation box.

One in an individual presentation box.



Large white bristle knots with badger-like blended casing.

Assorted colored celluloid ferrules. White celluloid handles.

Stock exposed 2 inches. Diameter at ferrule $\frac{1}{2}$ inch. Length over all $4\frac{1}{2}$ inches.

KB 50HJ—Shaving Brush Deal
—Weight per dozen $2\frac{1}{4}$ lbs.
Each \$0.50



Large white bristle knots with badger-like blended casing.

White ferrules.

Assorted light blue and red lacquered wood handles.

Stock exposed $2\frac{1}{2}$ inches. Diameter at ferrule $\frac{7}{8}$ inch. Length over all $4\frac{1}{2}$ inches.

KB 35—Shaving Brush Deal—
Weight per dozen 2 lbs.
Each \$0.35

One-half dozen on an attractive counter display stand.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

RAZOR STROPS—Sharpen Your Razor to a Perfect Edge!

- Sharpens edges uniformly, insures a clean, smooth shave, an edge that will not irritate your skin.
 - Easy to use—just a few strokes of the blade on the strop and your razor is ready for use.
- These strops, designed for personal and professional use, are expertly made of high-grade materials.

KEEN KUTTER



Professional combination—double swing

The kind barbers use. Finishing side heavy selected shell horsehide, mahogany color face with red Russia finish back. Sharpening side white whale finish. Embossed in gold. Heavy nickel-plated tip, swivel and snap hanger. Length 24 inches, width 2½ inches.

KB K94—Weight per dozen 6 lbs.....Each \$2.75



Professional combination—double swing

Finishing side genuine shell horsehide, red color face and buff back. Sharpening side solid woven silk finish canvas. Embossed in gold. Black japanned swivel. Length 24 inches, width 2½ inches.

KB K85—Weight per dozen 6 lbs.....Each \$2.25

One in a carton.



Combination—double swing

Both sides leather. Finishing side heavy horsehide, maroon color. Sharpening side heavy horsehide, black London Grain finish. Full fashioned cut-out leather handles. Black japanned tip and swivel. Length 24 inches, width 2¼ inches.

KB K80—Weight per dozen 6 lbs.....Each \$1.49

One-half dozen in a carton.



Combination—double swing

Finishing side genuine horsehide, dark brown swaty color. Sharpening side genuine horsehide, black color canvas grain. Stitched fashion handle and tip. Embossed in silver. Nickel-plated swivel. Length 23 inches, width 2¼ inches.

KB S61—Weight per dozen 6 lbs.....Each \$0.98

One-half dozen in a carton.



Combination—double swing

Finishing side genuine shell horsehide, mahogany color face and buff back. Sharpening side solid woven canvas, dark brown swaty finish and color. Stitched fashioned handle and tip. Embossed in gold. Gold-plated swivel. Length 26 inches, width 2½ inches.

KB K81—Weight per dozen 6 lbs.....Each \$1.49

One-half dozen in a cardboard box.



Professional—single swing

Finishing side black silk shell horsehide. Sharpening side gray suede. Embossed in gold. Gilt eyelet with cord. Length 24 inches, width 2½ inches.

KB K711—Weight per dozen 6 lbs.....Each \$1.25

One in a carton.



Combination—double swing

Finishing side genuine horsehide, light brown swaty color. Sharpening side solid woven dark gray canvas. Stitched fashioned padded handle and leather tip. Embossed in silver. Nickel-plated swivel and loop. Length 21½ inches, width 2 inches.

KB K501—Weight per dozen 6 lbs.....Each \$0.98

One-half dozen in a carton.

SIMMONS BARBERS' PET



Combination—double swing

Finishing side genuine horsehide, maroon color. Sharpening side black finish cowhide. Nickel-plated swivel. Mottled green leather tips and fashioned handle. Length 21 inches, width 2 inches.

KB S11—Weight per dozen 6 lbs.....Each \$0.49

One-half dozen in a carton.

RAZOR HONES

KEEN KUTTER



Designed to keep the sharp edge on your straight razor. Used with oil or water. Extra fine quality. Guaranteed free from hard or soft veins. Length 5½ inches, width 2 inches.

KB K15—Weight per dozen 7 lbs.....Each \$0.85

One in a carton.

CARBORUNDUM BRAND

Fast-cutting—give a keen, lasting edge. Wet or dry, but use no oil. Extra fine, hand-washed silicon carbide powder. Every stone guaranteed perfect.



Size 4x2x¼ inches
KB 118S—Weight per dozen
5½ lbs.Each \$0.85

One in a carton.



Size 4x2x½ inches.
KB 103H—Weight per dozen
3¾ lbs.Each \$1.25

Size 4x1½x½ inches.
KB 102H—Weight per dozen
3 lbs.Each \$0.75

One in an imitation leatherette box.

USE

Polly Prim

HOUSEWARES

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SHAVING CREAM

WILLIAMS LUXURY

No Need for a Shaving Mug!

Just squeeze a small amount of shaving cream on the wet bristles of your brush or on your face. Then work it up quickly into a cooling, cleansing, lasting lather that soothes the skin.

Large size tube holds 4 ounces—5½ inches long, 1¼ inches in diameter. Patented hinged cap (anchor top), cannot be mislaid or dropped. Tube can be hung conveniently on a hook (included in each box).



KY 26—Weight per dozen
3 lbs. Each \$0.29

One in a box.

One-half dozen in a carton.

SHAVING SOAP



COLGATE'S BARBERS' BAR

Round cake to fit in shaving cup—2½ inches in diameter, 1 inch thick. Eight cakes to the pound.

KB 3 Each \$0.10



WILLIAMS' BARBERS' BAR

Round cake to fit in shaving cup. Cake 1½ inch thick, 2¾ inches in diameter. Ten cakes to the pound.

KB 12 Each \$0.10

Ten pounds in a wooden box.

USE

**KEEN KUTTER
SAFETY RAZOR
BLADES**

WIGDER NAIL FILES



PROFESSIONAL

Check these six points that make a superior file—recommended by professional manicurists. 1) Uniformly triple cut to file more quickly and smoothly. 2) Specially hardened for lasting sharpness. 3) Accurately tempered for flexibility. 4) Rustproof, natural steel finish surface with polished handle. 5) Improved cleaner point. 6) Professional length gives sweeping strokes for faster action.

KB 1068—Length, 8 inches. Weight per dozen ¾ lb. Each \$0.10

One on an attractive card; one dozen in a carton.

Rustproof, with even, fast cutting teeth. Fine grade steel, triple cut, with improved cleaner point.



Length 4 inches, with genuine leather sheaths.

KB 9100 Each \$0.10



Assorted lengths—four each 4½, 5 and 5½ inches.

KB 9103 Each \$0.10

One dozen on an attractive easel back display card; each card in an envelope. Weight per dozen ¼ lb.

FORGED STEEL TWEEZERS

WIGDER



You can keep your eyebrows smooth and well groomed with very little effort and time spent. The "lock-grip", a distinctive Wigger feature, prevents the jaws of the tweezer from shifting. The jaws are raised and doubly serrated to assure the lock-grip. Made of rust-proof forged steel. Length 2½ inches. Four each slant, pointed, and medium square jaws.

KB 9590—Weight per dozen
¼ lb. Each \$0.10

One dozen on an attractive easel back display card; each card in an envelope.

TOE NAIL CLIPPERS

WIGDER



Easy to use! Clips straight, as recommended by chiropodists, preventing ingrown toe nails. The slanted jaws give clear vision in clipping nails neatly. High carbon steel, hardened and tempered. The jaws are accurately ground to clip evenly and cleanly. Rustproof. Length 4 inches. Sharp double cut nail file on back of lever handle.

KB 8333—Weight per dozen
2½ lbs. Each \$0.50

One-half dozen on easel back display card; each card in an envelope.

**KEEN KUTTER
BETTER TOOLS FOR
BETTER WORK**

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

NAIL NIPPERS LA CROSS

- Quality materials, precision, and durability demanded by professionals.
- High grade forged steel, hardened and tempered . . . full nickel plated with embossed handles.
- Polished concave tempered jaws, accurate and keen cutting, with pointed tip.



With special quick-acting Volute spring. Convenient end catch for holding the nipper closed.
KB 1054 $\frac{1}{2}$ —Length 4 $\frac{3}{4}$ inches. Weight per dozen 2 $\frac{1}{4}$ lbs. Each \$1.85



Flat Spring Between Handles
KB 1066—Length 4 $\frac{1}{2}$ inches long. Weight per dozen 2 lbs. Each \$1.25



Flat Spring Between Handles
KB 1069—Length 4 $\frac{1}{4}$ inches. Weight per dozen 1 $\frac{1}{2}$ lbs. Each \$1.00

One in an envelope; one dozen in a carton.

POCKET NAIL CLIPS



WIDGER

Simple, practical, easy to use with either hand . . . it keeps your nails looking their best at all times.

High carbon steel, hardened and tempered . . . rust proof! Double cut nail file and cleaner point on the lever. Length 2 $\frac{1}{4}$ inches.

KB 9333—Weight per dozen 2 lbs. Each \$0.10

One dozen mounted on easel back display card. One card in an envelope.

STRAIGHTENING AND SHAMPOO COMBS

KENTUCKY MAID

Strong, Easy-to-Grip Combs That Will Last for Years. The comb section of these combs is 86% copper. The teeth are finely cut, while the non-turning core handle is a heavy steel rod with coiled wire grip. Handle nickel-plated.



Straight Comb

Nos.	RB 5	RB 7
Size Comb Section, Inches	3 $\frac{1}{2}$ x1 $\frac{1}{4}$	3 $\frac{3}{4}$ x1 $\frac{3}{8}$
Length Over All, Inches	9	10 $\frac{1}{2}$
Weight Per Dozen, Lbs.	4 $\frac{1}{4}$	7 $\frac{1}{4}$
Each	\$0.45	.65



Curved Comb

Nos.	RB 20	RB 51C
Size Comb Section, Inches	3x1 $\frac{1}{8}$	3 $\frac{1}{2}$ x1 $\frac{3}{8}$
Length Over All, Inches	8 $\frac{1}{2}$	10
Weight Per Dozen, Lbs.	4	7 $\frac{1}{4}$
Each	\$0.29	.59

One-half dozen in a carton.

CURLING IRONS

For Tight Curls and Smooth Marcel Waves



These curling irons are just the thing to have on hand for last minute, quick curling of straggling ends and loose curls.

Nickel-plated steel tongs, shanks and ferrules. Mahogany stained and polished wood handles. Pointed rod. Secured ferrules. Steel rivet at joint.

Nos.	RB 1	RB 2
Diameter Tongs, Inches	$\frac{3}{8}$	$\frac{1}{4}$
Length of Tongs, Inches	4	3 $\frac{1}{2}$
Length Over All, Inches	9 $\frac{1}{2}$	8
Weight Per Dozen, Lbs.	1 $\frac{1}{2}$	1 $\frac{1}{4}$
Each	\$0.15	.10

One dozen in a carton.

A
KEEN KUTTER
POCKET KNIFE
 Affords Easier, Cleaner Cutting;
 Long Lasting Edge and
 Long Service

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

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COMB ASSORTMENTS

- Popular Lapin combs, neatly displayed on easel counter cards . . . inviting reminders that extra combs are always needed. Choice of different colors to match dresser and vanity fittings.
- Made of a non-inflammable acetate material, smoothly finished and highly polished. All teeth are step-cut and grailed.



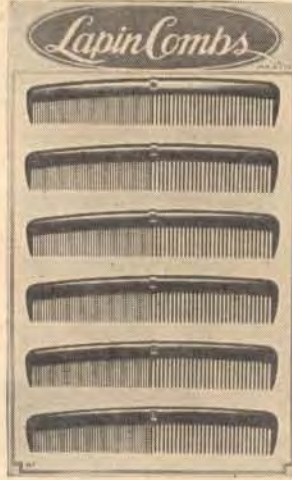
Dressing

Strong, heavy oval back, with coarse and fine teeth. Length 7½ inches, depth 1½ inches.

Assorted Colors.

KB 160A—Weight per dozen
¾ lb. Each \$0.19

One-half dozen on a display card.



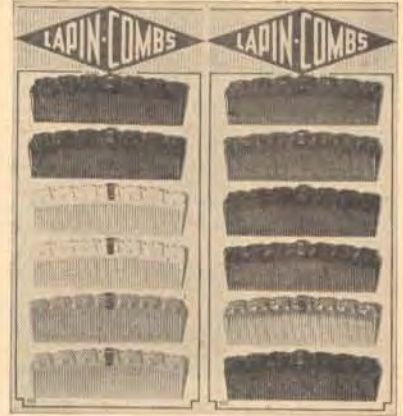
Men's Dressing

Buy two of these durable combs—one for his dresser and one for his traveling bag. With coarse and fine teeth, heavy oval back.

Length 7 inches, depth 1¼ inches. In black only.

KB 156—Weight per dozen
¾ lb. Each \$0.19

One-half dozen on a display card.



Bobby

Dainty combs with a novelty elephant chain design across the back. With uniform medium fine teeth. Length 4½ inches, depth 1¾ inches. In assorted colors.

KB 163—Weight per dozen
¾ lb. Each \$0.10

One dozen on a display card.



Pocket Size, With Clip

Men, the handy clip keeps you from losing one of these combs out of your coat pocket. Coarse and fine teeth, oval back. The clip is polished steel. Length 5 inches, depth 1½ inches. In assorted colors.

KB 172A—Weight per dozen
¾ lb. Each \$0.05

One dozen on a display card.



Pocket Type

Small, sturdy combs that will easily slip into a purse or a man's inside pocket. With coarse and fine teeth, oval back. Length 5 inches, depth 1½ inches. In assorted colors.

KB 158A—Weight per dozen
¾ lb. Each \$0.05

One dozen on a display card.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

"Kiss O'Love" Preparations—For Every Need

Save on These Cosmetics and Toiletries! High Quality at One Low Price!

10¢ Each

HAND LOTIONS



ROSE WATER AND GLYCERINE

Just a few drops used after dishwashing and household duties will keep your hands soft and pretty. In 3½-ounce bottle.

KB 099—Weight per dozen 6½ lbs. Each \$0.10

ALMOND LOTION

A favorite lotion for keeping hands smooth. In 3½-ounce bottle.

KB 0910—Weight per dozen 6½ lbs. Each \$0.10



BENZOIN AND ALMOND LOTION

Smooth this lotion on your hands to keep them soft and lovely. In 3½-ounce bottle.

KB 0911—Weight per dozen 6½ lbs. Each \$0.10



NAIL POLISH

Keep your nails well groomed at all times.

KB 0947N—Natural Each \$0.10

KB 0947R—Rose Each .10

Weight per dozen bottles 1½ lbs.

NAIL POLISH REMOVER

KB 0948—Weight per dozen bottles 1½ lbs. Each \$0.10



PERFUME

VIOLET

A fragrant perfume in a pretty container for her dresser top perfume tray.

KB 0912—Weight per dozen 1 lb. Each \$0.10



FACE CREAMS

COLD CREAM

A penetrating cold cream that can be used for cleansing or over-night application. Keeps your skin smooth. In 3-ounce jar.

KB 096—Weight per dozen 6 lbs. Each \$0.10



LEMON CREAM

A modernized formula of the old-fashioned lemon cream that has been a favorite for many years. In 2-ounce jar.

KB 098—Weight per dozen 5 lbs. Each \$0.10



PEROXIDE VANISHING CREAM

Used as a powder base, it makes the powder cling for hours and protects your skin from wind and sunburn. In 3-ounce jar.

KB 097—Weight per dozen 7 lbs. Each \$0.10



COSMETICS

ROUGE

In bright, pleasing shades that look natural on the cheek. Flat, easy-to-open case with hinged top and mirror, inside puff.

KB 0925L—Light Each \$0.10

KB 0925M—Medium Each .10

Weight per dozen 8 oz.



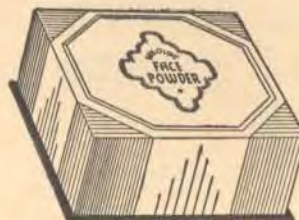
LIPSTICK

Goes on easily and evenly. In a handy case with lever for pushing the lipstick out and in.

KB 0924D—Dark Each \$0.10

KB 0924L—Light Each .10

Weight per dozen 8 oz.



FACE POWDER

Soft, clinging face powder, faintly perfumed. In handy cellophane window box.

KB 0923B—Brunette Each \$0.10

KB 0923F—Flesh Each .10

Weight per dozen 2½ lbs.

ALL ITEMS SOLD ONLY IN DOZEN UNITS.

One dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

"Kiss O'Love" Preparations—For Every Need

Save on These Cosmetics and Toiletries! High Quality at One Low Price!

10c Each

TOOTH PASTE



Will whiten teeth and strengthen soft gums. Generous tube.

KB 0951—Weight per dozen 2 lbs..Each \$0.10



The popular Milk of Magnesia tooth paste in a jumbo size tube... a bargain at the price.

KB 0950—Weight per dozen 2½ lbs..Each \$0.10

TOOTH BRUSH



Strong, tightly set bristles for thorough

cleaning and long use. In assorted colors, cellophane wrapped.

KB 0102—Weight per dozen 7 ozs.....Each \$0.10

MOUTH WASH



A handy bottle of astringent, also good for gums and to ward off colds starting with just a minor sore throat. In 4-ounce bottle.

KB 0941—Weight per dozen 7½ lbs.Each \$0.10

MOUTH WASH ANTISEPTIC



An antiseptic mouth wash, 28% alcohol. In 4-ounce bottle.

KB 0937—Weight per dozen 7½ lbs.Each \$0.10

RUBBING ALCOHOL



Help rheumatic pains and sore muscles by a good rubbing with this alcohol compound.

In handy 4-ounce size for the medicine shelf or for traveling.

KB 0920—Weight per dozen 7 lbs.Each \$0.10

SOLD ONLY IN DOZEN UNITS.

One dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SHAVING CREAM



Cool and soothing after shaving. Mentholated shaving cream in a jumbo size tube.

KB 0949—Weight per dozen 2 lbs..Each \$0.10

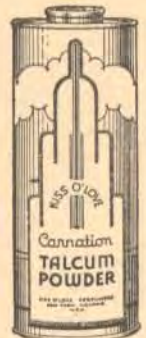
SHAVING LOTION



A refreshing after-shaving lotion. Buy this 3-ounce bottle now and have it on hand. Sprinkler top bottle.

KB 0918—Weight per dozen 6½ lbs.Each \$0.10

TALCUM POWDER



Fine light talcum for a face or dusting powder. And soothing after shaving!

KB 0927X—Sweet Pea. 13-ounce can.....Each \$0.10

KB 0927—Carnation. 7-ounce can.....Each .10

RUBBING ALCOHOL COMPOUND

K-O-L



Used for relief of muscle soreness, swelling, as a rubdown to stimulate circulation.

Made strictly in accordance with the requirements of the U. S. Government for rubbing alcohol compound.

In 16-ounce bottle.

KB 25—Weight per dozen 24 lbs.Per Bottle \$0.19

One dozen in a case.

SOLD ONLY IN DOZEN UNITS.

One dozen in a carton.

"Kiss O'Love" Preparations—For Every Need

10c Each

Save on These Cosmetics and Toiletries! High Quality at One Low Price!

PREPARATIONS FOR THE HAIR



COCONUT SHAMPOO

Good, thorough cleansing shampoo. Makes the hair soft and glossy. In 3-ounce round bottle.

KB 0915—Weight each 6½ lbs.....Each \$0.10



TAR SHAMPOO

Used for excessively oily hair and dandruff. It is easy to use and gives you cleaner, healthier hair. In 3-ounce round bottle.

KB 0914—Weight per dozen
6½ lbs.Each \$0.10



QUININE HAIR TONIC

For reconditioning the scalp and hair. In 3-ounce round bottle.

KB 0916—Weight per dozen
6½ lbs.Each \$0.10



WAVE SET

Keep in step with the vogue for beauty—with your hair in soft waves, high combed rolls and curls, easily fixed by yourself with wave set. In large 6-ounce "special grip" bottle with comb-width mouth.

KB 0917—Weight per
dozen 10 lbs.....Each \$0.10



BAY RUM

An excellent hair tonic. Used for falling hair or hair dried out by the sun. In 4-ounce round bottle.

KB 0919—Weight per dozen
7½ lbs.Each \$0.10



HAIR OIL

For dry, frizzy hair or unruly locks that are hard to keep in place.

Not sticky or gummy. In 3-ounce round bottle.

KB 2928R—RedEach \$0.10

KB 0928—AmberEach .10

Weight per dozen 6 lbs.



HAIR DRESSING

A quality hair dressing for men. White with opopanax odor.

KB 0913—Weight per
dozen 4 lbs.....Each \$0.10



LIQUID BRILLIANTINE

Gives a gloss to your hair that helps to make it look healthy, young and attractive. Just a drop or two is needed. In 2-ounce bottle.

KB 0921—Weight per dozen
6 lbs.Each \$0.10



SOLID BRILLIANTINE

For traveling, especially, this solid brilliantine is handy to put into the side pocket of your handbag without fear of spilling. In 2-ounce jar.

KB 0922—Weight per dozen
4½ lbs.Each \$0.10

SOLD ONLY IN DOZEN UNITS.

One dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

TOILET PREPARATIONS

GENUINE BLACK AND WHITE

Help to keep you well-groomed and improve your appearance. Generous size packages at economical prices.

SKIN SOAP



For removing dust, grime and oily secretions before applying ointment or bleaching cream.

A fine, super-fatted soap, with excellent cleaning qualities, splendid to use as regular toilet soap.

KB 5290—Weight per dozen 2¾ lbs.....Per Cake \$0.29



CLEANSING CREAM

A soft, melting pure cream for use in removing make-up, grime and dead surface cells. In 2¼-ounce wide mouth opal jar with double shell cap.

KB 5063—Weight per dozen 5 lbs.....Per Jar \$0.29

One dozen in a carton.



COLD CREAM

(Tissue)

Helps to keep the skin smooth and soft.

A fine cream composed of rich oils to supplement the natural oils in instances of "dry skin." In 2¼-ounce, wide mouth opal jar with double shell cap.

KB 5072—Weight per dozen 5 lbs.....Per Jar \$0.29

One dozen in a carton.



VANISHING CREAM

(Peroxide)

An excellent foundation to give the skin a smoother appearance and cause make-up to cling longer. In a 2¼-ounce wide mouth opal glass jar with double shell cap.

KB 5212—Weight per dozen 5 lbs.....Per Jar \$0.29

One dozen in a carton.



BLEACHING CREAM

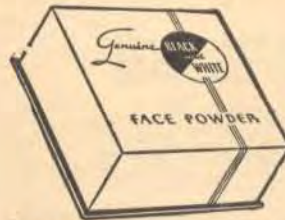
Medium

Lightens freckles and suntan.

A pure, white exfoliative cream, that helps to make your skin lily white. In attractive ½-ounce opal vanity jar.

KB 5022—Weight per dozen 4½ lbs.....Per Jar \$0.29

One dozen in a carton.



FACE POWDER

A fine quality face powder. Popularly known as "Magic Mist." Goes on smoothly, stays on for hours.

Contents 2 ounces.

Nos.	Shades	Per Box
KB 5082	Flesh	\$0.29
KB 5112	Brunette	.29

One dozen in a carton; weight per dozen 2¼ lbs.
Twelve dozen in a case.



MOGRO HAIR DRESSING

A very popular hair dressing. Gives the hair a longer appearance—as it keeps curly, wiry hair straight after dressing. A fine quality at a low price.

Contents 1½ ounces.

KB 541—Weight per dozen 2½ lbs.....Per Bottle \$0.39

One dozen in a box.



PLUKO HAIR DRESSING

A high quality amber color hair dressing. Keeps the hair in place and gives it that lovely sheen everyone admires.

Contents 6 ounces.

KB 522—Weight per dozen 5¾ lbs.
Per Can \$0.29

One dozen in a carton.



WHITE PETROLEUM JELLY MOROLINE

Use for burns, cuts and bruises, to relieve pain. Also as a dressing for excessively dry hair.

In distinctive glass jars with lithographed caps.

KB 2211—No. 2 size jars. Weight per dozen 4 lbs.....Per Jar \$0.05

One dozen in a counter display container. Three dozen in a case.

KB 2213—No. 6 size jars. Weight per dozen 9½ lbs.....Per Jar \$0.10

One dozen in a case.



OINTMENT

Use as an antiseptic dressing for externally caused pimples, and to relieve the itching, burning and soreness of eczema and simple ringworm.

Contents 200 grains.

Should be kept in your medicine chest at all times. Small size.

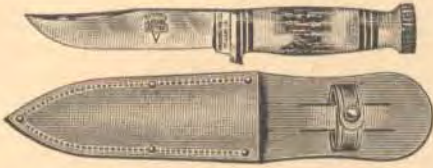
KB 5202—Weight per dozen 1 lb.....Per Can \$0.29

One dozen in a carton.

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KEEN KUTTER HUNTING KNIVES

There are no finer hunting knives made than these sturdy, keen edged knives. The blades are sharp and strong—made of highest quality special analysis heavy steel, full mirror polished.



Years of service for the expert hunter who appreciates quality and craftsmanship.

Center of handle and knob one-piece genuine stag with colored fibre and brass washers. Polished aluminum guard. Tang extends entirely through handle and is secured by countersunk brass nut. Length of blade 5 inches, length over all 9 inches.

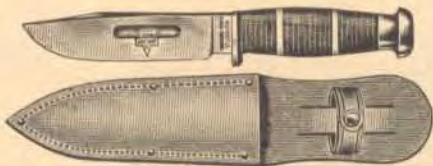
KB K565—Weight per dozen 5½ lbs.....Each \$2.75



Combination hunting and fishing knife with shaped swedge and scaler back blade.

Center of handle is ivory-like composition, with brass and colored fibre washers at each end. Polished aluminum guard and knob. Tang extends entirely through handle and is secured by countersunk brass nut. Length of blade 4½ inches, length over all 8¾ inches. Embossed sheath.

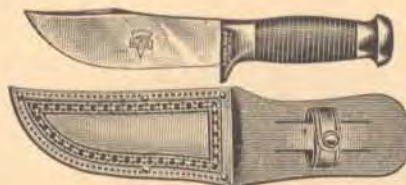
KB K460—Weight per dozen 5½ lbs.....Each \$2.25



With blood groove in blade to allow drainage without withdrawing knife.

Full length built-up leather and fibre washer handle, with polished aluminum guard and knob. Tang extends through handle and is securely locked by knob. Length of blade 5 inches, length over all 9 inches.

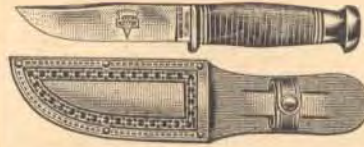
KB K35—Weight per dozen 4½ lbs.....Each \$1.95



Heavy built-up leather handle with solid cast aluminum polished guard and knob. Tang extends through handle and is secured by knob. Length of blade 4¾ inches; length over all 8½ inches. Embossed sheath.

KB K92—Weight per dozen 5½ lbs.....Each \$1.49

The handles are designed for a comfortable grip and a powerful stroke, with guards to prevent hand slipping toward the blade—the special construction keeps them from loosening. Every knife is complete with a genuine tan leather sheath to protect the blade and cover its sharp edge. With belt-hanging loop.

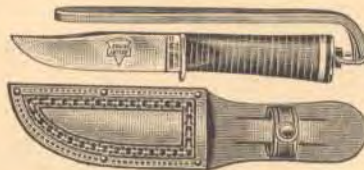


This strong blade is made of Chrome - Vanadium, heavy gauge steel, full mirror polished. Full length built-up leather handle, colored fibre and

brass laminated, with molded aluminum guard and knob.

Tang extends through handle and is secured by knob. Length of blade 4 inches, length over all 8 inches. Embossed sheath.

KB K395—Weight per dozen 3½ lbs.....Each \$1.49



Best quality built-up leather handle with red and white fibre end laminations. Nickel silver guard and end plate. Tang extends entirely through handle and is secured by lock ring. Length of blade

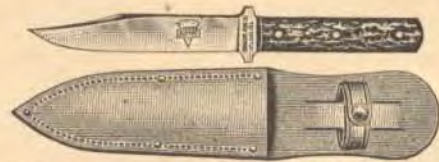
4 inches, length over all 7¾ inches. Eight-inch safety thong and embossed sheath.

KB K94—Weight per dozen 3½ lbs.....Each \$1.25



Checked black hard rubber handle, full pistol grip, with heavy brass double guard. Length of blade 5 inches, length over all 9½ inches.

KB K25—Weight per dozen 4 lbs.....Each \$1.19



Steel guards, full mirror polished. Full tang. Bone stag handle, fastened with three steel pins. Length of blade 5½ inches, length over all 9¼ inches.

KB K662—Weight per dozen 3½ lbs.....Each \$0.89



Full tang. White pearl celluloid handle with metal inlaid "KEEN KUTTER". Handle fastened with two steel pins. Length of blade 4 inches, length over all 7½ inches.

KB K8161—Weight per dozen 3½ lbs.....Each \$0.89

One-half dozen in a carton.

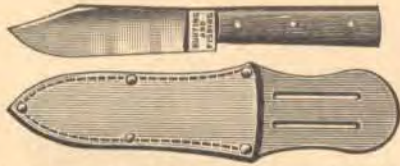
Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

HUNTING KNIVES



Sharp-edged blade of high carbon steel, finely tempered and full polished. Full tang. Fine bone stag handle, fastened with three steel pins. Nickel silver guard. Length of blade 4 inches, length over all 7½ inches. Complete with genuine tan leather sheath with loop and snap-fastener.

KB K66—Weight per dozen 3 lbs.....Each \$0.49

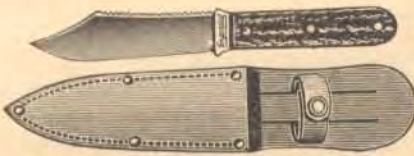


High grade steel clip point blade, full polished. Full tang; cocobolo handle, fastened with three brass pins. Length of blade 4½ inches, length over all 8 inches. Complete with russet leather sheath with belt loop.

KB 4299—Weight per dozen 3 lbs.....Each \$0.39

One-half dozen in a carton.

FOR HUNTING AND FISHING



IMPERIAL

High quality carbon steel blade, with clip point and notched back for scaling fish—full mirror polished. Full tang. Stag handle fastened with three steel pins. Length of blade 4¾ inches, length over all 8¾ inches. Complete with tan leather sheath with loop and snap-fastener.

KB 1908—Weight per dozen 2 lbs.....Each \$0.75

One dozen in a carton.

CAMPERS' OUTFITS

KEEN KUTTER



With Axe

This compact, lightweight set equips hunter, trapper and camper for any emergency.

Weights only 16½ ounces, complete at the belt.

Blades are of highest grade alloy cutlery steel, finely polished, with keen cutting edges. Handles are checkered black hard rubber, with full pistol grip for strong, steady strokes. The fine quality tan leather sheaths protect the blades and the wearer — so constructed and balanced that they can be carried as a unit, or separated and carried on opposite sides of the belt.

Knife—Length blade 5 inches. Heavy brass double guard. Length over all 9½ inches.

Axe—Head 3¾ inches long, 2¾ inches wide, and ¼ inch thick with heavy steel shank. Length over all 10¼ inches.

KB K225—Weight per dozen 1¼ lbs.....Per Set \$2.95

One set in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

OFFICIAL BOY SCOUT SHEATH KNIVES

REMINGTON

A gift that any Boy Scout would prize. It's the official Boy Scouts of America sheath knife.

Mirror polished steel blade is durable and sharp—edge hand honed. Nickel silver thumb guard. Tang extends through handle and is secured by countersunk brass nut. Official Boy Scout emblem is on blade and oak tanned leather sheath, that protects the blade and holds the knife by a loop and snap-fastener.



One-piece solid forged steel blade with heavy swage and file-cut back. Heavy built-up leather, brass, and black fibre handle. Hard cast aluminum knob. Length of blade 4½ inches, length over all 8½ inches.

Official Boy Scout emblem etched on blade, stamped on sheath.

KB RH50—Weight per dozen 6 lbs.....Each \$1.95

One in a cardboard box.
One-half dozen in a carton.



High grade, full-gauge steel blade. Laminated leather, aluminum, and fibre handle. Cast aluminum butt. Length of blade 4 inches, length over all 8 inches.

Official Boy Scout emblem etched on blade, imprinted on sheath.

KB RH51—Weight per dozen 3 lbs.....Each \$1.35

One-half dozen in a carton.

BOY SCOUT OUTFITS

COMBINATION SCOUT HUNTING KNIFE AND POCKET KNIFE

What a thrill for a Scout to get both the official sheath knife and pocket knife. Here's what he gets in this Scout outfit:



Boy Scout sheath knife (No. KB RH51). High grade, full-gauge mirror polished steel blade 4 inches long, edge hand honed. Nickel silver guard. Laminated leather, aluminum, and fibre handle. Cast aluminum butt. Tang of blade extends entirely through handle and is secured by countersunk brass nut. Official Boy Scout emblem etched on blade, imprinted on leather sheath. Length over all 8 inches. Complete with tanned leather sheath with loop and snap-fastener.

Boy Scout Knife (No. KB RS3333).

Stag handle, with milled center scale.

Four blades—large spear (etched with Scout Insignia), combination bottle opener and screw driver, can opener (all mirror finished) and patented leather punch (blued inside, polished back).

Nickel silver bolsters, emblem shield and shackle.

Brass lining.

Length 3¾ inches.

KB RS195—Weight per set 1 lb.....Per Set \$2.95

Packaged in red and gilt cardboard gift box with hinged cover, size 9¾x3½x1¾ inches.

One in a carton.

KEEN KUTTER "Hammer Forged" Quality Cutlery



"HAMMER FORGED"

Each bar of steel is heated in the forge, and then hammered into the proper thickness and shape for a knife. This gives that extra strength and edge-holding quality for which these "Hammer Forged" knives are justly famous. They are guaranteed both as to material and workmanship, recommended for professional, farm and home use.

How They Are Made

Illustrated below is a bar of steel, partly forged.



From single bars of high-grade crucible cutlery steel like this, the original Hammer Forged blades are forged.



They are shaped, tempered, and the lower portion of the blade is hand ground, under water, to a keen cutting edge.

The upper portion of the blade is left just as it comes from the forging operation. Cutting edge is polished. Black walnut handles with embossed and gold-filled lettering, secured to the tang with three large brass saw rivets.

SLICERS



Swaged Blades

Nos.	Each	Length Blade, Inches	Weight Per Dozen, Lbs.
KB K291	\$0.75	8	3½

LUNCH SLICERS

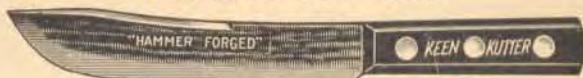


Swaged Blades

Nos.	Each	Length Blade, Inches	Weight Per Dozen, Lbs.
KB K292	\$0.65	7½	2

One-half dozen in a carton.

BUTCHER KNIVES



Swaged Blades

Nos.	Each	Length Blade, Inches	Weight Per Dozen, Lbs.
KB K2906	\$0.59	6	3¼
KB K2907	.69	7	4¼
KB K2908	.79	8	4½

SKINNING KNIVES



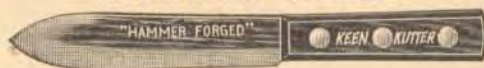
Nos.	Each	Length Blade, Inches	Weight Per Dozen, Lbs.
KB K294	\$0.65	5	3
KB K295	.85	6	3½

BONING KNIVES



Nos.	Each	Length Blade, Inches	Weight Per Dozen, Lbs.
KB K297	\$0.60	6	2¼

STICKING KNIVES



Nos.	Each	Length Blade, Inches	Weight Per Dozen, Lbs.
KB K296	\$0.60	6	3

UTILITY KNIVES



Swaged Blades

Nos.	Each	Length Blade, Inches	Weight Per Dozen, Lbs.
KB K1292	\$0.60	5¾	3

One-half dozen in a carton.

PARING KNIVES



Swaged blades 3 inches long. Assorted Clip and Wharncliffe patterns.

KB K293—Weight per dozen 1¼ lbs.....Each \$0.25

One dozen in an easel back cardboard display box.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER STAINLESS HOUSEHOLD CUTLERY

A Beautiful Household Cutlery—Cuts Cleanly and Easily.

- This handsome cutlery is fashioned by expert craftsmen and is noted for its keen cutting edge.
- Blades are high-grade, high-carbon stainless steel—cobalt and chromium in correct proportion—carefully hardened, tempered, ground and hand honed, and polished to a beautiful full mirror polish.
- The handles are genuine rosewood, polished and fastened to the tang of the blade by two nickel silver telescope rivets.

BUTCHER KNIVES



Nos.	Each	Length Blade, Inches	Weight Per Dozen, Lbs.
KB K500/6	\$0.75	6	2 $\frac{3}{4}$
KB K500/7	.85	7	3

SLICERS



KB K502—Length blade 8 inches. Weight per dozen 3 lbs. Each \$0.75

SLICERS OR COOKS' KNIVES



KB K508—Length blade 8 inches. Weight per dozen 3 lbs. Each \$0.75

One-half dozen in a carton.

PARING KNIVES



Assorted Blades—Clip and Sheepfoot

KB K505—Length blade 3 inches. Weight per dozen 1 lb. Each \$0.35

One dozen assorted blades in a carton.

GAME CARVING SHEARS



Highly Polished Stainless Steel

An excellent shears that makes game carving easy.

High-grade drop-forged steel. Lower blade has serrated edge and bone cutter. Quick-acting Volute spring. End clasp to hold shears closed. Genuine stag scale handle. Length 9 $\frac{1}{2}$ inches.

KB 7713—Weight per dozen 9 lbs. Each \$2.25

One in a carton.

A New

KEEN KOOKER

CAST IRON RANGE

Will Give You Better, Faster Cooking

UTILITY KNIVES



KB K504—Length blade 5 inches. Weight per dozen 2 lbs. Each \$0.50

SPATULAS



KB K507—Length blade 6 $\frac{1}{2}$ inches, 1 $\frac{1}{8}$ inches wide. Weight per dozen 2 $\frac{1}{2}$ lbs. Each \$0.75

COOKS' FORKS



KB K503—Length tine 2 $\frac{1}{2}$ inches, length over all 9 $\frac{1}{2}$ inches. Weight per dozen 2 $\frac{1}{2}$ lbs. Each \$0.75

One-half dozen in a carton.

GRAPEFRUIT KNIVES

The curved, serrated double-edge stainless steel blades will not rust or stain from fruit acids.

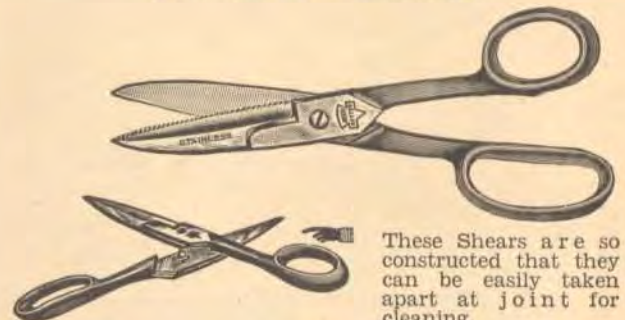
KB K506—Weight per dozen $\frac{3}{4}$ lb. Each \$0.39

One-half dozen in an easel back cardboard display box.



KITCHEN SHEARS

KEEN KUTTER—CLEANABLE



These Shears are so constructed that they can be easily taken apart at joint for cleaning.

This new and most practical shear meets the many odd requirements of the kitchen, such as cutting vegetables, fruits, fish, fowl, etc. The long shanks add great leverage and make hard cutting easy.

Forged steel handles, green enameled finish, with tough nickel-plated steel blades, one of which has a finely serrated file tooth edge to prevent slipping of article being cut; heavy steel bolt and nut at joint. Length 8 $\frac{1}{2}$ inches; cutting edge 3 inches long.

KB K5—Weight per dozen 6 $\frac{3}{4}$ lbs. Each \$1.00

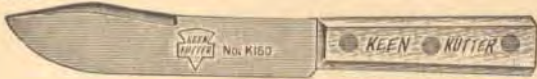
One in an individual cardboard box; one-half dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

BUTCHER KNIVES

KEEN KUTTER

High carbon steel blades, uniformly tempered, glazed finish. All full tang. Light beechwood handles secured to tang with brass saw rivets. These knives are made for heavy duty. The name **KEEN KUTTER** is stamped in the handle.



Nos.	Each	Length Blade, Inches	Weight Per Dozen, Lbs.
KB K160/6	\$0.35	6	3
KB K160/7	.45	7	3½
KB K160/8	.50	8	4
KB K160/10	.75	10	7
KB K160/12	1.00	12	8

SKINNING KNIVES



Nos.	Each	Length Blade, Inches	Weight Per Dozen, Lbs.
KB K163/5	\$0.45	5	2¾
KB K163/6	.50	6	3

STICKING KNIVES



KB K164—Blade 6 inches long; weight per dozen 3 lbs. Each \$0.35

BONING KNIVES



KB K162/6—Blade 6 inches long; weight per dozen 3¼ lbs. Each \$0.35

One-half dozen in a carton.

BUTCHER KNIVES



KEEN KUTTER

High carbon steel swaged blades, highly tempered and polished. Full tang. Easy-to-grip cocobolo handle with three brass saw rivets. Polished metal bolster.

Nos.	Each	Length Blade, Inches	Weight Per Dozen, Lbs.
KB K65/6	\$0.60	6	3
KB K65/7	.70	7	4
KB K65/8	.75	8	4½



KEEN KUTTER

High carbon steel swaged blade, mirror polished. Full tang. Polished genuine rosewood handle, with three brass saw rivets.

Nos.	Each	Length Blade, Inches	Weight Per Dozen, Lbs.
KB K760/6	\$0.49	6	3
KB K760/7	.59	7	3½
KB K760/8	.69	8	4

One-half dozen in a carton.

BUTCHER KNIVES



KEEN KUTTER

Highest grade stainless steel swaged blade, carefully ground and sharpened, full mirror polished. Full tang. Polished blackwood handle, with three nickel saw rivets.

Nos.	Each	Length Blade, Inches	Weight Per Dozen, Lbs.
KB K104/6	\$0.75	6	3
KB K104/7	.85	7	3½
KB K104/8	1.00	8	4



Good quality high carbon steel, glazed finish. Full tang. Beechwood handle with three steel pins.

Nos.	Each	Length Blade, Inches	Weight Per Dozen, Lbs.
KB 0396/6	\$0.19	6	3
KB 0396/7	.25	7	3½

One-half dozen in a carton.

STEAK KNIVES



KEEN KUTTER—PROFESSIONAL

An exceptionally high-grade knife, especially made for professional butchers' use, but excellent for the home as well.

Special alloy chrome tool steel, carefully hardened and tempered, with hand-honed edges. Genuine rosewood handle with heavy nickel silver rivets. Handle stamped "Keen Kutter Professional" in gold letters.

Length blade 12 inches. Length over all 17¼ inches. KB K912—Weight per dozen 7¾ lbs. Each \$2.25



KEEN KUTTER

High carbon steel curved blade, glazed finish. Scale tang. Beechwood handle, with three brass saw rivets.

Nos.	Each	Length Blade, Inches	Length Over All, Inches	Weight Per Dozen, Lbs.
KB K11/10	\$0.90	10	15¼	4¼
KB K11/12	1.00	12	17¼	5¼

One-half dozen in a carton.

HAM SLICERS

KEEN KUTTER



High carbon steel flexible blade, 10 inches long, ground very thin and highly polished. Half tang. Ebony handle, with two brass saw rivets. Metal bolster.

KB K55—Weight per dozen 2½ lbs. Each \$0.75



High carbon steel flexible blade, 10 inches long, ground very thin and highly polished. Scale tang. Cocobolo handle, with one large brass rivet and two brass pins. KB K52—Weight per dozen 3¼ lbs. Each \$0.50

One-half dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

Professional Packing House Knives

J. RUSSELL & CO. PROFESSIONAL PATTERN

Blades are hand forged from special formula high carbon crucible steel. They are hardened, tempered and ground on wet grindstones, then hand-honed to a keen edge. Fully warranted.

High-grade beachwood handles, natural finish, securely fastened to tang with steel pins.

BUTCHER KNIVES



Full Tang—Five Steel Pins

Nos.	Each	Length Blade, Inches	Weight Per Dozen, Lbs.
KB 012/6	\$0.60	6	3
KB 012/7	.70	7	3 1/4
KB 012/8	.85	8	4

SKINNING KNIVES



Full Tang—Five Steel Pins

Fitted with aluminum side guard endorsed and recommended by Liability Insurance Companies and Accident Prevention Committees.

KB 012SG—Blade 6 inches long. Weight per dozen 3 1/2 lbs. Each \$1.00



Full Tang—Five Steel Pins

KB 012SG—Blade 6 inches long. Weight per dozen 3 1/2 lbs. Each \$0.75

BONING KNIVES



Solid Handle—Two Steel Pins

KB 1012/6—Blade 6 inches long. Weight per dozen 3 lbs. Each \$0.60

BUTCHER KNIVES

JOHN WILSON PEPPERCORN AND DIAMOND BRAND PROFESSIONAL PATTERN

Anvil hand-forged special double shear steel blade. Hardened, tempered and ground by old-fashioned proven processes. Thoroughly seasoned solid beechwood handle. Each knife inspected, tested and fully warranted.



Half Tang—Five Steel Pins

Nos.	Each	Length Blade, Inches	Weight Per Dozen, Lbs.
KB 29/7	\$1.35	7	3 1/2
KB 29/8	1.75	8	4
KB 29/9	1.95	9	6

One-half dozen in a carton.

SIMMONS Household Cutlery

BUTCHER KNIVES



High grade stainless steel blade, mirror polished. Half tang. Cocobolo handle, fastened with two nickel-plated brass saw rivets.

Assortment of one dozen knives—three each with 6- and 8-inch blades and six with 7-inch blades.

KB S1401 1/2—Weight per assortment 2 3/4 lbs.

One assortment in a carton.

Separate Numbers

Nos.	Each	Length Blade, Inches	Weight Per Dozen, Lbs.
KB S1401 1/2 6	\$0.29	6	3
KB S1401 1/2 7	.33	7	3 1/2
KB S1401 1/2 8	.35	8	4

One-half dozen in a carton.

Choose a set of these trim knives with matched blackwood handles. Blades are high-grade carbon steel, finely tempered, sharpened and nicely finished. Two large brass telescope rivets fasten the handles securely to the tang. The name "SIMMONS" is stamped on the handle in gold.



Nos.	Each	Length Blade, Inches	Weight Per Dozen, Lbs.
KB S1500/6	\$0.25	7	2 3/4
KB S1500/7	.29	7	3
KB S1500/8	.35	8	3 1/4

SLICERS



KB S1502—Length blade 8 inches. Weight per dozen 3 lbs. Each \$0.35

UTILITY KNIVES



KB S1503—Length blade 5 1/4 inches. Weight per dozen 2 lbs. Each \$0.25

One-half dozen in a carton.

PARING KNIVES



Assorted Blades—Clip and Sheepfoot

KB S1505—Length blade 3 inches. Weight per dozen 1 1/4 lbs. Each \$0.15

One dozen (assorted blades) in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

**COOKS' KNIVES
KEEN KUTTER**



Blade, bolster and shank forged from high-grade cutlery steel. The blade is 12-gauge, carefully tempered, ground and polished to make a flexible knife with a sharp, durable edge. Full tang. Ebony handle with three large brass telescope rivets.

Nos.	Each	Length Blade, Weight Per	
		Inches	Dozen, Lbs.
KB K46/10	\$1.50	10	8½
KB K46/12	1.85	12	9



High carbon steel blade, uniformly tempered, flexible. Ground extra thin, glazed finish. Scale tang. Ebony handle with three nickel saw rivets.

Nos.	Each	Length Blade, Weight Per	
		Inches	Dozen, Lbs.
KB K10/6	\$0.50	6	2
KB K10/8	.75	8	4½
KB K10/10	1.00	10	6¼
KB K10/12	1.25	12	6½

One-half dozen in a carton.

**SLICERS OR COOKS' KNIVES
KEEN KUTTER**



High-grade stainless steel flexible blade, 8 inches long, full-mirror polished. Half tang. Shaped Blackwood handle, with two nickel-silver telescopic rivets.

KB K42—Weight per dozen 3 lbs.....Each \$0.75



High-grade, high carbon flexible steel blade 8 inches long, glazed finish. Half tang. Shaped Beechwood handle, with two brass saw rivets. The name **KEEN KUTTER** is stamped on the handle.

KB K165—Weight per dozen 3½ lbs.....Each \$0.50

One-half dozen in a carton.

**LUNCH SLICERS
KEEN KUTTER**



Highest grade STAINLESS STEEL swaged blades 7½ inches long, carefully ground and sharpened, full-mirror polished. Full tang. Polished Blackwood handle with three nickel-silver saw rivets.

KB K331—Weight per dozen 1¾ lbs.....Each \$0.60



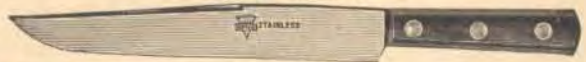
HIGH CARBON STEEL swaged blades 7½ inches long, highly polished. Full tang. Cocobolo handle, with three brass saw rivets.

KB K35—Weight per dozen 1¾ lbs.....Each \$0.35

One-half dozen in a carton.

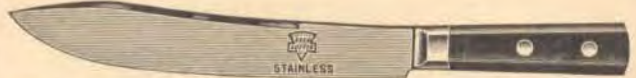
Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

**SLICERS
KEEN KUTTER**



Highest grade STAINLESS STEEL swaged blade 9 inches long, full-mirror polished. Highly polished Blackwood handle—nickel-silver saw rivets fasten handle securely to swaged blade. Full tang.

KB K44—Weight per dozen 3½ lbs.....Each \$0.90



Highest grade STAINLESS STEEL swaged blade 9 inches long, full-mirror polished. Polished metal bolster. Highly polished Blackwood handle—nickel-silver saw rivets fasten handle securely to swaged blade. Full tang.

KB K4329—Weight per dozen 4½ lbs.....Each \$1.00



High CARBON STEEL swaged blade 9 inches long, highly polished. Metal bolster. Highly polished Blackwood handle—nickel-silver saw rivets fasten handle securely to swaged blade. Full tang.

KB K431—Weight per dozen 5 lbs.....Each \$0.50

SIMMONS



Good quality STAINLESS STEEL blade 8 inches long, mirror polished. Half tang. Polished Cocobolo handle with two nickel-silver rivets.

KB S1408—Weight per dozen 3 lbs.....Each \$0.29

Each knife in an individual carton.
One-half dozen in a carton.

BREAD KNIVES



BURNS'—BREAD AND CAKE

The Serrated Edge cuts with each motion of the hand, produces a clean cut without tearing the bread or making crumbs.

Carbon steel blade 8 inches long, with special Serrated Edge, full polished. Half tang. Cocobolo handle, with two brass saw rivets.

KB 7B—Weight per dozen 3 lbs.....Each \$0.49

One in a carton. One dozen in an attractive counter display package.

POT OR COOKS' FORKS



KEEN KUTTER

An indispensable cooking aid.

Forged steel tines and shank, glazed finish. Half tang. Cocobolo handle fastened with two brass saw rivets.

KB K8101—Length of tines 3½ inches; length over all 13 inches; weight per dozen 3 lbs...Each \$0.35



Steel tines and shank, glazed finish. Full tang. Cocobolo handle, with two brass saw rivets.

KB 183—Length of tines 3¼ inches; length over all 9¾ inches; weight per dozen 2 lbs.....Each \$0.25

One-half dozen in a carton.

FRUIT SLICERS



KEEN KUTTER

Special fruit slicers with STAINLESS STEEL FORGED blade 5 inches long, swaged and full-mirror polished. Half tang. Highly polished Blackwood handle, with two nickel-silver saw rivets.

KB K4211—Weight per dozen 1 lb.....Each \$0.35

One dozen in a carton.

VEGETABLE OR UTILITY KNIVES

Useful for paring or cutting fruits and vegetables.



KEEN KUTTER

Midget—Highest quality stainless steel swaged blade 4 1/4 inches long. Full-mirror polished. Scale tang. Cocobolo handle, with two brass saw rivets.

KB K151—Weight per dozen 1 lb.....Each \$0.49

One-half dozen in a carton.



KEEN KUTTER

Very convenient and useful for cutting grapefruit, lemons, lettuce, cabbage and other large vegetables and fruits. Highest quality stainless steel blade 5 inches long. Full-mirror polished. Half tang. Polished Cocobolo handle, with two nickel-silver saw rivets.

KB K405—Weight per dozen 1 1/2 lbs.....Each \$0.29



SIMMONS

Good quality stainless steel blade 5 inches long. Full-mirror polished. Half tang. Polished Cocobolo handle, with two nickel-silver saw rivets.

KB S1405—Weight per dozen 1 1/2 lbs.....Each \$0.25

Each knife in an individual box.
One-half dozen in a carton.

CAKE OR HAMBURGER TURNERS

For Hotels, Cafes, Restaurants or General Kitchen Use.



KEEN KUTTER

HIGHEST GRADE flexible steel blade 3 inches wide, 9 3/4 inches long, sharpened on one edge, glazed finish. Trowel shank. Full tang, Beechwood handle, with three brass saw rivets. Length over all 15 inches.

KB K112—Weight per dozen 6 lbs.....Each \$1.19



SIMMONS

Extra heavy gauge CARBON STEEL blade 5 1/4 inches long. Half tang. Black walnut handle with two brass saw rivets. Flat section of blade 4 1/4 x 3 inches, bent section 1 3/4 inches. Length over all 11 1/2 inches.

KB S212—Weight per dozen 6 lbs.....Each \$0.50

One-half dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SPATULAS

A handy aid to baking for turning, spreading, mixing, and lifting cakes and pastries from pans intact, and especially for icing cakes quickly and smoothly.

KEEN KUTTER



Highest grade STAINLESS STEEL flexible blade, 7 inches long, 1 3/8 inches wide, full-mirror polished. Full tang. Polished Blackwood handle, with three nickel-silver saw rivets.

KB K646/7—Weight per dozen 3 lbs.....Each \$0.75



HIGH CARBON STEEL flexible blade 8 inches long, 1 1/2 inches wide, glazed finish. Scale tang. Cocobolo handle, with three brass saw rivets.

KB K28—Weight per dozen 3 lbs.....Each \$0.49



HIGH CARBON STEEL blade, glazed finish. Scale tang. Cocobolo handle, with nickel-silver bolster, two nickel saw rivets.

Nos.	Each	Length Blade, Inches	Width Blade, Inches	Wt. Per Dozen, Lbs.
KB K9803/6	\$0.49	6	1 1/8	2
KB K9803/8	.75	8	1 3/8	3

One-half dozen in a carton.



G. S. C. CO.

HIGH CARBON STEEL blade 6 inches long, and 1 inch wide, full polished. Full tang. Cocobolo handle, with three brass saw rivets.

KB 188—Weight per dozen 2 lbs.....Each \$0.25



CARBON STEEL FLEXIBLE blade 8 inches long, 1 1/4 inches wide, nicely polished. Green stained, smoothly waxed hand-fitting handle, with nickel-plated ferrule. Length over all 12 1/4 inches.

KB 2308—Weight per dozen 1 lb.....Each \$0.10

One dozen in a carton.

VEGETABLE KNIVES



Good quality stainless steel blunt-end blade 4 inches long. Full polished. Scale tang. Beechwood handle, with three brass pins.

KB 19—Weight per dozen 1 1/2 lbs.....Each \$0.15

One dozen in a carton.

KEEN KUTTER KITCHEN PARING KNIVES

For long lasting, excellent service buy these handy knives with sharp, durable cutting edges

Highest grade stainless steel blades, full mirror polished.



Blades—Forged steel, hardened and tempered. Full tang. Assorted four 3-inch Clip, 3-inch Wharncliffe, and three 4-inch Slicer.

Handles—assorted blackwood, cocobolo, and stag, with three large nickel silver rivets.

KB K218—Weight per dozen 1½ lbs. Each \$0.35



Blades—high grade high carbon steel. Carefully hardened, tempered, ground and hand-honed to a keen cutting edge. Half tang. Assorted 3-inch Clip and Sheepfoot.

Handles—polished genuine rosewood with nickel silver telescope rivets.

KB K505—Weight per dozen 1 lb. Each \$0.35



Blades—all slicer shape, 4 inches long. Full tang.

Handles—stag with three nickel silver saw rivets.

KB K203—Weight per dozen 1½ lbs. Each \$0.35

One dozen in an attractive easel back display box.



"HAMMER FORGED" Not Stainless

Blades—high grade crucible cutlery steel, highly polished, swaged. Scale tang. Assorted 6 each Clip and Wharncliffe, 3 inches long.

Handles—black walnut, with three large brass saw rivets. The name *KEEN KUTTER* is embossed and gold filled.

KB K293—Weight per dozen 1¼ lbs. Each \$0.25



Blades—assorted 4 each Sheepfoot, Clip, and Slicer, all 3 inches long. Full tang.

Handles—assorted cocobolo, boxwood, and blackwood with three brass pins.

KB K537—Weight per dozen 1½ lbs. Each \$0.25



Blades—assorted 6 each Sheepfoot and Clip, all 3 inches long. Half tang.

Handles—assorted ebony, cocobolo and boxwood, with two brass saw rivets.

KB K2300—Weight per dozen ¾ lb. Each \$0.25

One dozen in an attractive easel back display box.



Blades—all Clip, 3¼ inches long. Half tang.

Handle—black walnut, with two nickel silver saw rivets.

KB K409—Weight per dozen ¾ lb. Each \$0.25



Not Stainless

Blades—high carbon steel, uniformly tempered. Glazed finish. Scale tang. Assorted 6 each 3-inch Clip and 3¼-inch Slicer.

Handles—assorted blackwood and cocobolo, with three brass pins.

KB K515—Weight per dozen 1 lb. Each \$0.25



Blades—all hook bill style, 2½ inches long. Half tang.

Handles—extra long, cocobolo, shaped to fit the hand. Two nickel silver saw rivets.

KB K406—Weight per dozen 1¼ lbs. Each \$0.25

One dozen in an attractive easel back display box.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

PARING KNIVES

SIMMONS



SIMMONS

Blades—good quality stainless steel, 3 inches long, with assorted points.

Handles—blackwood. Tang extends half-way into handle, secured by two nickel silver saw rivets.

KB S94—Weight per dozen 1 lb. Each \$0.19

One dozen in easel back display box.



High grade carbon steel blades, finely tempered, sharpened, and nicely finished—assorted Clip and Sheepfoot patterns, 3 inches long. Blackwood handle, two large brass telescope rivets. The name "SIMMONS" is stamped on the handles in gold.

KB S1505—Weight per dozen 1 1/4 lbs. Each \$0.15

One dozen in a display box.



Good quality stainless steel blade, 3 inches long, mirror polished, with nickel-plated steel ferrule and one steel pin. Wood handles enameled assorted colors—red, green and cream. Blades assorted Clip and Sheepfoot.

KB S514—Weight per dozen 1 lb. Each \$0.10

Each knife in an individual carton.

One dozen in a cardboard box.



High carbon steel blade 2 1/2 inches long. Full tang. Special shaped beechwood handle, secured by three steel pins.

KB S316—Weight per dozen 3/4 lbs. Each \$0.10

One dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

PARING KNIVES

SIMMONS

Stainless—Long Handle



Stainless steel, ground blade, 3 inches long, mirror finished. Imported rosewood handle with two large head brass compression rivets.

Length Over All 7 1/4 Inches

KB S15—Weight per dozen 3/4 lb. Each \$0.10

One dozen in a display box.

KUTMASTER DELUXE

These streamlined knives meet the demand for a paring knife with blades made of forged pocket knife steel. The blades have keen lasting edges, not quickly dulled by heavy work.

Made of Old Forge high carbon crucible steel, saber ground and full mirror polished. Clip point. Full scale tang. Handles fastened with two large brass rivets.



KB 10S—Stag handle. Weight per dozen 1 lb. Each \$0.25

One dozen on an attractive easel back display card.



IMPERIAL "VERI-SHARP"

Stays bright and sharp indefinitely. Heavy-gauge, high carbon, stainless steel pocket knife blade—triple swaged and polished, 3 inches long. Comfi-grip ebony wood handle, fastened to full tang with three brass pins.

KB 09—Weight per dozen 1 1/2 lbs. Each \$0.25

Each knife mounted on individual display card. One dozen in a carton.



KB 20S—Cocobolo handle. Weight per dozen 3/4 lb. Each \$0.20

One on an attractive silver finished card. One dozen in a carton.



G. S. C. CO.

Good grade stainless steel blade, 3 inches long, full mirror polished. Scale tang. Cocobolo handle stamped "Stainless Steel", secured with three brass pins.

Blades assorted—four each Clip, Wharncliffe, and Slicer shapes.

KB 925—Weight per dozen 3/4 lb. Each \$0.15

One dozen in a carton.



QUIKUT

High grade stainless steel blade, 2 1/2 inches long, with bevel ground razor edge. Wood handles enameled assorted colors, red and green. Nickel-plated ferrule.

KB BK1—Weight per dozen 1 lb. Each \$0.05

Two dozen in a cardboard box.

PARERS AND CORERS



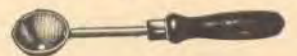
For peeling, coring and scraping fruits and vegetables in a jiffy. Also very practical for scaling fish.

Nickel-plated steel blade 2 1/2 inches long with coring point, paring edge, and saw tooth edge. Wood handle red stained and waxed. Length over all 6 1/2 inches.

KB 369R—Weight per dozen 3/4 lb. Each \$0.10

One dozen in a carton.

POTATO AND FRUIT SCOOPS



Serve delicious frozen fruit balls or browned potato balls—so easy to prepare with one of these handy scoops. Nickel-plated steel shank, cup and ferrule. Wood handle red stained and waxed. Diameter of cup 1 1/2 inches. Length over all 6 1/2 inches.

KB T343R—Weight per dozen 3/4 lb. Each \$0.10

One dozen in a carton.

GRAPE FRUIT KNIVES

KEEN KUTTER



Highest grade stainless steel blades, 3¼ inches long, with curved and serrated double edge. Cocabolo handle with two brass saw rivets. Length over all 6¾ inches.

KB K71 — Weight per dozen 1½ lbs. Each \$0.29



The curved, serrated edge, good quality stainless steel blades, will not rust or stain from fruit acid. Blades are carefully tempered. Genuine rosewood polished handles, two nickel silver telescope rivets.

KB K506—Weight per dozen ¾ lb. Each \$0.39

One deal (one-half dozen) in a double cover easel display box.

We do not break.

HOUSEHOLD CLEAVERS

Strong and sturdy. Suitable for light chopping and cutting in the home.



KEEN KUTTER

Heavy gauge carbon steel blade is 2¾ inches wide at front, and has a 7-inch cut, full polished. Half tang. Polished walnut handle 4¾ inches long. Two large brass rivets. Hole in blade for hanging. Length over all 12 inches.

KB K8814—Weight per dozen 7½ lbs. Each \$0.60



SIMMONS

High grade heavy gauge steel blade 2¾ inches wide at front with 6¾-inch cut, full polished. Half tang. Cocabolo handle 5¼ inches long. Two brass saw rivets. Hole in blade for hanging. Length over all 11¾ inches.

KB S510—Weight per dozen 6 lbs. Each \$0.49

One-half dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

BUTCHERS' CHOPPERS

SIMMONS



Balanced, easy-to-handle choppers. Blade and tang forged from one piece tool steel, carefully ground and sharpened, full polished. Varnished beech-

wood handle, corners beveled. Riveted tang with three brass rivets.

Nos.	KB S500	KB S501
Length of cut, inches	7	8
Length of handle, inches	5¼	5¼
Front width of blade, inches	4¼	4¾
Gauge of blade	13	12
Weight per dozen, lbs.	14½	18
Each	\$1.00	\$1.50

One-half dozen in a carton.

HOG SCRAPERS

Single Blade

Circular blade, 4 inches in diameter, stamped from 18-gauge sheet steel, natural finish. Fastened to natural finished hardwood handle by bolt extending through handle and secured with nut.

KB 6—Weight per dozen 6 lbs. Each \$0.25



One-half dozen in a carton.

Two Blades

Blades stamped from 20-gauge galvanized sheet steel. Bottom blade 3½ inches in diameter, top blade 2½ inches in diameter. Plain finish hardwood handle secured to blades with bolt and nut.

KB 10—Weight per dozen 5 lbs. Each \$0.10



One dozen in a carton.

MEAT HOOKS

To Screw

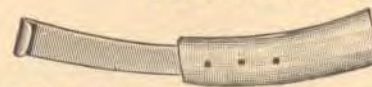


Strong wrought steel hooks, tinned, 2½ inches long, ¼-inch in diameter—length of screw 1½ inches.

KB 33—Weight per gross 16 lbs. Each \$0.10

One-half gross in a cardboard box.

FARRIERS' KNIVES



High carbon steel blade ¾-inch wide, uniformly tempered and highly polished.

Solid reindeer horn handle.

KB 10—Weight per dozen 4 lbs. Each \$1.19



POPE'S

Carbon steel detachable blade ¾-inch wide, highly tempered, with glazed finish. Japanned iron pierced handle.

KB 1½—Weight per dozen 4 lbs. Each \$0.85

One-half dozen in a carton.

BLADES FOR No. KB 15½ FARRIERS' KNIVES

KB 2½—Width ½ inch. Each \$0.69

One-half dozen in a carton.

STEELS

BUTCHERS' AND HOUSEHOLD

For sharpening knives and cleavers—same time and effort.



KEEN KUTTER

Butchers'—ebonized wood handle, with tinned lead ferrule. Lee's cut, with magnetized surface. With malleable iron swivel.

Nos.	Each	Sharpening Surface, Inches
KB K540B10	\$1.00	10
KB K540B12	1.25	12
KB K540B14	1.50	14

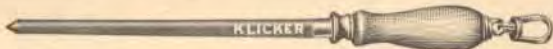
Weight per dozen 13 lbs.



KEEN KUTTER

Kitchen—Ebonized wood handle, with tinned lead ferrule. Lee's cut, with magnetized surface. With plated wire screw eye. Sharpening surface 8 inches long.

KB K540—Weight per dozen 5 lbs.....Each \$0.49



KLICKER

Butchers'—Varnished wood handle, with lead ferrule and tinned malleable iron swivel. Special cut, with magnetized sharpening surface 10 inches long.

KB 100K10—Weight per dozen 9 lbs.....Each \$0.95

One-half dozen in a carton.

KNIFE SHARPENERS



CARBORUNDUM

Solid Carborundum, firmly secured to handle by a steel rod extending through the entire length. Length of sharpening surface 8 1/4 inches, shaped black enameled wood handle. Nickel-plated ferrule.

KB 76—Weight per dozen 4 lbs.....Each \$0.50



PIKE—QUICK CUT

Solid quick cutting abrasive material firmly secured to red lacquered hardwood handle. Length of sharpening surface 8 inches. Nickel-plated ferrule, steel guard.

KB 15—Weight per dozen 3 1/2 lbs.....Each \$0.19

One dozen in an easel back cardboard display box.



CARBORUNDUM

These sharpeners solve the problem of keeping carving, paring, table and steak knives sharp without marring or scratching the beautiful finish, especially that of stainless steel cutlery.

Bevel or Crown in center of sharpening section permits the flat surface to come in direct contact with the knife edge.

Extra fine grain, genuine Carborundum Brand Silicon Carbide head 3x1 1/8 inches. Length over all 7 3/8 inches. Enameled wood handles, assorted colors—Green, Blue and Yellow; nickel-plated brass ferrule.

KB 66—Weight per dozen 4 lbs.....Each \$0.35

One in a carton. One dozen in an attractive display box.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KNIFE SHARPENERS

EVERSHARP

Knives and other straight-edged tools are quickly and easily sharpened by drawing the blade between the two groups of discs. These handy sharpeners have polished rigid steel frames, heavily nickel plated.



With ten hardened steel discs, flared pedestal base frame 2 3/4 x 1 3/4 x 1 3/8 inches.

Beveled hardwood handles are 4 inches long and enameled in assorted colors—red, blue, green, and yellow.

Nickel-plated ferrule. Length over all 6 3/4 inches.

KB 15A — Handled. Weight per dozen 4 3/8 lbs.

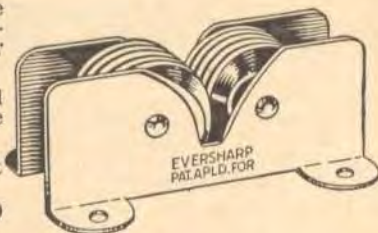
Each \$0.25

One dozen on an attractive easel display card.

Fasten one of these convenient sharpeners to the wall or table.

With six hardened steel discs. Frame 3x1 1/2 x 1 1/8 inches.

KB 30A — Weight per dozen 2 lbs.....Each \$0.10



One dozen in a carton.

SHARPENERS

DAZEY SHARPIT

For anything that cuts—sharpens both sides of the blade edge at the same time. Makes any housewife an expert. Even a child can use it.

Patented twin-wheels of genuine corundum are scientifically shaped so sharpening groove always has correct angle as stones wear. All gears fully enclosed. One-piece frame all cadmium rust-proofed. Slides into same handy wall bracket used by Dazey

can openers and juicers—when not in use, may be put in drawer out of the way.

RB 10—Weight per dozen 19 lbs.....Each \$1.50

One in a carton.

SCISSORS SHARPENERS

CARBORUNDUM

A simple, practical and accurate sharpener for scissors. It is only necessary to lay scissors blade flat on either metal side guard or wing and work it back

and forth against the carborundum stone—this will keep the bevel proper and accurate on scissors. Nickel-plated frame and side wings. Carborundum sharpening stone. Size 1 1/2 x 1 3/8 inches.

KB 9—Weight per dozen 3/4 lb.....Each \$0.25

One dozen on an attractive display card.

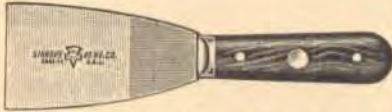
CRAFTSMEN'S KNIVES

PUTTY KNIVES

KEEN KUTTER

More economical for professional use because they last longer and will stand continuous hard usage.

The cross-cut blade is made of high carbon, tempered tool steel and has a glazed finish.



Blade 3 3/8 inches long, 2 inches wide. White metal lap bolster. Full tang. Cocobolo handle, 3 3/8 inches long, secured by one large brass saw rivet and two brass pins.

KB K106—Stiff Blade.....Each \$0.49

KB K105—Elastic Blade...Each .49

Weight per dozen 3 lbs.



Blade 3 3/8 inches long, 1 1/4 inches wide. White metal lap bolster. Full tang. Cocobolo handle, 3 3/8 inches long, secured by one large brass saw rivet and two brass pins.

Elastic Blade

KB K101—Weight per dozen

2 1/2 lbs.....Each \$0.39



Blade 3 3/8 inches long, 1 1/4 inches wide. Full tang. Beechwood handle, 3 3/8 inches long, fastened with three steel pins.

KB K115—Stiff Blade.....Each \$0.33

KB K116—Elastic Blade...Each .33

Weight per dozen 2 1/2 lbs.



SIMMONS

High carbon tempered steel blade 3 3/8 inches long and 1 1/4 inches wide, glazed finish. White metal lap bolster. Full tang. Cocobolo handle 3 3/8 inches long, fastened with three steel pins.

Elastic Blade

KB S215—Weight per dozen

1 1/4 lbs.....Each \$0.25

One-half dozen in a carton.



High grade spring steel blade 3 3/8 inches long, 1 3/8 inches wide. Full tang. Beechwood handle 3 3/8 inches long, fastened with three steel pins.

KB 8116—Elastic Blade.....Each \$0.19

KB 8117—Stiff Blade.....Each .15

Weight per dozen 1 1/2 lbs.

One dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

PUTTY KNIVES



High grade spring steel blade 3 3/8 inches long and 1 3/8 inches wide. Varnished round hardwood handle. Nickel-plated ferrule. Length over all 7 1/2 inches.

KB 308—Weight per dozen

3 lbs.....Each \$0.10

One dozen in a carton.

PUTTY CHISELS



KEEN KUTTER

High carbon tool steel cross-cut blade, 3 3/8 inches long and 2 1/4 inches wide, 3/16 inch thick, glazed finish. Full tang. Cocobolo handle with lap bolster. One large brass rivet and two brass pins.

KB K110—Weight per dozen

1 3/4 lbs.....Each \$0.49

One-half dozen in a carton.

SCRAPING KNIVES



KEEN KUTTER

Choose this high quality tool for more efficient work and longer wear.

High carbon tempered tool steel cross-cut blade 4 1/2 inches long, full taper ground, glazed finish. Full tang. Cocobolo handle, 3 3/8 inches long with white metal lap bolster, fastened with one large brass saw rivet and two brass pins.

Elastic Blade

Nos.	Each	Width Wt. Per Blade, Dozen,	
		In.	Lbs.
KB K98093	\$0.59	3	3 1/2

KB K98093 1/2 .65 3 1/2 4

Stiff Blade

KB K98063 \$0.59 3 3 1/2



SIMMONS

Carbon steel blade, tempered and polished, 4 1/2 inches long and 3 inches wide. Full tang. Beechwood handle secured with one brass saw rivet and three brass pins.

Stiff Blade

KB S403—Weight per dozen

3 1/2 lbs.....Each \$0.45

One-half dozen in a carton.

WALL SCRAPERS



SIMMONS

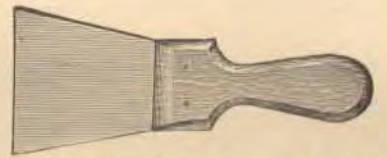
A quality scraper to increase your working efficiency.

Long wearing carbon steel blade, 4 inches long and 3 1/8 inches wide, nicely polished.

Full tang. Natural finish beechwood handle, secured with two large brass saw rivets. Length over all 8 3/8 inches.

KB S108—Stiff Blade. Weight

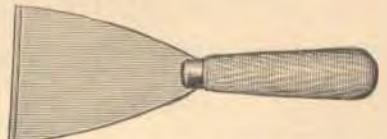
per dozen 4 lbs.....Each \$0.29



Steel blade 3 3/8 inches long and 4 inches wide, glazed finish, is inserted into a solid beechwood handle and fastened with two screws.

KB 105—Stiff Blade. Weight

per dozen 4 1/2 lbs.....Each \$0.10



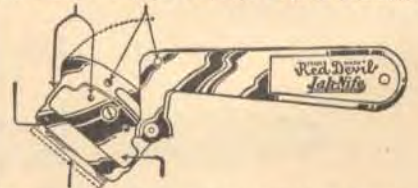
Clip point steel blade 4 1/4 inches long and 3 inches wide, with beveled edge. Varnished round hardwood handle. Nickel-plated ferrule. Length over all 7 3/4 inches.

KB 65—Stiff Blade. Weight

per dozen 3 lbs.....Each \$0.10

One dozen in a carton.

SCRAPERS AND CUTTERS



A handy tool for professional or household use to scrape paint, varnish, and labels from glass and other hard, smooth surfaces.

Double edge blade easily secured for use or fastened safely out of the way, for pocket tool box or kitchen drawer. Nickel-plated steel frame and handle. Length 5 1/4 inches, width 1 3/8 inches. Complete with one double-edge blade.

KB 13—Weight per dozen

1 1/4 lbs.....Each \$0.10

One dozen in a carton.

CRAFTSMEN'S AND MISCELLANEOUS KNIVES

POULTRY KILLING KNIVES



KEEN KUTTER

The narrow, sharp point blade kills chickens and turkeys quickly without mutilating them.

High carbon steel blade uniformly tempered, carefully ground and sharpened, glazed finish. Scale tang, beechwood handle, with three brass telescope rivets. Blade 2 7/8 inches long, 3/8-inch wide.

KB K21—Weight per dozen
1 3/4 lbs. Each \$0.25

One-half dozen in a carton.

COTTON SAMPLING KNIVES



KEEN KUTTER

For Sampling Cotton and Chopping Vegetables

High carbon steel blade 5 1/2 inches long, 1 3/8 inches wide at widest point, glazed finish. Scale tang, beechwood handle, with three brass saw rivets. Length over all 9 5/8 inches.

KB K330—Weight per dozen
5 lbs. Each \$0.49

One-half dozen in a carton.

SLOYD KNIVES



UNIVERSAL

For Manual Training Schools and Carpenters' Use

High carbon steel, heavy-beveled blade 2 3/4 inches long. Varnished beechwood oval handle with brass ferrule. One steel pin through handle.

KB 52—Weight per dozen
1 lb. Each \$0.39

One dozen in a package.

BUDDING KNIVES



KEEN KUTTER

High carbon steel blade, 2 1/2 inches long, glazed finish. Half tang. Cocobolo handle, 3 3/8 inches long, with three pins.

KB K1135—Weight per dozen
2 lbs. Each \$0.49

One-half dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SHOE KNIVES



KEEN KUTTER

Square point steel blade, uniformly tempered, glazed finish.

Solid maple zapon handle with one steel pin. Brass ferrule.

Nos.	Each	Weight	
		Length Per Blade, Dozen, Inches	Lbs.
KB K13	\$0.20	3	1
KB K14	.25	4	1 1/8

One dozen in a package.

LINEMAN'S OR ELECTRICIAN'S KNIVES



Extremely useful for removing insulation from covered wires or for cutting roofing or linoleum. This is a quality knife that will stand continued, hard usage.

A hole in the end of the handle makes it easy to fasten to a chain or rope.

High quality extra heavy steel hawk-bill blade 3 1/2 inches long, glazed finish. Two grooves on back of blade. Natural finish, varnished hardwood handle 4 1/4 inches long. Shank of blade passes through heavy steel ring to prevent splitting. Securely fastened with steel pin. Length over all 7 3/4 inches.

KB 3—Weight per dozen 2 lbs. Each \$0.75

One dozen in a carton.

OILCLOTH OR LINOLEUM KNIVES

KEEN KUTTER

Designed for quick, easy cutting of linoleum, oilcloth, leather, and felt roofing. High carbon steel blade, glazed finish. Secured by steel pin through the handle and shank of blade. Nickel-plated steel ferrule.



Extra large—Blade 4 1/2 inches long—length over all 9 inches. Burnt wood handle.

KB K741—Weight per dozen 3 lbs. Each \$0.49



Blade 3 inches long—length over all 8 inches. Natural finish maple handle.

KB K740—Weight per dozen 2 1/4 lbs. Each \$0.35

One dozen in a carton.

ROOFING KNIVES



SIMMONS

High grade steel curved blade 2 inches long. Glazed finish. Burnt finish hardwood handle. Nickel-plated steel ferrule. Blade secured by steel pin through handle and shank. Length over all 6 1/8 inches.

KB S2952—Weight per dozen 1 1/2 lbs. Each \$0.25

One dozen in a carton.

BANANA KNIVES



For grocery stores and fruit markets. Steel blade 7 1/4 inches long, glazed finish. Solid stained birch handle. Nickel-plated steel ferrule. Length over all 11 1/4 inches.

KB 1000—Weight per dozen 2 1/2 lbs. Each \$0.60

One dozen in a carton.

BROOM CORN KNIVES

KEEN KUTTER

High carbon steel curved blade, uniformly tempered, glazed finish. Solid burnt wood handle, brass ferrule. One steel pin through handle and shank.



LINDSEY PATTERN

Blade 3 1/4 inches long on back, 3 1/2 inches long on cutting edge, 3/8 inch wide at point, 1 1/8 inches wide at hilt. Handle 2 3/8 inches long.

KB K60WL—With heavy harness leather finger guard 6 1/2 inches long, 1 3/8 inches wide. Weight per dozen 2 lbs. Each \$0.25

KB K60—Without finger guard. Weight per dozen 1 3/4 lbs. Each \$0.23



Blade 4 1/4 inches long on back, 4 3/8 inches long on cutting edge, 1 1/4 inches wide at point, 1 1/8 inches wide at hilt. Handle 2 3/8 inches long.

KB K80—Weight per dozen 2 lbs. Each \$0.25

One-half dozen in a carton.

KEEN KUTTER CARVING SETS

Finest Cutlery Made! Strong, Durable and Handsome in Design.

- The carving knife has forged stainless steel mirror-polished swaged blade and a super keen edge that cuts cleanly and easily.
- The fork is forged stainless steel with attractive guard.
- The steel has an excellent sharpening surface.

THREE-PIECE SETS



Stag Handles—Hollow Bolsters

KB K9474—Blade 9 inches long. Weight per set 3 lbs.Per Set \$7.50



Natural Color Stag Handles

Fancy chromium-plated ferrules . . . stainless caps.

KB K9473—Blade 8½ inches long. Weight per set 3 lbs.Per Set \$8.25



Stag Handles—Hollow Bolsters, Stainless Caps

KB K9473—Blade 8 inches long. Weight per set 3 lbs.Per Set \$5.75

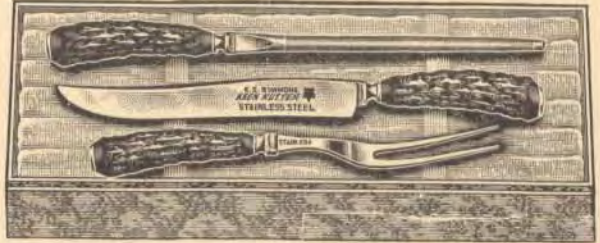


With Pyrohorn Handles

KB K94713—Blade 8 inches long. Weight per set 2 lbs.Per Set \$5.75

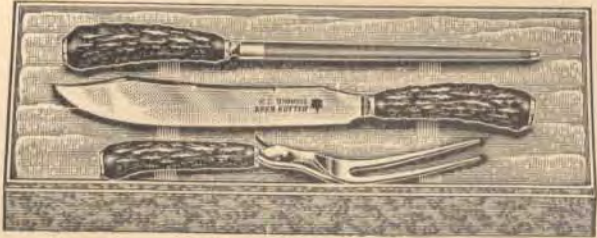
- The carving knife has forged stainless steel mirror-polished swaged blade and a super keen edge that cuts cleanly and easily.
- The fork is forged stainless steel with attractive guard.
- The steel has an excellent sharpening surface.

THREE-PIECE SETS



Stag Handles, Chromium-plated Ferrules and Stainless Caps

Carving knife has 8-inch stainless steel blades, mirror polished. Fork of stamped stainless steel with guard. Steel made of high-grade steel that sharpens quickly. KB K6465—Weight per set 3 lbs.Per Set \$4.25



Stag Handles, Chromium-plated Ferrules and Stainless Caps

Carving knife has an 8-inch swaged blade of high-grade crucible steel, glazed finish. Fork is of forged crucible steel, with nickel-plated guard. Steel is of high-grade steel.

KB K6466—Weight per set 3 lbs.Per Set \$3.25

TWO-PIECE SETS

- The carving knife has forged stainless steel mirror-polished swaged blades and a super keen edge that cuts cleanly and quickly.
- The fork is of stainless steel with an attractive guard.



Stag Handles, Hollow Bolsters, Stainless Caps

KB K94722—Blade 6½ inches long. Weight per set 2½ lbs.Per Set \$4.25



With Pyrohorn Handles

KB K94712—Blade 6½ inches long. Weight per set 1¾ lbs.Per Set \$4.25

Each set in a satin-lined paper-covered carver case.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

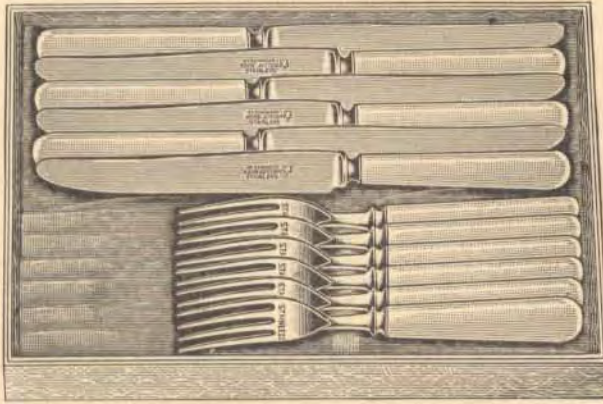
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STAINLESS STEEL TABLE CUTLERY

Modern housewives demand durable, long wearing tableware that needs no polishing—tableware pleasing in appearance, to make the table look trim and inviting. An answer to these demands is this quality cutlery with stainless steel blades.

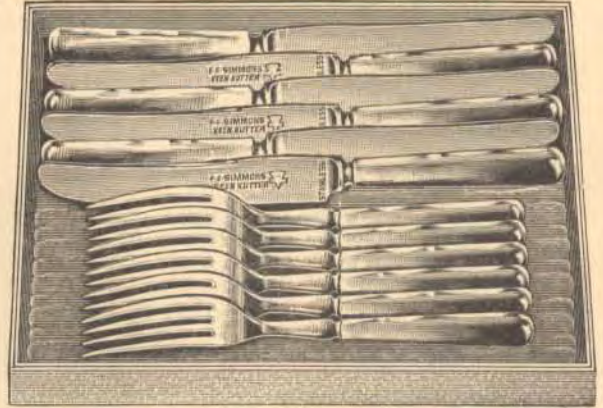
KEEN KUTTER



White Grained Celluloid Round Handles; Polished Hollow Bolsters

Set of 6 knives and 6 forks—stainless steel swaged steak blades, mirror finish. 4-tine stainless steel forks.

KB K1415—Weight per set 2¼ lbs.....Per Set \$10.95



Full Stainless Steel Solid Stainless Steel Round End Handles, Highly Polished; Hollow Bolsters

Set of 6 knives and 6 forks—stainless steel swaged steak blades, mirror finish. 4-tine stainless steel forks.

KB K300—Weight per set 3½ lbs.....Per Set \$4.95

One set in a raked, cloth-lined box.



SIMMONS

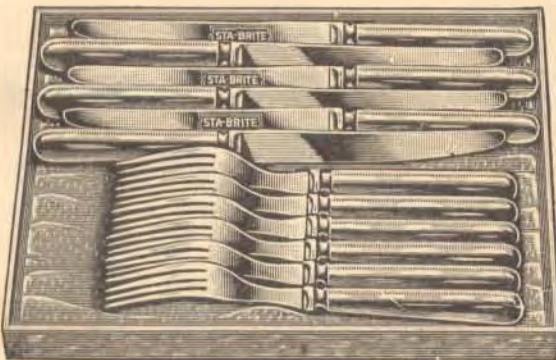
White Celluloid Round End Handles With Plain Bolsters

Set of 6 knives and 6 forks—stainless steel steak blades, mirror finish. 4-tine stainless steel forks.

KB S1520—Weight per set 2¼ lbs.....Per Set \$5.49

One set in a raked, cloth-lined box.

STA-BRITE



Hollow Stainless Steel Round End Handles; Hollow Bolsters

Blades and fork heads securely fastened to handles, then sealed completely water-proof. Handles are hollow, cork filled to make them light in weight.

Set of 6 knives and 6 forks—stainless steel steak blades . . . mirror finished. 4-tine stainless steel forks.

KB 95—Weight per set 2 lbs.....Per Set \$2.95



White Celluloid Candle Shaped Handles; Hollow Bolsters

Set of 6 knives and 6 forks—stainless steel steak blades, nicely polished. 4-tine stainless steel forks.

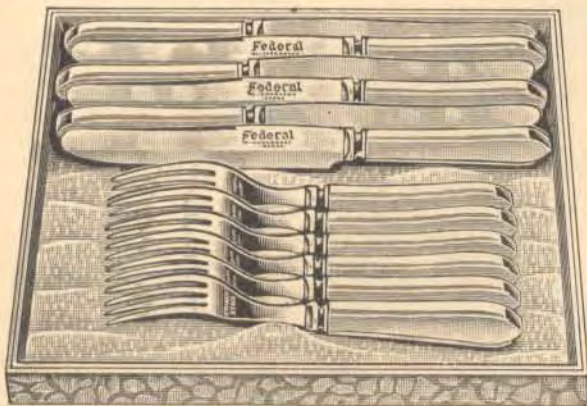
KB 751M—Weight per set 2 lbs.....Per Set \$2.69

One set in raked, satin-lined box.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

STAINLESS STEEL TABLE CUTLERY

KNIFE AND FORK SETS FEDERAL

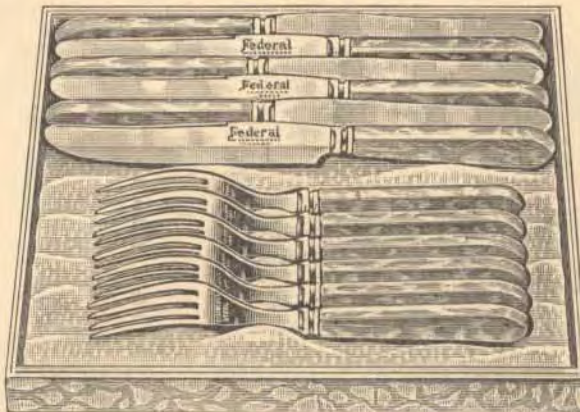


Fancy White Catalin Handles, Distinctive Candle-end Shape; Hollow Bolsters

Set of 6 knives and 6 forks—Stainless steel steak blades, nicely polished. 4-tine stainless steel forks.

KB 1111—Weight per set 2 lbs. Per Set \$1.95

KNIFE AND FORK SETS FEDERAL



Bright Colored Catalin Candle-end Handles; Hollow Bolsters

Set of 6 knives and 6 forks—stainless steel blades, nicely polished. 4-tine stainless steel forks.

Nos.	Per Set	Color of Handles
KB 8412G	\$2.69	Green
KB 8412R	2.69	Red

Weight per set 2 lbs.

One set in racked cloth-lined box.

STEAK KNIVES

Stainless steel swaged blades, extra ground and polished. Plain round end handles.



KEEN CUTTER

Polished steel bolsters . . . handle 3 3/4 inches long.

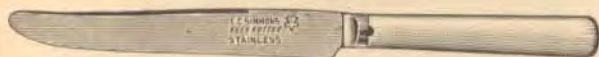
KB K415—White grain celluloid handles. Each \$0.98



KEEN CUTTER

Short blades . . . polished steel bolsters . . . handle 5 1/2 inches long.

KB K418—White grain celluloid handles. Each \$0.59



KEEN CUTTER

Polished steel bolsters . . . handle 3 3/4 inches long.

KB K410—White grain celluloid handles. Each \$0.40

One-half dozen in a satin-lined box.
Weight per set 1 lb.



KEEN CUTTER

Plain metal bolsters . . . handle 4 inches long.

KB K412—Black ivory handles. Each \$0.40



SIMMONS

Steel bolsters . . . handle 3 3/4 inches long.

KB S520—White celluloid handles. Each \$0.35

One-half dozen in a satin-lined box.
Weight per set 1 lb.



FEDERAL

Steak blades, nicely polished . . . steel bolster . . . handle 4 inches long.

KB 800—Black rubber handles. Each \$0.25

One dozen in a carton.
Weight per dozen 1 1/2 lbs.

**KEEN CUTTER IS THE SYMBOL OF
FINE QUALITY
IN TOOLS AND CUTLERY**

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

STAINLESS TABLE CUTLERY—Fine Quality Solid Alleghany Metal

ROYAL STREAMLINE DESIGN

Cutlery noted for its soft, smooth, mirror bright satin luster. It will not tarnish, stain, or become dull.

You can keep the finish brilliant with ordinary washing and polishing with a towel.

26-PIECE TABLE ASSORTMENTS

A Royal assortment that will reflect its owner's good taste whenever used. Just the right pieces, too . . . assortment includes 6 medium knives, 6 medium forks, 6 teaspoons, 6 dessert spoons, butter knife, and sugar spoon.

MODERNE PATTERN



KB 426C—Moderne Pattern.....Per Assortment \$8.45

In attractive raked display case (size 13x10x1 7/8 inches), lined in lemon colored flannelette. Flatware and case in separate cartons. Weight 4 1/4 lbs.

KB 426—Moderne Pattern.....Per Assortment \$7.45

One assortment in a carton. Weight 2 1/2 lbs.



Set of 6 knives and 6 forks. Medium knives, 9 1/4 inches long, with French steak blades; medium forks, 7 1/4 inches long.

KB 400/401—Knives and Forks—Weight per set 1 5/8 lbs.....Per Set \$3.69

One set in a carton.

KB 400—Medium Knives only—Weight per dozen 2 1/8 lbs.....Each .35

KB 401—Medium Forks only—Weight per dozen 1 lb.....Each .29



Salad Forks—7 1/2 inches long.
KB 406—Weight per dozen 1 lb.
Each \$0.35



Nos.	Each	Pieces	Length, Inches	Wt. Per Dozen, Lbs.
KB 402	\$0.15	Tea Spoons	6	3/4
KB 403	.35	Dessert Spoons	7	1 1/4
KB 404	.35	Iced Tea Spoons	7 1/2	1

One dozen in a carton.

RAJAH PATTERN



KY 326C—Rajah Pattern.....Per Assortment \$6.45

In attractive raked display case (size 13x10x1 7/8 inches), lined in lemon colored flannelette. Flatware and case in separate cartons. Weight 4 1/4 lbs.

KB 326—Rajah Pattern.....Per Assortment \$5.45

One assortment in a carton. Weight 2 1/2 lbs.



Set of 6 knives and 6 forks. Medium knives 9 1/8 inches long, with French steak blades; medium forks 7 1/4 inches long.

KB 300/301—Knives and Forks—Weight per set 1 5/8 lbs.....Per Set \$2.89

One set in a carton.

KB 300—Medium Knives only—Weight per dozen 2 1/4 lbs.....Each .25

KB 301—Medium Forks only—Weight per dozen 1 lb.....Each .23



Nos.	Each	Pieces	Length, Inches	Wt. Per Dozen, Lbs.
KB 302	\$0.13	Tea Spoons	6	3/4
KB 303	.25	Dessert Spoons	7	1 1/4
KB 304	.29	Table Spoons	8 1/8	1 1/4

One dozen in a carton.

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TABLE CUTLERY

MALACCA TIN COATED FLATWARE FOR EXTRA SERVICE—LONG WEAR

- Made of high-grade open hearth steel, heavily protected by a coating of pure Malacca Tin.
- Strong and lasting—knives of two-piece construction with solid steel handles.
- In patterns designed by skilled craftsmen, in both carved and plain designs.

WALLACE BROTHERS CLASSIC PATTERN

90-piece assortment—in five-compartment counter display box.

Assortment consists of:

- 36 tea spoons
- 18 table spoons
- 18 table forks
- 18 table knives

Suggested retail price:

- Tea spoons 2 for \$0.05
- Table spoons Each .05
- Table forks Each .05
- Table knives Each .10



KB 82690—Flatware Assortment—Weight per assortment 9 lbs.

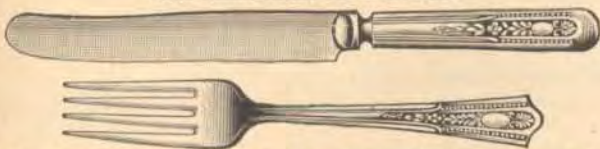


26-piece Assortments

Assortment consists of: 6 tea spoons, 6 table spoons, 6 knives with steak blades, 6 four-tine forks with flat handles, 1 butter knife, 1 sugar spoon.

KB 738626—Flatware Assortment—Weight per assortment 4 lbs. Per Assortment \$1.59

One assortment in a carton.



Set of 6 knives and 6 forks—Steak blade, knives with round end handles . . . four-tine flat handle forks.

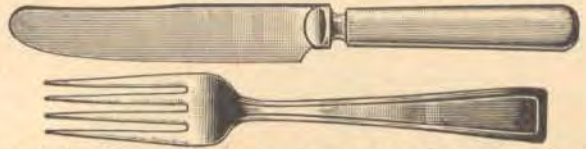
KB 7386—Knives and Forks—Weight per set 2 lbs. Per Set \$0.98

One-twelfth gross (six knives and six forks) in a carton.



Nos.		Pieces	Weight Per Gross, Lbs.
KY 826	2 for \$0.05	Tea Spoons	6
KB 826	5c Each	Dessert Spoons	11
	One-quarter gross in a carton.		
KB 826	5c Each	Table Spoons	14
	One-sixth gross in a carton.		
	Twelve gross in a case.		

WALLACE BROTHERS LINED PATTERN



Set of 6 knives and 6 forks—Steak blade knives . . . four-tine flat handle forks . . . double coated with pure Malacca Tin.

KB 7058—Knives and Forks . . . Per Set \$0.69

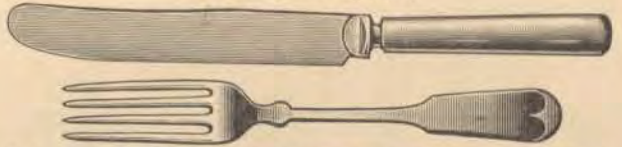
One-twelfth gross (six knives and six forks) in a carton. Weight per set 2 lbs.



Nos.		Pieces	Weight Per Dozen, Lbs.
KB 802	2 for \$0.05	Tea Spoons	6
KB 802	5c Each	Table Spoons	11

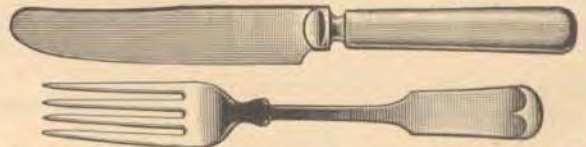
One-quarter gross in a carton. Twelve gross in a case.

TIPPED PATTERN



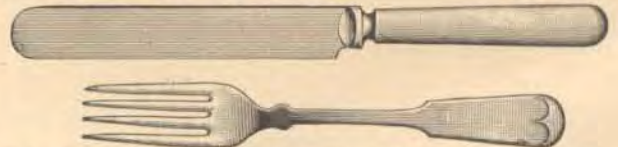
Set of 6 knives and 6 forks—Steak blade knives with round end handles . . . four-tine flat handle forks.

KB 7390—Knives and Forks . . . Per Set \$0.98



Set of 6 knives and 6 forks—Steak blade knives with round end handles . . . four-tine flat handle forks.

KB 7059—Knives and Forks . . . Per Set \$0.79



Set of 6 knives and 6 forks—Straight blade knives with round end handles . . . four-tine flat handle forks.

KB 7900—Medium knives and forks . . . Per Set \$0.95

One-twelfth gross (six knives and 6 forks) in a carton.



Nos.		Pieces	Weight Per Gross, Lbs.
KB 91	2 for \$0.05	Tea Spoons	6
KB 92D	5c Each	Dessert Spoons	11
	One-quarter gross in a carton.		
KB 182	5c Each	Table Spoons	14
	One-sixth gross in a carton. Twelve gross in a case.		

When ordering—specify item wanted.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

TABLE CUTLERY

WALLACE BROTHERS—Chromium Plated

Strong, durable tableware in the popular "Seventeen" pattern. It is stain, acid and heat resisting, tarnish proof, and impervious to chipping and cracking.



Set of 6 knives and 6 forks—Dinner knives with round-end solid handles . . . four-tine flat handle forks.
KB 7017—Knives and Forks. Weight per set 2 lbs. Per Set \$1.09

One set in a carton.



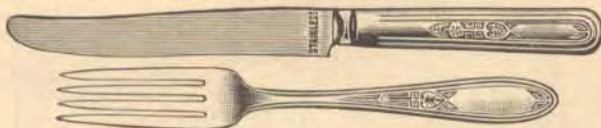
Nos.	Each	Pieces	Weight Per Gross, Lbs.
KB 17	3 for \$0.10	Tea Spoons	6
KB 17	2 for .15	Table Spoons	10

Two dozen in a carton.

WM. A. ROGERS—NICKEL SILVER

- **Quality** . . . pure 18% nickel silver white metal scientifically processed to insure hardness, strength and high finish.
- **Service** . . . light in weight, strong, serviceable pieces . . . with proper distribution of metal to give the best service in its many uses.
- **Patterns** . . . designed by skilled silversmiths for correct styling . . . choice of popular designs.

BRISTOL PATTERN



Set of 6 knives and 6 forks—Stainless steel steak blade, with solid steel nickel-plated flat handles . . . four-tine nickel-silver flat handle forks.

KB 038—Knives and Forks. Weight per set 2½ lbs. Per Set \$2.50

One set in a carton.



Spoons—Light Weight

Nos.	Each	Pieces	Weight Per Dozen, Lbs.
KB 038	\$0.10	Tea Spoons	¾
KB 038	.19	Table Spoons	1½
KB 038	.15	Dessert Spoons	1¼

One dozen in a carton.



SAXON PATTERN

Set of 6 knives and 6 forks—Stainless steel steak blade with solid steel nickel-plated handles . . . four-tine nickel-silver flat handle dessert forks.

KB 026—Knives and Forks. Weight per set 2 lbs. Per Set \$2.50

One set in a carton.

ALDEN PATTERN



Set of 6 knives and 6 forks—Steak blade knives with nickel-plated solid handles and stainless steel blades . . . four-tine nickel silver flat handle forks.

KB 059—Knives and Forks—Weight per set 2 lbs. Per Set \$2.50

One set in a carton.

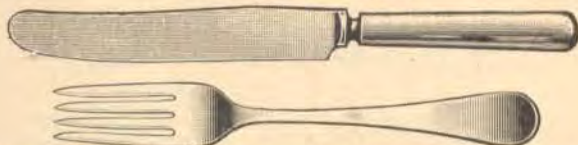


Spoons—Light weight.

Nos.	Each	Pieces	Weight Per Dozen, Lbs.
KB 059	\$0.10	Tea Spoons	¾
KB 059	.19	Table Spoons	1½
KB 059	.15	Dessert Spoons	1¼

One dozen in a carton.

WINDSOR PATTERN



Set of 6 knives and 6 forks—Knives with tempered steel steak blades with plain handles . . . medium weight four-tine flat handle forks.

KB 88—Knives and Forks—Weight per set 2½ lbs. Per Set \$2.95

One set in a carton.



Spoons—Medium Weight

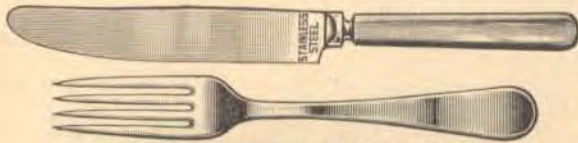
Nos.	Each	Pieces	Weight Per Dozen, Lbs.
KB 88	2 for \$0.15	Tea Spoons	1
KB 88	15c Each	Table Spoons	2
KB 88	15c Each	Dessert Spoons	1½

One dozen in a carton.

When ordering—specify item wanted.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

TABLE CUTLERY



STAINLESS STEEL THROUGHOUT

Set of 6 knives and 6 forks—Steak blade knives are two-piece construction, firmly welded together . . . have appearance of one-piece knives. Windsor pattern fork, four-tine stainless steel.

KB 2270SS—Knives and Forks—Weight per set 2 lbs. Per Set \$2.95

One set in a carton.



STAINLESS STEEL THROUGHOUT

Nos.	Each	Pieces	Length, Inches	Weight Per Dozen, Lbs.
KB 2270	\$0.15	Tea Spoons	6	¾
KB 2271	.25	Dessert Spoons	7	1¼

One dozen in a carton.

When ordering—specify name of item wanted.



STAINLESS STEEL BLADE KNIVES

Set of 6 knives and 6 forks—Steak blade. Round end solid steel handle. Two-piece knives. Four-tine retinned flat handle fork.

KB 7310—Knives and Forks—Weight per set 1¾ lbs. Per Set \$1.19

One-twelfth gross (six knives and six forks) in a carton.



STAINLESS STEEL BLADE

Set of 6 knives and 6 forks in a pleasingly simple style easy to keep clean and shining. With steak blades . . . round end solid steel handles, nickel plated. Four-tine nickel silver flat handle forks.

KB 381—Knives and Forks—Weight per set 1¾ lbs. Per Set \$1.95

One set in a carton.



STAINLESS STEEL BLADES AND TINES SILVER-PLATED HANDLES

Set of 6 knives and 6 forks—with silver-plated solid steel handles . . . plain round-end style. Steak blade knives and four-tine Jumbo forks.

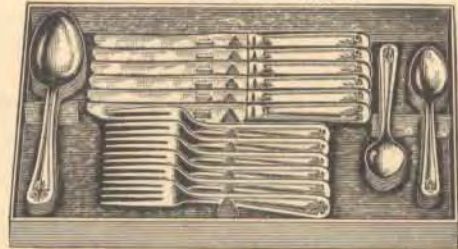
KB 160S—Knives and Forks—Weight per set 2½ lbs. Per Set \$2.49

One set in a carton.

* Goods marked thus (*) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SILVERWARE SETS UNIVERSAL 30-PIECE Stainless Steel Blades



Attractive every day set for home, club and camp use. The floral design is just enough to dress up the table setting. Forks, tea and table spoons are plated on steel blanks and will give satisfactory service with ordinary care. Knives have stainless steel blades, and silver-plated solid steel handles.

The set of 6 knives, 6 forks, 12 tea spoons, and 6 table spoons fits into a convenient box.

KB 1430—Weight per set 3¼ lbs. Per Set \$2.69

One set in a raked cardboard box.

SILVERWARE ASSORTMENTS

WALLACE

"THE SILVER SALESMAN"
72-Piece Assortments



LENOX PATTERN

All pieces are guaranteed pure silver plated on 18% nickel silver base metal. Bowls and tines are finished bright, handles gray. Dinner knives with solid handles.

Assortment consists of:

- 36 Tea spoons
- 12 Dessert spoons
- 12 Forks
- 12 Knives

Each piece individually wrapped in tarnish-preventive tissue paper.

* **KB 72—Weight per assortment 6½ lbs.**

Put up in a compact stock and display container, handy for self-service. Display box 14¼x10¼x2¼ inches, with display panel that pulls forward for access to stock compartment.

One assortment in corrugated box.

OPEN STOCK FOR REFILLS

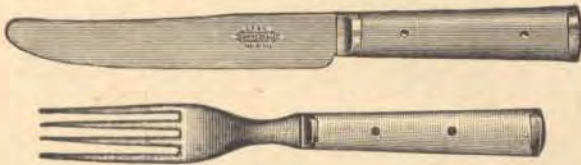
Nos.	Each	Pieces	Weight Per Dozen, Lbs.	No. Dozen in Carton
* KB 73	\$0.12	Tea Spoons	¾	3
* KB 74	.12	Dessert (serving) Spoons	½	2
* KB 75	.12	Soup Spoons (Round bowl)	1½	2
* KB 76	.12	Dinner Forks	1	2
* KB 77	.15	Table Knives	2½	1
* KB 78	.12	Butter Knives	1½	2
* KB 79	.12	Sugar Spoons	1¾	2



TABLE CUTLERY

KNIFE AND FORK SETS

CARBON STEEL BLADES—GLAZED FINISH

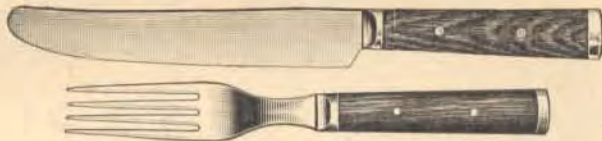


White Bone Handles

Set of 6 knives and 6 forks—steak blades . . . plain metal bolsters and caps. Handles 3½ inches long. 4-tine forks.

KB 0466—Knives and Forks. Weight per gross 24 lbs. **Per Set \$2.89**

One-twelfth gross (6 knives and 6 forks) in a carton.



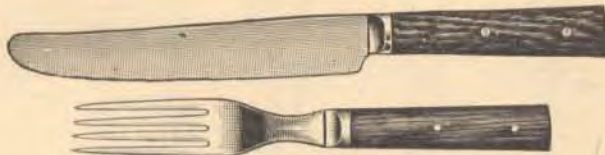
Cocoa Handles

Set of 6 knives and 6 forks—steak blades . . . plain metal bolsters and caps . . . handles 3½ inches long. 4-tine forks.

KB 0266—Knives and Forks. Weight per gross 21 lbs. **Per Set \$1.69**

One-twelfth gross (6 knives and 6 forks) in a carton.

KB 0266½—Knives only. Weight per gross 21 lbs. **Each \$0.15**



Cocoa Handles

Set of 6 knives and 6 forks—steak blades . . . plain metal bolsters . . . handles 3½ inches long. 4-tine forks.

KB 266—Knives and Forks. Weight per gross 21 lbs. **Per Set \$1.49**

One-twelfth gross (6 knives and 6 forks) in a box.



Cocoa Handles

Set of 6 knives and 6 forks—steak blades . . . handles 3½ inches long. 4-tine forks.

KY 265—Knives and Forks. Weight per gross 21 lbs. **Per Set \$0.98**

One-twelfth gross (6 knives and 6 forks) in a carton.

KB 265½—Knives only. Weight per gross 21 lbs. **Each \$0.10**

One-twelfth gross in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KNIFE AND FORK SETS



SIMMONS

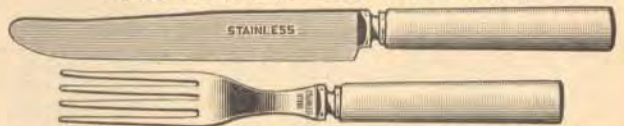
Cocobola Handles 3¾ Inches Long

Set of 6 knives and 6 forks—stainless steel steak blades . . . 4-tine stainless steel forks . . . fancy metal bolsters and caps . . . full tang.

KB S322—Knives and Forks. Weight per gross 24 lbs. **Per Set \$2.95**

One-twelfth gross (6 knives and 6 forks) in a carton.

STAINLESS STEEL WITH COLORED CATALIN HANDLES



Set of 6 knives and 6 forks—stainless steel steak knives. Strong 4-tine stainless steel forks . . . hollow bolsters. Handles made of Catalin, a beautiful, transparent substance that is non-inflammable . . . choice of colors.

Steak Knives and Forks

Nos.	Per Set	Color of Handles
KB 820GKF	\$1.09	Green
KB 820IKF	1.09	Ivory
KB 820XKF	1.09	Onyx
KB 820RFK	1.09	Red

Set of one dozen in a carton. Weight per set 2 lbs.

Steak Knives Only

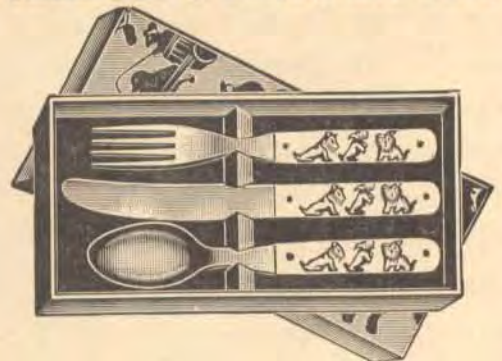
KB 820GK	\$0.10	Green
KB 820IK	.10	Ivory
KB 820XK	.10	Onyx
KB 820RK	.10	Red

Medium Forks Only

KB 820GF	\$0.10	Green
KB 820IF	.10	Ivory
KB 820XF	.10	Onyx
KB 820RF	.10	Red

One dozen in a carton. Weight per dozen 2 lbs.

CHILDREN'S FLATWARE SETS



The youngsters will love a set for their very own—and mind their manners, too! The smoothly finished steel knife, fork and spoon have white scale tang handles with assorted Snow White characters or Scotty Dogs illustrated in color on each piece.

Knife is 5¾ inches long, fork and spoon each 5¼ inches long. Light in weight, easy to handle. Each set in an attractive box with child-interest pictures lithographed all over in colors.

KB CS1—Weight per dozen sets 1½ lbs. **Per Set \$0.25**

One dozen in a carton.

SILVERWARE ASSORTMENTS
WALLACE

"READY SELLER"
72-Piece Assortments



FLORETTE PATTERN

This beautiful pattern has just enough design to make it ornamental, yet is easy to clean. Pure silver is plated on the rolled steel nickel-plated base. Bowls and tines finished bright, handles gray. Dinner knives with stainless steel blade and solid handle.

Assortment consists of:

- 36 Tea spoons
- 12 Dessert spoons
- 12 Forks
- 12 Knives

Each piece individually wrapped in tarnish preventive tissue paper.

KB 34—Weight per assortment 7 lbs.

Black and red display box 12% \times 10% \times 2% inches with a convenient compartment in back for stock pieces.

One assortment in corrugated box.



SILVER PLATED WARE SETS
SIMEON L. AND GEORGE H. ROGERS CO.
XTRA SILVER PLATE

Made and guaranteed by Oneida, Ltd. . . . an outstanding value in silverware that carries an unlimited guarantee for full replacement, if satisfactory service in ordinary family use is not given.

All pieces are plated with pure silver on the finest 18% nickel-silver base . . . principal pieces have extra overlays of pure silver at the wearing points. Knives have light weight, hollow handles and mirror stainless steel blades.



The Winston Chest—beautiful solid wood chest 14½ \times 10½ inches . . . warm walnut tone finished case, lined with bright red duvetyn, set off by buff color—approved by Good Housekeeping Institute.

You get this Winston chest and 26 pieces of flatware in this special offer at

\$9.95

per set

Complete with:

- 6 knives
- 6 forks
- 6 tea spoons
- 6 dessert or soup spoons
- 1 sugar shell
- 1 table knife

OPEN STOCK FOR REFILLS

Nos.	Each	Pieces	Weight Per Dozen, Lbs.	No. Dozen in Carton
KB 35	\$0.07	Tea Spoons	¾	3
KB 36	.07	Dessert (serving) Spoons	1¼	2
KB 37	.07	Dinner Forks	1	2
KB 38	.12	Dinner Knives	2½	1
KB 39	.07	Table Spoons	1½	2
KB 40	.07	Butter Knives	1½	1
KB 41	.07	Sugar Spoons	1¾	1
KB 42	.07	Salad or Pastry Forks	2	2
KB 43	.07	Soup Spoons (Round bowl)	1½	2
KB 44	.07	Iced Tea or Soda Spoons	1	2

In Choice of These Three Patterns



Sunrise—(at left). Graceful and sparkling in design with delicate fluting and smart center decoration.

Bounty—(center). Traditional elegance and dignity in a pattern combining simplicity of outline with richness of decoration.

Encore—(at right). The delicate work of the skilled craftsman, the shapely outline and polished planes give this design truly feminine appeal.

Nos.	Per Set	Type Knife
KB 26S	\$9.95	Dinner Grille
KB 26SG	9.95	
KB 26B	9.95	Dinner Grille
KB 26BG	9.95	
KB 26E	9.95	Dinner Grille
KB 26EG	9.95	

Weight per set 4½ lbs.
One set in a carton.

Polly Prim **KITCHEN ACCESSORIES**
MAKE HOUSEWORK LIGHTER AND EASIER

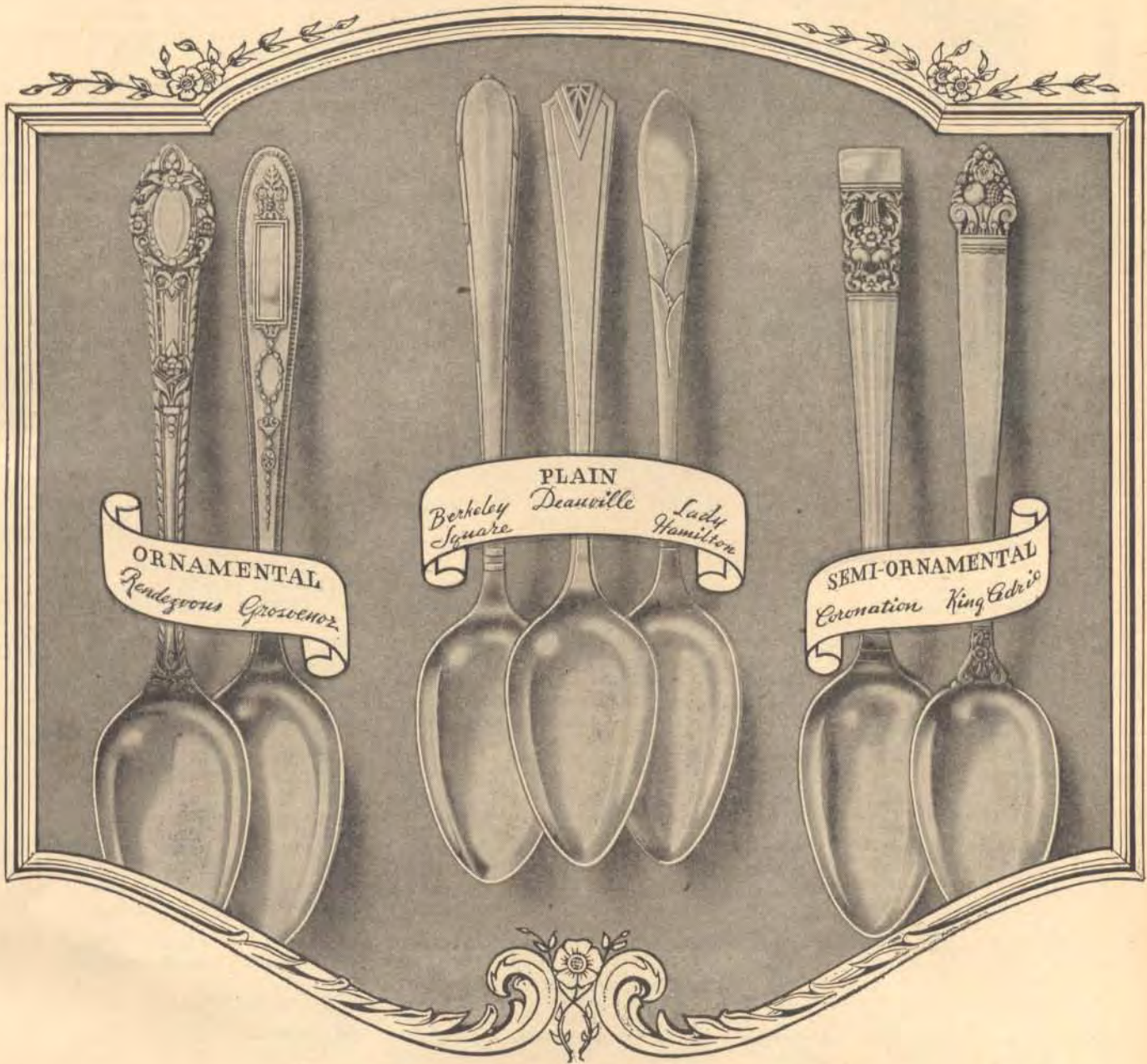
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SILVER-PLATED WARE

COMMUNITY PLATE BY ONEIDA, LTD.



BEAUTY

For a beautiful, elegant table choose any one of the patterns designed by master craftsmen, with ornamental, semi-ornamental, and plain carving.

QUALITY

Nationally advertised, universally recognized. Assured by fine materials—guaranteed by Oneida, Ltd.—approved by Good Housekeeping Institute.

SERVICE

Years of satisfaction from the heavy silver plate over 18 per cent nickel base, with extra silver completely covering the "area of wear".

- For the beauty, quality and years of excellent service—Community Plate stands out as an unusual value for its low cost.
- Choose the pattern you want in services for 6 to 12, or individual pieces.
- All patterns can be furnished in a handsome tarnish-proof chest with fade-proof lining that keeps your silverware gleaming.

COMMUNITY PLATE SILVERWARE

With the Free Colonial Chest!



Many beautiful Community Patterns are offered with the Colonial Chest. Choose the size set you have always wanted, then pick the pattern you wish.

All sets have hollow handle knives with DeLuxe stainless steel blades.

Hollow handle dessert knives are the same price as dinner knives.

The Tarnish-Proof Colonial Chest—With Fade-Proof Lining

Approved by Good Housekeeping Institute

This solid wood chest faithfully interprets the Spirit of Old Colonial Days. The cover is decorated with a gorgeous effect of Crotch mahogany inlay in perfect harmony with the warm-toned brown mahogany finish. Luxuriously lined in Royal Crimson Velveteen and White Satin, with rack and individual holders for your silverware.

Rendez-vous	Coronation	Berkeley Square	Lady Hamilton	King Cedric	Deauville	Grosvenor	Per Set	Type Knife
26-PIECE COLONIAL CHEST (SERVICE FOR 6)								
Contents: 6 knives, 6 forks, 6 teaspoons, 6 oval soup spoons, 1 butter knife, 1 sugar spoon.								
2426G02	2326G02	2126G02	1826G02	1926G02	1526G02	#1126G02	\$29.75	Grille
242602	232602	212602	182602	192602	152602	#112602	29.75	Dinner
#29-PIECE COLONIAL CHEST (SERVICE FOR 6)								
Contents: 6 knives, 6 forks, 12 teaspoons, 3 serving spoons, 1 butter knife, 1 sugar spoon.								
#2429G02	#2329G02	#2129G02	#1829G02	#1929G02	#1529G02	#1129G02	29.75	Grille
#242902	#232902	#212902	#182902	#192902	#152902	#112902	29.75	Dinner
#35-PIECE COLONIAL CHEST (SERVICE FOR 6)								
Contents: 6 knives, 6 forks, 12 teaspoons, 6 salad forks, 3 serving spoons, 1 butter knife, 1 sugar spoon.								
#2435G02	#2335G02	#2135G02	#1835G02	#1935G02	#1535G02	#1135G02	34.75	Grille
#243502	#233502	#213502	#183502	#193502	#153502	#113502	34.75	Dinner
37-PIECE COLONIAL CHEST (SERVICE FOR 8)								
Contents: 8 knives, 8 forks, 8 teaspoons, 8 oval soup spoons, 3 serving spoons, 1 butter knife, 1 sugar spoon.								
2437G03	2337G03	2137G03	1837G03	1937G03	1537G03	#1137G03	39.75	Grille
243703	233703	213703	183703	193703	153703	#113703	39.75	Dinner
#45-PIECE COLONIAL CHEST (SERVICE FOR 8)								
Contents: 8 knives, 8 forks, 16 teaspoons, 8 salad forks, 3 serving spoons, 1 butter knife, 1 sugar spoon.								
#2445G03	#2345G03	#2145G03	#1845G03	#1945G03	#1545G03	#1145G03	44.00	Grille
#244503	#234503	#214503	#184503	#194503	#154503	#114503	44.00	Dinner
#53-PIECE COLONIAL CHEST (SERVICE FOR 8)								
Contents: 8 knives, 8 forks, 16 teaspoons, 8 salad forks, 8 oval soup spoons, 3 serving spoons, 1 butter knife, 1 sugar spoon.								
#2453G038	#2353G038	#2153G038	#1853G038	#1953G038	#1553G038	#1153G038	49.75	Grille
#2453038	#2353038	#2153038	#1853038	#1953038	#1553038	#1153038	49.75	Dinner
#53-PIECE COLONIAL CHEST (SERVICE FOR 12)								
Contents: 12 knives, 12 forks, 12 teaspoons, 12 oval soup spoons, 3 serving spoons, 1 butter knife, 1 sugar spoon.								
#2453G0312	#2353G0312	#2153G0312	#1853G0312	#1953G0312	#1553G0312	#1153G0312	54.75	Grille
#24530312	#23530312	#21530312	#18530312	#19530312	#15530312	#11530312	54.75	Dinner

ALLOWED SUBSTITUTIONS:

- (a) For salad forks—oyster forks, or individual butter or cheese knives, or iced drink spoons.
- (b) For oval soup spoons—round bowl soup spoons, or cream soup spoons, or serving (table) spoons).
- (c) For butter knife and sugar spoon—2 serving (table) spoons.

EMPTY COLONIAL CHESTS

Nos.	Each
#102—for 26-piece sets only.....	\$6.00
#103—for all sets above 26 pieces.....	7.00

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VALUE-GIVING COMMUNITY PLATE SILVERWARE

With the Free Aristocrat Chest

The standard services are also available with the charming Aristocrat chest, in any Community pattern. Choose the set you want, as listed below, in one of these beautiful patterns.

All knives are hollow handle with DeLuxe stainless steel blades.

Hollow handle dessert knives are the same price as dinner knives.



THE TARNISH-PROOF ARISTOCRAT CHEST—WITH FADE-PROOF LINING

Approved by Good Housekeeping Institute

A solid wood chest, that is richly lacquered in two lovely tones of spring blue and lined in vivid turquoise blue velveteen and white satin. It is new, different, colorful. For display use or a gift, and the cabinet is built for durable service in the home.

Rendez-vous	Coronation	Berkeley Square	Lady Hamilton	King Cedric	Deauville	Grosvenor	Per Set	Type Knife
#26-PIECE ARISTOCRAT CHEST (SERVICE FOR 6)								
Contents: 6 teaspoons, 6 knives, 6 forks, 6 oval soup spoons, 1 butter knife, 1 sugar spoon.								
#2426G4	#2326G4	#2126G4	#1826G4	#1926G4	#1526G4	#1126G4	\$29.75	Grille
#24264	#23264	#21264	#18264	#19264	#15264	#11264	29.75	Dinner
#29-PIECE ARISTOCRAT CHEST (SERVICE FOR 6)								
Contents: 6 teaspoons, 6 knives, 6 forks, 6 oval soup spoons, 1 butter knife, 1 sugar spoon, 3 serving spoons.								
#2429G5	#2329G5	#2129G5	#1829G5	#1929G5	#1529G5	#1129G5	29.75	Grille
#24295	#23295	#21295	#18295	#19295	#15295	#11295	29.75	Dinner
#35-PIECE ARISTOCRAT CHEST (SERVICE FOR 6)								
Contents: 12 teaspoons, 6 knives, 6 forks, 6 oval soup spoons, 1 butter knife, 1 sugar spoon, 3 serving spoons.								
#2435G5	#2335G5	#2135G5	#1835G5	#1935G5	#1535G5	#1135G5	34.75	Grille
#24355	#23355	#21355	#18355	#19355	#15355	#11355	34.75	Dinner
#37-PIECE ARISTOCRAT CHEST (SERVICE FOR 8)								
Contents: 8 teaspoons, 8 knives, 8 forks, 8 oval soup spoons, 1 butter knife, 1 sugar spoon, 3 serving spoons.								
#2437G5	#2337G5	#2137G5	#1837G5	#1937G5	#1537G5	#1137G5	39.75	Grille
#24375	#23375	#21375	#18375	#19375	#15375	#11375	39.75	Dinner
#45-PIECE ARISTOCRAT CHEST (SERVICE FOR 8)								
Contents: 16 teaspoons, 8 knives, 8 forks, 1 butter knife, 1 sugar spoon, 3 serving spoons, 8 salad forks.								
#2445G5	#2345G5	#2145G5	#1845G5	#1945G5	#1545G5	#1145G5	44.00	Grille
#24455	#23455	#21455	#18455	#19455	#15455	#11455	44.00	Dinner
#53-PIECE ARISTOCRAT CHEST (SERVICE FOR 8)								
Contents: 16 teaspoons, 8 knives, 8 forks, 8 oval soup spoons, 1 butter knife, 1 sugar spoon, 3 serving spoons, 8 salad forks.								
#2453G58	#2353G58	#2153G58	#1853G58	#1953G58	#1553G58	#1153G58	49.75	Grille
#245358	#235358	#215358	#185358	#195358	#155358	#115358	49.75	Dinner
#53-PIECE ARISTOCRAT CHEST (SERVICE FOR 12)								
Contents: 12 teaspoons, 12 knives, 12 forks, 12 oval soup spoons, 1 butter knife, 1 sugar spoon, 3 serving spoons.								
#2453G512	#2353G512	#2153G512	#1853G512	#1953G512	#1553G512	#1153G512	54.75	Grille
#2353512	#2353512	#2153512	#1853512	#1953512	#1553512	#1153512	54.75	Dinner

#EMPTY ARISTOCRAT CHESTS

#4—For 26-piece sets only.....	Each
#5—For all sets above 26 pieces.....	\$6.00
	7.00

ALLOWED SUBSTITUTIONS:

- (a) For oval soup spoons—round bowl soup spoons, or cream soup spoons, or serving (table) spoons.
- (b) For salad forks—oyster forks, or individual butter knives, or iced drink spoons.
- (c) For butter knife and sugar spoon—two serving (table) spoons.

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THE NEW TRAY CHEST

A Handsome Double-Duty Chest for Your Community Plate Silverware

Six different sets in services for six or eight are available in this efficient new chest—choose the size and kind of set you want in one of the many beautiful Community patterns.

Each set comes with grille or dinner knives, hollow handle, with De Luxe stainless steel blades. Hollow handle dessert knives are the same price as dinner knives.

USE THE TRAY-CHEST COVER AS A CHARMING, PRACTICAL SERVING TRAY

Approved by Good Housekeeping Institute

This space-saving, shallow tray-chest has two purposes. Most important is that it slips conveniently into the sideboard drawer to keep your silverware from tarnishing. Then it makes a very handy and most effective serving tray. It is finished in rich hand-rubbed brown mahogany and has a fade-proof lining and racks to hold the silverware pieces.



Rendez-vous	Coronation	Berkeley Square	Lady Hamilton	King Cedric	Deauville	Grosvenor	Per Set	Type Knife
#26-PIECE TRAY CHEST (SERVICE FOR 6)								
Contents: 6 teaspoons, 6 dessert spoons, 6 hollow handle knives, 6 forks, 1 butter knife, 1 sugar spoon.								
#2426G6	#2326G6	#2126G6	#1826G6	#1926G6	#1526G6	#1126G6	\$29.75	Grille
#24266	#23266	#21266	#18266	#19266	#15266	#11266	29.75	Dinner

#29-PIECE TRAY CHEST (SERVICE FOR 6)								
Contents: 6 teaspoons, 6 dessert spoons, 6 hollow handle knives, 6 forks, 6 salad forks, 1 butter knife, 1 sugar spoon.								
#2429G6	#2329G6	#2129G6	#1829G6	#1929G6	#1529G6	#1129G6	29.75	Grille
#24296	#23296	#21296	#18296	#19296	#15296	#11296	29.75	Dinner

#35-PIECE TRAY CHEST (SERVICE FOR 6)								
Contents: 12 teaspoons, 3 serving spoons, 6 hollow handle knives, 6 forks, 6 salad forks, 1 butter knife, 1 sugar spoon.								
#2435G6	#2335G6	#2135G6	#1835G6	#1935G6	#1535G6	#1135G6	34.75	Grille
#24356	#23356	#21356	#18356	#19356	#15356	#11356	34.75	Dinner

#37-PIECE TRAY CHEST (SERVICE FOR 8)								
Contents: 8 teaspoons, 8 dessert spoons, 3 serving spoons, 8 hollow handle knives, 8 forks, 1 butter knife, 1 sugar spoon.								
#2437G6	#2337G6	#2137G6	#1837G6	#1937G6	#1537G6	#1137G6	39.75	Grille
#24376	#23376	#21376	#18376	#19376	#15376	#11376	39.75	Dinner

#45-PIECE TRAY CHEST (SERVICE FOR 8)								
Contents: 8 teaspoons, 8 dessert spoons, 3 serving spoons, 8 hollow handle knives, 8 forks, 8 salad forks, 1 butter knife, 1 sugar spoon.								
#2445G6	#2345G6	#2145G6	#1845G6	#1945G6	#1545G6	#1145G6	44.00	Grille
#24456	#23456	#21456	#18456	#19456	#15456	#11456	44.00	Dinner

#53-PIECE TRAY CHEST (SERVICE FOR 8)								
Contents 16 teaspoons, 8 dessert spoons, 3 serving spoons, 8 hollow handle knives, 8 forks, 1 butter knife, 1 sugar spoon.								
#2453G6	#2353G6	#2153G6	#1853G6	#1953G6	#1553G6	#1153G6	49.75	Grille
#24536	#23536	#21536	#18536	#19536	#15536	#11536	49.75	Dinner

EMPTY TRAY CHESTS

#6—With Protecto-Pane Each \$6.00

ALLOWED SUBSTITUTIONS:

- For oval soup spoons—round bowl soup spoons, or cream soup spoons, or serving (table) spoons.
- For salad forks—oyster forks, or individual butter knives, or iced drink spoons.
- For butter knife and sugar spoon—two serving (table) spoons.

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THE IMPERIAL CHEST—

A Fitting Case for Community Plate Silverware, the Reigning Favorite

Regal in beauty and unbelievably low priced, these large sets offer outstanding values. The 62-piece set gives you just the pieces you want for a service for eight that is ideal for your best "company" use. And better still are the larger services for dinner parties and the family's holiday dinners.

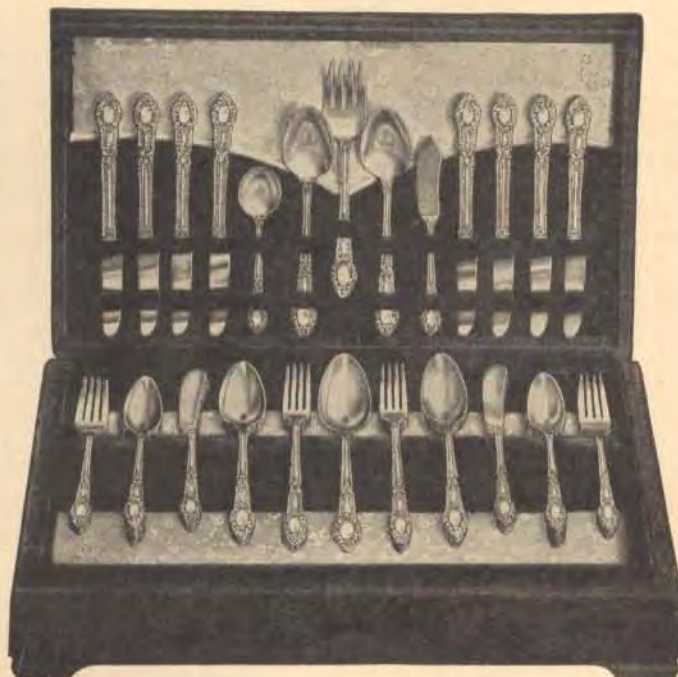
Knives are hollow handle with DeLuxe stainless steel blades.

Hollow handle dessert knives are the same price as dinner knives.

**The Tarnish-Proof Imperial Chest—
Fade-Proof Lining**

Approved by Good Housekeeping Institute

The Imperial chest is a true aristocrat. It is constructed of solid wood, hand-rubbed to a glossy walnut finish. The lining is a rich deep Burgundy colored velveteen and white satin, with rack and individual holders for your silverware.



Rendezvous	Coronation	Berkeley Square	Lady Hamilton	King Cedric	Deauville	Grosvenor	Per Set	Type Knife
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62-PIECE IMPERIAL CHEST (SERVICE FOR 8)

Contents: 8 knives, 8 forks, 16 teaspoons, 8 salad forks, 8 oval soup spoons, 8 individual butter or cheese knives, 3 serving spoons, 1 cold meat fork, 1 butter knife, 1 sugar spoon.

#2462G06	#2362G06	#2162G06	#1862G06	#1962G06	#1562G06	#1162G06	\$59.75	Grille
246206	236206	216206	186206	196206	156206	#116206	59.75	Dinner

#73-PIECE IMPERIAL CHEST (SERVICE FOR 8)

Contents: 8 knives, 8 forks, 16 teaspoons, 8 salad forks, 8 oval soup spoons, 8 individual butter or cheese knives, 8 iced drink spoons, 1 pierced pastry server, 3 serving spoons, 1 cold meat fork, 1 gravy ladle, 1 pickle fork, 1 butter knife, 1 sugar spoon.

#2473G06	#2373G06	#2173G06	#1873G06	#1973G06	#1573G06	#1173G06	74.75	Grille
#247306	#237306	#217306	#187306	#197306	#157306	#117306	74.75	Dinner

#66-PIECE IMPERIAL CHEST (SERVICE FOR 12)

Contents: 12 knives, 12 forks, 12 teaspoons, 12 salad forks, 12 oval soup spoons, 3 serving spoons, 1 cold meat fork, 1 butter knife, 1 sugar spoon.

#2466G06	#2366G06	#2166G06	#1866G06	#1966G06	#1566G06	#1166G06	69.75	Grille
#246606	#236606	#216606	#186606	#196606	#156606	#116606	69.75	Dinner

#94-PIECE IMPERIAL CHEST (SERVICE FOR 12)

Contents: 12 knives, 12 forks, 12 teaspoons, 12 salad forks, 12 oval soup spoons, 12 iced drink spoons, 12 individual butter knives or cheese knives, 1 pierced pastry server, 4 serving spoons, 1 cold meat fork, 1 gravy ladle, 1 pickle fork, 1 butter knife, 1 sugar spoon.

#2494G06	#2394G06	#2194G06	#1894G06	#1994G06	#1594G06	#1194G06	102.50	Grille
#249406	#239406	#219406	#189406	#199406	#159406	#119406	102.50	Dinner

ALLOWED SUBSTITUTIONS:

- For salad forks—oyster forks, or individual butter or cheese knives, or iced drink spoons.
- For oval soup spoons—round bowl soup spoons, or cream soup spoons, or serving (table) spoons.
- For iced drink spoons—bouillon spoons, or oyster forks, or orange spoons.
- For individual butter or cheese knives—iced drink spoons, or oyster forks.
- For butter knife and sugar spoon—2 serving (table) spoons.

#EMPTY IMPERIAL CHESTS

#106 Each \$10.00

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COMMUNITY PLATE SILVERWARE

With the Free De Luxe Royal Mahogany Chest



A DeLuxe chest for two luxurious dinner services! A complete service for twelve is available in a 117-piece or the regal 170-piece set. The fine Community Plate patterns show to excellent advantage on the graceful, delicately balanced serving pieces and sets of special spoons, individual knives and forks. Each piece is so well made and silver plated that you are assured years and years of pleasing, satisfactory service.

The knives are hollow handle with DeLuxe stainless steel blades.

Dessert knives are the same as the dinner knives.

The DeLuxe Royal Mahogany Chest

**Tarnish-proof, Fade-proof, and Approved by
Good Housekeeping Institute**

The DeLuxe mahogany chest is extremely beautiful. Lined in lustrous royal blue velveteen accented by white satin. It is built to proportions (15½x20½ inches), large enough to accommodate your complete service, and keep it beautiful and shining.

Rendez-vous	Coronation	Berkeley Square	Lady Hamilton	King Cedric	Deauville	Grosvenor	Per Set	Type Knife
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#117 PIECE DE LUXE ROYAL MAHOGANY CHEST (SERVICE FOR 12)

Contents: 12 knives, 12 forks, 24 teaspoons, 12 salad forks, 12 oval soup spoons, 12 iced drink spoons, 12 individual butter or cheese knives, 12 oyster forks, 1 pierced pastry server, 4 serving spoons, 1 cold meat fork, 1 gravy ladle, 1 butter knife, 1 sugar spoon.

#24117G2	#23117G2	#21117G2	#18117G2	#19117G2	#15117G2	#11117G2	\$120.00	Grille
#241172	#231172	#211172	#181172	#191172	#151172	#111172	120.00	Dinner

#170 PIECE DE LUXE ROYAL MAHOGANY CHEST (SERVICE FOR 12)

Contents: 12 knives, 12 forks, 24 teaspoons, 12 salad forks, 12 oval soup spoons, 12 iced drink spoons, 12 individual butter or cheese knives, 12 oyster forks, 12 cream soup spoons, 12 orange spoons, 12 after-dinner coffee spoons, 12 five-o'clock teaspoons, 1 pierced pastry server, 1 pierced round server, 6 serving spoons, 1 two-piece game set, 1 cold meat fork, 1 gravy ladle, 1 butter knife, 1 sugar spoon.

#24170G2	#23170G2	#21170G2	#18170G2	#19170G2	#15170G2	#11170G2	\$170.00	Grille
#241702	#231702	#211702	#181702	#191702	#151702	#111702	170.00	Dinner

EMPTY DE LUXE ROYAL MAHOGANY CHESTS

#2.....Each \$12.00

ALLOWED SUBSTITUTIONS:

- For salad forks—oyster forks, or individual butter or cheese knives, or iced drink spoons.
- For oval soup spoons—round bowl soup spoons, or cream soup spoons, or serving (table) spoons.
- For iced drink spoons—bouillon spoons, or oyster forks, or orange spoons.
- For individual butter or cheese knives—iced drink spoons, or oyster forks.
- For butter knife and sugar spoon—2 serving (table) spoons.

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COMMUNITY PLATE SILVERWARE FOR CHILDREN



The Lady Hamilton
3-Piece Food-Master Baby Set

FOOD-MASTER SILVERWARE

For dainty, charming gifts choose this shining silverware in crystal top boxes tied with white satin ribbons. Each piece is scientifically designed for easy, natural handling by small fingers. And they come in pretty patterns, just like Mother's Community Plate set!

TWELVE-ITEM ASSORTMENT

With Free Display and the following pieces in crystal boxes:

- 6 Food-Master Baby Spoons (2 each Coronation and Lady Hamilton, 1 each Rendezvous and Berkeley Square) Each \$1.00
- 3 Two-Piece Food-Master Baby Spoon and Fork Sets (1 each Rendezvous, Coronation and Lady Hamilton)..... Per Set \$1.75
- 1 Three-Piece Food-Master Baby Set—Spoon, Fork and Flat Knife (1 Coronation)..... Per Set \$2.50
- 2 Three-Piece Food-Master Child's Sets—Spoon, Fork and Hollow Handle Grille Knife, DeLuxe Stainless (1 each Coronation and Lady Hamilton) Per Set \$3.00

#4—Weight per assortment 3 lbs. With durable wire-frame display rack.



The Coronation
3-Piece Food-Master Child's Set



INDIVIDUAL CHILD AND BABY ITEMS—IN CRYSTAL CASES

	Rendezvous	Coronation	Berkeley Square	Lady Hamilton	Deauville	Grosvenor	Per Set	Weight Each, Lb.
Baby Spoon (bent handle)	#24801	23801	#21801	18801	#15801	#11801	\$1.00	1/4
FOOD-MASTER								
Baby Spoons	#24819	#23819	#21819	#18819			1.00	1/4
Baby Forks	#24519	#23519	#21519	#18519			1.00	1/4
								Wt. Per Set, Lb.
Baby Spoon and Fork	#24190019	#23190019	#21190019	#18190019			1.75	1/4
Baby Spoon, Flat Knife and Fork	#24191919	#23191919	#21191919	#18191919			2.50	3/8
3-Piece Child's Set (Spoon, Fork and Hollow Handle Grille Knife, DeLuxe Stainless)	#24026511	#23026511	#21026511	#18026511			3.00	1/2
#9007—Assortment of six Child's Cups. Including 2 ornamented (Grosvenor), 2 plain (Classic), and 2 engraved ("Baby"). Weight per assortment 3 lbs.....							Each	\$2.50

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COMMUNITY PLATE FLATWARE—Open Stock

Silverware for Every Serving Need—For Correct Serving and a Beautiful Table!

Design Name	King Cedric	Deauville	Grosvenor	Per Set of 6
SPOONS				
Tea	19836	15836	11836	\$ 3.50
Dessert or Oval Bowl Soup	19809	15809	11809	7.00
Table or Serving	19835	15835	11835	7.00
Soup (Round Bowl)	19831	15831	11831	7.00
Cream Soup	# 19808	# 15808	# 11808	7.00
After Dinner Coffee	# 19800	# 15800	# 11800	3.25
5 O'Clock Tea or Sherbet	19811	15811	# 11811	3.25
Bouillon or Consomme	19805	15805	11805	5.50
Iced Drink	19817	15817	11817	7.00
Orange or Grapefruit	# 19821	# 15821	.....	5.50
				Each
Sugar	19833	15833	11833	1.25
FORKS				
				Per Set of 6
Grille	19517	15517	# 11517	7.00
Dinner	19511	15511	11511	7.00
Dessert (Breakfast or Luncheon)	19509	15509	# 11509	7.00
Cocktail or Oyster	19522	15522	# 11522	7.00
Salad or Pastry	19525	15525	11525	7.00
				Each
Pickle or Olive	19523	# 15523	# 11523	1.00
Cold Meat or Serving	19507	15507	11507	2.00
MISCELLANEOUS				
				Per Set of 6
Individual Butter or Cheese Knives	19400	15400	11400	7.00
				Each
Butter Knife	19401	15401	11401	1.25
Pastry Server, Pierced	# 19724	# 15724	# 11724	3.00
Round Server, Pierced	# 19729	# 15729	.....	2.00
Pie or Ice Cream Server (Hollow Handle)	19667	15667	# 11667	3.00
				Per Set
Butter and Sugar Set	190133	150133	110133	2.50
LADLES				
				Each
Serving or Gravy	19707	15707	11707	2.00
Serving or Soup (Hollow Handle)	.....	# 15760	# 11760	5.50
KNIVES				
				Per Set of 6
(DeLuxe Stainless Blades, Hollow Handle)				
Grille	19645	15645	# 11645	12.50
Dinner	19650	15650	11650	12.50
Dessert	# 19640	# 15640	# 11640	12.50
KNIFE AND FORK SETS				
				Per Set of 12
(DeLuxe Stainless Knives, Hollow Handle, and Forks)				
6 Grille Knives and 6 Forks	# 191745	# 151745	# 111745	19.50
6 Dinner Knives and 6 Forks	191150	151150	111150	19.50
6 Dessert Knives and 6 Forks	# 190940	# 150940	# 110940	19.50
CARVERS				
				Per Set
(DeLuxe Stainless Blades) (Packed in Protecto-Rolls)				
Steak (3-Piece Set) hollow handle knife with 5-inch blade, fork, sharpener.	# 19313179	# 15313179	# 11313179	6.75
Game (3-Piece Set) hollow handle knife with 7-inch blade, fork, sharpener.	# 19323280	# 15323280	# 11323280	8.50
Double Service (4-Piece Set) 2 hollow handle knives (7- and 9-inch blades), large fork, sharpener.	# 1930308012	# 1530308012	# 1130308012	14.00
Large (3-Piece Set) hollow handle knife, fork, sharpener.	# 19303080	# 15303080	# 11303080	9.75

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COMMUNITY PLATE FLATWARE—Open Stock

Complete Your Set With These Beautiful Matching Pieces!

Design Name	Rendezvous	Coronation	Berkeley Square	Lady Hamilton	Set of 6
SPOONS					
Tea	24886	23836	21836	18836	\$3.50
Dessert or Oval Bowl Soup	24809	23809	21809	18809	7.00
Table or Serving	24835	23835	21835	18835	7.00
Soup (Round Bowl)	24831	23831	21831	18831	7.00
Cream Soup	# 24808	# 23808	21808	# 18808	7.00
After Dinner Coffee	# 24800	# 23800	# 21800	# 18800	3.25
5 O'Clock Tea or Sherbet	24811	23811	21811	18811	3.25
Bouillon or Consomme	24805	23805	21805	18805	5.50
Iced Drink	24817	23817	21817	18817	7.00
Orange or Grapefruit	# 24821	# 23821	# 21821	# 18821	5.50
Large Berry or Serving	24804	# 23804	21804	18804	Each 2.00
Serving	# 24834	# 23834	# 21834	# 18834	1.17
Sugar	24833	23833	21833	18833	1.25
FORKS					
Grille	24517	23517	21517	18517	Set of 6 7.00
Dinner	24511	23511	21511	18511	7.00
Dessert (Breakfast or Luncheon)	24509	23509	21509	18509	7.00
Cocktail or Oyster	24522	23522	21522	18522	7.00
Salad or Pastry	24525	23525	21525	18525	7.00
Ice Cream or Sherbet	# 24516	# 23516	# 21516	# 18516	5.50
Pickle or Olive	24523	23523	# 21523	18523	Each 1.00
Cold Meat or Serving	24507	23507	21507	18507	2.00
MISCELLANEOUS					
Individual Butter or Cheese Knives	24400	23400	21400	18400	Set of 6 7.00
Butter Knife	24401	23401	21401	18401	Each 1.25
Sugar Tongs	# 24727	# 23727	# 21727	# 18727	1.50
Small Server (Jelly Server)	# 24723	# 23723	# 21723	# 18723	1.50
Pastry Server, Pierced	24724	# 23724	# 21724	# 18724	3.00
Round Server, Pierced	# 24729	# 23729	# 21729	# 18729	2.00
Pie or Ice Cream Server (Hollow Handle)	24667	23667	21667	18667	3.00
Butter and Sugar Set	240133	230133	210133	180133	Per Set 2.50
Game Shears (Plated Blade)	# 24745	# 23745	# 21745	# 18745	Per Pair 12.00
LADLES					
Serving or Gravy	24707	23707	21707	18707	Each 2.00
Serving or Soup (Hollow Handle)	# 24760	# 23760	# 21760	# 18760	5.50
KNIVES					
(DeLuxe Stainless Blades, Hollow Handle)					
Grille	24645	23645	21645	18645	Set of 6 12.50
Dinner	24650	23650	21650	18650	12.50
Dessert	# 24640	# 23640	# 21640	# 18640	12.50
Salad	.....	# 23669	# 21669	# 18669	10.00
Tea	.....	# 23659	# 21659	# 18659	10.00
Fruit	.....	# 23649	# 21649	# 18649	10.00
KNIFE AND FORK SETS					
(DeLuxe Stainless Knives, Hollow Handle, and Forks)					
6 Grille Knives and 6 Forks	241745	# 231745	# 211745	# 181745	Set of 12 19.50
6 Dinner Knives and 6 Forks	241150	231150	211150	181150	19.50
6 Dessert Knives and 6 Forks	# 240940	# 230940	# 210940	# 180940	19.50
CARVERS					
(DeLuxe Stainless Blades)					
(Packed in Protecto-Rolls)					
Steak (3-Piece Set) hollow handle knife with 5-inch blade, fork, sharpener.	# 24313179	# 23313179	# 21313179	# 18313179	Per set 6.75
Game (3-Piece Set) hollow handle knife with 7-inch blade, fork, sharpener.	# 24323280	# 23323280	# 21323280	# 18323280	8.50
Double Service (4-Piece Set) 2 hollow handle knives (7- and 9-inch blades), large fork, sharpener.	# 2430308012	# 2330308012	# 2130308012	# 1830308012	14.00
Large (3-Piece Set) hollow handle knife, fork, sharpener	# 24303080	# 23303080	# 21303080	# 18303080	9.75

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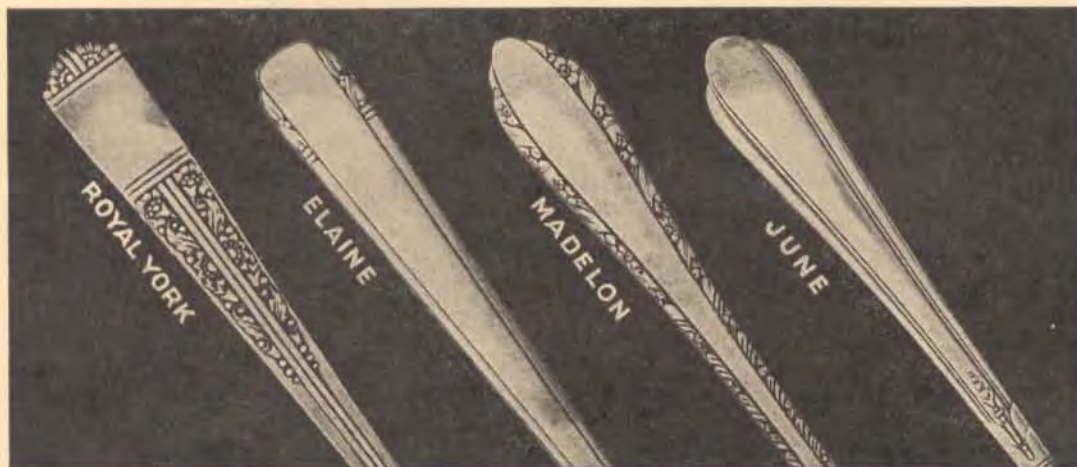
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TUDOR PLATE SILVERWARE

BY ONEIDA COMMUNITY SILVERSMITHS

- **Quality in medium priced Silverware**, made by the same designers, the same craftsmen, the same scientific method of plating as the famous Community Plate.
- **Buy Tudor Plate with confidence**—you know its makers, its value, its reputation for service and long wear.
- **Each piece sturdily constructed, heavily plated, balanced in shape and design . . .** easy to keep shining in tarnish-proof chests approved by Good Housekeeping.

Every Set Available in These Modern Tudor Patterns



Royal York—The most ornamental Tudor Pattern—the rich Royal York that will add a note of regal distinction to your table. Note the detailed carving.

Elaine—The plain center panel is done in the modern style with just a touch of the ornamental in the graceful end decoration on either side.

Madelon—A charming ultra-feminine design that is semi-ornamental, but modern in the crisp carving of the floral border.

June—A modernized Early American pattern of those who prefer simple designs. Round-end handles . . . Mirror bright patine.

Wear-Proofed Guarantee

The makers of Tudor Plate guarantee that the principal spoons and forks have been wear-proofed by reinforcing the entire “area of wear” with an extra layer of solid silver, making the silver at this point 3 times the thickness of the overall plate. Knives are heavily plated over all.

If any piece of Tudor Plate fails to give satisfactory family use, it will be replaced.

TUDOR PLATE SILVERWARE

with the Free Trousseau Chest

Economical! Beautiful!

Just think of the value you get for your money in any of these silver-plated services, complete with this modern chest. Order the size set you want in one of the choice patterns illustrated on the introductory page of the Tudor Plate section.

The knives have streamline hollow handles and mirror finish stainless steel blades.



The Trousseau Chest

Approved by Good Housekeeping Institute

A solid wood chest with rich dark walnut finish; styled for permanent use in the home, and an extraordinary value with a set as small as 26 pieces; on display, the red interior provides a radiant background for the gleaming silverware.

Royal York	Elaine	Madelon	June	Per Set	Type Knife
26-PIECE TROUSSEAU CHEST (SERVICE FOR 6)					
Contents: 6 knives, 6 forks, 6 teaspoons, 6 oval soup spoons, 1 butter knife, 1 sugar spoon.					
# 11926G11 1192611	# 11226G11 1122611	# 11026G11 1102611	# 10826G11 1082611	\$14.75 14.75	Grille Dinner
34-PIECE TROUSSEAU CHEST (SERVICE FOR 8)					
Contents: 6 knives, 6 forks, 12 teaspoons, 6 salad forks, 1 butter knife, 1 sugar spoon.					
# 11934G12 1193412	# 11234G12 1123412	# 11034G12 1103412	# 10834G12 1083412	19.75 19.75	Grille Dinner
35-PIECE TROUSSEAU CHEST (SERVICE FOR 8)					
Contents: 8 knives, 8 forks, 8 teaspoons, 8 oval soup spoons, 1 butter knife, 1 sugar spoon.					
# 11935G11 # 1193511	# 11235G11 # 1123511	# 11035G11 # 1103511	# 10835G11 # 1083511	18.25 18.25	Grille Dinner
45-PIECE TROUSSEAU CHEST (SERVICE FOR 8)					
Contents: 8 knives, 8 forks, 8 teaspoons, 8 salad forks, 8 oval soup spoons, 3 serving spoons, 1 butter knife, 1 sugar spoon.					
# 11945G12 # 1194512	# 11245G12 # 1124512	# 11045G12 # 1104512	# 10845G12 # 1084512	24.75 24.75	Grille Dinner
53-PIECE TROUSSEAU CHEST (SERVICE FOR 8)					
Contents: 8 knives, 8 forks, 16 teaspoons, 8 salad forks, 8 oval soup spoons, 3 serving spoons, 1 butter knife, 1 sugar spoon.					
# 11953G128 # 11953128	# 11253G128 # 11253128	# 11053G128 # 11053128	# 10853G128 # 10853128	26.75 26.75	Grille Dinner
53-PIECE TROUSSEAU CHEST (SERVICE FOR 12)					
Contents: 12 knives, 12 forks, 12 teaspoons, 12 oval soup spoons, 3 serving spoons, 1 butter knife, 1 sugar spoon.					
# 11953G1212 # 119531212	# 11253G1212 # 112531212	# 11053G1212 # 110531212	# 10853G1212 # 108531212	29.75 29.75	Grille Dinner

ALLOWED SUBSTITUTIONS:

- (a) For salad forks—oyster forks, or individual butter or cheese knives, or iced drink spoons.
- (b) For oval soup spoons—round bowl soup spoons, or cream soup spoons, or serving (table) spoons.
- (c) For butter knife and sugar spoon—2 serving (table) spoons.

* EMPTY TROUSSEAU CHESTS

# 211—Service for 6.....	\$3.00
# 212—Service for 8 and 12.....	3.50

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NEW! THE RED AND GOLD CHEST

With Tudor Plate Silverware



It will be a pleasure to entertain and serve family dinners with your good Tudor silverware. Pick out the pattern you like and the size service you need in this quality silverware, made for long wear and complete satisfaction.

All knives are hollow handle streamline with mirror stainless blades.

TARNISH-PROOF RED AND GOLD CHEST

Approved by Good Housekeeping Institute

This new solid wood chest is highly lacquered in royal red and gold and lined in royal red (guaranteed fade-proof) with contrasting white pleats. Your silverware does not tarnish when kept in these wood chests and lasts much longer and stays new-looking, hard polishing is therefore not necessary.

Royal York	Elaine	Madelon	June	Per Set	Type Knife
#26-PIECE RED AND GOLD CHEST (SERVICE FOR 6)					
Contents: 6 teaspoons, 6 knives, 6 forks, 6 oval soup spoons, 1 butter knife, 1 sugar spoon.					
#11926G09	#11226G09	#11026G09	#10826G09	\$14.75	Grille
#1192609	#1122609	#1102609	#1082609	14.75	Dinner
#35-PIECE RED AND GOLD CHEST (SERVICE FOR 6)					
Contents: 12 teaspoons, 6 knives, 6 forks, 6 oval soup spoons, 1 butter knife, 1 sugar spoon, 6 salad forks, 3 serving spoons.					
#11935G09	#11235G09	#11035G09	#10835G09	\$18.25	Grille
#1193509	#1123509	#1103509	#1083509	18.25	Dinner
#34-PIECE RED AND GOLD CHEST (SERVICE FOR 8)					
Contents: 8 teaspoons, 8 knives, 8 forks, 8 oval soup spoons, 1 butter knife, 1 sugar spoon.					
#11934G10	#11234G10	#11034G10	#10834G10	\$19.75	Grille
#1193410	#1123410	#1103410	#1083410	19.75	Dinner
#45-PIECE RED AND GOLD CHEST (SERVICE FOR 8)					
Contents: 8 teaspoons, 8 knives, 8 forks, 8 oval soup spoons, 1 butter knife, 1 sugar spoon, 8 salad forks, 3 serving spoons.					
#11945G10	#11245G10	#11045G10	#10845G10	\$24.75	Grille
#1194510	#1124510	#1104510	#1084510	24.75	Dinner
#53-PIECE RED AND GOLD CHEST (SERVICE FOR 8)					
Contents: 16 teaspoons, 8 knives, 8 forks, 8 oval soup spoons, 1 butter knife, 1 sugar spoon, 8 salad forks, 3 serving spoons.					
#11953G108	#11253G108	#11053G108	#10853G108	\$26.75	Grille
#11953108	#11253108	#11053108	#10853108	26.75	Dinner
#53-PIECE RED AND GOLD CHEST (SERVICE FOR 12)					
Contents: 12 teaspoons, 12 knives, 12 forks, 12 oval soup spoons, 1 butter knife, 1 sugar spoon, 3 serving spoons.					
#11953G1012	#11253G1012	#11053G1012	#10853G1012	\$29.75	Grille
#119531012	#112531012	#110531012	#108531012	29.75	Dinner

#EMPTY RED AND GOLD CHESTS

	Each
#09—Services for 6.....	\$3.00
#10—Services for 12.....	3.50

Allowed Substitutions:

- (a) For oval soup spoons—Round bowl soup spoons or cream soup spoons or serving (table) spoons.
- (b) For salad forks—Oyster forks or individual butter knives or iced drink spoons.
- (c) For butter knife and sugar spoon—Two serving (table) spoons.

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You Pay Nothing Extra for the New Dower Chest with These Tudor Plate Silverware Sets



For those who want "twice the silverware for the money," Tudor Plate offers these fine, large sets in a magnificent setting. You not only save money by buying the complete, larger sets with all the pieces you need, but you can enjoy serving dinner guests at a beautiful, correctly set table.

The knives have streamline hollow handles and mirror finish stainless steel blades.

THE NEW TARNISH-PROOF DOWER CHEST

Approved by Good Housekeeping Institute

The vividly colored castilian red lining with white pleats in the top provides a beautiful back ground for your Tudor Silverware. The cabinet is quality-built of solid wood with a rich brown mahogany finish. Generous size, 10x21 inches, with racks and slots to hold the silverware pieces.

Royal York	Elaine	Madelon	June	Per Set	Type Knife
#61-PIECE DOWER CHEST (SERVICE FOR 8)					
Contents: 16 teaspoons, 8 knives, 8 forks, 8 oval soup spoons, 8 salad forks, 8 individual butter knives, 1 butter knife, 1 sugar spoon, 3 serving spoons.					
#11961G08	#11261G08	#11061G08	#10861G08	\$29.75	Grille
#1196108	#1126108	#1106108	#1086108	29.75	Dinner
#73-PIECE DOWER CHEST (SERVICE FOR 8)					
Contents: 16 teaspoons, 8 knives, 8 forks, 8 oval soup spoons, 8 salad forks, 1 butter knife, 1 sugar spoon, 3 serving spoons, 1 cold meat fork, 8 iced drink spoons, 8 individual butter knives, 1 pastry server (pierced), 1 gravy ladle, 1 pickle fork.					
#11973G08	#11273G08	#11073G08	#10873G08	\$39.75	Grille
#1197308	#1127308	#1107308	#1087308	39.75	Dinner
#66-PIECE DOWER CHEST (SERVICE FOR 12)					
Contents: 12 teaspoons, 12 knives, 12 forks, 12 oval soup spoons, 12 salad forks, 1 butter knife, 1 sugar spoon, 3 serving spoons, 1 cold meat fork.					
#11966G08	#11266G08	#11066G08	#10866G08	\$36.75	Grille
#1196608	#1126608	#1106608	#1086608	36.75	Dinner
#94-PIECE DOWER CHEST (SERVICE FOR 12)					
Contents: 12 teaspoons, 12 knives, 12 forks, 12 oval soup spoons, 12 salad forks, 1 butter knife, 1 sugar spoon, 4 serving spoons, 1 cold meat fork, 12 iced drink spoons, 12 individual butter knives, 1 pastry server (pierced), 1 gravy ladle, 1 pickle fork.					
#11994G08	#11294G08	#11094G08	#10894G08	\$54.75	Grille
#1199408	#1129408	#1109408	#1089408	54.75	Dinner

EMPTY DOWER CHESTS

#208—Holds 94 pieces.....Each \$5.00

ALLOWED SUBSTITUTIONS:

- (a) For oval soup spoons—Round bowl soup spoons or cream soup spoons or serving (table) spoons.
- (b) For salad forks—Oyster forks or individual butter knives or iced drink spoons.
- (c) For butter knife and sugar spoon—Two serving (table) spoons.
- (d) For iced drink spoons—Oyster forks.
- (e) For individual butter knives—Iced drink spoons or oyster forks.

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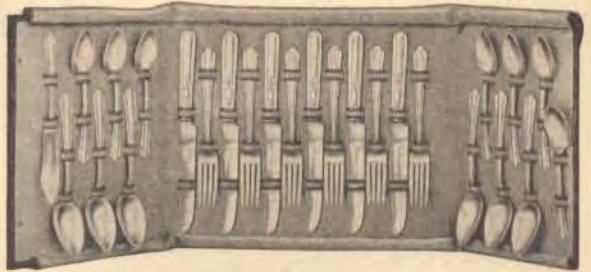
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TUDOR PLATE SILVERWARE

Small Service with Embossed Handle Knives With the Popular Radio Packette Free

The convenient radio packette has a black leather-like cover, lined with red velveteen. Top and bottom cover flaps protect the silverware which slips easily into individual holders. Available in any Tudor pattern . . . embossed handle knives with mirror finish stainless steel blades.



Royal York	Elaine	Madelon	June	Per Set
26-PIECE RADIO PACKETTE (SERVICE FOR 6)				
Contents: 6 dinner knives, 6 forks, 6 teaspoons, 6 dessert spoons, 1 butter knife, 1 sugar spoon.				
1192664	1122664	1102664	1082664	\$11.75
34-PIECE RADIO PACKETTE (SERVICE FOR 8)				
Contents: 8 dinner knives, 8 forks, 8 teaspoons, 8 dessert spoons, 1 butter knife, 1 sugar spoon.				
1193465	1123465	1103465	1083465	15.75
#EMPTY RADIO PACKETTES				
	Nos.	Each	For No. of Pieces	
	#164	\$1.50	26	
	#165	1.75	34	



LOOK FOR THESE FAMOUS NAMES—
USE THEM AS YOUR GUIDE FOR QUALITY
AND DEPENDABILITY



KEEN KUTTER
Polly Prim

SIMMONS
KLICKER

Names as famous and well recognized as these quality brands are a guide and a guarantee for intelligent, successful buying. Merchandise bearing one of these names is merchandise that has been specially selected for quality and its exceptional value at the price!

QUALITY is assured by these well known names . . . because it pays to buy quality products. When you buy them, you know exactly what you are getting. Each of these names has a reputation for quality that is maintained at all times and each has earned justifiable pride in its continued high mark of quality.

DEPENDABILITY . . . When you do not have time to shop around and see for yourself which is the best value, you can depend on these known brands to assure a good buy . . . then you will discover that a complete trial and test would have led you to the same ultimate conclusion, that these selected brands constantly offer the best value in quality, up-to-the-minute styling and construction, and reasonable prices.




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TUDOR PLATE FLATWARE—OPEN STOCK

Order those additional spoons and forks that you are always needing, as well as the special servers and pieces that make a beautiful table and correct, enjoyable serving. Choose them, of course, in your Tudor Plate pattern.

Design Name	Royal York	Elaine	Madelon	June	Packed	Per Set of 6
SPOONS						
Tea	119836	112836	110836	108836	6 in box	\$ 1.75
Dessert or Oval Bowl Soup	119809	112809	110809	108809	6 in box	3.50
Table or Serving	119835	112835	110835	108835	6 in box	3.50
Soup (Round Bowl)	119831	112831	110831	108831	6 in box	3.50
Cream Soup	119808	112808	#110808	#108808	6 in box	3.50
5 O'Clock Tea or Sherbet	#119811	#112811	#110811	#108811	6 in box	1.75
After Dinner Coffee	#119800	#112800	#110800	#108800	6 in box	1.75
Iced Drink	119817	112817	110817	108817	6 in box	3.50
Sugar	119833	112833	110833	108833	1 in box	.50
Berry or Serving	#119804	#112804	#110804	#108804	1 in box	1.50
FORKS						
Grille	#119517	#112517	#110517	#108517	6 in box	3.50
Dinner	119511	112511	110511	108511	6 in box	3.50
Dessert (Breakfast or Luncheon)	#119509	#112509	#110509	#108509	6 in box	3.50
Cold Meat or Serving	119507	112507	110507	108507	1 in box	Each 1.50
Cocktail or Oyster	#119522	#112522	#110522	#108522	6 in box	Per Set of 6 3.50
Pickle or Olive	#119523	#112523	#110523	#108523	1 in box	Each .75
Salad or Pastry	119525	112525	110525	108525	6 in box	Per Set of 6 3.50
KNIVES						
(Mirror Stainless Blades)						
Grille, streamline, hollow handle	#119648	#112648	#110648	#108648	6 in box	Per Set of 6 6.75
Dinner, streamline, hollow handle	119653	112653	110653	108653	6 in box	6.75
Dinner, embossed handle	119690	112690	110690	108690	6 in box	3.75
KNIFE AND FORK SETS						
(Mirror stainless blade knives and forks)						
6 Grille knives, streamline, hollow handle, and 6 Grille forks	#1191748	#1121748	#1101748	#1081748	12 in box	Per Set of 12 10.25
6 Dinner knives, streamline, hollow handle, and 6 Dinner forks	1191153	1121153	1101153	#1081153	12 in box	10.25
6 Dinner knives, embossed handle, and 6 Dinner forks	#1191190	#1121190	#1101190	1081190	12 in box	7.25
LADLES						
Serving or Gravy	119707	112707	110707	108707	1 in box	Each 1.50
Serving or Soup, hollow handle	#119760	#112760	#110760	#108760	1 in box	3.75
CARVERS						
Two-piece Steak or Game, hollow handle streamline (Mirror stainless blade and fork tines)	1193636	1123636	1103636	1083636	Set in box	Per Set 3.75
MISCELLANEOUS						
Pastry Server, pierced	#119724	#112724	#110724	#108724	1 in box	Each 2.50
Pie or Ice Cream Server (Streamline, hollow handle)	119668	112668	110668	108668	1 in box	2.50
Butter Knife	119401	112401	110401	108401	1 in box	.50
Individual Butter Knife or Cheese Knife	119400	112400	110400	#108400	6 in box	Per Set 3.50
Butter and Sugar Set	1190133	1120133	1100133	1080133	Set in box	1.00

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Now for the First Time **COLOR** in Silverware for Children

In the Charming Tudor Plate

The children will love the brightly colored figures and designs on their silverware and cups. And each piece is well balanced and designed for easy, natural handling by tiny fingers.

Baby's cups are wrapped in cellophane and the silverware pieces are packed in crystal cases, keeping them sanitary and attractive for gifts.



And Now in Color Baby spoon (bent handle)

Nos.		Each
122801	Baby Blue	\$0.50
121801	Bunny Pink .....	.50

Baby spoon (straight handle)

122803	Baby Blue .....	.50
121803	Bunny Pink .....	.50

Baby fork (straight handle)

122503	Baby Blue .....	.50
121503	Bunny Pink .....	.50

2-Piece Baby Set (bent spoon, straight fork)

		Per Set
122030001	Baby Blue	\$1.00
121030001	Bunny Pink	1.00

2-Piece Baby Set (straight spoon, straight fork)

122030003	Baby Blue	1.00
121030003	Bunny Pink	1.00

3-Piece Child's Set (spoon, fork and emb. knife)

123061111	Clown Red	1.50
124061111	Squirrel Blue	1.50

ASSORTMENTS IN COLOR AND IN THE FAVORITE TUDOR PATTERNS

12 Baby Spoons (Bent)—3 Bunny Pink, 3 Baby Blue, 2 Royal York, 2 Elaine, 2 June. Each \$0.59

#9503—Assortment Per Assortment

Each item wrapped in cellophane; assortment attached to attractive display card.

6 Cups: 1 Bunny Pink, 1 Squirrel Blue, 1 Clown Red, 2 Baby, 1 Plain Each 1.00
#9502—Assortment Per Assortment

Each cup wrapped in cellophane with gift box.

6 Cups: One each Baby, Plain, Simple Simon, Tommy Tucker, Little Miss Muffet, Jack-be-Nimble Each .75
#9405—Assortment Per Assortment

Each cup wrapped in cellophane with gift box.

ASSORTMENTS WITH ATTRACTIVE WIRE RACK (ILLUSTRATED)

22 Items—Silverware and Cups

6 Baby Spoons (Bent): 2 Baby Blue, 1 Bunny Pink, 1 Royal York, 1 Elaine, 1 June Each \$0.50
6 Two-Piece Educator Sets: 2 Baby Blue, 1 Bunny Pink, 1 Royal York, 1 Elaine, 1 June. Per Set 1.00
4 Three-Piece Child Sets: 1 Clown Red, 1 Squirrel Blue, 1 Royal York, 1 Elaine Per Set 1.50
6 Cups: 1 Bunny Pink, 1 Squirrel Blue, 1 Clown Red, 2 Baby, 1 Plain Each 1.00
#9500—Assortment Per Assortment

16 Silverware Items

6 Baby Spoons (Bent): 2 Baby Blue, 1 Bunny Pink, 1 Royal York, 1 June Each \$0.50
6 Two-Piece Educator Sets: 2 Baby Blue, 1 Bunny Pink, 1 Royal York, 1 Elaine, 1 June. Per Set 1.00
4 Three-Piece Child Sets: 1 Clown Red, 1 Squirrel Blue, 1 Royal York, 1 Elaine Per Set 1.50
#9501—Assortment Per Assortment

Each item in gift box with crystal cover.

CHILDREN'S SILVERWARE IN THE TUDOR PATTERNS—ALL SILVER FINISH, WITHOUT COLOR

	Royal York	Elaine	Madelon	June	Each
Baby Spoon, bent handle	#119801	#112801	#110801	108801	\$0.50
Baby Spoon, straight handle	#119803	#112803	#110803	#108803	.50
Baby Fork, straight handle	#119503	#112503	#110503	#108503	.50
Two-Piece Baby Set— Bent spoon, straight fork	#119030001	#112030001	#110030001	108030001	Per Set \$1.00
Two-Piece Baby Set— Straight spoon and fork	#119030003	#112030003	#110030003	#108030003	1.00
Three-Piece Child's Set— Spoon, fork, embossed knife	#119061111	#112061111	#110061111	#108061111	1.50

Nos.	Each	Design	Nos.	Each	Design
#KB 1046	\$1.00	Child's Bowl (Plain)	#KB 1047	\$1.00	Child's Bowl (Simple Simon)
#KB 1296	1.00	Child's Plate (Plain)	#KB 1295	1.00	Child's Plate (Simple Simon)

Each item in gift box with crystal cover.

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ONEIDA LTD. SILVER PLATED HOLLOWWARE

Silver-plated hollowware—more and more in demand for gifts, for every woman desires “dishes of silver” and welcomes the modern trend toward elegance in the home. This quality hollowware made by the makers of Com-

munity Plate offers beautiful pieces at popular prices. Millions know the value of Oneida, Ltd., products, and that the Oneida name represents quality—a good buy for the money!

- **Craftsmanship** of experts is shown by the fine work, the crisp carving, and the trimness of the “fittings”—handles, spouts, and feet. All the skill of the Oneida silversmiths is used to fashion these individual pieces.
- **Service and long wear** is assured by the use of quality materials, plus heavy silver plating. The experience of satisfied Oneida silverware users everywhere accounts for its popularity.
- **Beauty** that measures up to the Oneida “Leadership in Design Authority.” In a choice of two outstanding designs . . . the Ascot, a rich ornate design with floral carved border and beautiful open work piercing . . . and Montclair, a simpler design with carved borders and panels, available in popular hollowware pieces. The silver plate of both designs is bright Butler finish.

CHARMING MONTCLAIR DESIGN



TEA SERVICES

The gift that every bride hopes for . . . the gift that never fails to thrill on any anniversary! She'll love the regal simplicity of this service with the carving borders and paneled design accenting the gracefully shaped pieces.

Note the wide, open handles and their easy-to-hold design. Every piece heavily silver plated—bright Butler finish. Coffee pot capacity 6 cups, tea pot capacity 5½ cups.

- #KB 43—Six-piece tea and coffee set, including tray, coffee pot, tea pot, creamer, sugar bowl, and waste bowl. Weight per set 10½ lbs.
Per Set \$57.50
- #KB 44—Three-piece tea set (tea pot, creamer and sugar). Weight per set 2¾ lbs. . . . Each 24.00
One set in a carton.
- #KB 45—Coffee pot only. Weight each 1¾ lbs. . . . Each 12.00
- #KB 46—Tea pot only. Weight each 1¾ lbs. . . . Each 12.00
One in a carton.

- #KB 47—Sugar and cream set. Weight per set 1½ lbs. . . . Per Set \$12.00
One set in a carton.
- #KB 48—Waste bowl. Weight each ½ lb. . . . Each 5.00
- #KB 49—Oval waiter, length 19 inches. Weight each 3½ lbs. . . . Each 10.00
- #KB 50—Oblong tray, length 20 inches. Weight each 5¾ lbs. . . . Each 16.50
One in a carton.

COCKTAIL SHAKER SETS



Any cocktail would taste better when served to your guests in this handsome set . . . and it makes a beautiful buffet piece . . . bright Butler finish. Tray 20 inches long.

- KB 115—Eight-piece set. Matching tray, 6 handsome cocktail cups and a “good” cocktail shaker. Weight per set 4 lbs. . . . Per Set \$40.50
- KB 114—Seven-piece set (shaker and 6 cups). Weight per set 2¾ lbs. . . . Per Set 24.00
- KB 113—Six cocktail cups. Weight per set 2 lbs. . . . Per Set 12.00
One set in a carton.
- KB 112—Cocktail shaker. Weight each 2 lbs. . . . Each 12.00
One in a carton.

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Oneida Ltd. Silver Plated Hollowware in the Ascot Design

OVAL WAITERS



How proud anyone would be to serve dinners, cocktails or appetizers from this rich, ornate tray. Has carved floral border and handles, pierced sides, and etched all-over pattern in bottom. Length 22 inches.

#KB 18—Weight each 6¾ lbs.....Each \$19.50

OBLONG TRAYS



Perhaps a beautiful oblong tray, second only in richness and beauty to the oval waiter would be preferred. Plenty of room for glasses and dishes.

#KB 25—Length 21 inches. Weight each 6 lbs.Each \$17.50

#KB 24—Length 18 inches. Weight each 5 lbs.Each 14.75

DOUBLE VEGETABLE DISHES



For a very special dinner, for special guests, and specially prepared dishes . . . there should be servers worthy of the occasion. This charming covered piece answers the demand. Furnished either with or without divider in dish. Detachable handle. Length 12½ inches.

#KB 16—Weight each 3¾ lbs.....Each \$14.75

MEAT PLATTERS



The ever popular well and tree pattern is set off by an artistic carved border. The bright Butler finish also accents the pattern. Length 18 inches.

#KB 7—Weight each 3 lbs.....Each \$12.50

CENTER PIECES



Picture this centerpiece on a shining table top or buffet . . . adding a touch of silver beauty to the room.

#KB 1—Diameter 12 inches. With the open work grill top. Weight each 2¼ lbs.....Each \$12.50

#KB 2—Diameter 8¼ inches. With glass flower holder instead of grille. Weight each 1½ lbs.Each 6.00

COVERED CHOP DISHES



Not only a beautiful complement to a fine dinner, but a useful one to keep the main course deliciously warm. It is glass lined, with a solid cover fitting over the platter. Diameter 14 inches.

#KB 17—Weight each 6¼ lbs.....Each \$12.00

One in a carton.

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Oneida Ltd. Silver Plated Hollowware in the Ascot Design

BAKING DISHES



Deep baking dishes with heat resisting glass dish inside . . . ideal for serving macaroni, sweet potatoes, meat pies or fancy baked dishes. Solid top with etched design. Diameter 11 inches.

#KB 21—Weight each $\frac{5}{8}$ lb. Each \$12.00

GRAVY BOATS AND TRAYS



For a thoughtful silver gift select this gravy boat with its own tray, both pieces with attractive carved border. Note the unusual carved handle. Length of tray $9\frac{1}{4}$ inches.

#KB 5—Weight each $1\frac{1}{8}$ lbs. Each \$10.00

ROUND WAITERS



A tray is always a useful gift, and this round waiter is an especially attractive one. The carved border is adapted to the scalloped edge of the tray, to give a modern version of the old antique silver waiters.

#KB 20—Diameter 15 inches. Weight each $2\frac{1}{4}$ lbs. Each \$10.00

#KB 19—Diameter 14 inches. Weight each $2\frac{3}{8}$ lbs. Each 9.00

SALAD (ASPIC) DISHES



Serve colorful individual aspics or jelled salads, sliced tomatoes, fruit salads and fancy dishes of all kinds in this ornamental server, $12\frac{1}{2}$ inches in diameter.

#KB 23—Weight each $2\frac{1}{4}$ lbs. Each \$7.75

One in a carton.

COMPOTES



For candies, nuts, or cookies . . . flat compotes in a round design with ornate border and etched pattern.

#KB 15—Diameter 12 inches. Weight each $1\frac{7}{8}$ lbs. Each \$7.50

#KB 14—Diameter $9\frac{3}{4}$ inches. Weight each $1\frac{1}{4}$ lbs. Each 6.00

RELISH DISHES



Lined with a five-compartment glass dish—convenient for serving relishes, olives, and pickles on the same tray.

#KB 3—Diameter $12\frac{1}{4}$ inches. Weight each $4\frac{1}{2}$ lbs. Each \$7.00

#KB 4—Diameter 10 inches. Weight each $2\frac{3}{8}$ lbs. Each 5.00

BREAD OR ROLL TRAYS



An indispensable silver dish for serving . . . in an easy-to-pass oval shape with raised border and pierced sides. Length 13 inches.

#KB 22—Weight each $1\frac{1}{8}$ lbs. Each \$6.00

CHEESE AND CRACKER DISHES



Just the thing for serving crackers and cheese with drinks. The 10-inch tray can be used separately as a cake or cookie tray.

#KB 8—With glass center. Weight each $1\frac{3}{4}$ lbs. Each \$6.00

#KB 9—With wooden block. Weight each $1\frac{1}{4}$ lbs. Each 5.50

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Oneida Ltd. Silver Plated Hollowware in the Ascot Design

MAYONNAISE DISHES



The thoughtful hostess can serve her mayonnaise separately and effectively in this exquisite little dish which has a glass liner. The wide border is pierced and decorated with a carved design. Also for jellies and relishes.

#KB 13—Weight each 1 lb.....Each \$6.00

BON BON DISHES



One can never have too many of these shallow bon bon dishes, so convenient to place on the card tables or cocktail table. Diameter 6 inches.

#KB 26—Weight each ½ lb.....Each \$3.75

ROUND SANDWICH PLATES



For dainty tidbits or man-sized sandwiches . . . they're easy to serve on this flat tray, 10 inches in diameter.

#KB 6—Weight each ¾ lb.....Each \$5.00

One in a carton.

Oneida Ltd. Silver Plated Hollowware in the Montclair Design

THREE-PIECE DESSERT SETS



A beautiful versatile gift that's more expensive looking than its reasonable price. The 20-inch oval server can be used separately. The attractive rounded shape of the sugar and creamer shows off the carved panels of the attractive design.

#KB 111—Weight per set 6¾ lbs.....Per Set \$12.00

One set in a carton.

FRUIT BOWLS



Beautiful plain designed bowl, trimmed with the narrow carved border and scalloped edge . . . a choice buffet piece. Diameter 10½ inches.

#KB 109—Weight each 2½ lbs.....Each \$12.00

One in a carton.

WATER PITCHERS



Whenever you use your best silverware it is so much smarter to pour the ice water from a silvered pitcher. The frosted silver pitcher looks colder and more refreshing than glass or crockery pitchers. Graceful shaped pitcher with paneled carving and border — rounded handle. Capacity 2 quarts.

#KB 110—Weight each 2½ lbs.....Each \$12.00

CENTER PIECES



The grille top is beautifully cut out and carved emphasizing the simplicity of the smooth surface dish. A quality piece that displays the Oneida craftsmanship. Diameter 12½ inches.

#KB 94—Weight each 2¾ lbs.....Each \$10.00

One in a carton.

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Oneida Ltd. Silver Plated Hollowware in the Montclair Design

MEAT PLATTERS



An oval meat platter that's excellent, too, for serving buffet supper plates. In the effective terraced style with scalloped edge and border design.

- # KB 88—Meat platter, length 19 inches. Weight each 3 $\frac{3}{8}$ lbs. Each \$10.00
- # KB 89—With cut-out handles to use as a waiter, length 19 inches. Weight each 3 $\frac{3}{8}$ lbs. Each 10.00
- # KB 64—Cold meat or dessert tray, length 12 $\frac{1}{2}$ inches. Weight each 1 $\frac{1}{8}$ lbs. Each 3.75



Large meat platters in the modernized plain style of the old-fashioned well and tree motif. The dainty carved border sets off the single scalloped sides. Length 19 inches.

- # KB 90—Weight each 3 $\frac{3}{8}$ lbs. Each \$10.00

GRAVY BOATS AND TRAYS



Designed in the "Aladdin's Lamp" shape in smooth bright Butler finish . . . narrow carved border. Length of tray 9 $\frac{1}{2}$ inches.

- # KB 92—Weight each 1 $\frac{1}{4}$ lbs. Each \$10.00

DOUBLE VEGETABLE DISHES



A popular design in a dish that makes one of the best wedding and anniversary gifts. The solid top has two handles—oval shape—length 13 inches.

- # KB 91—Weight each 2 $\frac{5}{8}$ lbs. Each \$10.00

One in a carton.

RELISH DISHES



The five compartment glass dish that lines the tray separates the relishes, olives, and pickles. The gleaming silver-plated tray is 13 $\frac{1}{2}$ inches in diameter.

- # KB 93—Weight each 4 $\frac{5}{8}$ lbs. Each \$10.00

CHEESE AND CRACKER DISHES



Modern and smart with its smooth surface, circular carved border and decorative knob. Diameter 10 $\frac{1}{4}$ inches.

- # KB 67—With glass center. Weight each 1 $\frac{3}{4}$ lbs. Each \$5.00
- # KB 68—With wooden block. Weight each 1 $\frac{3}{8}$ lbs. Each 4.50

ROUND SANDWICH PLATES



You always need more than one of these handy low priced sandwich plates with their bright finish and narrow border—just enough trimming to peak out under a fancy doily. Diameter 10 $\frac{1}{4}$ inches.

- # KB 66—Weight each 1 $\frac{1}{8}$ lbs. Each \$3.75

BREAD OR ROLL TRAYS



A convenient bread tray to enhance everyday dinners . . . long wearing . . . correctly styled. Length 14 inches.

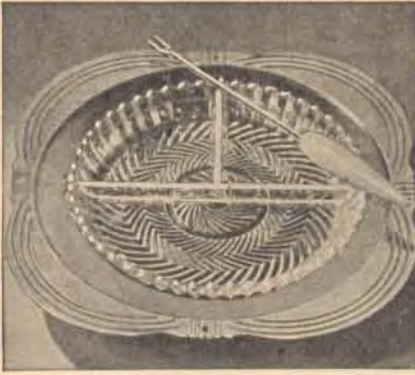
- # KB 65—Weight each 1 $\frac{1}{4}$ lbs. Each \$3.75

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MODERN GIFTS In Chromium-Plated Tableware

KROMEX ASSORTMENT

- **For the bride.** These gleaming pieces are popularly priced, and are in the best of taste for her table. Choose them for shower gifts, as well as modern wedding presents.
- **For holidays and anniversaries.** How nice it is for the first lady of the household to be remembered with a surprise gift—especially with a modern, new chromium tableware novelty to show off at her company dinners.
- **Prove your good taste and originality** when you give one of these exclusive Kromex designs, individually created and made in the Kromex Shops. Your gift will be doubly appreciated because this shining chromium-plated ware needs no polishing, won't tarnish or peel!



RELISH DISH WITH FORK

700—The 10-inch chromium tray is designed with a new square shape with rounded corners. The crystal glass relish dish in a swirl design, has three compartments. Complete with long serving fork, with stream-lined handleEach \$1.00



BERRY SERVER

715—A useful, unusual gift is this round crystal serving bowl, 7 inches in diameter, with modernistic self handles. The set is complete with a chromium spoon and 10-inch chromium trayEach \$1.00



THREE-BOWL CONDIMENT SET

704—The three crystal containers with their chromium spoons can be used separately and make a charming serving unit with the 10-inch chromium tray.....Each \$1.00



RING-HANDLED SNACK TRAY

719—A large hardwood ring forms an attractive handle for this handy "snack" tray for serving sandwiches, cakes, and appetizers; 10 inches in diameter.....Each \$1.00



JAM JAR SET

743—The tall crystal jam jar is circular in design and rests on a square-shaped chromium tray. The cover is chromium also with a ball handle. Complete with glass serverEach \$1.00



CHROMIUM TOAST COVER ON CRYSTAL PLATE

724—Keeps toast and rolls deliciously warm with its large chromium cover with finger hole. The crystal plate is 10 inches in diameter, with circular designed border.....Each \$1.00

SOLD ONLY IN FULL ASSORTMENTS.

KB 81—ASSORTMENT OF TWELVE ITEMS, two each of above pieces.

Each piece in a carton. One assortment in a case. Weight per assortment 13 lbs.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KROMEX Chromium-Plated Ware

The Perfect Modern Gift

Chromium in its newest and smartest use—with crystal glass! The gleaming chromium and crystal pieces catch the light and catch the eye, whether used on the dinner table or for serving after-dinner refreshments. As wedding gifts and bridge prizes, they are outstanding.

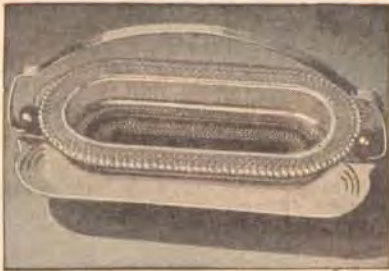
HOSTESS TRAYS



A useful, versatile gift! The brilliant chromium-plated tray, 16x9½ inches, has three glass servers with seven compartments that can be used separately. You can pass the servers without passing the whole tray, and the tray comes in handy for general serving.

KB 799—Weight each 4½ lbs.....Each \$1.95

CELERY SERVERS



A delightfully unusual server that is always needed. The bright chromium-plated tray, 9½x5½ inches, has a convenient top handle. The beaded crystal dish, fits into the tray and can be removed for cleaning.

KB 751—Weight each 1½ lbs.....Each \$1.00

NUT BOWLS



All chromium bowl, 8 inches in diameter and 3¼ inches deep — a size suitable for fruits or nuts. Complete with nut cracker, held by an ingenious arrangement in the flat handle.

KB 777—Weight each 1¾ lbs.....Each \$1.19

One in a carton.

SUGAR AND CREAM SETS

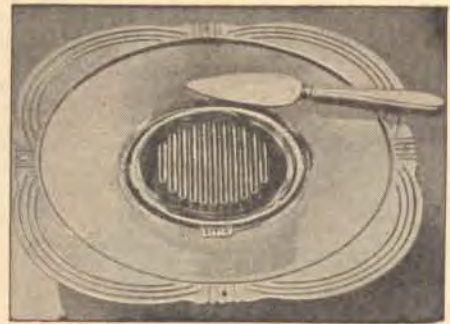


A dainty, practical set. The crystal glass sugar and creamer are fluted to reflect the light. A brilliant chromium-plated tray 5½x9½ inches completes the set.

KB 757—Weight per set 1¾ lbs.....Per Set \$1.00

One set in a carton.

CHEESE SERVERS



Just the thing for serving cheese and crackers with a tasty drink or after dinner. The chromium-plated tray is 10x10 inches, with a sanitary glass cheese board 4¾ inches in diameter. Complete with matching cheese knife.

KB 705—Weight each 1½ lbs.....Each \$1.00

ICE TUBS



It is easy to keep delicious drinks at their best with plenty of ice clinking in the glasses with this attractive ice tub; will make serving easier and more pleasant. A clever arrangement of the chromium-plated base and handle holds the 7¾-inch crystal ice container. Complete with rust-proof tongs.

KB 888—Weight each 2½ lbs.....Each \$1.00

One in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

"SODA KING" SYPHONS
CHROMIUM PLATED



- Most up-to-date, economical and convenient way of carbonating wines and water, mixing highballs, fizzes, ice cream sodas, fruit-ades and fancy drinks at home! Be prepared to fix these delicious refreshments at any time.
- Smart looking . . . makes a striking buffet piece.
- Safety Relief Valve gives protection in case of overfilling syphon.

Syphon consists of heavy glass bottle with smooth metal chromium-plated case with black head. Height 12 1/4 inches, diameter 4 1/4 inches. Complete with one box of six Super Chargers and instructions.

KB 1—Weight each 7 1/2 lbs. **Each \$5.00**

One in a carton.

SYPHON SUPER CHARGERS
FOR "SODA KING"



Each charger will make one quart of highly carbonated water—ten quarts from this package of ten. Easy to remove from package and insert in syphon.

In Cartons of Ten.
KB 10 — Weight per carton 1 lb.
Per Carton \$0.75

Ten in a display carton.

SOLD ONLY IN FULL CARTONS

NUT PICK AND CRACK SETS

All pieces solid steel, full nickel plated, with embossed handles. Nut cracks have spring to hold jaw open.

7-Piece Sets

Six picks and one crack . . . 5 inches long.

KB 307—Weight per dozen sets 4 lbs. **Per Set \$0.29**



3-Piece Sets

Two picks and one crack . . . 5 inches long.

KB 203—Weight per dozen sets 4 1/2 lbs.
Per Set \$0.23



One set in a fancy paper covered rack cardboard box.

NUT CRACKS

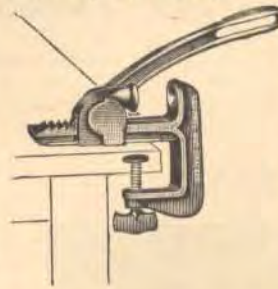
For quick, easy cracking of nuts for eating, baking or preparing fancy dishes. Shells are cracked without crushing the kernel.

SQUIRREL

A convenient nut crack that can be fastened to table, desk, chair or any convenient place by means of thumb screw.

Throw the handle back and the plunger can be pulled either backward or forward and adjusted to fit any size nut. Always place the nut lengthwise.

Cast iron and steel, dull nickel finish. Height over all 5 inches, length over all 5 1/2 inches.



KB 200—Weight per dozen 24 lbs. **Each \$1.49**

One in a carton.



Special arrangement on end of screw holds the two pockets exactly in line. Fastens to a table, desk, chair or any convenient place by means of threaded thumb screw. Always place the nut lengthwise.

Malleable iron, tinned. Height over all 8 inches, width 6 1/2 inches.

KB 10—Weight per dozen 18 lbs. **Each \$0.38**

Packing—bulk.



This small, compact nut crack is held in the hand and operated by a quick, easy turn of the handle. Will crack pecans, walnuts, filberts, almonds and brazil nuts without crushing the kernel. Always place the nut lengthwise.

Malleable iron cupped frame. Steel screw, T handle and cap. Dull nickel plated. Frame 3 1/2 x 2 1/4 inches. T handle 3 1/2 inches. Will handle nuts up to 1 1/4 inches long.

KB 174—Weight per dozen 6 1/2 lbs. **Each \$0.25**

One in a cardboard box; one dozen in a carton.



Sturdy, with smooth handles and strong grip teeth . . . jaws with springs.

Solid steel, fancy embossed handles, full nickel plated.

KB 0—Weight per dozen 3 1/2 lbs. **Each \$0.15**

One dozen in a carton.

NUT PICKS

Solid steel, fancy embossed handles, full nickel plated.

Set of six picks . . . 4 3/4 inches long.

KB 206—Weight per dozen sets 4 lbs.
Per Set \$0.15



One set in a rack box.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

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KNOWN & RECOGNIZED AS

THE STANDARD IN FINE QUALITY



EQUIPMENT



KEEN KUTTER AXES



THE RECOLLECTION OF QUALITY REMAINS
LONG AFTER THE PRICE IS FORGOTTEN

★ ★ ★ E.C. SIMMONS ★ ★ ★

KEEN KUTTER AXES

Recognized for over half a century as the finest axe money and skill can produce.

The **KEEN KUTTER** axe is built for the man who knows. Perfectly balanced, it falls true to the woodchopper's stroke. It is ground so it will cut deep, break the chip and come out easily.

- Longer life.
- Cuts deep and clean.
- Easier, better work.
- Highest quality handle.
- Head cannot loosen.
- Fast cutting.
- Distinctive appearance.

KEEN KUTTER AND SIMMONS AXES ARE GUARANTEED

Each axe is carefully tested for defects—in material, temper and workmanship—and any axe, properly used, that proves defective through faulty material or workmanship, will be replaced. This guarantee does not cover abuses, but is made to protect you from loss of the money paid for the axe, should a defect appear after using. A careful study of returned axes proves that breaks result from the following:

IMPROPER GRINDING

An axe is a heavy duty tool and when ground concave (hollowed out like a razor) there is not sufficient metal left to withstand the terrific force of the blow. Grind or sharpen on a wet grinding stone—not on an emery wheel, because emery wheels cut too fast and remove too much metal. Emery wheels also have a tendency to overheat and affect the temper.



This axe is properly ground convex. An axe hollow ground is too thin and will break.

COLD OR FROST FILLED AXES

When an axe is extremely cold or filled with frost, the metal becomes numbed or brittle and cannot spread a strained blow along and back from its cutting edge. Axes in this condition break very easily and, because of it, should never be used until the frost is drawn by putting them in a warm place.

GLANCING BLOWS

Glancing blows are due mostly to inexperience in swinging an axe and no manufacturer can be held responsible for broken edges caused in this way.

USED AS A WEDGE OR MAUL

No axe made will stand up under repeated blows on the head with a sledge hammer. The eye is filled by the wood handle and will break when abused in this manner.



To assist you to recognize breaks which are not due to defects, we show the blade of an axe marked A, B, C and D. Any break forming a perfect segment of a circle, such as the letter "B,"

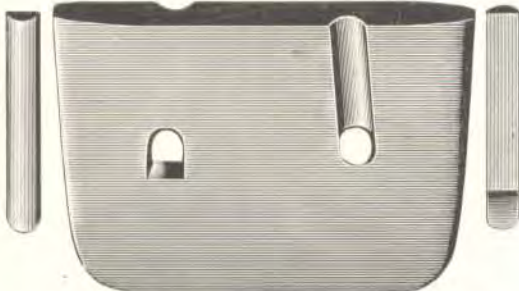
is always due to one or more of the three conditions: improper grinding, cold or frost filled axes, glancing blows—and reveals no defect in either material or workmanship.

Only breaks lettered "A," "C" and "D" indicate a flaw in the steel and are subject to replacement.

SIMMONS PATENTED DOUBLE LOCKING AXE WEDGES

Used Exclusively in All **KEEN KUTTER** and **SIMMONS** Axes

Locks Axe Head Permanently Onto Handle—Positively Prevents it From Flying Off the Handle.



Actual Size Showing Malleable Iron Wedge and Steel Locking Pins

Strong steel locking pins hold wedge tight — cannot possibly be removed.

Specially designed grooves in wedge guide the steel pins as they are driven in, sharpened ends curl back up to form curved hook, partly in wedge and partly in wood of handle. Thus wedge is securely clinched to handle, and cannot possibly be pulled out.



Sectional View — Wedge Installed

Heavy malleable iron wedge—will not crack, rot or swell and break handle.

Correctly shaped with smooth sides, it evenly spreads notched handle end to form a solid knob which, compressed tightly into hollow of axe eye, fixes handle in head as securely as though they were solid cast in one piece. **Head can't slip or jar loose.**



We have had over a half century of experience in handling axes.
IT IS NO EXPERIMENT WITH US.

Our axe handling department is under our own supervision, and we employ workmen who know by many years' experience the correct shaping and set of the handle.

Every axe is handled by a fixed gauge to insure its being perfect in this respect.

Showing our superior method of crating and wrapping all **KEEN KUTTER** handled axes. The heads are carefully boxed, the handles are wrapped with paper and covered with a muslin bag, assuring delivery in perfect condition.

KEEN KUTTER SINGLE BIT AXES

Recognized for Over Half a Century as the Finest Axe That Money and Skill Can Produce

8 REASONS WHY KEEN KUTTER AXES ARE THE BEST YOU CAN BUY

1. Longer life—special process highest grade steel head properly tempered and hardened.
2. Cuts deep and clean—head expertly shaped to burst the chips free—will not bind.
3. Easier, better work—perfectly balanced by expert craftsmen for smooth, accurate swing.
4. Fast cutting—takes better cutting edge, holds it longer.
5. Highest quality handle—thoroughly dried and seasoned for added strength—comfortable grip.
6. Head cannot loosen—fastened to handle with safest locking wedge ever designed.
7. Distinctive appearance—handsomely finished to match its built-in quality.
8. Thoroughly inspected—carefully tested and guaranteed against defects in material or workmanship.

Special head construction combines mild steel body (to prevent chipping of head or breaking of eye) with highest grade crucible steel bit—electrically welded into one solid piece to give you a longer lasting axe than you've ever used before.

KEEN KUTTER grade selected white hickory handle, smoothly waxed and guaranteed perfect. SIMMONS patented self-locking wedge fastens head onto handle—absolutely prevents loosening.

Be sure that your axe is a KEEN KUTTER

Mild steel body, highest grade crucible steel bit. KEEN KUTTER grade selected white hickory handle—fastened with SIMMONS patented wedge.



"KLASSIC"—MICHIGAN PATTERN

An Exclusive De Luxe Finish—the finest finished axe on the market. Full polished, bright shining head with attractive design, gold bronzed edge. KEEN KUTTER trade mark die stamped on head.

TB KK36N—Handled

With No. TB K236 octagon handle.

Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.
3½	\$2.70	65
4	2.85	71

TB KK36—Unhandled

Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.
3½	\$2.10	49
4	2.25	56



KEEN KUTTER ARISTOCRAT—MICHIGAN PATTERN, PLAIN

Distinctive in appearance. Head smoothly finished, enameled bright red. KEEN KUTTER trade mark deep etched and gold bronze filled. Bit and poll highly polished.

TB KMA1—Handled

Selected all white hickory handle, octagon shaped, with tip enameled red to match head.

Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.
3 to 4	\$2.75	64
3½ to 4½	2.95	70

Handled Axes—One dozen in a crate, heads enclosed, handles projecting, wrapped in paper and burlapped.

Unhandled Axes—One dozen in a wood box.

Each axe put up in wrapper and labeled, giving weight of axe—weight each stamped on poll.

When ordering—specify number and weight of head.

WE CAN SUPPLY AXES HANDLED WITH ANY OF OUR STOCK HANDLES—SEE HANDLE COMBINATIONS

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER SINGLE BIT AXES

America's Finest!

Mild steel body, highest grade crucible steel bit. KEEN KUTTER grade selected white hickory handle—fastened with SIMMONS patented wedge.



MICHIGAN PATTERN—PERFECT BEVEL

Handsomely finished—full polished, with bevels painted tartar red.

TB KM114P—Handled

With No. TB KR236 oval handle.

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
3 to 4	\$2.60	65
3½ to 4½	2.70	70

TB KM114—Unhandled

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.	Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
3	\$2.10	46	4¼	\$2.10	58
3¼	2.10	47	4½	2.25	60
3½	2.10	49	3 to 4	.....	54
3¾	2.10	52	3½ to 4½	.....	49
4	2.10	56			



MICHIGAN PATTERN—PLAIN

Gold bronzed, with bit and poll polished.

TB KM103P—Handled

With No. TB KR236 oval handle.

Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.
3	\$2.60	62
3½	2.70	65
3¾	2.70	68
4	2.80	71
3 to 4	.....	65
3½ to 4	.....	68
3½ to 4½	.....	70
4 to 5	.....	75

TB KM103—Unhandled

Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.
3	\$1.95	46
3½	1.95	49
3¾	1.95	52
4	1.95	56
4¼	1.95	58
4½	2.10	60
3 to 4	.....	49
3½ to 4	.....	51
3½ to 4½	.....	54
4 to 5	.....	59



MICHIGAN PATTERN—PLAIN

Extra hard tempered, hand whetted bit. Attractive smooth black finish.

TB KM302P—Handled

With No. TB KR236 oval handle.

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
3 to 4	\$2.60	65
3½ to 4	2.70	66
3½ to 4½	2.70	67
4 to 5	2.80	75

TB KM302—Unhandled

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.	Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
3	\$1.95	46	4½	\$1.95	60
3¼	1.95	47	5	2.10	67
3½	1.95	49	3 to 4	.....	49
3¾	1.95	52	3½ to 4	.....	51
4	1.95	56	3½ to 4½	.....	54
4¼	1.95	58	4 to 5	.....	59

Handled Axes—One dozen in a crate, heads enclosed, handles projecting, wrapped in paper and burlapped.

Unhandled Axes—One dozen in a wood box.

Each axe put up in wrapper and labeled, giving weight of axe—weight each stamped on poll.

When ordering—specify number and weight of head.

WE CAN SUPPLY AXES HANDLED WITH ANY OF OUR STOCK HANDLES—SEE HANDLE COMBINATIONS.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER SINGLE BIT AXES

America's Finest!

Mild steel body, highest grade crucible steel bit. KEEN KUTTER grade selected white hickory handle—fastened with SIMMONS patented wedge.



DAYTON (WIDE HEAD) PATTERN, PERFECT BEVEL
Handsomely finished, full polished—bevels painted red.

TB KD113N—Handled

With No. TB K236 octagon handle.

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
3½ to 4½	\$2.55	70
4 to 5	2.55	75

TB KD113—Unhandled

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.	Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
3	\$2.00	46	4¼	\$2.00	58
3¼	2.00	47	4½	2.00	60
3½	2.00	49	5	2.10	67
3¾	2.00	52	3½ to 4½	.....	54
4	2.00	56	4 to 5	.....	59



DAYTON (WIDE HEAD) PATTERN, PLAIN
Gold bronzed, with bit and poll polished.

TB KD101P—Handled

With No. TB KR236 oval handle.

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
3	\$2.50	62
3½	2.50	65
3¾	2.50	68
4	2.50	71
3 to 4	2.50	64
3½ to 4½	2.50	70
4 to 5	2.50	75
4½ to 5½	2.60	80

TB KD101—Unhandled

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.	Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
3	\$1.95	46	4¼	\$2.00	63
3¼	1.95	47	5	2.00	67
3½	1.95	49	3 to 4	.....	49
3¾	1.95	52	3½ to 4½	.....	54
4	1.95	56	4 to 5	.....	59
4¼	1.95	58	4½ to 5½	.....	64
4½	1.95	60			



DAYTON (WIDE HEAD) PATTERN, PLAIN
Extra hard tempered, hand whetted bit. Attractive smooth black finish.

TB KD301N—Handled

With No. TB K236 octagon handle.

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
3 to 4	\$2.40	65
3½ to 4½	2.50	70
4 to 5	2.60	75

TB KD301—Unhandled

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.	Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
3	\$1.95	46	4½	\$1.95	60
3¼	1.95	47	4¾	2.00	63
3½	1.95	49	5	2.00	67
3¾	1.95	52	3 to 4	.....	49
4	1.95	56	3½ to 4½	.....	54
4¼	1.95	58	4 to 5	.....	59

Handled Axes—One dozen in a crate. Heads enclosed, handles projecting, wrapped in paper and burlapped.

Unhandled Axes—One dozen in a wood box.

Each axe put up in wrapper and labeled, giving weight of axe—weight each stamped on poll.

When ordering—specify number and weight of head.

WE CAN SUPPLY AXES HANDLED WITH ANY OF OUR STOCK HANDLES—SEE HANDLE COMBINATIONS

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER SINGLE BIT AXES

America's Finest!

Mild steel body, highest grade crucible steel bit. KEEN KUTTER grade selected white hickory handle—fastened with SIMMONS patented wedge.



SOUTHERN KENTUCKY PATTERN, PLAIN
Gold bronzed, with bit and poll polished.

TB KSK105N—Handled
With No. TB K236 octagon handle.

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
3 to 4	\$2.45	64
3½ to 4½	2.45	69
4 to 5	2.45	75
4½ to 5½	2.55	80
4½ to 6	2.55	85

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
3	\$1.95	46
3½	1.95	49
3¾	1.95	52
4	1.95	53
4¼	1.95	56
4½	1.95	60
4¾	2.10	63
5	2.10	67

TB KSK105—Unhandled

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
5½	\$2.10	73
6	2.10	75
3 to 4	.....	48
3½ to 4½	.....	53
4 to 5	.....	59
4½ to 5½	.....	64
4½ to 6	.....	69



BALTIMORE KENTUCKY PATTERN
Gold bronzed, with bit and poll polished.

TB KBK115P—Handled
With No. TB KR236 oval handle.

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
3 to 4	\$2.40	64
3½ to 4½	2.50	69
4 to 5	2.60	75
4½ to 5½	2.70	80

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
3	\$2.00	46
3½	2.00	49
3¾	2.00	52
4	2.00	56
4¼	2.00	58
4½	2.00	60
4¾	2.10	63

TB KBK115—Unhandled

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
5	\$2.10	67
5½	2.10	71
3 to 4	.....	48
3½ to 4½	.....	53
4 to 5	.....	59
4½ to 5½	.....	64



WISCONSIN PATTERN, PLAIN
Extra hard tempered, hand whetted bit. Attractive smooth black finish.

TB KWS04N—Handled

With No. TB KR236 oval handle.

Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.
3 to 4	\$2.55	65
3¼ to 3¾	2.55	68
3½ to 4	2.55	70

TB KW304—Unhandled

Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.
3	\$2.00	46
3¼	2.00	47
3½	2.00	49
3¾	2.00	52
4	2.00	56

Handled Axes—One dozen in a crate, heads enclosed, handles projecting, wrapped in paper and burlapped.
Unhandled Axes—One dozen in a wood box.

When ordering—specify number and weight of head.

WE CAN SUPPLY AXES HANDLED WITH ANY OF OUR STOCK HANDLES—SEE HANDLE COMBINATIONS

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER SINGLE BIT AXES

America's Finest!

Mild steel body, highest grade crucible steel bit. KEEN KUTTER grade selected white hickory handle—fastened with SIMMONS patented wedge.



SPECIAL COMPOSITE PATTERN, PLAIN
(Adapted for all sections.)

Extra fine quality crucible steel bit, hand hammered and whetted. Distinctive, natural forged finish with KEEN KUTTER trade mark deep etched. Each axe carefully oiled, making it rustproof.

TB KC5N—Handled

With TB K236 octagon handle.

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
3	\$2.60	62
3½	2.65	65
3¾	2.75	68
4	2.80	71
3 to 4	2.60	65
3½ to 4	2.65	68
3½ to 4½	2.75	70
4 to 5	2.80	75

TB KC5—Unhandled

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.	Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
3	\$2.15	46	4¼	\$2.25	63
3¼	2.15	47	5	2.25	67
3½	2.15	49	3 to 4	.....	49
3¾	2.15	52	3½ to 4	.....	52
4	2.15	56	3½ to 4½	.....	54
4¼	2.15	58	4 to 5	.....	59
4½	2.15	60			



HOOSIER PATTERN, PLAIN
Gold bronzed, with bit and poll polished.

TB KH200P—Handled

With No. TB KR236 oval handle.

Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.
3½	\$2.55	65
3¾	2.55	68
4	2.55	71
4½	2.55	65
3½ to 4½	2.55	70

TB KH200—Unhandled

Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.
3½	\$2.00	49
3¾	2.00	52
4	2.00	56
4½	2.00	60
3½ to 4½	.....	54

Handled Axes—One dozen in a crate, heads enclosed, handles projecting, wrapped in paper and burlapped.

Unhandled Axes—One dozen in a wood box.

Each axe put up in wrapper and labeled, giving weight of axe. Weight each stamped on poll.

When ordering—specify number and weight of head.

WE CAN SUPPLY AXES HANDLED WITH ANY OF OUR STOCK HANDLES—SEE HANDLE COMBINATIONS

Polly-Prim ENAMELWARE
Is Long Wearing, Easy to Clean
and Attractive

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SIMMONS SINGLE BIT AXES

Designed for Those Who Require a Long-Service Axe—At an Economical Price

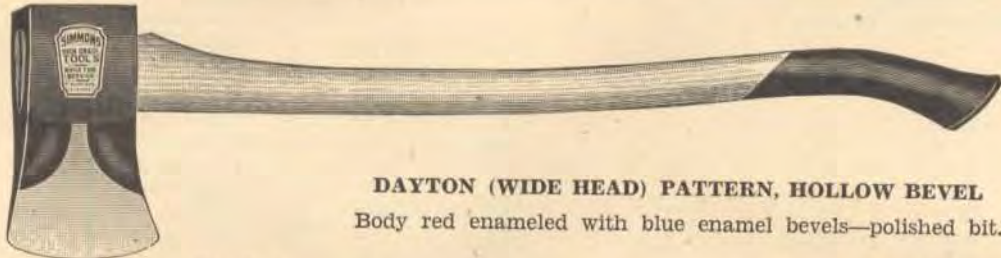
- Sturdy, high grade forged steel head—properly tempered and hardened.
- Correctly shaped to burst the chips free and come out clean—will not bind.
- Accurately balanced for a smooth, easy swing.
- Takes and holds hard, sharp cutting edge.

Head construction combines mild steel body and eye (to prevent chipping of head or breaking of eye) with high grade crucible steel bit—electrically welded into one solid, durable piece.

- High quality handle—strong and sturdy. Comfortable grip.
- Head fastened to handle with the safest locking wedge ever designed.
- Attractively finished to match built-in quality.
- Guaranteed against defects in material or workmanship.

Good grade, clear, second growth hickory handle, smoothly finished. SIMMONS patented self-locking wedge locks head securely onto handle—absolutely prevents loosening.

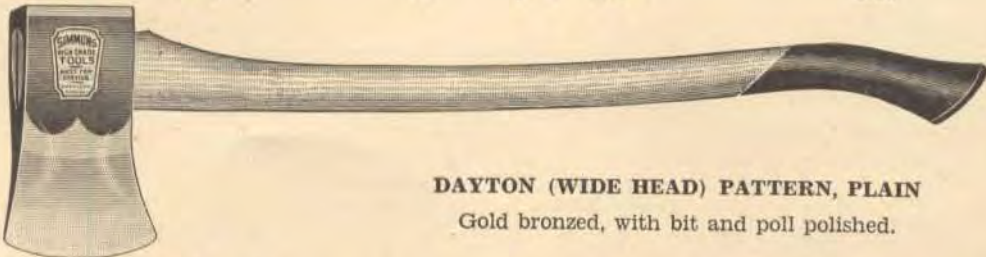
For a good axe at an economical price—choose a SIMMONS



DAYTON (WIDE HEAD) PATTERN, HOLLOW BEVEL
Body red enameled with blue enamel bevels—polished bit.

TB S800B—Handled		
Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.
3 to 4	\$2.00	65
3½ to 4½	2.10	70
4 to 5	2.20	75

TB S800—Unhandled		
Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.
3 to 4	\$1.69	49
3½ to 4½	1.79	51
4 to 5	1.89	59



DAYTON (WIDE HEAD) PATTERN, PLAIN
Gold bronzed, with bit and poll polished.

TB S701B—Handled		
Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.
3 to 4	\$2.00	65
3½ to 4½	2.10	70

TB S701—Unhandled		
Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.
3 to 4	\$1.69	49
3½ to 4½	1.79	51



MICHIGAN PATTERN, PLAIN
Gold bronzed, with bit and poll polished.

TB S702B—Handled		
Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.
3 to 4	\$2.00	65
3½ to 4½	2.10	70

TB S702—Unhandled		
Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.
3 to 4	\$1.69	49
3½ to 4½	1.79	51

One dozen in a crate.

Weight of axe stamped on the poll.

WE CAN SUPPLY AXES HANDLED WITH ANY OF OUR STOCK HANDLES—SEE HANDLE COMBINATIONS.
When ordering—specify number and weight of head.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SINGLE BIT AXES



KLICHER

A serviceable axe at a very economical price.
DAYTON (WIDE HEAD) PATTERN, PLAIN

One-piece, rough-forged steel, with carefully ground and polished bit. Hardened poll.

TB 901KXX—Handled

With comfortable grip, oval handle No. TY 336K securely fastened to head with wood wedge.

TB 901K—Unhandled

Weight Head, Lbs.	Each
3 to 4	\$1.69
3½ to 4½	1.79

Weight Per Dozen, Lbs.
65
70

Weight Head, Lbs.	Each
3 to 4	\$1.45
3½ to 4½	1.55

Weight Per Dozen, Lbs.
49
54

One-half dozen in a box.

SIMMONS LEADER AXES

Good Quality at a Low Price



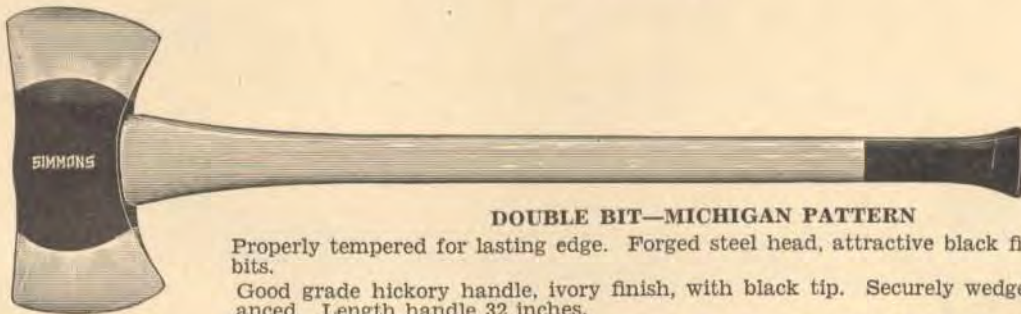
SINGLE BIT—MICHIGAN PATTERN

Forged steel head. Properly tempered for lasting edge. Attractive black finish, polished bit.

Good grade hickory handle, ivory finish, with black tip. Securely wedged. Well balanced. Length handle 36 inches.

TB SY1—Weight head 3½ lbs. Weight each 4 lbs.Std. List, Each \$1.59 Each \$1.59

Four in a package.



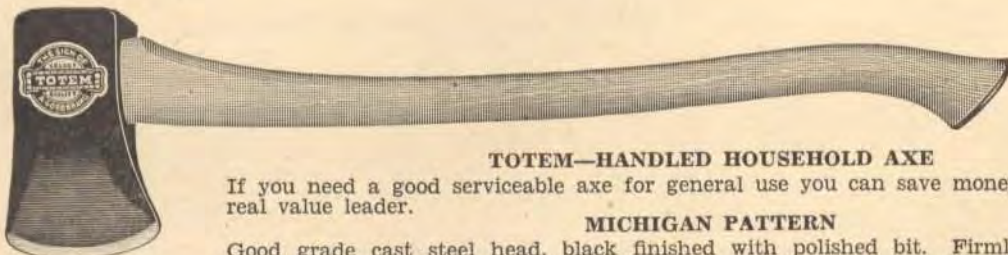
DOUBLE BIT—MICHIGAN PATTERN

Properly tempered for lasting edge. Forged steel head, attractive black finish, polished bits.

Good grade hickory handle, ivory finish, with black tip. Securely wedged. Well balanced. Length handle 32 inches.

TB SY2—Weight head 3½ lbs. Weight each 4 lbs.Std. List, Each \$1.99 Each \$1.99

Four in a package.



TOTEM—HANDLED HOUSEHOLD AXE

If you need a good serviceable axe for general use you can save money by owning this real value leader.

MICHIGAN PATTERN

Good grade cast steel head, black finished with polished bit. Firmly wedged strong hickory handle, polished and waxed. Weight head 3½ lbs. Length handle 36 inches.

TB TB100—Weight per dozen 65 lbs.Each \$1.15

One-half dozen in a box.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER DOUBLE BIT AXES

Recognized for Over Half a Century as the Finest Axe That Money and Skill Can Produce

8 REASONS WHY KEEN KUTTER AXES ARE THE BEST YOU CAN BUY.

1. **Longer life**—special process highest grade steel head properly tempered and hardened.
2. **Cuts deep and clean**—head expertly shaped to burst the chips free—will not bind.
3. **Easier, better work**—perfectly balanced by expert craftsmen for a smooth, accurate swing.
4. **Fast cutting**—takes better cutting edge, holds it longer.

5. **Highest quality handle**—thoroughly dried and seasoned for added strength—comfortable grip.
6. **Head cannot loosen**—fastened to handle with safest locking wedge ever designed.
7. **Distinctive appearance**—handsomely finished to match its built-in quality.
8. **Thoroughly inspected**—carefully tested and guaranteed against defects in material and workmanship.

Special head construction combines mild steel body (to prevent chipping of head or breaking of eye) with highest grade crucible steel bits—electrically welded into one solid piece to give you a longer lasting axe than you've ever used before.

KEEN KUTTER grade selected white hickory handle, smoothly waxed and guaranteed perfect. SIMMONS patented self-locking wedge fastens head onto handle—absolutely prevents loosening.

Be sure that your axe is a KEEN KUTTER



Mild steel body, highest grade crucible steel bit. KEEN KUTTER grade selected white hickory handle—fastened with SIMMONS patented wedge.

"KLASSIC"—REGULAR OR WESTERN PATTERN

An exclusive de luxe finish—finest finish of any axe on the market. Full polished, bright shining head with attractive design—gold bronzed edge. KEEN KUTTER trade mark die stamped on head.

TB KK360DN—Handled

With No. TB KD236 octagon handle.

Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.
3½	\$3.10	65
4	3.25	71

TB KK360—Unhandled

Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.
3½	\$2.45	49
4	2.60	56



SPECIAL COMPOSITE PATTERN

Extra fine quality, uniformly tempered and hand-whetted bits. Distinctive, natural forged finish with KEEN KUTTER trade mark etched in deep. Each axe carefully oiled—making it rustproof.

TB KC50DP—Handled

With No. TB KDR236 oval handle.

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
3 to 4	\$3.10	65
3½ to 4½	3.25	70

TB KC50—Unhandled

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
3	\$2.45	46
3¼	2.45	47
3½	2.45	49
3¾	2.60	52
4	2.60	56

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
4¼	\$2.70	58
4½	2.70	60
3 to 4	.....	49
3½ to 4½	.....	54

Handled Axes—One dozen in a crate, heads enclosed, handles projecting, wrapped in paper and burlapped.

Unhandled Axes—One dozen in a wood box.

Each axe put up in wrapper and labeled, giving weight of axe. Weight each stamped near the eye.

When ordering—specify number and weight of head.

WE CAN SUPPLY AXES HANDLED WITH ANY OF OUR STOCK HANDLES—SEE HANDLE COMBINATIONS

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER DOUBLE BIT AXES

America's Finest!

Mild steel body, highest grade crucible steel bit. KEEN KUTTER grade selected white hickory handle—fastened with SIMMONS patented wedge.



REGULAR OR WESTERN PATTERN, PERFECT BEVEL

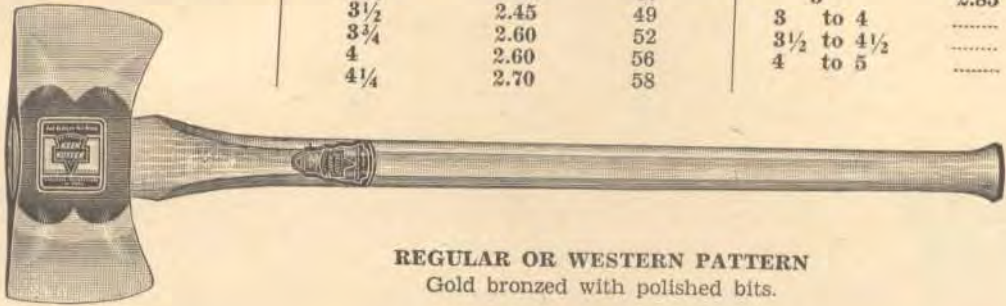
Extra hard tempered, hand-whetted bits. Handsomely finished—full polished, with bevels painted red.

TB KR154DP—Handled
With No. TB KDR236 oval handle.

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
3½ to 4½	\$3.10	70
4 to 5	3.25	75

TB KR154—Unhandled

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.	Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
3	\$2.45	46	4½	\$2.70	60
3¼	2.45	47	5	2.85	67
3½	2.45	49	3 to 4	.....	49
3¾	2.60	52	3½ to 4½	.....	54
4	2.60	56	4 to 5	.....	59
4¼	2.70	58			



REGULAR OR WESTERN PATTERN

Gold bronzed with polished bits.

TB KR150DN—Handled
With No. TB KD236 octagon handle.

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
3 to 4	\$2.85	65
3½ to 4½	2.95	70
4 to 5	3.10	75

TB KR150—Unhandled

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.	Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
3	\$2.25	46	4½	\$2.45	60
3¼	2.25	47	4¾	2.60	63
3½	2.25	49	5	2.60	67
3¾	2.35	52	3 to 4	.....	49
4	2.35	56	3½ to 4½	.....	54
4¼	2.45	58	4 to 5	.....	59



REGULAR OR WESTERN PATTERN

Extra hard tempered, hand-whetted bits. Attractive, smooth, black finish.

TB KR350DN—Handled
With No. TB KD236 octagon handle.

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
3 to 4	\$2.85	65
3½ to 4	2.95	67
3½ to 4½	2.95	70
4 to 5	3.10	75

TB KR350—Unhandled

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.	Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
3	\$2.25	46	4¾	\$2.60	63
3¼	2.25	47	5	2.60	67
3½	2.25	49	3 to 4	.....	49
3¾	2.35	52	3½ to 4	.....	51
4	2.35	56	3½ to 4½	.....	54
4¼	2.45	58	4 to 5	.....	59
4½	2.45	60			

Handled Axes—One dozen in a crate, heads enclosed, handles projecting, wrapped in paper and burlapped.

Unhandled Axes—One dozen in a wood box.

Each axe put up in wrapper and labeled, giving weight of axe. Weight each stamped near the eye.

WE CAN SUPPLY AXES HANDLED WITH ANY OF OUR STOCK HANDLES—SEE HANDLE COMBINATIONS

When ordering—specify number and weight of head.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER DOUBLE BIT AXES

America's Finest!

Mild steel body, highest grade crucible steel bit. KEEN KUTTER grade selected white hickory handle—fastened with SIMMONS patented wedge.



MICHIGAN OR CROWN PATTERN

Gold bronzed with polished bits.

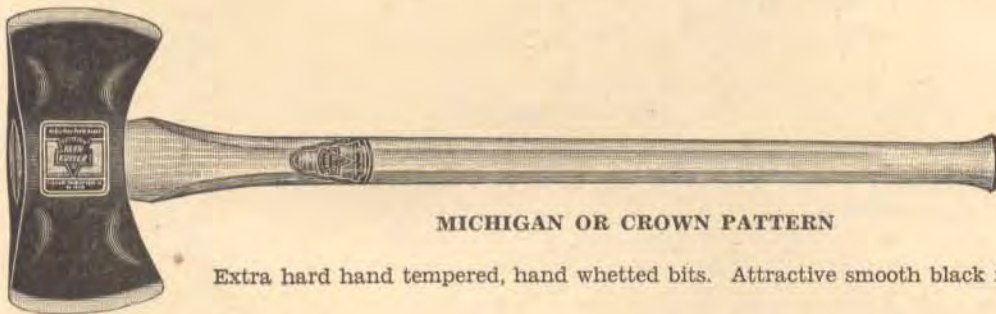
TB KM153DP—Handled

With No. TB KDR236 oval handle.

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
3½ to 4	\$2.95	67
3½ to 4½	2.95	70

TB KM153—Unhandled

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.	Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
3	\$2.25	36	4¼	\$2.45	58
3¼	2.25	39	4½	2.45	60
3½	2.25	42	3¼ to 3¾	.....	50
3¾	2.35	45	3½ to 4	.....	51
4	2.35	48	3½ to 4½	.....	54



MICHIGAN OR CROWN PATTERN

Extra hard hand tempered, hand whetted bits. Attractive smooth black finish.

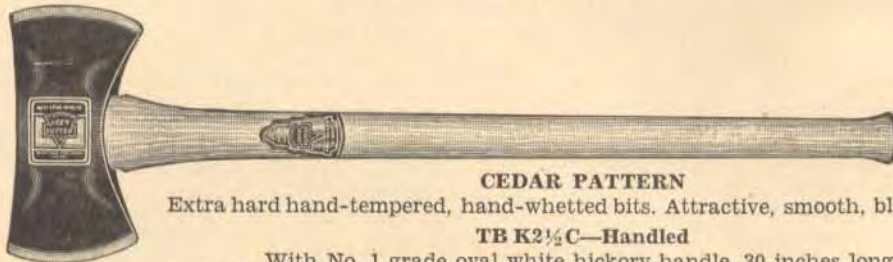
TB KM352DN—Handled

With No. TB KD236 octagon handle.

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
3 to 4	\$2.85	65
3½ to 4½	2.95	70
4 to 5	3.10	75

TB KM352—Unhandled

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.	Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
3	\$2.25	46	4½	\$2.45	60
3¼	2.25	47	5	2.60	67
3½	2.25	49	3 to 4	.....	49
3¾	2.35	52	3½ to 4½	.....	54
4	2.35	56	4 to 5	.....	59
4¼	2.45	58			



CEDAR PATTERN

Extra hard hand-tempered, hand-whetted bits. Attractive, smooth, black finish.

TB K2½C—Handled

With No. 1 grade oval white hickory handle, 30 inches long.

Weight Head 2½ lbs. Weight per dozen 50 lbs.....Each \$2.95

Handled Axes—one dozen in a crate, heads enclosed, handles projecting, wrapped in paper and burlapped.

Unhandled Axes—one dozen in a wood box.

Each axe put up in wrapper and labeled, giving weight of axe—weight each stamped near the eye.

When ordering—specify number and weight of head.

WE CAN SUPPLY AXES HANDLED WITH ANY OF OUR STOCK HANDLES—SEE HANDLE COMBINATIONS.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER DOUBLE BIT AXES

America's Finest!

Mild steel body, highest grade crucible steel bit. **KEEN KUTTER** grade selected white hickory handle—fastened with **SIMMONS** patented wedge.



CALIFORNIA REVERSIBLE OR HALF PEELING PATTERN
Gold bronzed with polished bits.

TB KCR152DN—Handled
With No. TB KD236 octagon handle.

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
3½ to 4	\$2.95	67
4 to 5	3.10	75

TB KCR152—Unhandled

Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.	Weight Head, Lbs.	Each	Wt. Per Doz., Lbs.
3½	\$2.25	50	4½	\$2.45	60
3¾	2.35	53	4¾	2.60	62
4	2.35	57	5	2.60	65

Handled Axes—one dozen in a crate, heads enclosed, handles projecting, wrapped in paper and burlapped.

Unhandled Axes—one dozen in a wood box.

Each axe put up in wrapper and labeled, giving weight of axe. Weight of each stamped near the eye.

When ordering—specify number and weight of head.

WE CAN SUPPLY AXES HANDLED WITH ANY OF OUR STOCK HANDLES—SEE HANDLE COMBINATIONS

HOW TO ORDER DIFFERENT HANDLE COMBINATIONS FOR HANDLED AXES

You can conveniently substitute any stock handle for the handles specified with axes as shown in catalogue—simply follow these instructions.

To obtain correct number for ordering—add the number of the handle to the number of the axe. For example, if you want unhandled axe No. TB KM103, 3½ to 4½ lbs., fitted with handle No. TB CXX (numbered Q in table below)—order is No. "TB KM103Q, 3½ to 4½ lbs." Use table to secure handle number for ordering.

To obtain correct total price—add price of unhandled axe to price of handle. Resulting price includes cost of wedges and handling operation.

Single Bit—36-Inch Handles

Nos.
B—No. TY SCT, oval
C—No. TY SCTO, octagon
E—KEEN KUTTER, No. TB K36, octagon
F—KEEN KUTTER, No. TB KR36, oval
J—Cumberland, No. TB CSXX36, octagon
N—KEEN KUTTER, No. TB K236, octagon
P—KEEN KUTTER, No. TB KR236, oval
Q—Cumberland, No. TB CXX, octagon
T—Cumberland, No. TB CA36, oval
TS—Cumberland, No. TB CAS36, oval straight
W—Blue Oak, No. TY A2R, oval
Y—Blue Oak, No. TB A1L, lumbermen's straight
VS—Blue Oak, No. TY A1RS, oval, slim pattern
XX—Klicker, No. TY 336K, oval

Double Bit—36-Inch Handles

Nos.
DB—No. TB DCT, oval
DC—KEEN KUTTER, No. TB KD36, octagon
DE—KEEN KUTTER, No. TB KDR36, oval
DF—Cumberland, No. TB CDXX, octagon
DG—No. TY DCTO, octagon
DH—Cumberland, No. TB CDA36, oval
DK—Blue Oak, No. TB A1RDB, oval
DL—Blue Oak, No. TY A2RDB, oval
DN—KEEN KUTTER, No. TB KD236, octagon
DP—KEEN KUTTER, No. TB KDR236, oval
DX—Klicker, No. TY 3KD, 36-inch, oval
DLS—Blue Oak, No. TB A1RDBS, slim pattern, oval

One dozen complete in a crate.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SIMMONS DOUBLE BIT AXES

Designed for Those Who Require a Long-Service Axe—At an Economical Price

- Sturdy, high grade forged steel head—properly tempered and hardened.
- Correctly shaped to burst the chips free and come out clean—will not bind.
- Guaranteed against defects in material or workmanship.
- Accurately balanced for a smooth, easy swing.

Head construction combines mild steel body and eye (to prevent chipping of head or breaking of eye) with high grade crucible steel bits—electrically welded into one solid, durable piece.

- Takes and holds hard, sharp cutting edge.
- High quality handle—strong and sturdy. Comfortable grip.
- Head fastened to handle with the safest locking wedge ever designed.
- Attractively finished to match built-in quality.

Good grade, clear, second growth hickory handle, smoothly finished. SIMMONS patented self-locking wedge locks head securely onto handle—absolutely prevents loosening.

For a Good Axe at an Economical Price—Choose a **SIMMONS**



REGULAR OR WESTERN PATTERN—HOLLOW BEVEL
Red enameled, with blue enameled bevels and polished bits.

TB S850DB—Handled			TB S850—Unhandled		
Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.	Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.
3 to 4	\$2.45	65	3 to 4	\$2.10	49
3½ to 4½	2.50	70	3½ to 4½	2.15	54
4 to 5	2.60	75	4 to 5	2.25	59



REGULAR OR WESTERN PATTERN
Natural, black finished, polished bits.

TB S650DB—Handled			TB S650—Unhandled		
Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.	Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.
3 to 4	\$2.45	65	3 to 4	\$2.10	49
3½ to 4½	2.50	70	3½ to 4½	2.15	54

One dozen in a crate.

Weight of axe stamped near the eye.

When ordering—specify number and weight of head.

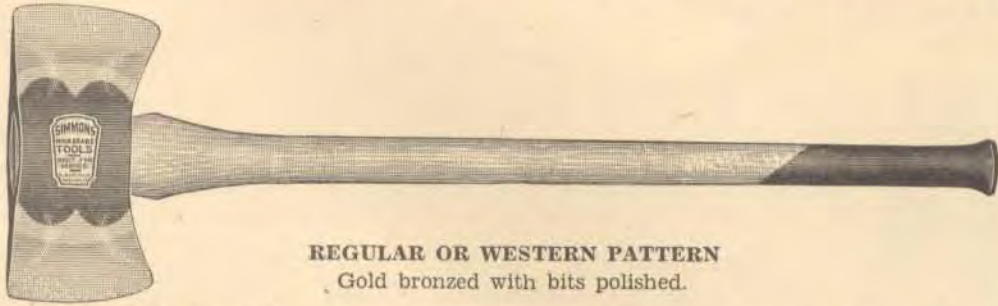
WE CAN SUPPLY AXES HANDLED WITH ANY OF OUR STOCK HANDLES—SEE HANDLE COMBINATIONS.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SIMMONS DOUBLE BIT AXES

An Unusual Value—for Long Service!

Mild steel body, high grade crucible steel bit. Good grade hickory handle—fastened with SIMMONS patented wedge



REGULAR OR WESTERN PATTERN

Gold bronzed with bits polished.

TB S750DB—Handled

With No. TBDCT oval handle, assorted colored tips.

Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.
3 to 4	\$2.45	65
3½ to 4½	2.50	70

TB S750—Unhandled

Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.
3 to 4	\$2.10	49
3½ to 4½	2.15	54



MICHIGAN PATTERN, PLAIN

Natural black finish with bits polished.

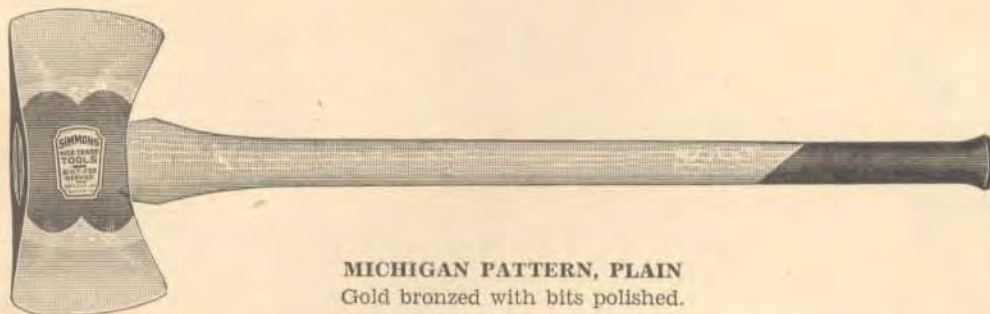
TB S652DB—Handled

With No. TBDCT oval handle, assorted colored tips.

Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.
3 to 4	\$2.45	65
3½ to 4½	2.50	70

TB S652—Unhandled

Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.
3 to 4	\$2.10	49
3½ to 4½	2.15	54



MICHIGAN PATTERN, PLAIN

Gold bronzed with bits polished.

TB S752DB—Handled

With No. TBDCT oval handle, assorted colored tips.

Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.
3 to 4	\$2.45	65
3½ to 4½	2.50	70

TB S752—Unhandled

Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.
3 to 4	\$2.10	49
3½ to 4½	2.15	54

One dozen in a crate.

Weight of axe stamped near the eye.

When ordering—specify number and weight of head.

WE CAN SUPPLY AXES HANDLED WITH ANY OF OUR STOCK HANDLES—SEE HANDLE COMBINATIONS

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KELLY PERFECT AXES

Fine quality materials and workmanship assure long, satisfactory service.

The head construction combines an extra tough crucible steel bit with a soft steel body and eye—electrically welded into one durable piece.

Normalizing process permits even tempering of bit. Body hollow beveled—shaped for fast, easy use. Poll hardened.

On handled axes, handle is accurately fitted for perfect balance—firmly fastened in head with wood wedge.

SINGLE BIT



MICHIGAN PATTERN—HOLLOW BEVEL

Polished, with bevels painted blue.

TB 1401Q—Handled

With No. TB CA36 oval hickory handle—straight grained, thoroughly dried and smoothly finished.

Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.
3 to 4	\$2.35	65
3½ to 4½	2.45	70

TB 1401—Unhandled

Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.
3 to 4	\$1.90	49
3½ to 4½	2.00	54



DAYTON (WIDE HEAD) PATTERN—HOLLOW BEVEL

Polished, with bevels painted blue.

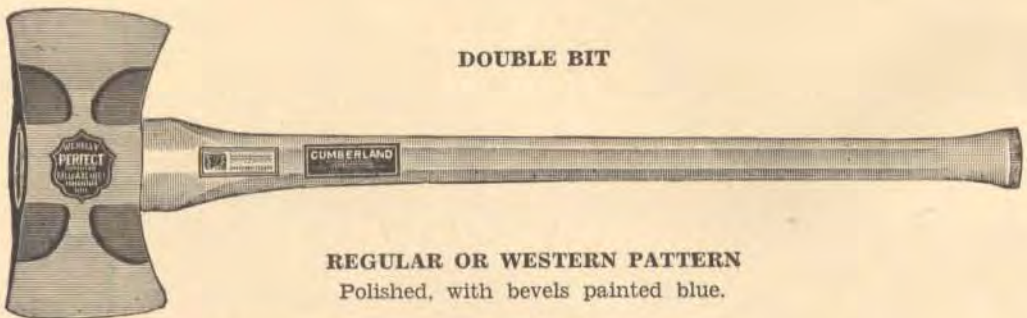
TB 1400Q—Handled

With No. TB CXX36 octagon hickory handle—straight grained, thoroughly dried and smoothly finished.

Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.
3½ to 4½	\$2.45	70

TB 1400—Unhandled

Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.
3½ to 4½	\$2.00	54



DOUBLE BIT

REGULAR OR WESTERN PATTERN

Polished, with bevels painted blue.

TB 1450DF—HANDLED

With No. TB CDXX octagon handle—straight grained, thoroughly dried and smoothly finished.

Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.
3 to 4	\$2.90	65
3½ to 4½	3.00	70

TB 1450—UNHANDLED

Weight Head, Lbs.	Each	Weight Per Dozen, Lbs.
3 to 4	\$2.65	49
3½ to 4½	2.75	54

Handled axes one dozen in a crate—Unhandled axes one dozen in a wood box.
Weight of axe stamped on poll.

When ordering—specify number and weight of head.

WE CAN SUPPLY AXES HANDLED WITH ANY OF OUR STOCK HANDLES—SEE HANDLE COMBINATIONS

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

BOYS' AXES KEEN KUTTER



YANKEE PATTERN—HOLLOW BEVEL

An ideal axe for campers, hunters or scouts. The tough, durable head takes and holds a sharp edge.

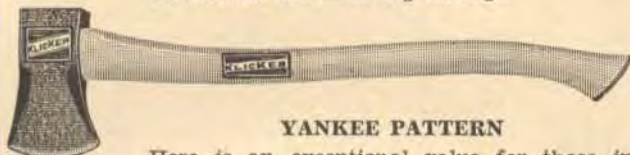
Forged, highest grade tool steel head—carefully and uniformly tempered—handsome, full polished finish with red painted hollow bevels. Extra quality straight grained, oval hickory handle. Head fastened with **SIMMONS** patented wedge—cannot come loose or fly off.

Weight head 2¼ lbs. Length handle 28 inches.

TB KB92—Weight per dozen 45 lbs. Each \$1.85

KLICKER

Serviceable Axes—At Big Savings



YANKEE PATTERN

Here is an exceptional value for those in need of an economy priced axe for general service.

Strong forged steel head with hard tempered, sharp bit. Has rust-resisting black crackled (Morocco) finish. Good quality oval hickory handle.

Weight head 2¼ lbs. Length handle 28 inches.

TB 2K—Weight per dozen 40 lbs. Each \$1.45

One-half dozen in a crate.

Heads enclosed, handles projecting and burlapped.



YANKEE PATTERN—HOLLOW BEVEL

An inexpensive, money saving axe for general use.

Cast steel head with polished bit and attractive rust-resisting body finish—painted red, with blue bevels. No. 2 quality handle.

Weight head 2¼ lbs. Length handle 28 inches.

TB 52K—Weight per dozen 40 lbs. Each \$0.98

One dozen in a case.

Handles projecting and covered with heavy kraft paper.

KEEN KUTTER BROAD AXES

America's Finest

"BOB TAYLOR" CANADA PATTERN

- Razor-sharp bit—hand tempered and tested for fast, easy cutting.
- Extra durable head—forged in one solid piece from special analysis high carbon tool steel. Hardened poll.

• Large broad eye gives handle large bearing surface—set close to blade for better control—makes possible closer, neater work. Properly shaped and balanced blade—unusually narrow in proportion to length. Weight well distributed. Black forged finished—bit polished.

Nos.	Each	Weight, Lbs.	Width Cutting Edge, In.	Wt. Per Doz., Lbs.
TB KBT67	\$7.25	6 to 7	11 to 12	92
TB KBT78	7.50	7 to 8	12 to 13	108

Each axe put up in a sealed wrapper and labeled, giving weight of axe.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

HOUSE AXES



KEEN KUTTER

Finest Quality, Handiest Little Axe Ever Made

An excellent axe for use around your house or workshop. The tough, durable head takes and holds a keen, easy-cutting edge.

Solid forged steel head finished in jet black with polished bit. Selected good quality hickory handle securely fastened with wood wedge—will not come loose.

Weight head 2¼ lbs. Length handle 18½ inches.

TB KH2¼—Weight per dozen 36 lbs. Each \$1.50



SIMMONS

A Real Value Leader!

Popularly priced—but better quality than many other higher priced axes. A really serviceable axe for general use.

Hand forged steel head with sharp, polished bit—rust-resisting black Morocco finish. Comfortable grip wood handle, ivory lacquered. Head firmly fastened with wood wedge. Good balance.

Weight head 2¼ lbs. Length handle 18½ inches.

TB SHM—Weight per dozen 38 lbs. Each \$1.39

One-half dozen in a carton.



SIMMONS LEADER

Good Quality at a Low Price

Forged steel head, black finish, polished bit. Hickory handle, ivory finish, black tip—securely wedged.

Weight head 2¼ lbs. Width cut 3¾ inches. Length 18 inches.

TB SY3—Weight each 2¼ lbs. Std. List

Each \$1.39 Each \$1.39

Four in a carton.



KLICKER

Bargain Priced, Serviceable Axe

A real money-saver—for general all around use.

Special one-piece "Craftcoite" (chrome-nickel alloy) head—heat treated for strength and durability. Rust-resisting black enamel finish. Sharp polished cutting edge. Good grade hickory handle, brown lacquered with red tip. Head tightly fastened with solid wood wedge.

Weight head 2¼ lbs. Length handle 16 inches.

TB 16HK—Weight per dozen 34 lbs. Each \$0.89

One-half dozen in a carton.

SIMMONS ADZES

Carpenters'—Half Head

Forged one-piece tool steel, carefully and uniformly tempered—extra tough and durable. Face of head hardened and polished—polished bit. Solid punched eye. Black finish body.

No.	Width Cut, Ins.	Length, Ins.	Weight per Doz., Lbs.	Each	TB SC4
	4	9	50	\$2.45	

One dozen in a wood box.

KEEN KUTTER SCOUT AXES

Ideal for Hunters, Campers and Scouts to Take on That Trip



—carefully tempered with precision ground, long lasting edge. Punched eye. Nail slot. Strong, comfortable grip handle of best quality, second growth white hickory. Handle secured with SIMMONS patented wedge—cannot loosen or fly off.

Handsome, durable jet black finish with trade mark etched deep on gold bronzed background. Poll and cutting edge polished. Width of cut 3 1/4 inches—length over all 14 1/4 inches.

TB K10—Axe only. Weight per dozen 20 lbs. Each \$1.39

TB K20—Axe No. TY K10 and Sheath No. TB KS. Weight per dozen 22 lbs. Each \$1.98

One-half dozen in a cardboard box.

SHEATHS FOR ABOVE KEEN KUTTER SCOUT AXES



Protect the keen edge and fine finish of your axe with one of these snug fitting, tough and durable sheaths. Made of high grade tan bridle leather, securely sewed and riveted. KEEN KUTTER snap button—grooved flap. Loop for hanging on a 1 inch belt. Length 6 3/4 inches—width 3 3/4 inches.

TB KS—Weight per dozen 2 lbs. Each \$0.59

Packing—bulk.

OFFICIAL BOY SCOUT AXES

APPROVED AND LICENSED BY THE BOY SCOUTS OF AMERICA



BRIDGEPORT

One piece head and handle of finest quality heat treated and hardened steel, with good sharp cutting edge and nail slot. Handle has inlaid natural finish hickory grip—securely fastened by two steel rivets. Attractively finished with polished poll and bit and red painted handle tip. Deep stamped, enamel filled Official Emblem on head. Width cut 3 1/4 inches—length over all 13 1/2 inches. Equipped with tough, protective sheath of high grade tan bridle leather—well sewed and riveted. Has snap fastener and loop for 1 inch belt. Embossed with Official Boy Scout Emblem.

TB 424—Axe and Sheath. Weight per dozen 20 lbs. Each \$2.00



PLUMB'S IMPROVED

Official Insignia stamped in gold on head. Strong head of one piece special analysis forged steel scientifically tempered. Nail slot. Handle well seasoned second growth hickory—fastened with patent take-up wedge to prevent loosening. Head handsomely finished in high lustre black with polished bit. Handle red finished with red painted grip and colorful green stripes. Weight head 1 1/4 lbs.—width cut 3 3/4 inches—length over all 14 inches.

TB 680—Axe only. Weight per dozen 18 lbs. Each \$1.45

Attractive sheath of good quality leather securely sewed and riveted. Large flap and snap fastener.

TB 682—Axe with Sheath. Weight per dozen 22 lbs. Each \$1.75

One-half dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SCOUT AXES

KLICKER

A SERVICEABLE AXE AT A LOW PRICE



Good grade cast head, tempered, with sharp bit ready for long use—punched eye. Nail slot. Attractive blue enamel finish head with polished cutting edge. Good grade handle, white lacquered with blue tip. Tight holding wood wedge. Width of cut 3 3/4 inches—length over all 13 3/4 inches.

TB 2SK—Weight per dozen 24 lbs. Each \$0.69



FOR SCOUTS, CAMPERS AND GENERAL UTILITY

Good grade cast head, tempered with sharp bit ready for long service. Punched eye. Handsomely finished, red colored body with polished blade. Smooth grip, brown lacquered wood handle, with red tip. Wood wedge. Width cut 3 inches—length over all 14 1/4 inches.

TB 49SK—Weight per dozen 12 lbs. Each \$0.49

One-half dozen in a carton.

Wedges for Securing Handles on Handled Tools

"GRADY WEDGE"

- Holds like a fish hook when driven in handle end—sharp corrugations prevent wedge from coming loose. Handle end stays securely wedged—head cannot slip or fly off.
- Non-rusting metal—cannot swell and crack handle. Cannot split or break loose.



AXE WEDGES
Length—1 1/4 inches.
Width—1 1/4 inches.
Thickness—1/8 inch at top—tapers to sharp edge.
TB 15—Weight per gross 7 1/8 lbs. Each \$0.05

One dozen in a carton.



Length—1 3/8 inches.
Width—1 1/8 inch.
Thickness—1/8 inch at top—tapers to sharp edge.
TB 10—Weight per card 1 lb. Each \$0.05

Two dozen on easel back display card.

HATCHET OR HAMMER WEDGES



Length—1 1/2 inches.
Width—1/2 inch.
Thickness—1/8 inch at top—tapers to sharp edge.
TB 5—Weight per card 1 lb. Each \$0.05

Three dozen on easel back display card.

BOX HAMMERS OR CRATE OPENERS



Good grade solid forged steel. Claw hardened, tempered and tested. Hammer head hardened and tempered with one scored and one smooth face.

No.	Each	Length Over All, Ins.	Length Head, Ins.	Wt. Per Doz., Lbs.
TB 70	\$0.59	9 $\frac{1}{2}$	3	13

One-half dozen in a carton.

CARTON OPENER OR WAREHOUSE JIMMIES



A most convenient and inexpensive tool for store, factory, farm, warehouse and general household use. It is handy for opening cartons, cases, crates, boxes and barrels, and for prying open obstinate drawers and windows.

Exceptionally strong—forged from solid one-piece, high-grade steel with highly tempered, thin, double-edged blade. Length 11 inches.

No.	Each	Weight Per Dozen, Lbs.
TB 50	\$0.59	8 $\frac{1}{2}$

One dozen in a carton.

NAIL PULLERS



SURE GRIP

Pulls nails straighter—without slipping or pinching hands.

Sharp, strong jaws work automatically without springs, box joint construction keeps jaws in line—cannot slip. Needs less ramming. New style rocker arm gives greater leverage. Improved hand guard protects you from injury.

The wide, flat base of rocker arm makes tool useful for opening cases or boxes with thin wood tops. All working parts forged from special analysis steel, extremely strong and durable. Shank and hand guard forged in one piece. Heavy steel rivet at joint. Heavy cast handle, jet black enameled finish. All other parts natural steel. Jaw points polished.

No.	Each	Length Over All, Inches	Wt. Per Doz., Lbs.
TB 56S	\$1.75	17 $\frac{3}{4}$	53

Three dozen in a case.

TACK CLAWS

KEEN KUTTER



Shaped for Easy Work
Designed for best leverage—built to last.

Claw and shank forged from highest grade tool steel, blued finish. Stained hardwood handle, with nickel plated ferrule.

No.	Each	Length Over All, Inches	Length Handle, Inches	Width Claw, Inches	Weight Per Doz., Lbs.
TB K5	\$0.19	7	4	$\frac{5}{8}$	2

One dozen in a carton.

CARPENTERS' WRECKING BARS

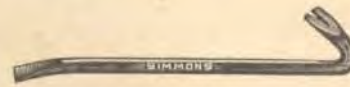
SIMMONS



Extra Strong for Heavy Work—Solid high carbon octagon rail steel, with polished ends. Wedge or chisel point at upper end for easy prying—goose neck bend and claw at lower end for strong leverage.

Nos.	Each	Length, Inches	Diameter, Inch	Wt. Per Doz., Lbs.
TB SG18	\$0.19	18	$\frac{5}{8}$	25
TB SG24	.29	24	$\frac{3}{4}$	42
TB SG30	.39	30	$\frac{3}{4}$	50

SIMMONS LEADER



Good quality at a low price.

Tough and sturdy. Drop forged hexagon steel, $\frac{3}{4}$ -inch in diameter, 24 inches long. Goose neck bend and claw at lower end.

TB SU2—Weight each 3 $\frac{3}{4}$ lbs.

Std. List Each \$0.39 Each \$0.39

Packing—bulk.

CROW BARS

Built for Extra Heavy Duty—Solid forged steel with round body, octagon neck and squared lower end. Oil finished. Hardened points.



WEDGE POINT

Nos.	Each	Length, Feet	Size Square, Inches	Weight Each, Lbs.
TB W14	\$1.90	4 $\frac{1}{2}$	1 $\frac{1}{8}$	14
TB W18	2.50	5	1 $\frac{1}{4}$	18



PINCH POINT

Nos.	Each	Length, Feet	Size Square, Inches	Weight Each, Lbs.
TB P18	\$2.50	5	1 $\frac{1}{4}$	18
TB P22	2.95	5 $\frac{1}{2}$	1 $\frac{3}{8}$	22
TB P26	3.75	6	1 $\frac{1}{2}$	26

Packing—bulk.

HANDY BARS



High carbon octagon steel, $\frac{1}{2}$ -inch in diameter, 12 inches long—with polished ends. Wedge or chisel point at upper end, goose neck bend and claw at lower end.

No.	Each	Weight Per Dozen, Lbs.
TB HB	\$0.12	9

One-half dozen in a carton.

STAPLE PULLERS



For pulling staples and small nails. Handy for opening crates. Shaped for maximum leverage.

Forged from $\frac{1}{2}$ inch octagon tool steel, natural finish. Claw tempered and polished. Length 9 $\frac{1}{4}$ inches.

TB M—Weight per dozen 7 lbs. Each \$0.19

One-half dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER HATCHETS—Highest Quality—Full Polished

- Forged from highest grade tool steel—for longer wear. Plain punched eye.
- Head and bit properly hardened and carefully tempered—holds sharp, fast-cutting edge.
- Head fastened with **SIMMONS** patent wedge for safety—will not fly off.
- Perfect balance gives smooth, accurate swing—for better work.
- Straight grained, waxed, white hickory handle—designed for comfortable grip.

Be Sure That Your Hatchet Is a **KEEN KUTTER**



**HALF
HAINES PATTERN**

Adze eye—round neck, bell poll, plain face.
Nail slot.

No.	TB KP301
Width Cut, Inches	3
Length Over All, Inches	13
Weight Head, Ounces	18
Weight Per Dozen, Lbs.	14½
Each	\$2.35



**LATHING
UNDERHILL PATTERN**

Plain eye—square head with checkered face—81 points.

No.	TB KP420
Width Cut, Inches	2¼
Length Over All, Inches	12½
Weight Head, Ounces	15
Weight Per Dozen, Lbs.	19
Each	\$2.45

One-third dozen in a display box.



**LATHING
HAINES PATTERN**

Adze eye—round neck, bell poll—checkered face—64 points.

No.	TB KP401
Width Cut, Inches	2¼
Length Over All, Inches	13
Weight Head, Ounces	13
Weight Per Dozen, Lbs.	15
Each	\$2.35

One-third dozen in a display box.



KEEN KUTTER hatchets are packed in an attractively colored display box. Easily set up—clearly displays hatchet and designates the points of superiority.

You Can Have Tomorrow's Kitchen
and Bathroom Today by Installing
SIMMONS PLUMBING

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER HATCHETS—America's Standard for Quality

- Forged from highest grade tool steel—for longer wear. Plain punched eye.
- Head and bit properly hardened and carefully tempered—holds sharp, fast-cutting edge.
- Attractive velvet-black finish with polished bevel. **KEEN KUTTER** trade-mark etched on gold bronzed background.
- Perfect balance gives smooth, accurate swing—for better work.
- Straight grained, waxed, white hickory handle—designed for comfortable grip.
- Head fastened with **SIMMONS** patent wedge for safety—will not fly off.

Be Sure That Your Hatchet Is a **KEEN KUTTER**

VELVET-BLACK FINISH

HALF



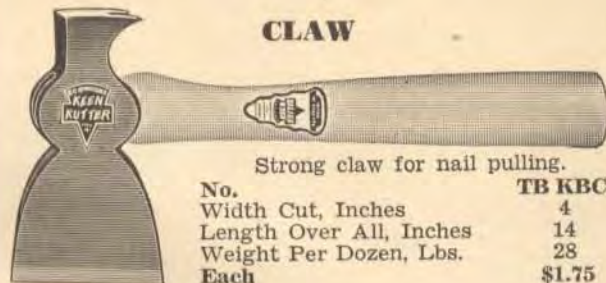
Octagon neck. Plain face. Nail slot.	
Nos.	TB KBH1 TB KBH2
Width Cut, Inches	3 1/4 3 5/8
Length Over All, In.	12 1/2 13 1/2
Wt. Per Dozen, Lbs.	20 23
Each	\$1.50 1.60

LATHING



Octagon neck. Checkered face. Nail slot.	
Nos.	TB KBL1 TB KBL2
Width Cut, Inches	2 1/4 2 1/2
Length Over All, In.	12 13
Wt. Per Dozen, Lbs.	18 22
Each	\$1.50 1.60

CLAW



Strong claw for nail pulling.

No.	TB KBC2
Width Cut, Inches	4
Length Over All, Inches	14
Weight Per Dozen, Lbs.	28
Each	\$1.75

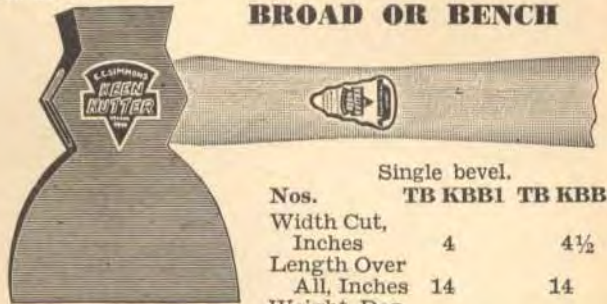
SHINGLING



Octagon neck. Plain face. Nail slot.	
Nos.	TB KBS1 TB KBS2
Width Cut, Inches	3 1/2 4
Length Over All, In.	13 14
Wt. Per Dozen, Lbs.	22 25
Each	\$1.45 1.50

One-third dozen in a display box.

BROAD OR BENCH



Single bevel.

Nos.	TB KBB1 TB KBB2
Width Cut, Inches	4 4 1/2
Length Over All, Inches	14 14
Weight, Doz., Lbs.	23 26
Each	\$1.95 2.25

TB KBB1—one-third dozen in display box. TB KBB2—one-half dozen in a carton.

FLOORING



Single bevel. Nail slot.

Nos.	TB KBF1 TB KBF2
Width Cut, In.	3 3/4 4 1/4
Length Over All, Inches	14 14 1/2
Wt., Doz., Lbs.	24 27
Each	\$2.10 2.35

TB KBF1—one-third dozen in a display box. TB KBF2—one-half dozen in a carton.

RIG BUILDERS' OR OIL DERRICK



Octagon neck, round polished poll, checkered face.

No.	TB KRBG
Width Cut, Inches	3 1/2
Length Over All, Inches	17 1/2
Weight, Dozen, Lbs.	27
Each	\$2.25

PRODUCE



Specially designed for opening crates and boxes. Special top nail slot. Square checkered face.

No.	TB KBGP10
Width Cut, Inches	2
Length Over All, Inches	11 1/2
Weight, Dozen, Lbs.	14
Each	\$1.65

One-third dozen in a display box.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SIMMONS HATCHETS

A Good Tool at a Lower Price

BRONZED FINISH

- Forged from good grade steel with extra tempered bit and hardened poll, punched eye, good service.
- Attractive gold bronzed finish with polished bits.
- Well balanced, smooth, accurate swing.
- Good grade white hickory handles—smooth finished for comfortable grip.
- Heads fastened with SIMMONS patented wedge for safety. Will not fly off.

HALF



Octagon neck, plain face—nail slot.

No.	TB SH1
Width Cut, Inches	3 1/4
Length Over All, Inches	12 1/2
Weight Per Dozen, Lbs.	20
Each	\$1.19

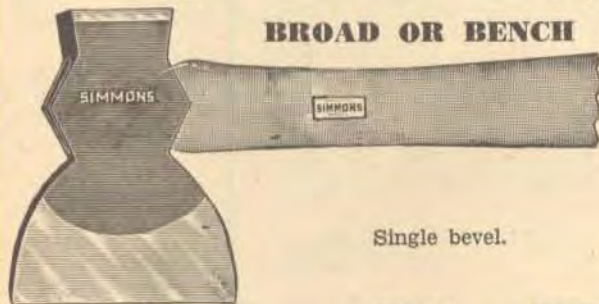
SHINGLING



Octagon neck, plain face—nail slot.

No.	TB SS1
Width Cut, Inches	3 1/2
Length Over All, Inches	13
Weight Per Dozen, Lbs.	22
Each	\$1.19

BROAD OR BENCH



Single bevel.

Nos.	TB SB1	TB SB2
Width Cut, Inches	4	4 1/2
Length Over All, Inches	14	14 1/2
Weight Per Dozen, Lbs.	21	26
Each	\$1.59	1.75

One-half dozen in a carton—two dozen in a case.

SIMMONS LEADER HATCHETS HOUSEHOLD



- Handy around the home for chopping wood, hammering, pulling nails and similar duties.

Chrome vanadium steel. Punched eye. Attractive dead black finish with polished bit and face. Ivory lacquered hickory handle with black tip—head securely wedged.

Octagon neck, plain face—beveled nail slot.

No.	TB SW1
Width Cut, Inches	3 1/4
Weight Per Carton (4) Lbs.	7 1/2
Each	\$1.09
Std. List Each	1.09

Four in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SIMMONS HALF HATCHETS

An unusually attractive buy—a good hatchet at a low price. One-piece forged steel, extra tempered bit, hardened poll, punched eye, sharpened ready for use.

Attractive head, black finish. Polished bit and face, walnut finish hickory handle, with beautiful gold foil label. Head fastened with SIMMONS patent wedge—won't fly off handle.

Octagon neck, plain face—nail slot.



No.	TB SSH138
Width Cut, Inches	3 3/8
Length Over All, Inches	12 3/8
Weight Per Dozen, Lbs.	18
Each	\$0.98

One-half dozen in a carton—two dozen in a case.

EXPERT SHINGLERS' HATCHETS



PLUMB

Specially designed and adapted for the man on the job — an exceptionally well-built, serviceable tool.

- Built-in depth gauge adjustable to five positions—a time-saving convenience.

- Extended, inner-edge bit—cutting edge at right angles to conventional edge and extending up to nail slot—greatly increases handiness of tool.

One-piece, special analysis forged steel, scientifically tempered. Punched eye. Checkered face (132 points). High luster black finish, with polished cutting edges. Handle well seasoned second growth hickory, red stained—perfectly shaped and balanced—secured to head by patented take-up wedge; with leather strap.

Weight head 16 ounces. Width cut 2 1/2 inches. Length over all 13 inches.

TB HF565 1/2—Weight per dozen 18 lbs.....Each **\$2.75**

One-half dozen in a carton.

RIG BUILDERS' HATCHETS



GERMANTOWN

These hatchets are well known for their high quality and on account of their long handle meet a definite demand in many sections of the country for oil derrick and rig building purposes.

Forged from one-piece solid tool steel—punched eye. Head and bit carefully tempered—has sharp, durable edge. Attractive fire bronzed finish. High-grade hickory handle with comfortable grip.

Octagon neck, round poll, scored face. Length handle 18 inches. Width cut 3 1/2 inches. Length over all 18 inches.

TB 1318—Weight per dozen 27 lbs.....Each **\$2.10**

One-half dozen in a carton.

KLICHER HATCHETS

The Economy Buy

JET BLACK FINISH

Finished in jet black, with polished bits.

- One-piece forged steel heads with smooth punched eyes, hardened polls and sharp, hard-tempered bits.
- Good grade, sturdy hickory handles, firmly fastened into heads.

HALF



Octagon neck, plain face—nail slot.	
Nos.	TB 21KH
Width Cut, In.	3¼
Length Over All, In.	12½
Wt. per Doz., Lbs.	20
Each	\$0.89

SHINGLING



Octagon neck, plain face—nail slot.	
Nos.	TB 21KS
Width Cut, In.	3¼
Length Over All, In.	13
Wt. per Doz., Lbs.	20
Each	\$0.89

CLAW



Nos.	TB 22KC
Width Cut, In.	4
Length Over All, In.	14
Wt. per Doz., Lbs.	28
Each	\$1.10

One-half dozen in a carton—six dozen in a case.

BROAD OR BENCH



Single Bevel	
Nos.	TY 22KB
Width Cut, In.	4½
Length Over All, In.	14½
Wt. per Doz., Lbs.	26
Each	\$1.29

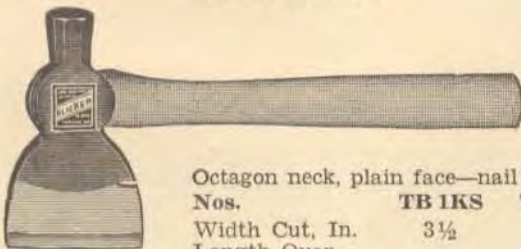
One-half dozen in a carton—six dozen in a case.

GOLD BRONZED FINISH

Attractively finished in gold bronze, with polished bits.

- Cast heads with hardened bits and polls.
- Medium grade hickory handles. These are serviceable tools for general use.

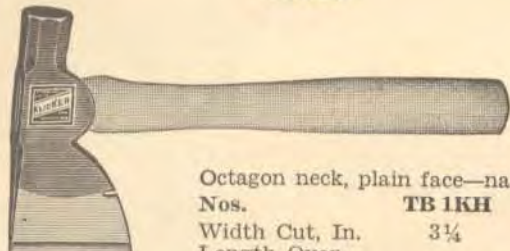
SHINGLING



Octagon neck, plain face—nail slot.		
Nos.	TB 1KS	TB 2KS
Width Cut, In.	3½	4
Length Over All, In.	12¾	14
Wt. per Doz., Lbs.	21	24
Each	\$0.49	.59

One-half dozen in a cardboard box.

HALF



Octagon neck, plain face—nail slot.		
Nos.	TB 1KH	TB 2KH
Width Cut, In.	3¼	3½
Length Over All, In.	12¼	13½
Wt. per Doz., Lbs.	21	23
Each	\$0.49	.59

One-half dozen in a cardboard box.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER NAIL HAMMERS

TEN REASONS WHY YOU SHOULD USE A KEEN KUTTER HAMMER

1. Highest grade metals—for longer life.
2. Specially hardened faces—prevent crushing or chipping in use.
3. Specially tempered claws—pull large nails easily—will pull headless nails.
4. Long adze eyes—give maximum bearing and leverage on handles—prevent loosening.
5. Handsome finishes—easily cleaned—stay bright.
6. KEEN KUTTER grade, select white hickory handles—straight grained for maximum strength. Well seasoned and springy. Designed for a comfortable grip.
7. Perfect balance—helps do better work with less effort.
8. Heads fastened with SIMMONS patented wedges for absolute safety.
9. Latest improvements in design.
10. Guaranteed against defects in material or workmanship.



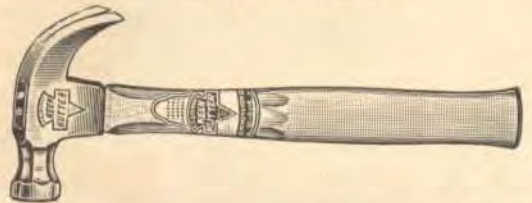
FORGED FROM THE HIGHEST QUALITY ALLOY STEEL

New spring eye—insures tighter hold of head on handle at all times, regardless of any possible shrinkage or drying out of handle. This feature does not weaken the hammer nor will it break the eye.

Special spring neck handle—our exclusive feature. Gives much greater flexibility and resiliency than the ordinary octagon neck handle—reduces shock of blows—less effort, less fatigue.

Streamlined long claw—easily pulls headless nails. Octagon neck, round head, and thoroughly tested.

No.	Each	Full Polished.		Weight Per Doz., Lbs.
		Weight Head, Ozs.	Length Over All, In.	
TB KSA	\$1.75	17	12¾	18



Octagon neck handle. Adze eye. Octagon neck, round head. Thoroughly tested.

Nos.	Each	Full Polished.		Weight Per Doz., Lbs.
		Weight Head, Ozs.	Length Over All, In.	
TB KP311	\$1.60	20	14	22
TB KP311½	1.45	16	13	18

FORGED FROM HIGHEST GRADE TOOL STEEL—EXCEPTIONALLY TOUGH



Octagon shaped handle—octagon neck and head. Thoroughly tested.

Nos.	Each	Full Polished.		Weight Per Doz., Lbs.
		Weight Head, Ozs.	Length Over All, In.	
TB K0112	\$1.40	13	13	15
TB K0110½	1.45	17	13	18
TB K0111	1.60	20	14	22



NAIL OR RIPPING
Oval handle. Bell face, straight claws. Dull black finish on neck and under claws.

Nos.	Each	Weight Length		Weight Per Doz., Lbs.
		Head, Ozs.	Over All, In.	
TB K411	\$1.45	20	14	22
TB K411½	1.25	16	13	20
TB K412	1.15	13	13	15



Oval handle. Bell face. Polished head with dull black finish on neck and under claws.

Nos.	Each	Weight Length		Weight Per Doz., Lbs.
		Head, Ozs.	Over All, In.	
TB K611	\$1.45	20	14	22
TB K611½	1.25	16	13	18
TB K612	1.20	13	13	15
TB K613	1.15	7	12	10



FULCRUM TYPE
The Hammer With the Easy Pull

Specially improved head makes it the easiest hammer to use for pulling nails. Long, easy angle claws spaced far enough from handle to permit prying under a 2-inch plank—rocker knob on head.

Greater accuracy in driving—improved neck design, so shaped that nail will not move away while being driven. Large diameter bell face—improves accuracy in driving.

Polished head with dull black finish on neck and under claws. Thoroughly tested.

No.	Each	Weight Length		Weight Per Doz., Lbs.
		Head, Ozs.	Over All, In.	
TB K611½F	\$1.35	16	13	19

One in a carton—six in a fibre box.

PACKAGING OF KEEN KUTTER NAIL HAMMERS

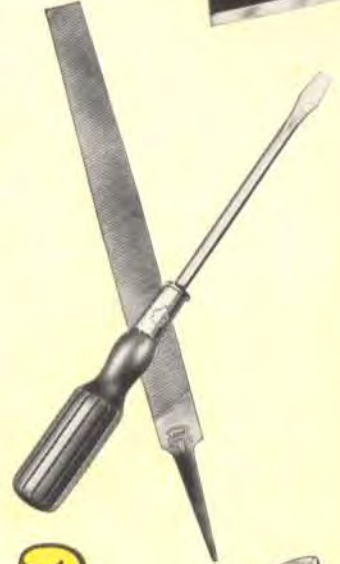
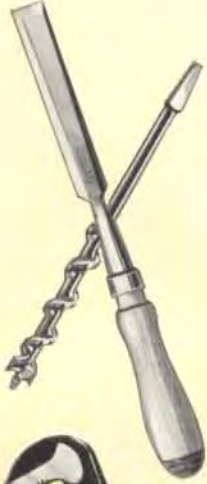
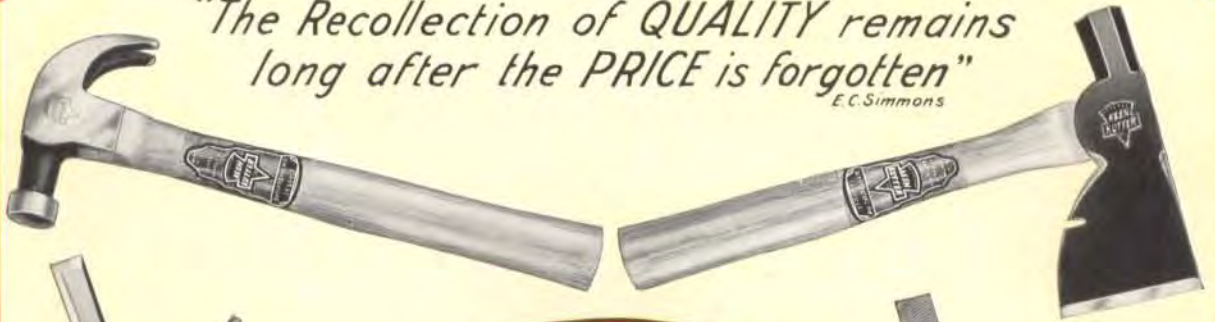


For protection of finish—and your guarantee of quality: All KEEN KUTTER nail hammers are packed in individual cartons (these also make a convenient retailer's package.)

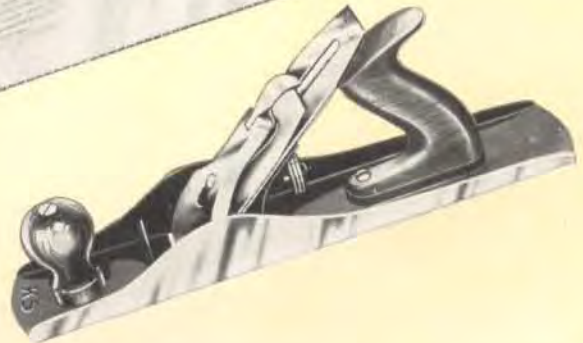
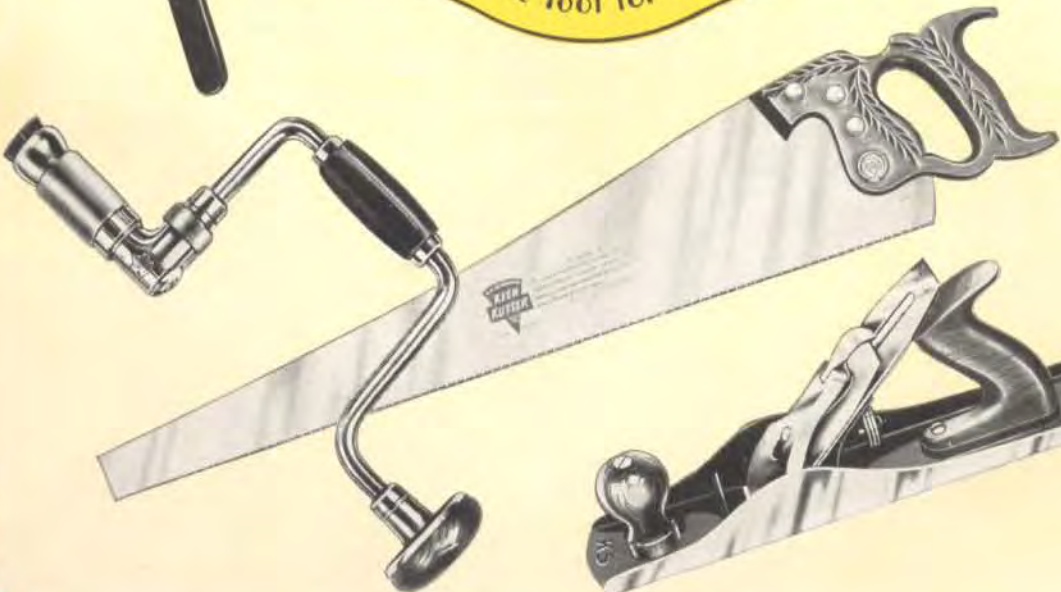
Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

*"The Recollection of QUALITY remains
long after the PRICE is forgotten"*

E.C. Simmons



THE LINE THAT IS MORE THAN JUST SO MANY TOOLS
A COMPLETE LINE CAREFULLY PLANNED
AND BUILT TO SERVE A VERY DEFINITE
PURPOSE, THAT OF MAKING EASIER
THE JOB OF THE RETAILER AND USER
KEEN KUTTER
"The Correct Tool for Every Job"



"YOU SHOW KEEN JUDGMENT
WHEN YOU SAY *KEEN KUTTER*"



You can do your work faster, easier and better by using *good* tools and cutlery — *KEEN KUTTER*. This distinctive trade-mark identifies tools and cutlery of surpassing quality in steel, temper—skilled workmanship—perfect balance—razor sharp edges that hold longer! The years will prove how right you were to choose *KEEN KUTTER*—America's standard of quality since 1870—the best known line of tools and cutlery in the world!

As **NATIONALLY ADVERTISED**
in **Country Gentleman**

NAIL HAMMERS

SIMMONS

- Tough, durable heads forged from high grade tool steel—properly tempered with hardened bell faces and claws for long service. Adze eyes.
- Strong, straight grained handles—smoothly finished—a comfortable grip.
- Heads fastened with SIMMONS patented wedges—absolutely cannot come loose or fly off.
- Well balanced for a smooth accurate swing.
- Attractive polished heads and faces—natural finish on necks and under claws.

Compare Them With Other Higher Priced Hammers!



White Hickory Handle

No.	Each	Weight Head, Ozs.	Length Over All, Ins.	Wt. Per Doz., Lbs.
TB S11½	\$0.95	16	13	18



Cherry Lacquered Hickory Handle

No.	Each	Weight Head, Ozs.	Length Over All, Ins.	Wt. Per Doz., Lbs.
TB S211½	\$0.79	16	13	18



NAIL OR RIPPING

Adze Eye. Bell face and straight claws. Both hardened. Polished head, black neck. White hickory handle.

No.	Each	Weight Head, Ozs.	Length Over All, Ins.	Wt. Per Doz., Lbs.
TB S311½	\$0.95	16	13	18

One-half dozen in a carton.

LADIES' HAMMERS SIMMONS LEADER



- Light but strong—every housewife will find it useful and easy to handle. Forged steel. Adze eye. Bell face and poll finished. Black finish on neck. Hickory handle 12 inches long, black tip.

No.	Each	Weight Head, Ozs.	Wt. Per Carton, (6) Lbs.	Std. List, Each
TB SM14	\$0.49	7	4½	\$0.49

Six in a carton.

NAIL HAMMERS

SIMMONS LEADER

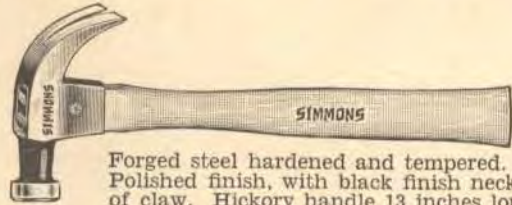
- Rugged heads. Adze eyes. Claws grip nail easily. Smooth-grip handle securely wedged in head and well-balanced.

Good Quality at a Low Price



Drop forged steel, hardened face, tempered claws. Bell face. Black finish, with polished striking face. White ash handle 13 inches long.

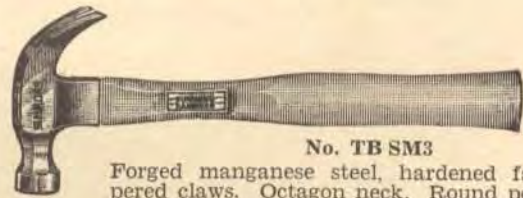
No.	Each	Weight Head, Ozs.	Wt. Per Carton, (6) Lbs.	Std. List, Each
TB SM1	\$0.33	16	8½	\$0.33



Forged steel hardened and tempered. Bell face. Polished finish, with black finish neck and back of claw. Hickory handle 13 inches long.

No.	Each	Weight Head, Ozs.	Wt. Per Carton, (6) Lbs.	Std. List, Each
TB SM2	\$0.69	16	8½	\$0.69

Six in a carton.



No. TB SM3

Forged manganese steel, hardened face, tempered claws. Octagon neck. Round poll. Hickory handle 12 inches long.

Polished; black finish under claw and top of eye. Semi-octagon handle.

No.	Each	Weight Head, Ozs.	Wt. Per Carton, (4) Lbs.	Std. List, Each
TB SM3	\$0.99	16	6½	\$0.99

Highly polished and extra heat-treated. Bronze finish under neck and claw. Oval handle.

No.	Each	Weight Head, Ozs.	Wt. Per Carton, (4) Lbs.	Std. List, Each
TB SM4	\$1.29	16	6½	\$1.29

Four in a carton.



NAIL OR RIPPING

Good Quality at a Low Price

Forged steel. Adze eye. Hardened bell face. Tempered straight claws. Polished face and plain poll, black finish on neck and under claws. Hickory handle 13 inches long.

No.	Each	Weight Head, Ozs.	Wt. Per Carton, (4) Lbs.	Std. List, Each
TB SM5	\$0.69	16	6½	\$0.69

Four in a carton.

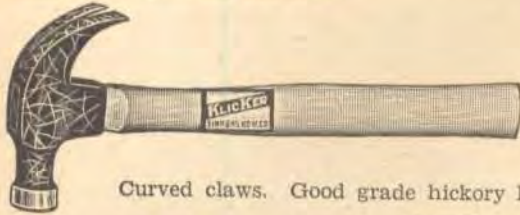
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NAIL HAMMERS

KLICKER

Serviceable Tools at a Low Cost

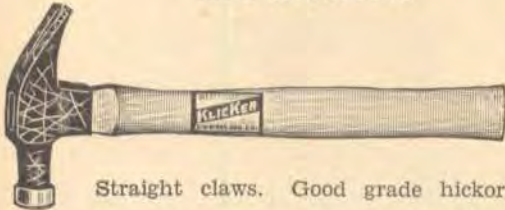
- Forged steel heads with hardened face and claws.
- Adze eyes. Handle firmly wedged into head.
- Comfortable handles—light walnut, stained and smoothly varnished.
- Attractive, protective finishes—crackled black and gold heads with polished bell faces.



Curved claws. Good grade hickory handle.

Nos.	Each	Weight Head, Ozs.	Length Over-all, Ins.	Wt. Per Doz., Lbs.
TB 11½K	\$0.49	16	13	18
TB 12K	.45	13	13	14½

NAIL OR RIPPING



Straight claws. Good grade hickory handle.

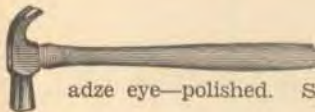
No.	Each	Weight Head, Ozs.	Length Over-all, Ins.	Wt. Per Doz., Lbs.
TB 211½K	\$0.49	16	13	18



Handle firmly wedged into head.

Bargain Hammer
Cast steel—hardened and polished bell face and curved claws. Adze eye. Good quality bell shaped ash handle.

No.	Each	Weight Head, Ozs.	Length Over-all, Ins.	Wt. Per Doz., Lbs.
TB 91½	\$0.25	14½	14	15



Small size, light weight. Cast iron, curved claws, adze eye—polished. Smooth grip hickory handle.

STANDARD LADIES' OR HOUSEHOLD

No.	Each	Length Head, Ins.	Length Over-all, Ins.	Wt. Per Doz., Lbs.
TB 150	\$0.10	3¼	10¾	4

One-half dozen in a carton.

Keep Young and Fit. Ride a
SIMMONS
BANNER OR DELMAR BIKE

MACHINISTS' BALL PEIN HAMMERS



KEEN KUTTER

Forged from highest grade tool steel—hardened face and pein—thoroughly tested. **KEEN KUTTER** grade select white hickory spring neck handle—designed for a firm grip. Head fastened with **SIMMONS** patented wedge—absolutely safe, cannot come off. Superior hang and balance. Polished pein, side and face of poll and side of head. Octagon pattern.

Nos.	Each	Weight Head, Ozs.	Length Over-all, Ins.	Wt. Per Doz., Lbs.
TB KM40	\$0.98	6	12	6¾
TB KM20	.98	12	14	14
TB KM0	1.09	16	14	16
TB KM1	1.15	20	15	21
TB KM2	1.23	24	16	24

One-third dozen in a carton.

TB KM3	1.29	28	17	28
TB KM4	1.35	32	17	30
TB KM6	1.50	40	19	39

One-sixth dozen in a carton.



SIMMONS

Forged tool steel head—hardened face and pein. Extra grade white hickory handle, strong and smooth. Head securely fastened into **SIMMONS** patented wedge—cannot come loose. Properly balanced. Octagon pattern—black finish, polished face and pein.

Nos.	Each	Weight Head, Ozs.	Length Over-all, Ins.	Wt. Per Doz., Lbs.
TB S20	\$0.79	12	14	14
TB S1	.89	20	15	21
TB S2	.95	24	16	24
TB S4	1.10	32	17	30

One-third dozen in a carton.



SIMMONS LEADER

Octagon Pattern

Drop forged steel, hardened and tempered. Polished pein, face, poll and sides of head.

Nos.	Each	Wt. Head, Ozs.	Length Handle, Inches	Wt. Per Carton, (4) Lbs.	Std. List, Each
TB SM7	\$0.75	16	14	5¾	\$0.75
TB SM87	.85	20	15½	7¼	.85
TB SM8	.95	24	15½	7¾	.95
TB SM9	1.05	28	16	8¾	1.05

Four in a carton.

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MACHINISTS' RIVETING HAMMERS

KEEN KUTTER



Forged, highest grade tool steel head—expertly hardened face and pein. **KEEN KUTTER** grade select white hickory

handle, smooth and comfortable to hold. **SIMMONS** patented wedge—absolutely prevents head from coming off. Superior hang and balance. Handsome full polished finish. Plain eye.

Nos.	Each	Weight Head, Ozs.	Length Over- all, Ins.	Wt. Per Doz., Lbs.
TB KPR2	\$1.25	9	13	9½

One-half dozen in a carton.

BLACKSMITHS' HAMMERS

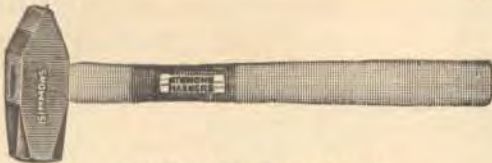


KEEN KUTTER

Forged, highest grade tool steel head—hardened face and pein—thoroughly tested. **KEEN KUTTER** grade select white hickory handle—finest made. Head securely fastened with **SIMMONS** patented wedge—absolutely cannot come loose or fly off. Superior hang and balance. Attractive dull black finish with polished face and pein.

Nos.	Each	Weight Head, Ozs.	Length Over- all, Ins.	Wt. Per Doz., Lbs.
TB KBB1	\$1.45	32	16	29
TB KBB2	1.60	42	16	36

One-sixth dozen in a carton.



SIMMONS LEADER

Drop forged steel, hardened head and pein. Good grade hickory handle, length 15 inches. Even balance. Full polished head and pein.

No.	Each	Weight Head, Ozs.	Wt. Per Carton (4), Lbs.	Std. List, Each
TB SM6	\$1.39	42	11¾	\$1.39

One-third dozen in a carton.

SAW SETTING HAMMERS

KEEN KUTTER



Drop forged from highest grade tool steel for longest life. Specially tempered, hardened and polished for accurate saw setting.

SIMMONS patented wedge—absolutely prevents head from loosening or coming off. Superior hang and balance. Dull black finish body. Plain eye.

No.	Each	Weight Head, Ozs.	Length Over- all, Ins.	Wt. Per Doz., Lbs.
TB KBSS1	\$1.10	7	12	8

One-half dozen in a carton.

FARRIERS' HAMMERS

SIMMONS



Forged tool steel head. Hardened face — tempered and hardened whaleback claws. Extra grade smooth white hickory handle.

Head fastened with **SIMMONS** patented wedge—absolutely cannot loosen or come off. Properly balanced. Handsome full polished finish. Adze eye.

No.	Each	Weight Head, Ozs.	Length Over- all, Ins.	Wt. Per Doz., Lbs.
TB SF10	\$1.25	10	13	13

One-half dozen in a carton.

BRICK HAMMERS



Forged from highest grade tool steel head with scientifically hardened face and tips. **KEEN KUTTER** grade select white hickory handle. **SIMMONS** patented wedge—absolutely prevents head from coming off or loosening. Superior hang and balance. Attractive dull black finish. Adze eye, square face.

No.	Each	Weight Head, Lbs.	Length Head, Inches	Length Overall, Inches	Weight Per Doz., Lbs.
TB KB15	\$1.65	1½	8¾	11	25

One-third dozen in a carton.

DEFIANCE



Good quality forged head—hardened face and tip. Adze eye, square face. Good grade hickory handle. Head black enameled.

No.	Each	Weight Head, Ozs.	Length Over- all, Ins.	Wt. Per Doz., Lbs.
TB 0431½A	\$1.20	23	11	21

One-third dozen in a carton.

UPHOLSTERERS' HAMMERS



Good quality forged steel—tempered claws and face. White hickory handle 12 inches long, securely fixed in head with metal wedge. Head nicely polished.

No.	Each	Diameter Face, Inches	Length Head, Inches	Weight Per Doz., Lbs.
TB 645	\$0.95	½	5¾	8

One-half dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

BILL POSTERS' HAMMERS

KEEN KUTTER



Forged from highest grade tool steel head with hardened faces. Strongly magnetized end. KEEN KUTTER grade select white hickory

handle. Head fastened with SIMMONS patented wedge for absolute safety and longer life. Superior hang and balance. Handsome full polished finish.

Nos.	Each	Weight Head, Oz.	Length Head, In.	Length Over All, In.	Weight Per Doz., Lbs.
TB K55	\$1.10	5	4	11	6
TB K85	1.25	8	4½	11½	9

One-half dozen in a carton.

TACK HAMMERS

SIMMONS

Forged, high grade tool steel head, horseshoe pattern. Magnetic end—holds tacks straight for accurate placing. Comfortable hardwood handle—good balance. Attractive full polished finish. Plain eye.



With claw for pulling tacks.

No.	Each	Length Head, In.	Length Over All, In.	Wt. Per Doz., Lbs.
TB S600	\$0.45	4¾	11	6



With flat face instead of claw.

No.	Each	Length Head, In.	Length Over All, In.	Wt. Per Doz., Lbs.
TB S650	\$0.45	4	11	5½

KLICKER



Magnetic—horseshoe pattern. Tool steel head, plain eye, full polished. Smooth polish hardwood handle.

No.	Each	Length Head, In.	Length Over All, In.	Wt. Per Doz., Lbs.
TB 095K	\$0.23	3¾	11¾	6

One-half dozen in a carton.

WOOD MALLETS

ROUND HICKORY HEAD



Hard durable head of good quality varnished hickory. Plain, straight grained hardwood handle 8½ inches long—tightly mortised in head. Length head 5 inches. Diameter head 3 inches.

TB 103—Weight per dozen 12 lbs.....Each \$0.45

TINNERS' ROUND HEAD



Good value—plain finish hardwood head with hardwood handle 10 inches long, tightly fitted in head.

Length head 5½ inches. Diameter head 2¾ inches.

TB 104—Weight per dozen 14 lbs.....Each \$0.39

Packing—bulk.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

WOOD MALLETS

KEEN' KUTTER

Strong, Perfectly Balanced

- Heads of selected, second growth field hickory—well seasoned and shellacked for durability. Straight grained hardwood handles, 10¼ inches long.
- Handles extend clear through heads—fastened with SIMMONS patent wedges—cannot loosen or fly off.



ROUND HEAD

Length head 6 inches. Diameter head 2½ inches.

TB K216—Weight per dozen 14 lbs.Each \$0.45



BARREL SHAPE HEAD

Length head 6 inches. Diameter head at center 3 inches. Diameter head at ends 2½ inches.

TB K306—Weight per dozen 18 lbs.Each \$0.75

One in a paper wrapper. Packing—bulk.

RAWHIDE HAMMERS AND MALLETS

Can be used with perfect safety on such striking operations as assembling, dismantling, shaping, forcing, loosening and adjusting—will not break, injure or mar finished surfaces, tools or products.

Mechanics will handle these well balanced tools with confidence and safety, rapidly accomplishing work which would be slow, difficult or dangerous with other tools.

The Rawhide used is specially prepared Java water buffalo hide stock carefully processed to preserve resilience and strength.

RAWHIDE HAMMERS

Rawhide Faced

Malleable iron head, with tightly rolled resilient rawhide faces firmly pressed into each end. Faces are replaceable. Hardwood handles.



Nos.	Each	Diam. Head, In.	Length Head, In.	Length Over All, In.	Wt. per Dozen, Lbs.
TB 0RH	\$1.50	1	3¾	9½	6
TB 2RH	2.25	1½	4½	13	19½

RAWHIDE MALLETS



Rawhide head solidly mounted on straight grained hardwood handle—will not easily loosen or fly off.

Nos.	Each	Diam. Head, In.	Length Head, In.	Length Over All, In.	Wt. per Dozen, Lbs.
TB 2RM	\$1.20	1½	3¼	9¾	4½
TB 4RM	1.60	2	3½	11¼	7½

Packing—bulk.

SIMMONS HAMMERS AND SLEDGES

Expertly designed to withstand the hardest use. Made of tough forged steel with hardened and polished striking surfaces. Properly balanced.

STRIKING HAMMERS

Hardened, polished faces. Baked black enamel finish



SHORT STRIKING Oregon Pattern—Straight Face

Nos.	Each	Length, Inches	Weight Each, Lbs.
TB O4	\$1.10	5	4
TB O6	1.25	5 $\frac{5}{8}$	6
TB O8	1.45	6 $\frac{1}{4}$	8
TB O10	1.80	6 $\frac{3}{4}$	10
TB O12	2.10	7 $\frac{1}{4}$	12



LONG STRIKING Nevada Pattern—Straight Face

Nos.	Each	Length, Inches	Weight Each, Lbs.
TB N4	\$1.10	5 $\frac{1}{2}$	4
TB N6	1.25	6 $\frac{1}{2}$	6
TB N8	1.45	7 $\frac{1}{4}$	8

BLACKSMITHS' SLEDGES

Hardened, polished faces. Baked black enamel finish



SINGLE FACE—HARDENED PEIN

Nos.	Each	Length, Inches	Weight Each, Lbs.
TB BS8	\$1.59	7	8
TB BS10	1.89	7 $\frac{1}{2}$	10
TB BS12	2.35	8	12



DOUBLE FACE

Nos.	Each	Length, Inches	Weight Each, Lbs.
TB BD6	\$1.35	6	6
TB BD8	1.49	6 $\frac{1}{2}$	8
TB BD10	1.79	7	10

Packing—bulk.

BLACKSMITHS' HAND HAMMERS

SINGLE FACE—HARDENED CROSS PEIN



Hardened and polished face. Baked black enamel finish.

Nos.	Each	Length, Inches	Weight Each, Lbs.
TB BH2 $\frac{1}{2}$	\$0.75	4 $\frac{3}{4}$	2 $\frac{1}{2}$
TB BH3	.90	5	3
TB BH4	1.10	5 $\frac{1}{2}$	4

STONE MASONS' HAMMERS

SINGLE FACE, WITHOUT TEETH



Hardened and polished face and bit Bronzed body.

Nos.	Each	Length, Inches	Weight Each, Lbs.
TB M3	\$1.20	5 $\frac{1}{2}$	3
TB M4	1.35	6	4
TB M5	1.60	6 $\frac{1}{2}$	5
TB M6	1.85	7	6

STONE SLEDGES

SINGLE FACE



Hardened and polished face. Baked black enamel finish.

Nos.	Each	Length, Inches	Weight Each, Lbs.
TB S8	\$1.45	7 $\frac{1}{4}$	8
TB S10	1.90	7 $\frac{3}{4}$	10
TB S12	2.10	8 $\frac{1}{4}$	12
TB S16	2.85	9 $\frac{1}{4}$	16

SPALLING OR STONE HAMMERS

SINGLE FACE



Hardened and polished face. Baked black enamel finish.

Nos.	Each	Length, Inches	Weight Each, Lbs.
TB J6	\$1.45	6 $\frac{1}{2}$	6
TB J8	1.95	7 $\frac{3}{4}$	8
TB J10	2.50	8 $\frac{1}{4}$	10

Packing—bulk.

You Have a Right to Expect the Best Results
When You Use a
Keen Kooker Cast Iron Range

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

WOOD CHOPPERS' WEDGES

SIMMONS

- Extra hard and sharp, smoothly and evenly tapered—for quick, easy splitting.
- Black finish with bright orange heads—easy to spot for fast work.

Note: Dimensions on wedges are subject to a variation of 15%.



OZARK STAVE MAKERS'

Flared point. Forged from high-quality steel. Hardened bit.

Nos.	Each	Width at Point, Inches	Length Over All, Inches	Weight Each, Lbs.
TB SO3	\$0.59	3 1/8	6 3/4	3
TB SO3 1/2	.65	3 1/4	7 1/4	3 1/2
TB SO4	.69	3 3/8	7 1/2	4
TB SO4 1/2	.79	3 1/2	7 3/4	4 1/2



ARKANSAS WOOD CHOPPERS' OR TIE MAKERS'

Spread point. Forged from high-quality steel. Hardened bit.

Nos.	Each	Width at Point, Inches	Length Over All, Inches	Weight Each, Lbs.
TB SA3 1/2	\$0.59	2 3/4	7	3 1/2
TB SA4	.69	2 7/8	7 1/2	4
TB SA4 1/2	.79	3	7 3/4	4 1/2

Wrapped in paper, one dozen in a case.



REGULAR FLUTED PATTERN

Forged steel, with extra hardened bit.

Nos.	Each	Width at Point, Inches	Length Over All, Inches	Weight Each, Lbs.
TB SS3	\$0.40	1 5/8	8	3
TB SS3 1/2	.45	1 3/4	8	3 1/2
TB SS4	.49	1 7/8	8 1/2	4
TB SS4 1/2	.55	1 7/8	9	4 1/2
TB SS5	.59	1 7/8	10	5
TB SS6	.69	1 7/8	10	6
TB SS7	.79	2	10 1/2	7



CALIFORNIA TRUCKEE PATTERN

Forged steel, with extra hardened bit.

Nos.	Each	Width at Point, Inches	Length Over All, Inches	Weight Each, Lbs.
TB ST3 1/2	\$0.55	1 3/4	8 1/2	3 1/2
TB ST4	.59	1 7/8	9	4
TB ST4 1/2	.65	1 7/8	9 1/2	4 1/2
TB ST5	.69	1 7/8	10	5
TB ST6	.79	2 1/8	10 1/2	6
TB ST7	.89	2 5/8	11	7

Wrapped in paper—two dozen in a case.

WOOD CHOPPERS' MAULS

SIMMONS

Expertly designed, properly weighted and balanced for better work.

Solid forged steel with heat-treated face and bit. Baked black enamel finish.



STANDARD OREGON PATTERN

Oval Eye

Nos.	Each	Length, Inches	Weight Each, Lbs.
TB D6	\$1.50	8 1/2	6
TB D7	1.65	8 7/8	7
TB D8	1.85	9 1/8	8



STANDARD OREGON PATTERN

Axe Eye

Nos.	Each	Length, Inches	Weight Each, Lbs.
TB F6	\$1.50	8 1/2	6
TB F7	1.65	8 7/8	7
TB F8	1.85	9 1/8	8

Packing—bulk.

SIMMONS COAL WEDGES



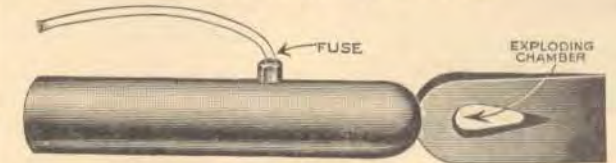
FLAT PATTERN BLASTING

Excellent general utility tool. High quality forged steel—black finished with orange head for easy spotting.

Nos.	Each	Width at Center, Inches	Length Over All, Inches	Weight Each, Lbs.
TB SCW2	\$0.35	1 1/2	8 3/4	2
TB SCW2 1/2	.39	1 1/2	9 1/4	2 1/2

Packing—bulk.

EXPLODING WEDGES



HUTCHINSON'S

- Saves work of many men: Splits logs without splintering—opens large logs same as wedging would do—only without time and labor needed for hand work. Excellent for timber men and farmers.
- Quickly and easily loaded: Economical to use—takes only about 2 ounces of blasting powder—F-FF-FFF.
- Built for continuous work—high-grade high-treated carbon steel—not affected by explosives. Drive with good maul as sledging flattens head.

No.	Each	Dia. Round Sec., Inches	Width Wedge, Inches	Length Over All, Inches	Weight Each, Lbs.
TB 500	\$5.25	1 3/4	2	13	5

Wrapped in paper, with ramming pin and full directions for use.

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MATTOCKS

KEEN KUTTER

Make the job seem easier—quality built for toughest jobs. Forged from high-grade steel, carefully tempered. Adze eye. Painted blue, with polished edges.



No. TB KL

TB KJ—Junior, light short cutter. Weight each 4 lbs. Hoe width 3 to 3 1/4 inches. Cutter width 2 1/4 to 2 1/2 inches. Total length 13 3/4 to 14 inches. Weight per dozen 54 lbs. Each \$1.25

TB KX—Special light pattern, Short cutter. Weight each 3 lbs. Hoe width 2 3/4 inches. Cutter width 2 inches. Total length 13 inches. Weight per dozen 40 lbs. Each \$1.25

TB KM—Medium cutter. Weight each 5 lbs. Hoe width 3 1/4 to 3 1/2 inches. Cutter width 2 1/2 to 2 3/4 inches. Total length 15 1/2 to 15 3/4 inches. Weight per dozen 60 lbs. Each \$1.25

TB KS—Short cutter. Weight each 5 1/2 lbs. Hoe width 4 to 4 1/4 inches. Cutter width 3 1/4 to 3 1/2 inches. Total length 15 1/2 to 16 inches. Weight per dozen 72 lbs. Each \$1.25

TB KL—Long cutter. Weight each 6 lbs. Hoe width 4 to 4 1/4 inches. Cutter width 3 1/4 to 3 1/2 inches. Total length 16 1/2 to 17 inches. Weight per dozen 78 lbs. Each \$1.35



dozen 78 lbs. Each \$1.45

TB KP—Pick. Weight each 6 lbs. Hoe width 4 inches. Hoe length 8 1/2 inches. Pick length 8 1/2 inches. Weight per

KLICKER

Forged steel, tempered. Adze eye. Baked black enamel finish, with polished edges.



dozen 66 lbs. Each \$0.98

TB 5K—Short cutter. Weight each 5 lbs. Hoe width 3 1/2 inches. Cutter width 2 1/2 inches. Total length 15 3/4 inches. Weight per



length 8 inches. Weight per dozen 66 lbs. Each \$1.19

TB PMK—Pick. Weight each 5 lbs. Hoe width 3 1/2 inches. Hoe length 8 inches, pick end

Two dozen in a case.

GRUB HOES

KEEN KUTTER

Extra strong—durable

Highest grade forged steel, carefully tempered. Oval adze eye. Painted blue. Polished cutting edge.



Nos.	TB K1	TB K5
Width Cutter, Ins.	3 3/4	5
Length over all, Ins.	10 3/4	11 1/4
Weight per Doz., Lbs.	42	54
Each	\$1.25	1.75

Two dozen in a case.

HAZEL HOES

KEEN KUTTER

Extra strong—durable

Soft steel body. Oval adze eye. Full weight tempered tool steel bit for sharp tough edge. Axe finish. Painted blue. Blade 6 inches wide. Length 9 inches

TB KHH5—Weight per dozen 35 lbs. Each \$1.50



Two dozen in a case.

RAILROAD PICKS

KEEN KUTTER



Forged carbon tool steel, specially heat-treated, with oil tempered bit and point. Head painted blue. Polished bit and point.

Nos.	Each	Weight Each, Lbs.	Length, Inches	Wt. Per Doz., Lbs.
TB KR5	\$1.15	5	21	70
TB KR6	1.25	6	23	85
TB KR7	1.40	7	25	98

KLICKER

Solid steel, with hardened bit and point. Black baked enamel finish.



Nos.	Each	Weight Each, Lbs.	Length, Inches	Wt. Per Doz., Lbs.
TB 5KR	\$0.85	5	21	70
TB 6KR	.95	6	23	85
TB 7KR	1.10	7	25	98

Two dozen in a case.

COAL PICKS

KEEN KUTTER

WESTERN MINING PATTERN

Heavy forged steel, with hard sharp points. Black finish.



Nos.	Each	Weight Each, Lbs.	Length, Inches	Wt. Per Doz., Lbs.
TB KCP1 1/2	\$0.75	1 1/2	14	18
TB KCP1 3/4	.75	1 3/4	14 1/2	21
TB KCP2	.75	2	15	30
TB KCP2 1/2	.80	2 1/2	15 1/2	38

Packing—bulk.

A KEEN KUTTER

POCKET KNIFE

Affords
EASIER, CLEANER CUTTING,
LONG LASTING EDGE
and
LONG SERVICE

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER AUGER BITS

The Standard of America for More Than a Half Century

- Fast cutting edges that stay sharp longer! Bit forged from highest grade tool steel—specially oil tempered to hold clean cutting edges. Head and cutters sharpened and finished by hand.
- Double extension lips and cutters. Quick, easy start-

ing in either hard or soft wood. Single thread on screw.

- Single twist—easily elevates chips and prevents clogging. Twist and shank highly polished.
- Correctly tapered natural finish square—fits solidly and firmly into brace chuck.

For Faster, Smoother Work—Demand KEEN KUTTER

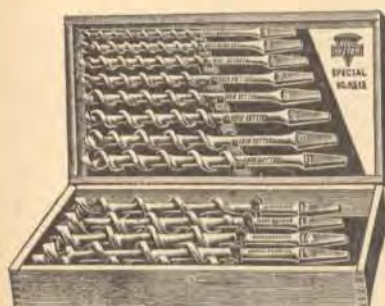


KEEN KUTTER SPECIAL—SOLID CENTER

Length twist about 4½ inches. Length over all about 8½ inches.

Nos.	Each	Size, Inches	Wt. Per Dozen, Lbs.
TB KS3	\$0.37	3/16	3/4
TB KS4	.35	4/16	1
TB KS5	.35	5/16	1 1/4
TB KS6	.37	6/16	1 1/2
TB KS7	.39	7/16	1 3/4
TB KS8	.43	8/16	2
TB KS9	.47	9/16	2 1/4
TB KS10	.49	10/16	2 1/2
TB KS11	.60	11/16	3
TB KS12	.60	12/16	3 1/4
TB KS13	.70	13/16	3 1/2
TB KS14	.70	14/16	3 3/4
TB KS15	.75	15/16	4
TB KS16	.75	16/16	4 1/2
TB KS18	.95	18/16	5 1/2
TB KS20	1.10	20/16	6 1/2

3/16 to 10/16-inch one-third dozen in a carton.
18/16 and 20/16-inch one-sixth dozen in a carton.



KEEN KUTTER SPECIAL—IN SETS

Length twist about 4½-inch, length over all about 8½-inch.

- Convenient—protective varnished hardwood box.

Set of 32½ Quarters—13 Bits

One each: 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16/16 bits.

TB KSB13—Weight per set 6 lbs.....Per Set \$7.50

One set in a varnished hardwood box.

KEEN KUTTER BIT EXTENSIONS



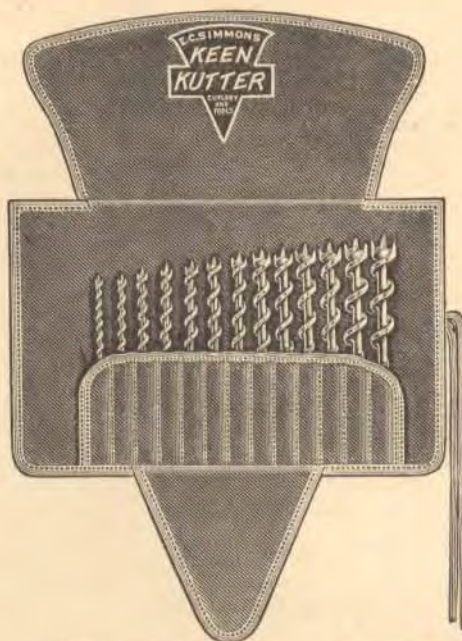
- Extra strong polished steel extension rod 3/8-inch in diameter—tapered square. Knurled heavy chuck 3/8-inch in diameter. Special design hardened and blued forged steel jaws—reinforced by a sliding chuck shell.

Will follow through the wood, a bit 5/8-inch or more in diameter. Length 18 inches.

TB K18018—Weight per dozen 9 lbs.....Each \$2.19

One-half dozen in a cardboard box.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.



KEEN KUTTER SPECIAL—IN SETS

Length twist about 4½-inch, length over all about 8½-inch.

- Handy—protective cloth roll of heavy, durable black duck, with red binding. Dimensions when closed: 11½ inches long, 3½ inches in diameter.

Set of 20½ Quarters—9 Bits

One each: 4, 5, 6, 7, 8, 10, 12, 14 and 16/16 bits.

TB KSR9—Weight per set 3 lbs.....Per Set \$5.25

Set of 32½ Quarters—13 Bits

One each: 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16/16 bits.

TB KSR13—Weight per set 4 lbs.....Per Set \$7.50

One set in a roll—each roll in a carton.



KEEN KUTTER SPECIAL—ELECTRICIANS'

Forged, highest grade tool steel bit—specially oil tempered to hold fast, sharp cutting edge longer, head and cutter sharpened and finished by hand. Excellent for hard or soft wood.

Single extension lip and cutter—solid center. Coarse single thread on screw for fast boring.

Highly polished twist and shank. Natural finish square. Length twist about 5 inches, length over all about 9½ inches.

Nos.	Each	Size, Inches	Wt. Per Dozen, Lbs.
TB KSE10/16	\$0.59	10/16	4
TB KSE11/16	.69	11/16	4

One-half dozen in a wood box.

AUGER BITS

SIMMONS SOLID CENTER

Extra Good Quality at a Low Price



• Drop forged from tool steel—extra strong and durable.

- Sharp double extension lips and cutters. Single twist—single thread on screw.
- Polished twist—lessens possibility of binding; easily cleaned; natural finish square.

For hard or soft wood. Length twist about 4½ inches, length over all about 8 inches.

Nos.	Each	Size, 16ths In.	Wt. Per Doz., Lbs.
TB SS3	\$0.29	3	¾
TB SS4	.27	4	1
TB SS5	.27	5	1¼
TB SS6	.27	6	1½
TB SS7	.30	7	1¾
TB SS8	.35	8	2
TB SS9	.37	9	2¼
TB SS10	.40	10	2½
TB SS11	.49	11	3
TB SS12	.49	12	3¼
TB SS13	.55	13	3½
TB SS14	.55	14	3¾
TB SS15	.65	15	4
TB SS16	.65	16	4½

One-third dozen in a carton.

IRWIN-MAINBOR SOLID CENTER



• Special bit steel—tough and durable.

- Heat-treated heads with double extension lips and cutters. Single twist—single thread on screw.

Hi-lite, smooth (non-binding) finish. Suitable for hard or soft wood. Length twist about 4½ inches, length over all from 7¼ to 9 inches.

Nos.	Each	Size, 16ths In.	Wt. Per Doz., Lbs.	Std. List, Per Doz.
TB 62T3	\$0.39	3	1	\$4.50
TB 62T4	.37	4	1	4.00
TB 62T5	.37	5	1	4.00
TB 62T6	.37	6	1	4.00
TB 62T7	.39	7	2	4.50
TB 62T8	.45	8	2	5.00
TB 62T9	.53	9	2	5.50
TB 62T10	.57	10	3	6.00
TB 62T11	.63	11	3	7.00
TB 62T12	.63	12	4	7.00
TB 62T13	.75	13	4	8.00
TB 62T14	.75	14	4	8.00
TB 62T15	.80	15	5	9.00
TB 62T16	.80	16	5	9.00

One-half dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

IRWIN FERROX SOLID CENTER



Practical for general use—forged from tool steel. Ferrox, anti-rust, natural forged finish, with edge of twist, cutters and screw polished. Double extension lip and cutters. Single twist—single thread on screw. Length twist 4½ inches, length over all about 8 inches.

Nos.	Each	Size, 16ths In.	Wt. Per Doz., Lbs.
TB FX24¼ ₁₆	\$0.15	4	1
TB FX24½ ₁₆	.18	5	1
TB FX24¾ ₁₆	.20	6	1
TB FX24 ⁷ / ₁₆	.22	7	2
TB FX24 ⁸ / ₁₆	.22	8	2
TB FX24 ⁹ / ₁₆	.24	10	3
TB FX24 ¹² / ₁₆	.26	12	3

One dozen in a carton.

IRWIN SPECIAL DEALER'S DISPLAY ASSORTMENT



Gives customers visual proof of difference between FX22 Ferrox finish bits and D24 polished bits.

Bits can be displayed where they can be easily seen by every customer in the store.

Assortment offers seven popular sizes in both finishes—24 bits in all!

Prices range from 14c to 25c—meet all competition.

Free counter display helps sell more better quality bits.

One Dozen Ferrox Finish			One Dozen Polished		
Quantity	Size	Each	Quantity	Size	Each
2	¼"	\$0.15	2	¼"	\$0.19
2	⅜"	.18	2	⅜"	.22
3	½"	.20	3	½"	.25
1	⅞"	.22	1	⅞"	.27
2	1½"	.24	2	1½"	.27
1	¾"	.24	1	5/8"	.34
1	¾"	.26	1	¾"	.40

TB HA3—Weight per assortment

IRWIN AUGER BIT SETS



Good Quality at Low Price—Very Popular.

Forged from tool steel—heat-treated entire length for added strength. Rust-resisting tumbled black lacquered finish, with polished edges. Shanks painted red.

Set consists of one each: ¼, ⅜, ½, ⅝ and ¾-inch bits.

TB GA2—Weight per set 1 lb.....Per Set \$1.19

One set in a cardboard display box.

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DOUBLE-SPUR MACHINE BITS

GREENLEE



FOR WOOD—A PRACTICAL, FAST-CUTTING, ECONOMICAL TOOL

This pattern is very widely used and is recommended for all general requirements. They bore rapidly and sufficiently smooth for any purpose except some of the exacting requirements of some kinds of cabinet work.

- Crucible steel, tempered and polished—has a high degree of heat resistance for steady, rapid work.
- Lips and cutting edges carefully proportioned for easy, rapid, smooth boring. Single thread screw.
- Maximum stock for wear and sharpening—Gives extra long service. Straight shank $\frac{1}{2} \times 2\frac{1}{4}$ inches.

PRICES SHOWN BELOW ARE MANUFACTURERS LISTS—PRICES QUOTED ON REQUEST.

Diameter, Inches	TB 1504 4 in. Twist Per Dozen	TB 1505 5 in. Twist Per Dozen	TB 1506 6 in. Twist Per Dozen	TB 1508 8 in. Twist Per Dozen	TB 15010 10 in. Twist Per Dozen	TB 15012 12 in. Twist Per Dozen	TB 15014 14 in. Twist Per Dozen	TB 15016 16 in. Twist Per Dozen
#4/16	\$10.80	\$10.80	\$10.80	\$12.96	\$15.12	\$17.28	.....	.....
#5/16	10.80	10.80	10.80	12.96	15.12	17.28	.....	.....
#6/16	10.80	10.80	10.80	12.96	15.12	17.28	\$19.44	\$21.60
#7/16	10.80	10.80	10.80	12.96	15.12	17.28	19.44	21.60
#8/16	10.80	10.80	10.80	12.96	15.12	17.28	19.44	21.60
#9/16	12.00	12.00	12.00	14.40	16.80	19.20	21.60	24.00
#10/16	13.20	13.20	13.20	15.84	18.48	21.12	23.76	26.40
#11/16	14.40	14.40	14.40	17.28	20.16	23.04	25.92	28.80
#12/16	15.60	15.60	15.60	18.72	21.84	24.96	28.08	31.20
#13/16	16.80	16.80	16.80	20.16	23.52	26.88	30.24	33.60
#14/16	18.00	18.00	18.00	21.60	25.20	28.80	32.40	36.00
#15/16	19.20	19.20	19.20	23.04	26.88	30.72	34.56	38.40
#16/16	20.40	20.40	20.40	24.48	28.56	32.64	36.72	40.80
#17/16	21.60	21.60	21.60	25.92	30.24	34.56	38.88	43.20
#18/16	22.80	22.80	22.80	27.36	31.92	36.48	41.04	45.60
#19/16	24.00	24.00	24.00	28.80	33.60	38.40	43.20	48.00
#20/16	25.20	25.20	25.20	30.24	35.28	40.32	45.36	50.40
#21/16	26.40	26.40	26.40	31.68	36.96	42.24	47.52	52.80
#22/16	27.60	27.60	27.60	33.12	38.64	44.16	49.68	55.20
#23/16	28.80	28.80	28.80	34.56	40.32	46.08	51.84	57.60
#24/16	30.00	30.00	30.00	36.00	42.00	48.00	54.00	60.00
#25/16	31.50	31.50	31.50	37.80	44.10	50.40	56.70	63.00
#26/16	33.00	33.00	33.00	39.60	46.20	52.80	59.40	66.00
#27/16	34.50	34.50	34.50	41.40	48.30	55.20	62.10	69.00
#28/16	36.00	36.00	36.00	43.20	50.40	57.60	64.80	72.00
#29/16	37.50	37.50	37.50	45.00	52.50	60.00	67.50	75.00
#30/16	39.00	39.00	39.00	46.80	54.60	62.40	70.20	78.00
#31/16	40.50	40.50	40.50	48.60	56.70	64.80	72.90	81.00
#32/16	42.00	42.00	42.00	50.40	58.80	67.20	75.60	84.00
#33/16	43.80	43.80	43.80	52.56	61.32	70.08	78.84	87.60
#34/16	45.60	45.60	45.60	54.72	63.84	72.96	82.08	91.20
#35/16	47.40	47.40	47.40	56.88	66.36	75.84	85.32	94.80
#36/16	49.20	49.20	49.20	59.04	68.88	78.72	88.56	98.40
#37/16	51.00	51.00	51.00	61.20	71.40	81.60	91.80	102.00
#38/16	52.80	52.80	52.80	63.36	73.92	84.48	95.04	105.60
#39/16	54.60	54.60	54.60	65.52	76.44	87.36	98.28	109.20
#40/16	56.40	56.40	56.40	67.68	78.96	90.24	101.52	112.80
#42/16	60.60	60.60	60.60	72.72	84.84	96.96	109.08	121.20
#44/16	64.80	64.80	64.80	77.76	90.72	103.68	116.64	129.60
#46/16	69.00	69.00	69.00	82.80	96.60	110.40	124.20	138.00
#48/16	73.20	73.20	73.20	87.84	102.48	117.12	131.76	146.40

Packing—bulk.

When ordering—specify number and diameter.

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

EXPANSIVE BITS



KEEN KUTTER—CROSS FEED TYPE

For Fast, Smooth, Easy Cutting

- Razor-keen head and cutters that bite deep into the wood and stay sharp longer. Bit forged from highest grade tool steel, strong and durable—specially oil-tempered to hold edges.

Head and Cutters Sharpened and Finished by Hand.

- Single thread on screw for quick, easy starting.
- Highly polished.

Complete with two cutters, heavy steel wire double end screwdriver and protective waterproof black leatherette case with glove fasteners. Pocket inside case for extra cutter and screwdriver.

Small size—With cutters Nos. TB KC1 and TB KC2. Cuts holes from 5/8-inch to 1 1/4-inch in diameter. Length over all 7 1/2 inches.

TB KCS—Weight per dozen 5 lbs.....Each \$2.19

Large size—With cutters Nos. TB KC3 and TB KC4. Cuts holes from 3/8-inch to 3 inches in diameter Length over all 9 inches.

TB KCL—Weight per dozen 9 lbs.....Each \$2.49

One in a carton.

EXTRA CUTTERS

FOR KEEN KUTTER EXPANSIVE BITS

Nos.	Each	For Nos.	Cuts Holes Diameter, Inches
TB KC1	\$0.35	TB KCS	5/8 to 1 1/8
TB KC2	.40	TB KCS	1 1/8 to 1 3/4
TB KC3	.55	TB KCL	7/8 to 1 3/4
TB KC4	.65	TB KCL	1 3/4 to 3
TB KC5	.95	TB KCL	3 to 4
TB KS1	.35	TB KSS	5/8 to 1 1/8
TB KS2	.40	TB KSS	1 1/8 to 1 3/4
TB KS3	.55	TB KSL	7/8 to 1 3/4
TB KS4	.65	TB KSL	1 3/4 to 3
TB KS5	.95	TB KSL	3 to 4

One-half dozen in a carton.
Weight per dozen 1/2 lb.



SIMMONS LEADER

Good Quality at a Low Price

- Fits regular bit braces. Screw secures cutter in position at any size you want. Open throat affords free clearance of chips.
- Forged steel, nicely polished. Single thread on screw. Complete with two cutters.

Small size—With cutters Nos. 1 and 2. Cuts holes from 1/2-inch to 1 1/2 inches in diameter. Length 7 1/2 inches.

TB SB2—Weight each 1/4 lb.

Std. List, Each \$0.99 Each \$0.99

Large size—With cutters Nos. 3 and 4. Cuts holes from 3/8-inch to 3 inches in diameter. Length 9 1/2 inches.

TB SB1—Weight each 3/4 lb.

Std. List, Each \$1.29 Each \$1.29

One in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

EXPANSIVE BITS



CLARK

A Good, Fast-Cutting Tool at a Low Price

Fine tool steel—strong and durable. Complete with sharp edged, fast-biting cutters.

Highly polished—smooth, easily cleaned finish. Single thread on screw.

Small size—Complete with cutters Nos. TB 1 and TB 2. Will cut holes from 1/2-inch to 1 1/2-inch. Length over all 8 1/4 inches.

TB CS—Weight per dozen 3 lbs.....Each \$1.10

Large size—Complete with cutters Nos. TB 3 and TB 4. Will cut holes from 3/8-inch to 3 inches. Length over all 9 inches.

TB CL—Weight per dozen 9 lbs.....Each \$1.49

EXTRA CUTTERS

FOR CLARK'S EXPANSIVE BITS

Nos.	Each	For Bit Nos.	Cuts Holes Diameter, Inches
TB 1	\$0.25	TB CS	1/2 to 7/8
TB 2	.30	TB CS	7/8 to 1 1/2
TB 3	.40	TB CL	7/8 to 1 3/4
TB 4	.50	TB CL	1 3/4 to 3

One-half dozen in a carton.

Weight per dozen 1/2 lb.



IRWINS'—CLARK PATTERN

A Practical, Low-Priced Tool

Good quality tool steel—hot forged, polished finish. Complete with two sharp, smooth working cutters. Single thread on screw.

Small size—will cut holes from 5/8-inch to 1 1/2-inch.

TB 5E—Weight per dozen 4 1/2 lbs.....Each \$0.85

Large size—Will cut holes from 3/8-inch to 3 inches.

TB 6E—Weight per dozen 8 1/2 lbs.....Each \$0.98

One in a carton.

EXPANSIVE HOLLOW AUGERS

BONNEY'S PATTERN—

Without Auger Bits

Quick, Clean-Cutting Tool

- Adjustable depth gauge—adjustable blade—cuts from 3/8 to 1 inch—any length up to 3 1/4 inches.

Length over all 6 1/4 inches.

Japanned cast-iron frame—cast-iron sizing plate. Tempered tool steel blade. Bit stock shank to fit brace.



TB 10—Weight per dozen 19 lbs.....Each \$1.95

One-sixth dozen in a carton.

COUNTERSINK BITS

KEEN KUTTER



DOUBLE LIP—FOR WOOD

- Drop forged from best tool steel, tempered and polished.
- Easily resharpened from inside with a file. Length over all 4 1/2 inches.

Cuts Countersinks Up to 7/8 Inch Diameter

TB K125—Weight per dozen 1 1/4 lbs. Each \$0.40

One-half dozen in a carton.



ROSE HEAD—FOR METAL

- Forged from highest grade tool steel, oil tempered.
- Natural finish bit, gunmetal finish shank—easily kept in good condition.
Diameter shank 5/16 inch, length over all 4 1/2 inches.

Cuts Countersinks Up to 3/4 Inch Diameter

TB K113—Weight per dozen 1 1/2 lbs. Each \$0.45



ROSE HEAD—FOR WOOD OR METAL

- High grade steel, correctly tempered and sharpened. Polished bit and shank—natural finish square.
- Diameter shank 5/16 inch, length over all 3 3/8 inches—seven cutting edges.

Cuts Countersinks Up to 5/8 Inch Diameter

TB 10 5/8—Weight per dozen 1 1/2 lbs. Each \$0.10



SNAIL HEAD—FOR WOOD

- Forged from good grade tool steel, hard tempered. Polished bit and shank—natural finish square.
- Diameter shank 1/4 inch, length over all 3 3/4 inches.

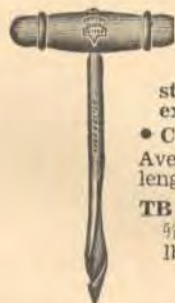
Cuts Countersinks Up to 1/2 Inch Diameter

TB 14—Weight per dozen 1 lb. Each \$0.15

One dozen in a carton

GIMLETS

KEEN KUTTER—Finest Quality



- Diamond shaped point.
 - Blade forged from highest grade tool steel, oil tempered and polished. Blade extends through handle and riveted at top.
 - Comfortable, polished rosewood handle.
- Average length handle 2 1/4 inches. Average length blade 3 1/2 inches.

TB K300—Assorted sizes: 3/16, 1/8 and 5/16 inch. Weight per gross 8 lbs. Each \$0.15

One dozen in a carton.



- Sharp point—bores quickly.
- Forged steel blade, tempered and polished. Blade extends through handle and riveted at top.

• Cast-iron handle.
Average length handle about 2 inches.
Average length blade about 3 1/4 inches.

TB 10—Assorted sizes: Nos. 1, 2 and 3. Weight per gross 8 lbs. Each \$0.10

One-half gross in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER GIMLET BITS

SINGLE CUT



- Forged from highest grade tool steel, oil tempered. Polished, straw color finish blade—easily cleaned. Natural finish square. Average length 5 inches.

Nos.	TB KG3	TB KG4	TB KG5	TB KG6	TB KG8
Inch	5/16	1/8	5/16	9/16	5/16
Each	\$0.15	.15	.15	.15	.15

TB KG48—One dozen assorted—from 3/16 to 5/16 inch. Weight per dozen 1 lb. Each \$0.15

One dozen in a carton.

SCREW DRIVER BITS

KEEN KUTTER

Extra Fine Quality

- Up-to-date, molybdenum alloy tool steel, specially tempered.
- Exceptionally tough—will not break off or flatten out at corners.
- Highly polished blade—red enameled square.



Assortment—One dozen bits: 1/2 dozen 1 1/4-inch, 1/2 dozen 1 1/8-inch, 1/2 dozen 1-inch, and 1/2 dozen 3/4-inch.

TB KA1—Assortment includes an attractive walnut stained wood display stand 6 1/8 x 2 1/2 x 2 1/4 inches. Weight per assortment 1 3/4 lbs.

STRAIGHT SIZES

Nos.	Each	Width Blade, In.	Length, In.	Wt. Per Doz., Lbs.
TB KA1 1/4	\$0.20	1/4	4 3/4	1 1/4
TB KA1 5/16	.20	5/16	4 7/8	1 3/8
TB KA1 3/8	.20	3/8	5 1/8	1 1/2
TB KA1 1/2	.20	1/2	6 1/4	2 1/4

One-half dozen in a carton.

SIMMONS LEADER

Good quality at a low price.



Forged steel, tempered—withstands hard usage. Polished blade and shank.

Nos.	Each	Size Bit, Inch	Length, Inches (6)	Weight Per Carton (6), Lbs.	Std. List, Each
TB SB5	\$0.17	5/16	4 13/16	5 3/8	\$0.17
TB SB6	.19	3/8	5	3/4	.19

Six in a carton.

KLICHER

Serviceable, Economical



- Forged from tool steel tempered—sturdy and long lasting.

• Polished blade and shank. Natural finish square. Width blade 5/16 inch, length about 4 1/2 inches.

TB 2K—Weight per dozen 1 lb. Each \$0.15

One dozen in a carton.

KEEN KUTTER BIT BRACES

FOR SMOOTH, EASY OPERATION

Outstanding Reasons Why KEEN KUTTER Bit Braces Save You Time, Trouble and Money.

Smooth, easy-turning ball-bearing heads that give you a firm, comfortable grip. High-grade heavy steel bow—is strong and rigid—will not bend under great pressure. Easy working chucks hold bits steady and true for accurate cutting.



BOX RATCHET

- Ball - bearing chuck with universal jaws—holds ordinary size taper shank bits and medium size drills.
- Metal clad ball-bearing head. Head and handle of tropical hardwood.

• Full nickel-plated, with chuck and quill beak finished. Sweep 10 inches, $\frac{1}{2}$ inch shank, length over all 14 inches.

TB K710—Weight per dozen 39 lbs.....Each \$4.25

One-sixth dozen in a carton.



OPEN RATCHET

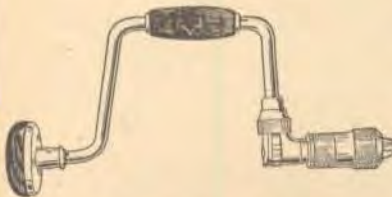
- Jaw - retaining chuck with 2-inch malleable iron spring alligator jaws—cyanide hardened. Will hold ordinary size taper shank bits and medium size drills.

• Ball-bearing head. Glossy black finish hardwood head and handle.

• Full nickel-plated finish.

Nos.	Each	Sweep, Inches	Length		Wt. Per Doz., Lbs.
			Diam. Shank, Inch	Over All, Inches	
TB K510	\$3.25	10	$\frac{7}{16}$	13 $\frac{1}{2}$	33
TB K512	3.59	12	$\frac{1}{2}$	14 $\frac{3}{4}$	35

One-half dozen in a carton.



OPEN RATCHET

- Large jaw - retaining chuck with 2-inch hardened spring alligator jaws—holds ordinary size taper shank bits and medium size drills.

• Metal clad ball-bearing head. Head and handle of selected hardwood—walnut finish.

• Polished, full nickel-plated and buffed.

Nos.	Each	Sweep, Inches	Length		Wt. Per Doz., Lbs.
			Diam. Shank, Inch	Over All, Inches	
TB K408	\$2.10	8	$\frac{5}{8}$	13 $\frac{3}{4}$	32
TB K410	2.19	10	$\frac{3}{8}$	13 $\frac{3}{4}$	33

One-sixth dozen in a carton.

KEEN KUTTER CORNER BRACES



Nickel-plated Bevel Gear Corner Plain Bearing

- Highest grade bent steel shank. Attractive nickel-plated finish—resists rust.
- Concealed, wrought steel, beveled anti-friction gears—compact and sturdy.
- Steel chuck and forged case-hardened universal jaws—hold bits firm.
- Select cocobolo head and handle. Head mounted on nickel-plated steel cap for added strength.

Sweep 10 inches, diameter of shank $\frac{1}{16}$ inch, width 11 $\frac{1}{2}$ inches, length over all 18 $\frac{3}{4}$ inches.

TB K500—Weight per dozen 52 lbs.....Each \$9.45

One-sixth dozen in a cardboard box.

EXTRA JAWS FOR BIT BRACES

Forged steel—case hardened for longer wear. Toothed jaws.



For KEEN KUTTER braces Nos. KB B10, KB B12 and KB B14.

TB K10—Separate jaws.....Per Pair \$0.75



For KEEN KUTTER braces Nos. K8, K10, K12 and K14.

TB KJ—With springsEach \$0.75

Weight per pair 1 $\frac{1}{2}$ ounces.



Forged steel—toothed jaws with spring, 2 $\frac{1}{2}$ inches long.

For KEEN KUTTER braces Nos. K16, K18, K110; also SIMMONS plain or ratchet braces.

TB S10—Weight per pair 1 $\frac{1}{2}$ ounces.....Per Pair \$0.75



Malleable iron—2 $\frac{1}{2}$ inches long. Toothed jaws joined by pin.

For SIMMONS sure grip braces.

TB SN—Weight per pair 1 $\frac{1}{2}$ ounces.....Per Pair \$0.35



Forged steel—2 $\frac{1}{2}$ inches long. Toothed jaws with spring.

For Samson ratchet braces Nos. 8010, 8012, 8014.

TB P—Weight per pair 2 ounces.....Per Pair \$0.65

Packing—bulk.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SIMMONS LEADER BIT BRACES

A GOOD QUALITY TOOL AT A LOW PRICE

- You can bore fast and accurately with these smooth-working durable tools. Jaws hold bit tight. Strong shanks.

BOX RATCHET

- Ball bearing knurled chuck with patent alligator pattern self-centering forged steel jaws, machined and hardened, will hold ½-inch round or ⅜-inch square shank bits.
- Full steel clad ball bearing head. Cocobolo head and handle.
- Nickel-plated finish. Diameter steel shank ½ inch.



No.	Each	Sweep, Inches	Total Length, Inches	Wt. Per Carton (2), Lbs.	Std. List, Per Doz.
TB SA3	\$4.39	10	14 ¼	6 ⅜	\$4.39

BOX RATCHET

- Extra heavy chuck, knurled with alligator pattern, self-centering forged steel jaws.
- Steel clad, ball bearing head. Cocobolo head and handle.
- Highly nickel plated. Diameter steel shank ½ inch.



Nos.	Each	Sweep, Inches	Length Over All, Inches	Wt. Per Carton (2), Lbs.	Std. List, Each
TB SA7	\$3.19	10	14	6 ⅜	\$3.19
TB SA8	3.39	12	15	6 ½	3.39

Two in a carton.

OPEN RATCHET

- Knurled chuck with alligator pattern self-centering forged steel jaws.
- Steel clad ball bearing head. Mahogany finish hardwood head and handle.
- Highly nickel plated. Diameter steel shank ⅞ inch.



No.	Each	Sweep, Inches	Length Over All, Inches	Wt. Per Carton (2), Lbs.	Std. List, Each
TB SA6	\$1.99	10	14	5 ½	\$1.99

Two in a carton.

OPEN RATCHET

- Knurled chuck with alligator pattern self-centering jaws.
- Mahogany finish hardwood head and handle.
- Diameter steel shank ⅞ inch.



No.	Each	Sweep, Inches	Length Over All, Inches	Wt. Per Carton (4), Lbs.	Std. List, Each
TB SA1	\$0.99	10	13	9 ½	\$0.99

Four in a carton.

No.	Each	Sweep, Inches	Length Over All, Inches	Wt. Per Carton (4), Lbs.	Std. List, Each
TB SA5	1.39	10	13	4 ½	1.39

Two in a carton.

Heat Your Home With a **SIMMONS** Circulating Oil Heater—Clean, Easy to Tend, Economical to Operate.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

BREAST DRILLS

Comfortable—Sturdy—Serviceable

- Two speeds: For fast or slow work—through hard or soft wood.
- Comfortably shaped breast plates, adjustable to any position for easier work.
- Three jaw chucks—will take any round shank drills from 0 to 1/2-inch, inclusive.



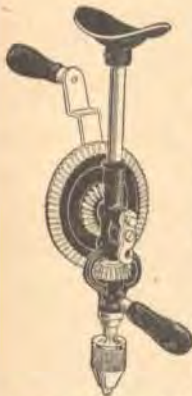
YANKEE

Reinforced Strength for Smooth, Easy Operation and Long Life

- Gear speed quickly and easily changed by small shifter on main frame.
- Smooth, accurate running gears—teeth evenly cut from solid steel.
- Breast plate adjustable to most comfortable position.
- Strong and durable heavy malleable iron frame. Turned and fitted steel spindle with adjustable ball bearings.

Smooth hardwood side and grip handles. All metal parts dead black finish, bright parts polished. Length over all 16 1/2 inches.

TB 1455—Weight each
5 1/2 lbs. Each \$8.45



STANLEY

Finely Constructed—Operates Smoothly and Easily

- Variable length handle arm—can be set for any sweep from 8 to 12 inches—gives greater freedom of movement where needed—less tiring.
- Chuck has hardened steel jaws—holds bits firmly.
- Comfortable, adjustable breast plate.
- Sturdily built: malleable iron frame—steel shank—gray iron gear and steel pinions, with machine-cut teeth. Ball thrust bearings.

Smooth, black hardwood handles. Frame and breast plate japanned, gears lacquered green, bright steel parts. Length over all 16 inches.

TB 742—Weight per dozen 69 lbs. Each \$3.89



DEFIANCE

Practical and Economical

- Sturdy construction — all-steel frame, steel shank, machine-cut gear and pinion. Adjustable breast plate.

Smooth, black enameled wood handles. Japanned breast plate, orange gear, bright steel parts. Length over all 16 inches.

TB 1247 1/2—Weight per dozen
78 lbs. Each \$2.49

One in a carton.

CHAIN DRILLING ATTACHMENTS

Extra Power for Work With a Breast Drill or Bit Brace



Excellent for use wherever extra power is needed or where pressure cannot be easily applied.

Drill is automatically fed into the work by an adjustable friction feed—automatically regulated by the resistance that drill encounters.

Black japanned cast yoke. Special 48-inch strong steel chain. Steel spindle and feed screw. Master chuck 2 1/2 inches long and 1 1/2 inches in diameter, has two hardened steel jaws that will hold bit shank drills from 1/8-inch to 1/2-inch and No. 1 Morse taper shanks.

Length over all 11 1/2 inches.

TB 718—Weight per dozen 56 lbs. Each \$4.75

One in a carton.

HAND DRILLS

SIMMONS

Speedy—Durable Serviceable



Single speed. Dual pinions, bright finished and machine-cut for smooth operation. Machine-cut black enameled gears. Rust-

resisting, nickel-plated, strong steel frame and chuck. Three hardened jaws for round shank drills 0 to 1/4-inch. Varnished hollow hardwood handle, holds drill points—varnished hardwood side and crank handles. Length 12 1/2 inches.

Complete with 8 blued steel drill points 1/16-inch to 1/4-inch. Gear ratio 3 1/2 to 1.

TB S198—Weight per dozen 22 lbs. Each \$1.98



SIMMONS LEADER

Smooth-Working, Withstands Hard Usage

Single speed. Steel frame. Cast gray iron gear, machine cut. Strong steel pinions. Knurled steel chuck with three hardened tool steel jaws for round shank drills 0 to 1/4-inch. Hollow hardwood handle for holding drills.

Polished frame. Hardwood side and crank handles. Length 12 inches.

TB SX2—Weight each 1 1/4 lbs.

Std. List, Each \$1.29 Each \$1.29



DEFIANCE

Light in Weight But Sturdy

Single speed.

Sturdy all-steel frame. Gray iron gear and single steel pinion with machine-cut teeth—runs smoothly. Three-jaw steel chuck for round shank drills 0 to 1/4-inch. Solid hardwood top and crank handles.

Gear and handles red enameled—bright steel parts. Length over all 11 1/2 inches.

TB 1218—Weight per dozen 15 lbs. Each \$0.98

One in a carton.

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AUTOMATIC HAND DRILLS

For quick easy drilling of nail or screw holes. Can be used where gimlet, brace-awl or brace cannot be used. Suitable for hard or soft wood.

Drills quickly and easily. Drill point is revolved by downward push on handle. Spring forces handle up again, ready for next downward push. With upward movement of handle the drill point revolves backward to clear chips and prevent clogging.



YANKEE—Adjustable Tension Spring

Has spring with adjustable tension to regulate strength suitable for difference between hard and soft wood, or between large and small drill points. Cap on end of drill has screw by which spring is made weaker or stronger.

Complete with 8 drill points $\frac{1}{16}$ -inch to $\frac{1}{4}$ -inch. Length over all (with drill point) $11\frac{1}{4}$ inches.

TB 44—Weight per dozen $8\frac{1}{4}$ lbs. Each \$3.39



YANKEE—Non-Adjustable Tension Spring

Sturdy all metal construction. Full nickel-plated and polished. Has magazine in handle for drill points.

Complete with 8 drill points $\frac{1}{16}$ -inch to $\frac{1}{4}$ -inch. Length over all (with drill point) $11\frac{3}{8}$ inches.

TB 41—Weight per dozen 7 lbs. Each \$2.69

One in a carton.

EXTRA SPRINGS FOR AUTOMATIC HAND DRILL No. TB 41

TB 41S—Weight per dozen 2 ounces. Each \$1.29

Packing—bulk.



MR. PUNCH

Strong, Serviceable Tool

Sturdy, smooth-acting mechanism for long, satisfactory service

All-metal construction. Hollow brass tubes and finely knurled (non-slip) handle. Chuck has two hardened steel jaws.

• Complete with 8 drill points ($\frac{1}{16}$ -inch to $\frac{1}{4}$ -inch)—fitted in magazine-type handle with revolving cap. Only one compartment opens at a time. Side of head indexed showing drill point sizes.

Finely polished, nickel-plated and highly buffed to resist rust. Length 10 inches.

TR 185—Weight per dozen 6 lbs. Each \$1.69



Practical—Economical

Nickel-plated brass cylinder and spiral shank—brass chuck with two steel, separate jaws. Black bakelite, fluted with two steel, separate jaws. Black bakelite, fluted hollow handle. Length over all $9\frac{1}{2}$ inches.

• Complete with 8 drill points ($\frac{1}{16}$ -inch to $\frac{1}{4}$ -inch)—fitted in magazine-type handle with revolving cap. Only one compartment opens at a time. Side of head indexed showing drill point sizes.

Nos. TB KP and TB KPS drill points will fit these drills.

TR 188—Weight per dozen 7 lbs. Each \$1.49

One in a carton.

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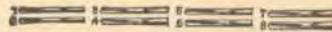
EXTRA DRILL POINTS

FOR HAND DRILLS

Fluted, straw color steel—2 inches long.

KEEN KUTTER

Suitable for automatic drills Nos. K8, SO3, 185 and 188.



In Sets of One Each as Below

TB KP—Weight per set 2 ounces. Per Set (8) \$0.75

One set in an envelope.

TB KPS—Straight Sizes

Diameter, In.	$\frac{1}{16}$	$\frac{5}{64}$	$\frac{3}{32}$	$\frac{7}{64}$
Each	\$0.10	.10	.10	.10

Diameter, In.	$\frac{1}{8}$	$\frac{9}{64}$	$\frac{5}{32}$	$\frac{11}{64}$
Each	\$0.10	.10	.10	.10

One dozen in an envelope. Weight per dozen 2 ounces.

For Automatic Drills: Miller's Falls No. 81 and Yankee Nos. 40, 41, 42, 43 and 44.

In Sets of One Each as Below

TY 4P—Weight per set 2 ounces. Per Set (8) \$0.69

One set in a round wood box.

TB 4SS—Straight Sizes

Diameter, In.	$\frac{1}{16}$	$\frac{5}{64}$	$\frac{3}{32}$	$\frac{7}{64}$
Each	\$0.10	.10	.10	.10

Diameter, In.	$\frac{1}{8}$	$\frac{9}{64}$	$\frac{5}{32}$	$\frac{11}{64}$
Each	\$0.10	.10	.10	.10

One dozen in a round wood box. Weight per dozen 2 ounces.



GENUINE YANKEE

For Yankee automatic hand drills Nos: 40, 41, 42, 43 and 44.

In Sets of One Each as Below

TB 4Y—Weight per set 2 ounces. Per set (8) \$0.75

One set in a round wood box.

HALF ACTUAL SIZE

TB 4YSS—Straight Sizes

Diameter, In.	$\frac{1}{16}$	$\frac{5}{64}$	$\frac{3}{32}$	$\frac{7}{64}$
Each	\$0.10	.10	.10	.10

Diameter, In.	$\frac{1}{8}$	$\frac{9}{64}$	$\frac{5}{32}$	$\frac{11}{64}$
Each	\$0.10	.10	.10	.10

One dozen in a round wood box. Weight per dozen 2 ounces.

For hand drills Nos. K 8, SP 3 and 185.

Good quality steel bits.

TB GP—Straight Sizes

Diameter, In.	$\frac{1}{16}$	$\frac{5}{64}$	$\frac{3}{32}$	$\frac{7}{64}$
Each	\$0.10	.10	.10	.10

Diameter, In.	$\frac{1}{8}$	$\frac{9}{64}$	$\frac{5}{32}$	$\frac{11}{64}$
Each	\$0.10	.10	.10	.10

One dozen in an envelope. Weight per dozen 2 ounces.

Note: When ordering straight sizes—specify number and diameter.

SCREW DRIVERS

KEEN KUTTER—AMERICA'S FINEST

Blades that will always take a firm hold on the screw—hard, sharp, straight edged blades that will not wear round at corners nor flatten out on edges.
Handles that remain firm and solid—fixed onto blades for lifelong service—no twisting nor slipping.

LUG AND NOTCH CONSTRUCTION— STRONGEST KNOWN

- Special alloy steel blade, full tempered and polished.
- Comfortable, selected hardwood handle, mahogany finish. Strong steel bolster—brass ferrule.



REGULAR

Illustration shows permanent lug and notch construction.

Nos.	Each	Length Blade, Inches	Width Bit, Inch	Wt. Per Doz., Lbs.
TB K40/2½	\$0.37	2½	⅞	1½
TB K40/3	.39	3	⅞	1¾
TB K40/4	.47	4	¾	3
TB K40/5	.50	5	⅞	3¾
TB K40/6	.55	6	⅞	4¼
TB K40/8	.69	8	¾	6½
TB K40/10	.95	10	⅞	8



ELECTRICIANS' CABINET

Slender blade and fine point designed especially for cabinet makers' and electricians' use.

Nos.	Each	Length Blade, Inches	Width Bit, Inch	Wt. Per Doz., Lbs.
TB K80/2½	\$0.40	2½	⅞	1½
TB K80/3½	.45	3½	⅞	2¼
TB K80/4½	.47	4½	⅞	2½
TB K80/5½	.55	5½	⅞	2¾
TB K80/6½	.59	6½	⅞	3
TB K80/8½	.69	8½	⅞	4

FULL LENGTH BLADE CONSTRUCTION



REGULAR

Blade extends clear through handle—with large head at top and heavy rivet through ferrule.

Blade forged from highest grade tool steel, oil tempered—full polished for easier cleaning.

Comfortable, selected hardwood handle, rosewood finish—average length 3¼ inches. Heavy steel ferrule.

Nos.	Each	Length Blade, Inches	Width Bit, Inch	Wt. Per Doz., Lbs.
TB K50/2½	\$0.37	2½	⅞	1½
TB K50/3	.39	3	⅞	1¾
TB K50/4	.45	4	¾	2½
TB K50/5	.50	5	⅞	4¼
TB K50/6	.55	6	⅞	5
TB K50/8	.69	8	¾	7½

One-half dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SIMMONS

With Lifetime Amber Composition Handles

Their exceptional insulating qualities make these screw drivers unusually desirable for radio or other electrical work where high voltages are present.

Handles that are practically indestructible—may be hammered freely, will not chip nor crack. Firmly mounted on blades—will not twist loose.

Blades that will not twist nor bend even under hardest usage.

Lifetime amber composition handle. Special analysis tool steel blades, thoroughly tempered. Straight and sharp, edged for better work. Highly polished.



REGULAR

Nos.	Each	Length Blade, Inches	Width Bit, Inch	Wt. Per Doz., Lbs.
TB SA44	\$0.45	4	⅞	2½
TB SA55	.49	5	⅞	3½
TB SA65	.55	6	⅞	3¾



ELECTRICIANS' CABINET

Slender blade and fine point designed especially for cabinet makers' and electricians' use.

Nos.	Each	Length Blade, Inches	Width Bit, Inch	Wt. Per Doz., Lbs.
TB SAE43	\$0.40	4	⅞	1¼
TB SAE63	.47	6	⅞	1¾

SIMMONS

PRESSURE-GRIP MECHANIC'S

- A husky driver for tough work. Blade cannot twist or come out.



Blade forged from high quality steel, hardened the entire length, brightly polished and extends clear through handle to cap. Satin nickel finish patented ferrule. Lustrous cherry red handle deeply fluted.

Nos.	Each	Length Blade, Inches	Diam. Blade, Inch	Weight Per Doz., Lbs.
TB SMD4	\$0.23	4	¼	3
TB SMD5	.25	5	⅜	4¼
TB SMD6	.29	6	⅞	4¾

One-half dozen in a carton.

KLICKER

Serviceable, at Low Cost



REGULAR

Forged steel blade—hardened and tempered points for long wear and good "grip" on screws. Bright finish.

Fluted, cherry stained hardwood handle—heavy steel ferrule. Average length of handle 4 inches.

Nos.	Each	Length Blade, Inches	Width Bit, Inch	Wt. Per Doz., Lbs.
TB 23/3K	\$0.10	3	⅞	1½
TB 23/4K	.10	4	⅞	2½
TB 23/5K	.10	5	⅞	3
TB 23/6K	.12	6	⅞	4

One dozen in a carton.

SCREW DRIVERS

SIMMONS LEADER
Good quality at a low price.



SOLID BAR

- Solid steel construction means long life. Fluted handle provides firm grip. Round natural finish wood handle secured to shank with two heavy flush rivets.

Nos.	Each	Lgth. Width		Lgth. Over All, In.	No. In a Ctn.	Weight Per Ctn., Lbs.	Std. List, Each
		Blade, In.	Point, In.				
TB SL1	\$0.33	4	¼	8¾	6	2¾	\$0.33
TB SL2	.43	6	⅝	10¾	6	3¼	.43
TB SL3	.53	8	¾	13¼	3	2¼	.53



HOUSEHOLD

- Useful around the home. Steel blade and ferrule brightly polished. Hardwood handle is heavily fluted and has black rubberoid finish that provides non-slip grip.

Nos.	Each	Length Width		Length Over All, In.	Wt. Per Carton, Lbs.	Std. List, Each
		Blade, In.	Bit, In.			
TB SL14	\$0.10	3	⅞	6¾	1	\$0.10
TB SL15	.15	4	⅞	9	1¼	.15
TB SL16	.20	6	⅞	11½	2¼	.20

Six in a carton.

IRWIN

Competitively Priced—Popular—Good Quality Tools



One-Piece Steel Construction

Solidly made with blade and handle shank in one piece—tough molybdenum alloy steel, heat-treated for greater strength. Full polished. Natural finish hardwood grips riveted to handle shank.

Nos.	Each	Length Width		Length Over All, In.	Wt. Per Doz., Lbs.
		Blade, In.	Bit, In.		
TB SRP64	\$0.30	4	¼	8½	4
TB SRP66	.39	6	⅝	11½	6½
TB SRP68	.47	8	¾	13½	9
TB SRP610	.69	10	⅞	15½	10½

One-half dozen in a carton.



REGULAR PATTERN

Hard, drop-forged tool steel blade—natural forged finish, with polished flats. Natural finish hardwood handles—heavy steel ferrule.

Nos.	Each	Length Width		Length Over All, In.	Wt. Per Doz., Lbs.
		Blade, In.	Bit, In.		
TB SRF63	\$0.10	3	⅞	7¼	1½
TB SRF64	.10	4	⅞	8¾	2½
TB SRF66	.10	6	⅞	11¼	4

One dozen in a carton.

IRWIN

"Tested Performance"—Your Proof of Quality

Strong, straight edged screw drivers, "proof-tested" and rated by sizes for twisting and bending resistance. Rating of each shown on package—your guarantee of quality and service.

Each screw driver on an individual "sellopak" card which creates interest by its bright coloring and distinctive illustrations of the test performances by which screw driver has been rated.



THE BLACKWIN

High quality, special screw driver steel blade—hardened, tempered and polished to a high lustrous finish. Blade extends clear through handle and is capped with heavy round end plug. Special wing lock on blade prevents turning in handle.

Extremely popular shape handle—finished in a deep, rich black lacquer with gold name stamping. Heavy duty standard nickel ferrule.

Nos.	Each	Size Blade, Inches	Wt. Per Doz., Lbs.
FB H4	\$0.23	¼x4	3
FB H5	.26	⅝x5	4¼
FB H6	.27	⅞x6	5



THE JETWIN

High quality screw driver steel blades—hardened, tempered and highly polished. Special wing lock on blade prevents turning in handle.

Special shape popular grip handle, finished in a rich satiny black with gold name stamping. Standard steel ferrule.

Nos.	Each	Size Blade, Inches	Wt. Per Doz., Lbs.
FB J4	\$0.17	⅝x4	2¼
FB J5	.20	⅞x5	3¼
FB J6	.21	⅞x6	3½



THE TIPWIN

High quality, special screw driver steel blade—hardened, tempered and highly polished. Special wing lock on blade prevents turning in handle.

Extra large handle with deep flutes for a better grip—tinted with an unusual orange lacquer and topped in bright orange, with blue stripe and blue name stamping. Heavy standard type nickel ferrule.

Nos.	Each	Size Blade, Inches	Wt. Per Doz., Lbs.
FB G4	\$0.17	⅝x4	2¼
FB G5	.20	⅞x5	3¼
FB G6	.23	⅞x6	4

One-half dozen in a handsome two-color folding display box.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SCREW DRIVERS

YANKEE

Strong—durable—well balanced. Points will not twist or break. Blades will not loosen—put in handles by special construction that keeps them solid. Handles will not easily split. Special driver steel blade, properly tempered and thoroughly tested.

Blade and ferrule finely polished. Comfortable close grained hardwood handle, evenly grooved and smoothly finished in dull dead black.



STANDARD STYLES

Nos.	Each	Length Blade, In.	Width Bit, In.	Length Over All, In.	Wt. Per Doz., Lbs.
TB 90/2	\$0.39	2	$\frac{7}{32}$	5 $\frac{3}{4}$	1 $\frac{3}{4}$
TB 90/3	.43	3	$\frac{7}{32}$	6 $\frac{3}{4}$	2 $\frac{1}{2}$
TB 90/4	.47	4	$\frac{7}{16}$	7 $\frac{3}{4}$	3 $\frac{3}{4}$
TB 90/5	.55	5	$\frac{9}{16}$	8 $\frac{3}{4}$	4
TB 90/6	.59	6	$\frac{1}{8}$	9 $\frac{3}{4}$	5 $\frac{1}{4}$



CABINET STYLES

Nos.	Each	Length Blade, In.	Width Bit, In.	Length Over All, In.	Wt. Per Doz., Lbs.
TB 95/2 $\frac{1}{2}$	\$0.37	2 $\frac{1}{2}$	$\frac{3}{16}$	6	1 $\frac{3}{4}$
TB 95/3 $\frac{1}{2}$	.43	3 $\frac{1}{2}$	$\frac{7}{16}$	7	2
TB 95/4 $\frac{1}{2}$	.45	4 $\frac{1}{2}$	$\frac{7}{16}$	8	2
TB 95/5 $\frac{1}{2}$	.47	5 $\frac{1}{2}$	$\frac{7}{16}$	9	2 $\frac{1}{4}$
TB 95/6 $\frac{1}{2}$	.49	6 $\frac{1}{2}$	$\frac{7}{16}$	10	2 $\frac{1}{2}$

One-third dozen of a size in an attractive Merchandiser Display.



YANKEE—PHILLIPS

Especially designed for driving

the Phillips recessed-head screws which are now being used extensively by industrials everywhere. Will not slip, or mar finishes.

Polished alloy steel blade, tempered to correct degree for long life and satisfactory service. Highly polished steel ferrule with knurled edge. Hardwood handle with black satin finish.

Heavy Duty

Nos.	Each	For Screws	Length Blade, Ins.	Size Point	Wt. Per Doz., Lbs.
TB 902	\$0.49	5 to 9	4	2	3
TB 903	.69	10 to 16	6	3	4 $\frac{1}{2}$

One-half dozen in a carton.

POCKET PATTERN THE DWARF

The midget screw driver for over a thousand uses.

Ideal for use on toasters, electric irons, sewing machines, radios, etc.

Polished steel blades, 2 $\frac{1}{4}$ inches long. Colored catalin shock-proof fluted handle with metal pocket clip.

Length over all 4 $\frac{1}{4}$ inches.



TB 701—Weight per gross 7 lbs. Each \$0.05

One-quarter gross in a display box. SOLD ONLY IN FULL CARTONS.

STANLEY "HURWOOD"



No. TB 51



No. TB 53

MACHINIST'S—Extra Heavy—Extra Strong—One-Piece Blade and Shank

Square heavy blade, attractively polished—exceptionally well adapted for heavy work where long screw driver cannot be used conveniently. Blade, shank and head hot-forged in one piece from good quality steel. Shank passes clear through handle and is locked in place by two projecting wings on head and is rivet through ferrule, handle and blade. Tip carefully formed, hardened, toughened and machine cross-ground to size.

Comfortable, fluted hardwood handle, black lacquered. Heavy steel ferrule.

Nos.	Each	Length Blade, In.	Width Bit, In.	Length Over All, In.	Wt. Per Doz., Lbs.
TB 51	\$0.67	1 $\frac{3}{4}$	$\frac{7}{16}$	5 $\frac{1}{2}$	4
TB 53	.89	4 $\frac{1}{2}$	$\frac{7}{16}$	9 $\frac{3}{4}$	10 $\frac{1}{2}$

One-half dozen in a carton.



HOUSEHOLD Shock-proof

Tempered steel blade, 5 inches long, nicely polished. Tough composition transparent amber shock-proof handle, deeply fluted. Blade will not loosen in handle. Length over all 8 inches.

TB 205/10—Weight per dozen 3 $\frac{1}{2}$ lbs. Each \$0.10

One-quarter gross in a carton.

SOLD ONLY IN FULL CARTONS.



A small assortment of well made, practical and serviceable clear amber shock-proof handle screw drivers in a handsome display box. Tool steel blades, hardened and tempered. Rust-resisting nickel-plated finish. Unbreakable amber composition fluted handles.

Assortment Consists of:

Six 4-inch screw driversEach \$0.25

Six 5-inch screw driversEach \$0.29

TB 802—Weight per assortment 3 $\frac{1}{2}$ lbs.

One assortment in a carton.

A New
Keen Kooker Cast Iron Range
Will Give You
BETTER, FASTER COOKING

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SCREW DRIVER ASSORTMENTS

STANLEY



Exceptional Value—Attractive Screw Drivers

Good steel blades, correctly hardened and tempered for satisfactory service. Large ears in handles prevent blades from turning in handles. Long, heavy steel ferrules.

Fluted hardwood handles, maple finish, varnished, shaped to fit the hand.

Assortment Consists of Four Each:

Length Blade, Ins.	Width, Ins.	Length Over All, Ins.
4	$\frac{1}{4}$	9
5	$\frac{5}{16}$	10 $\frac{1}{2}$
6	$\frac{3}{8}$	11 $\frac{3}{4}$

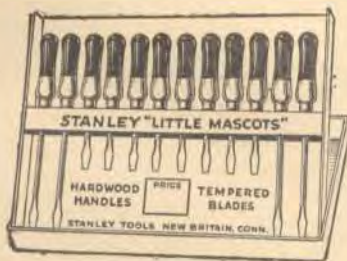
A total of one dozen screw drivers with free stand.

TB 270A—Weight per assortment 3 $\frac{1}{4}$ lbs.....Each \$0.25

Free Colorful Display Stand

Increases sales—and profits. Holds screw drivers upright on counter or in window—shows them to every customer and to best advantage. All steel stand is red enameled with harmonizing label.

STANLEY "LITTLE MASCOTS"



Handy Sized Household Screw Drivers

Excellent for use on sewing machines, typewriters, clocks, radios, locks, fishing reels—many other uses.

Tempered steel blade—securely locked into handle by two ears swedged on the shank.

Tip machine cross-ground to size—hold firmly in screw slots. Attractive hardwood handle, 2 inches long—enameled black and orange. Brass ferrules.

Assortment consists of one dozen popular size screw drivers (with free display easel)—four with 3-inch blades and eight with 1 $\frac{1}{2}$ -inch blades.

TB 121A—Weight per assortment 1 lb.....Each \$0.10

One assortment in a carton, with attractive cardboard easel display card.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

POPULAR PRICED ASSORTMENT



Full size—Competitively Priced Screw Drivers—

Good quality tools. Polished tool steel blades—hardened and tempered the entire length for added strength—cross-ground on the edges for a better "grip" in screw slots. Blades held rigidly in handles by two long wings forged on shanks.

Deep fluted hardwood handles, clear lacquer finished. Nickel-plated ferrules.

Assortment consists of two dozen screw drivers—eight each: with 4-inch, 5-inch and 6-inch blades.

TB C324—Weight per assortment 4 $\frac{3}{4}$ lbs.....Each \$0.10



BABY NON-SKID

Popularly priced.

Practical—useful screw drivers.

Blades of high-grade forged steel—securely embedded in attractively red mottled black composition rubber handles.

The ribbed blade of these screw drivers will not slip out of the screw slot, making it easier, quicker and safer to

drive screws; also prevents gouging and marring of fine finishes and fragile parts.

Assortment consists of one dozen screw drivers—four each: with 1 $\frac{1}{2}$ -inch, 2-inch and 3-inch blades.

TB 49—Weight per assortment 2 lbs.....Each \$0.15

Screw drivers mounted on attractive display card with two test screws in base—help customer to sell himself by proving grip of tool in screw slot.

One assortment in a carton.



BABY SHOCKLESS

Shock-proof moulded Bakelite handles fitted with nickel-plated pocket clips.

Fine quality, forged and tempered steel blades, $\frac{3}{8}$ inch in diameter.

Bright nickel-plated finish—for resistance to rust.

Blades moulded in handles—can't loosen.

Assortment consists of one dozen screw drivers—four each: with 1 $\frac{1}{2}$ -inch, 2-inch and 3-inch blades.

TB 48—Weight per assortment 1 $\frac{1}{2}$ lbs.....Each \$0.10

One assortment firmly attached to an attractive sales-stimulating display card.

SPIRAL RATCHET SCREW DRIVERS

YANKEE

Adjustable for Right Hand, Left Hand and Rigid

Fast working — balanced — convenient to use — sturdily built.

Adjustable for driving or loosening of screws—or for use without ratchet as an ordinary screw driver. Chromium-plated brass ratchet case and sleeve—nickel-plated steel spiral rod—chromium-plated and knurled steel chuck—steel reversing pawls—brass ratchet nuts.

Comfortable polished rosewood finish hardwood handle.

Complete with three hard tempered and polished tool steel blades 3 3/8 inches long—bits 3/16, 4/16 and 5/16-inch wide, respectively.



Quick Return Ratchet

- Special spring in handle—causes handle to come back for the next push like an automatic or push drill—saves time.
- Especially well adapted for close work when left hand cannot conveniently hold chuck. Spring holds bit in position as it pushes back handle.

Nos.	Each	Pattern	Length Bit, In.		Wt. per
			Extended	Closed	Dozen, Lbs.
TB 130A	\$4.45	Standard	20	13	14 1/2
TB 131A	4.95	Heavy	27 3/4	19 3/4	20
TB 135	2.85	Light	13 1/4	10	7 1/2



Regular Spiral Ratchet

Nos.	Each	Pattern	Length Bit, In.		Wt. per
			Extended	Closed	Dozen, Lbs.
TY 30A	\$3.00	Standard	18 1/4	13	12
TB 31A	4.45	Heavy	25	16 3/4	18 3/4
TB 35	2.39	Light	12 3/4	9 1/2	7 1/2

One in a carton.

YANKEE HANDYMAN

Popular priced—excellent quality tool—especially developed to meet demand for a lower-priced spiral screw driver of Yankee standard quality.

Same smooth-working, time-saving ratchet as larger Yankee models. Sturdy blade—comfortable round, black finished handle. Bright finished metal parts.



TB 33H—Six screw drivers put up in free merchandising package. Weight per package 3 1/4 lbs. Each \$1.00

Free Merchandising Display

Displays six screw drivers—to best advantage. Promotes sales by attractively showing merchandise on your counter or in your store window.

Six in a package.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SPIRAL SCREW DRIVERS



"YANKEE" HANDYMAN

Right and left hand, and rigid. Quick-return spring in the handle makes it return automatically for next stroke. Saves time and labor. Mechanism works smoothly and noiselessly.

Ratchet and pawls sturdily constructed—will not bend, break, wear nor get out of order.

Bits are forged from best cast steel properly tempered, ground and polished. Every bit is thoroughly tested before leaving factory. Other metal parts are nickel-plated and buffed. Handles are of hardwood, smoothly polished.

Screw driver with one bit 1/4-inch wide. Length with bit, extended 9 inches, closed 7 inches.

TB 133H—Weight per dozen 7 1/2 lbs. Each \$1.25

Four in a display carton.

EXTRA COUNTERSINK BITS

For reaming out wood for head of screw.

TB 133HC—Weight per dozen 1 lb. Each \$0.25

EXTRA SCREW DRIVER BITS

With tip 3/8 inch wide. For smaller screws.

TY 133HB—Weight per dozen 1 lb. Each \$0.12

One-half dozen in carton.

RATCHET SCREW DRIVERS

YANKEE

Adjustable for Right Hand, Left Hand and Rigid

Light weight but sturdily constructed—as solid as an ordinary screw driver.

Has ratchet arrangement that is practically frictionless. Friction in ratchet mechanism is noiseless and hardly felt on backward movement.

Bits forged from best quality cast steel—properly tempered, ground and polished—thoroughly tested. Other metal parts nickel plated and buffed.

Ratchet and pawls so well constructed that neither can bend, break, wear nor get out of order. Comfortable handles of hardwood—handsomely polished.



Standard Pattern

Blade 4 inches long—length over all 8 3/8 inches.

TY 10/4—Weight per dozen 3 1/2 lbs. Each \$0.85



Electrician's Pattern

Fine blade, 3/8x3 inches. Length over all 5 3/8 inches. Knurled washer permits turning blade with finger and thumb while hand presses on handle to hold screw in place.

TY 15/3—Weight per dozen 1 1/2 lbs. Each \$0.75

One in a carton.

DISPLAY ASSORTMENT OF YANKEE TOOLS

Here is a colorful, attractive display (only 9½x12 inches table space) designed especially to help your sales.

Display offers excellent quality merchandise backed by Yankee prestige and national advertising.

It invitingly displays popular items for everyday use: Four different tools; four different prices. Designed to meet every customer's needs.



Contains 6 handsomely finished screw drivers and 2 push drills, each brightly chromium plated with highly polished wooden handles.

Assortment consists of:

- 2 No. 30A spiral driver standard size.....Each \$3.00
- 2 No. 41 automatic push drill.....Each 2.60
- 2 No. 10 ratchet driver, 4-inch blade.....Each .85
- 2 No. 15 ratchet driver, 3-inch blade, with thumb turn.....Each .75

TB 1—Weight per box 5 lbs., 9 ozs.

Packed in attractively colored display box.
One box in a carton.

DRILL CHUCKS



For Yankee Spiral Screw Drivers

Solidly built, firm gripping chuck that adapts Yankee Spiral

Screw Drivers for use with straight shank drills.

Steel body—polished and nickel plated. Hardened—tight locking steel jaws. Straight steel shank ½ inch in diameter—accurately turned and trued. Length 5¾ inches—diameter 1½ inches.

TB 1595—Will hold straight shank drills 0 to ¼ inch. Weight each ¾ lbs.....Each \$2.65

One in a carton.

CHUCK AND DRILL SETS

For Yankee Spiral Screw Drivers

Chuck and bits that convert your Yankee spiral ratchet screw driver into a handy drill for many useful purposes.

Sturdy chuck—holds bits firmly for easy, accurate work.

Sharp edged—toughened bits—cut quickly and smoothly.

Each set consists of one chuck and eight drill points ¼ to ¼ inch, inclusive.



HALF ACTUAL SIZE

Nos.	Each	For Screw Drivers,	Chuck Diam.,	Wt. per Doz. Sets,
		Nos.	In.	Lbs.
TB 30	\$0.85	30A	⅜	2¼
TB 31	.85	31	⅝	2¼

One set in a round wood box.
One dozen sets in a carton.

CHUCK AND DRILL SET



For Yankee Handyman Spiral Screw Drivers

Sturdy—firm holding chuck—converts your Yankee Handyman into a convenient drill for use around the home, office or in the work shop.

Three sharp edged—handy sized bits—⅜, ⅝ and ¾ inch. Cut fast and smoothly.

Each set contains chuck and 3 drills in a container.

TB 33HCD—Weight per card ¼ lb.....Per Set \$0.39

Three complete sets on attractive card.

SCREW HOLDER BITS



For Yankee Spiral Screw Drivers
No. 30A

Makes it possible to reach difficult places—easily, with only one hand. Holds screw securely without interfering with operation of screw driver.

Consists of a screw driver bit, 2 steel jaws fastened at one end, a ring at the other to limit spread of jaws and a spring to operate jaws. Length bit 5 inches—diameter shank ⅜ inch.

TB 202—Weight per dozen 1¼ lbs.....Each \$0.65

One-half dozen in a carton.

SCREW DRIVER BITS



YANKEE—PHILLIPS

For Yankee spiral screw drivers.

Especially designed for driving the Phillips recessed head screws now being used extensively by industrial plants everywhere.

High-grade steel, tempered and polished for long, satisfactory service. All sizes 3¼ inches long.

For No. TY 30A Screw Drivers

Nos.	TB 1/30A	TB 2/30A	TB 3/30A
Point Nos.	1	2	3
Each	\$0.65	.65	.65

For No. TB 31A Screw Drivers

Nos.	TB 1/31A	TB 2/31A	TB 3/31A
Point Nos	1	2	3
Each	\$0.65	.65	.65

One dozen in an envelope; weight per dozen ¾ lb.

YANKEE

In Sets of 3—for Yankee spiral screw drivers.

High grade steel, tempered and polished for long, satisfactory service. All are 3¾ inches long.

For No. TY 30A Screw Drivers

Bits ⅜, ⅝ and ¾ inch wide, respectively.

TB 30B—Weight per set 3 ozs.....Per Set \$0.65

For No. TB 31A Screw Drivers

Bits ¼, ⅝ and ¾ inch wide, respectively.

TB 31B—Weight per set 3 ozs.....Per Set \$0.65

One set in an envelope.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER Chisels and Gouges

The best made—faster, smoother cutting tools that will make your work easier. Perfectly balanced—easy to handle.

- Super-sharp blades stay sharp longer and hold cutting edge.
- Comfortable handles specially designed to give you a firm, easy grip and absorb shock of hammer blows. Will not split or chip.

Blade forged from highest grade tool steel, specially tempered. Correctly beveled. Specially edged and whetted on an oil stone by hand. Reinforced solid socket. Full polished. Handle turned from selected hardwood. Leather capped.

FIRMER CHISELS



SOCKET FIRMER—BEVELED EDGE

Length of blade from shoulder to cutting edge $4\frac{1}{2}$ inches. Average length over all $11\frac{1}{2}$ inches. Natural finish varnished handle.

Nos.	Each	Size, In.	Weight Per Doz., Lbs.
TB KSB $\frac{1}{8}$	\$0.98	$\frac{1}{8}$	3 $\frac{3}{8}$
TB KSB $\frac{1}{4}$	.98	$\frac{1}{4}$	3 $\frac{5}{8}$
TB KSB $\frac{3}{8}$	.98	$\frac{3}{8}$	4
TB KSB $\frac{1}{2}$	.98	$\frac{1}{2}$	4 $\frac{1}{2}$
TB KSB $\frac{5}{8}$	1.10	$\frac{5}{8}$	5
TB KSB $\frac{3}{4}$	1.10	$\frac{3}{4}$	5 $\frac{1}{8}$
TB KSB $\frac{7}{8}$	1.17	$\frac{7}{8}$	5 $\frac{3}{4}$
TB KSB1	1.19	1	6 $\frac{1}{4}$
TB KSB1 $\frac{1}{4}$	1.35	$1\frac{1}{4}$	7
TB KSB1 $\frac{1}{2}$	1.45	$1\frac{1}{2}$	8 $\frac{1}{4}$
TB KSB1 $\frac{3}{4}$	1.55	$1\frac{3}{4}$	9 $\frac{1}{4}$
TB KSB2	1.65	2	9 $\frac{3}{8}$

One-half dozen in a carton.

BUTT CHISELS



SOCKET BUTT—FULL BEVELED EDGE

Especially adapted for fitting butts to doors. Length of blade from shoulder to cutting edge 3 inches. Average length over all $9\frac{1}{2}$ inches. Natural finish varnished handle.

Nos.	Each	Size, In.	Weight Per Doz., Lbs.
TB K $\frac{1}{4}$	\$0.98	$\frac{1}{4}$	2
TB K $\frac{3}{8}$	.98	$\frac{3}{8}$	2 $\frac{1}{2}$
TB K $\frac{1}{2}$	.98	$\frac{1}{2}$	3
TB K $\frac{5}{8}$	1.10	$\frac{5}{8}$	3 $\frac{1}{4}$
TB K $\frac{3}{4}$	1.10	$\frac{3}{4}$	3 $\frac{1}{2}$
TB K1	1.19	1	4
TB K1 $\frac{1}{4}$	1.35	$1\frac{1}{4}$	5
TB K1 $\frac{1}{2}$	1.45	$1\frac{1}{2}$	6
TB K1 $\frac{3}{4}$	1.55	$1\frac{3}{4}$	6 $\frac{1}{2}$
TB K2	1.65	2	7

One-third dozen in a carton.

GOUGES



SOCKET FIRMER—OUTSIDE BEVEL

Length of blade from shoulder to cutting edge $6\frac{1}{2}$ inches. Average length over all $13\frac{1}{2}$ inches. Polished ash handle.

Nos.	Each	Size, In.	Weight Per Doz., Lbs.
TB KOB $\frac{1}{2}$	\$1.39	$\frac{1}{2}$	4 $\frac{1}{2}$
TB KOB $\frac{3}{8}$	1.75	$\frac{3}{8}$	6
TB KOB $\frac{3}{4}$	1.85	$\frac{3}{4}$	7
TB KOB1	2.15	1	8 $\frac{1}{2}$
TB KOB1 $\frac{1}{2}$	2.59	$1\frac{1}{2}$	12

One-half dozen in a carton.

SIMMONS LEADER CHISELS

Good Quality at a Low Price.

Forged steel beveled blade hardened and tempered, ground to thin, sharp edge; polished finish. Leather capped hardwood handle.

SOCKET FIRMER



SOCKET FIRMER—BEVELED EDGE

Average length of blade $4\frac{1}{2}$ inches.

Nos.	Each	Size, Inch	Weight Per Carton (6), Lbs.	Std. List Each
TB SH1	\$0.75	$\frac{1}{2}$	1 $\frac{3}{4}$	\$0.75
TB SH2	.85	$\frac{3}{4}$	2 $\frac{1}{2}$	.85
TB SH3	.95	1	2 $\frac{3}{4}$	.95

SOCKET BUTT



SOCKET BUTT—FULL BEVELED EDGE

Average length of blade $3\frac{1}{4}$ inches.

Nos.	Each	Size, Inch	Weight Per Carton (6), Lbs.	Std. List Each
TB SH44	\$0.55	$\frac{1}{4}$	1 $\frac{3}{4}$	\$0.55
TB SH45	.59	$\frac{3}{8}$	1 $\frac{7}{8}$	.59
TB SH4	.69	$\frac{1}{2}$	1 $\frac{1}{2}$	.69
TB SH5	.79	$\frac{3}{4}$	1 $\frac{3}{4}$	.79
TB SH6	.89	1	2	.89
TB SH7	.99	$1\frac{1}{4}$	2 $\frac{1}{2}$	.99

Six in a carton.

FIRMER CHISELS



SHARK BRAND Imported Swedish

Finest quality Swedish charcoal steel, scientifically tempered, sharpened and neatly polished. Solid socket. Fine quality varnished wood handle with metal top ring to prevent splitting. Average length over all $10\frac{1}{4}$ inches.

SOCKET FIRMER—BEVELED EDGE

Length blade from shoulder to cutting edge $4\frac{1}{2}$ inches.

Nos.	Each	Size, Inch	Weight Per Dozen, Lbs.
TB 1026 $\frac{1}{4}$	\$0.95	$\frac{1}{4}$	3 $\frac{1}{2}$
TB 1026 $\frac{1}{2}$	1.10	$\frac{1}{2}$	4 $\frac{1}{2}$
TB 1026 $\frac{3}{4}$	1.19	$\frac{3}{4}$	5
TB 10261	1.25	1	6

One-half dozen in a carton.

STANLEY BUTT CHISELS



Strong, durable and perfectly balanced. Sharp, tough, thin blade. Extremely durable and distinctive

handle. Blade forged in one piece, with tang, from finest chisel steel. Carefully heat treated machine cross-ground and highly polished. Two long forged ears prevent blade from turning in handle.

Special Stanloid handle—the toughest substance known. Transparent amber at top, opaque black at bottom. Crown shaped steel cap to center hammer blows and distribute force evenly to cutting edge.

SOCKET BUTT—FULL BEVELED EDGE

Length blade 3 inches, average over-all length $7\frac{7}{8}$ to 9 inches.

Nos.	Each	Size, In.	Weight Per Doz., Lbs.
TR 60 $\frac{1}{4}$	\$1.25	$\frac{1}{4}$	2 $\frac{3}{4}$
TR 60 $\frac{3}{8}$	1.25	$\frac{3}{8}$	3
TY 60 $\frac{1}{2}$	1.35	$\frac{1}{2}$	3 $\frac{1}{2}$
TY 60 $\frac{5}{8}$	1.45	$\frac{5}{8}$	3 $\frac{3}{4}$
TY 60 $\frac{3}{4}$	1.45	$\frac{3}{4}$	4
TY 601	1.50	1	4 $\frac{1}{2}$
TY 601 $\frac{1}{4}$	1.69	$1\frac{1}{4}$	6
TY 601 $\frac{1}{2}$	1.85	$1\frac{1}{2}$	7 $\frac{1}{4}$

One in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

WOOD CHISELS



EVERSHARP—Practical, Economical

Special Display Assortment Includes free—unique counter salesman—a cardboard tower, 17¼ inches high. Attracts customers' attention. Effectively helps you sell more chisels. Holds entire assortment of popular sizes.

Tower is dark green with black and silver embossed label—novel design.

Assortment consists of: One dozen chisels—four each ½, ¾ and 1-inch sizes.

TB 310—Weight per assortment 3¾ lbs.

Per Assortment

One assortment in a carton.

High grade carbon tool-steel blades—hardened and tempered, all surfaces ground and highly polished. Cutting edges correctly sharpened for fast, easy work. Leather capped, selected hardwood handles, natural finish. Steel ferrule—securely fitted.

Blades 4½ inches long. Length over all 9¼ inches.

Individual Sizes

Nos.	Each	Size, In.	Weight Per Doz., Lbs.
TB 3276	\$0.25	½	3
TB 3476	.25	¾	3½
TB 3676	.25	1	4½

ALL-STEEL WOOD CHISELS



MAYHEW—UNBREAKABLE

Can be used with any type of hammer—one-piece all-steel construction makes tool practically indestructible. Hammer forged from special alloy cutting steel, carefully heat-treated—hard and sharp. Patented knurled hexagon handle assures a firm, non-slip grip.

Black finish with polished head and cutting edge.

Nos.	Each	Diam.			Weight Per Doz., Lbs.
		Size, In.	Steel, In.	Length, In.	
TB 833	\$0.45	½	¾	7½	3
TB 835	.75	¾	1	8½	5
TB 837	.98	1	1½	9½	8½

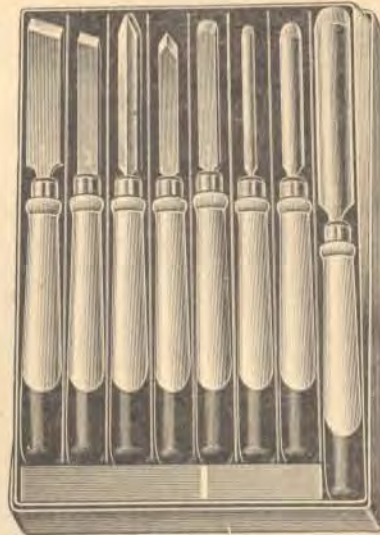
No. TB 833 and TB 835—one-half dozen in a carton.

No. TB 837—one-quarter dozen in a carton.

**KEEN KUTTER TOOLS ARE
AMONG THE WORLD LEADERS
IN QUALITY.**

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

TURNING CHISELS



PEXTO—

COMPLETE SET

All the chisels necessary for wood turning in home workshops—in one complete matched set. All good, practical serviceable tools

Blades of special crucible forged steel, heat treated and highly polished for easy cleaning. Hardwood handles 7¼ inches long—ivory lacquered, with black lacquered ends. Heavy steel ferrules. All blades 4 inches long except ¼ inch gouge, which is 5½ inches long.

Set of Eight Chisels, Consists of:

Nos.	Size, In.	Kind	Length, Ins.
210	½	Skew Chisel	12¼
210	1	Skew Chisel	12¼
208	¼	Turning Gouge	12½
208	¾	Turning Gouge	12½
208	¾	Turning Gouge	14
212	¾	Parting Tool	12½
214	½	Spearpoint Chisel	12¾
209	½	Round Nose Chisel	12¼

TB HW8—Weight per set 3¼ lbs. Per Set \$6.45

One set in a carton.

CARVING TOOLS



All the tools you need for wood carving.

Sharp—handy—durable tools.

Forged steel blades—polished and tempered—hard and keen-edged—shaped for every need. Comfortable, stained hardwood handles with nickel-plated steel ferrule.

Length blades 2½ inches—length over all 6¼ inches.

Set of six tools consists of:

- 1—½ inch "V" Tool.
- 1—¼ inch Bevel Chisel.
- 1—¾ inch Curved Gouge.
- 1—¾ inch Straight Chisel.
- 1—½ inch "U" Tool.
- 1—¼ inch Straight Gouge.

TB 106—Weight per set ¾ lb. Per Set \$3.45

One set in an attractive box, with tools in lower section of box covered with cellophane.

KEEN KUTTER PLANES

America's Finest Value — The First Choice of Carpenters Who Know and Appreciate Fine Tools

ADJUSTABLE IRON BENCH PLANES

- Super quality cutters of highest grade tool steel—specially oil tempered to hold sharp, fast cutting edges longer.
- Sides and bottoms perfectly machined and trued—will not scratch or mar finest wood.
- Fine screw and lever adjustments. Absolutely rigid, snug fitting frog—holds cutters firmly and prevents chattering.
- Tight clamping lever cap—prevents cutter from working loose while being adjusted, or when plane is in use.
- Walnut finish hardwood handle and knobs—give you a firm, comfortable grip.

Without doubt the finest planes in America. Fast and easy cutting. Easily adjusted for tissue thin or coarse shavings—endwise or sidewise. Highly polished cutters sharpened and whetted by hand on an oil stone—do smooth, quicker work. Durable cast iron frames are finely enameled—distinctive in appearance.

If you want to own the finest—be sure you have a **KEEN KUTTER!**



Illustrating Corrugated Bottom

SMOOTH BOTTOM

Nos.	Each	Style	Length, Inches	Width Cutter, Inches	Lbs.
TB K5	\$4.10	Jack	14	2	5
TB K5½	5.25	Jack	15	2¾	6
TB K6	6.00	Fore	18	2¾	7

CORRUGATED BOTTOM

Nos.	Each	Style	Length, Inches	Width Cutter, Inches	Lbs.
TB K5C	\$4.35	Jack	14	2	4¾
TB K5½C	5.50	Jack	15	2¾	5¾
TB K6C	6.25	Fore	18	2¾	6¾



Illustrating Corrugated Bottom

SHORT—SMOOTH BOTTOM

Nos.	Each	Style	Length, Inches	Width Cutter, Inches	Lbs.
TB K3	\$3.65	Smooth	8	1¾	3½
TB K4	3.75	Smooth	9	2	3¾
TB K4½	4.50	Smooth	10	2¾	5

SHORT—CORRUGATED BOTTOM

Nos.	Each	Style	Length, Inches	Width Cutter, Inches	Lbs.
TB K3C	\$3.75	Smooth	8	1¾	3½
TB K4C	3.90	Smooth	9	2	3¾

One in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

ADJUSTABLE IRON BLOCK PLANES

- Super quality cutters of highest grade tool steel—specially oil tempered. Hold sharp, fast cutting edges longer.
- Sides and bottoms perfectly machined and trued—will not scratch or mar finest wood.
- Easily made, positive adjustments.
- Durable cast iron frames, finely enameled—distinctive in appearance.

All fast cutting, smooth working planes. This group affords you the choicest selection of iron block planes to be found anywhere. Each plane is expertly designed and precision built of finest materials obtainable for the purpose. Will give you longer, better service than any other make plane.

"KNUCKLE JOINT" LEVER



Patented steel lever or cap snaps into position and locks cutter when replaced. Its distinctive shape fits your hand comfortably. Cutter adjustable sidewise and endwise by lever and screw. Throat adjustable for coarse or fine work.

Width cutter 1½-inch. Nickel plated trimmings.

TB K18—Length 6¼ inches. Weight each 1½ lbs. Each \$2.60



The cutter rests on its seat at an angle of 20°—adjustable sidewise and endwise by lever and screw. Throat adjustable for coarse or fine work.

Width cutter 1½-inch. Japanned trimmings.

TB K9½—Length 6 inches. Weight each 1½ lbs. Each \$1.95

TB K15—Length 7 inches. Weight each 1½ lbs. Each 2.15

LOW ANGLE



Cutter rests on seat at angle of 12°—the low angle makes it easy to plane across hardwood. Cutter adjustable sidewise and endwise by lever and screw. Throat adjustable for coarse or fine work.

Width cutter 1½-inch. Nickel plated trimmings.

TB K60—Length 6 inches. Weight each 1½ lbs. Each \$2.45

With Lever Adjustment



Cutter adjustable endwise by lever. Walnut finish hardwood knob.

Width cutter 1½-inch. Japanned trimmings.

TB K120—Length 7 inches. Weight each 1½ lbs. Each \$1.50

With Screw Adjustment



Cutter adjustable endwise by screw. Walnut finish hardwood knob.

Width cutter 1½-inch. Japanned trimmings.

TB K220—Length 7 inches. Weight each 1½ lbs. Each \$1.45

With Lever Adjustment



Cutter adjustable endwise by lever.

Width cutter 1¼-inch. Japanned sides and trimmings.

TB K103—Length 5½ inches. Weight each ¾ lb. Each \$0.98

One in a carton.

KEEN KUTTER NON-ADJUSTABLE IRON BLOCK PLANES

Same super quality oil tempered cutters, machined and trued sides and bottoms and durable cast iron frames as offered in the adjustable planes above. Excellent, economy-priced tools for general use.



Walnut finish hardwood knob.
Black japanned trimmings.
Width cutter 1 1/8-inch.

TB K110—Length 7 inches. Weight each
1 1/8 lbs. Each \$0.98



Japanned sides and trimmings.
Width cutter 1 1/4-inch.

TB K102—Length 5 1/2 inches. Weight each 7/8
lb. Each \$0.85

One in a carton.

SIMMONS LEADER PLANES

ADJUSTABLE IRON BENCH PLANES

- High-grade steel cutters, tempered and polished. Holds good edge.
- Screw and lever adjustment. Tight-fitting frog eliminates chattering.
- Japanned cast frame and cap.
- Rosewood finish handle and knob shaped to assure steady grip.



JACK

TB SV4—Length 14 inches. Cutter 2 inches;
weight each 4 3/4 lbs.
Std. List Each \$1.99..... Each \$1.99



SMOOTHING

Nos.	Each	Lgth., Inches	Size Cutter, Inches	Weight Each, Lbs.	Std. List, Each
TB SV2	\$1.29	8	1 3/4	3 1/2	\$1.29
TB SV3	1.69	9	2	3 3/4	1.69



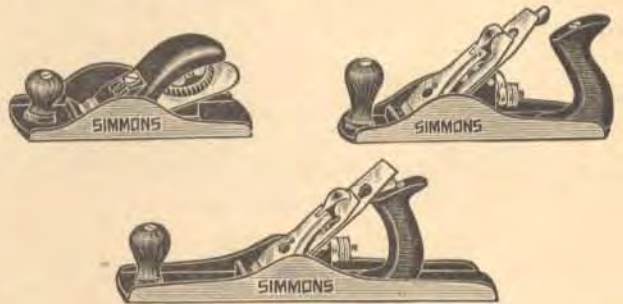
With Smooth-Working Lever Adjustment

High-grade steel cutter, tempered and polished. Japanned cast-iron frame and cap. Hardwood knob. Cutter 1 1/2 inches.

TB SV1—Length 7 1/4 inches; weight each 1 1/4 lbs.
Std. List, Each \$0.49..... Each \$0.49

One in a carton.

PLANE ASSORTMENT



This assortment of planes has been selected to meet the requirements of almost all dealers in hardware and consists of 9 planes of the most called-for styles and sizes. Planes are all **SIMMONS** Leader quality.

Consists of:

	Each
6 non-adjustable iron block planes No. TB SV1.....	\$0.49
1 smoothing plane No. TB SV2.....	1.29
1 smoothing plane No. TB SV3.....	1.69
1 jack plane No. TB SV4.....	1.99

TB SVA—Weight per assortment 30 lbs.

Each plane in an individual box; one assortment in a carton.

*There is a Difference in
KITCHENWARE.*

Polly Prim Kitchenware is

Unusually Good—But Modest

in Price.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

ADJUSTABLE IRON BENCH PLANES

STANLEY "BAILEY"

High Quality, Practical Tools

- Two piece cutter—properly tempered and polished.
- High carbon crucible steel bit takes and holds a sharp, smooth cutting edge.
- Improved, tight locking lever cap and rigid frog—absolutely prevents chattering.
- Perfectly trued, sturdy cast iron frames, sides and bottoms ground true and polished.

Exceptionally fine planes. Special two-piece cutter construction affords a hard, tough cutting edge backed by a lower carbon crucible steel blade which yields readily to pressure of cap and lever and permits a firmer seat on the frog. Construction also makes honing or grinding easy. The two parts are permanently fused together when originally cast. The new type lever cap has a special pear shaped hole which overcomes all tendency of cap to loosen when cutter is adjusted. Cutters adjustable endwise and sidewise.

Genuine rosewood handles. Polished surface finished with clear lacquer to improve appearance and prevent rusting. Polished caps.



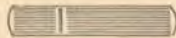
Illustrating
Corrugated Bottom

LONG—SMOOTH BOTTOM

Nos.	Each	Style	Length, Inches	Width Cutter, Inches	Wt. Each, Lbs.
TY 5	\$4.25	Jack	14	2	5
TB 5 1/4	4.35	Jack	11 1/2	1 3/4	3 3/4
TB 5 1/2	5.95	Jack	15	2 1/8	6
TY 6	6.10	Fore	18	2 3/8	7
TY 7	8.15	Jointer	22	2 3/8	8

LONG—CORRUGATED BOTTOM

Nos.	Each	Style	Length, Inches	Width Cutter, Inches	Wt. Each, Lbs.
TY 5C	\$4.45	Jack	14	2	5
TY 5 1/2 C	6.25	Jack	15	2 3/8	6
TY 6C	6.30	Fore	18	2 3/8	7
TB 7C	8.35	Jointer	22	2 3/8	8
TB 8C	9.65	Jointer	24	2 5/8	9 1/4



Illustrating
Corrugated Bottom

SHORT—SMOOTH BOTTOM

Nos.	Each	Style	Length, Inches	Width Cutter, Inches	Wt. Each, Lbs.
TY 3	\$3.75	Smooth	8	1 3/4	3
TY 4	3.75	Smooth	9	2	3 1/2
TB 4 1/2	5.25	Smooth	10	2 3/8	5

SHORT—CORRUGATED BOTTOM

Nos.	Each	Style	Length, Inches	Width Cutter, Inches	Wt. Each, Lbs.
TY 3C	\$3.95	Smooth	8	1 3/4	3 1/4
TY 4C	4.00	Smooth	9	2	4
TY 4 1/2 C	5.45	Smooth	10	2 3/8	5

One in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

IRON BLOCK PLANES

STANLEY

High Quality, Practical Tools

- Highest grade tool steel cutters—properly tempered and polished—sharp, fast cutting.
- Perfectly trued, smooth finished sides and bottoms.
- Sturdy, enameled cast iron frames.

WITH EASY, POSITIVE ADJUSTMENTS

LOW ANGLE—KNUCKLE JOINT LEVER



Easy to plane across hardwood. Cutter at 12° angle—adjustable endwise by steel screw. Adjustable throat.

Handy grip. Fitted with patented steel lever or cap which snaps into position and locks cutter when replaced. Bottom and sides milled and ground. Nickel plated trimmings. Width cutter 1 3/8 inches.

TB 65—Length 7 In. Weight each 1 3/8 lbs....Each \$3.15

KNUCKLE JOINT LEVER



Patented steel lever or cap snaps into position and locks cutter when replaced. Its distinctive shape makes a handy grip. Cutter adjustable sidewise and endwise by lever and screw. Throat adjustable for coarse or fine work. Nickel plated trimmings. Width cutter 1 3/8 inches.

able for coarse or fine work. Nickel plated trimmings. Width cutter 1 3/8 inches.

TY 18—Length 6 In. Weight each 1 1/2 lbs....Each \$2.50

Cutter adjustable sidewise and endwise by lever and screw. Throat adjustable for coarse or fine work. Has handy grip. Japanned trimmings. Width cutter 1 3/8 inches.

TY 9 1/2—Length 6 In. Weight each 1 1/2 lbs....Each \$1.98

Cutter adjustable endwise by lever. Bottom and sides milled and ground. Rosewood knob—japanned trimmings. Width cutter 1 3/8 inches.

TB 120—Length 7 In. Weight each 1 3/8 lbs....Each \$1.70

Cutter adjustable endwise by steel screw. Bottom and sides milled and ground. Rosewood knob—japanned trimmings. Width cutter 1 3/8 inches.

TY 220—Length 7 In. Weight each 1 3/4 lbs....Each \$1.45

Cutter adjustable endwise by lever. Bottom is milled and ground. Japanned sides and trimmings. Width cutter 1 3/8 inches.

TB 103—Length 5 1/2 In. Weight each 7/8 lb....Each \$1.10

One in a carton.

IRON BLOCK PLANES

STANLEY

High Quality, Practical Tools

- Highest grade tool steel cutters—properly tempered and polished—sharp, fast cutting.
- Perfectly trued, smooth finished sides and bottoms.
- Sturdy, enameled cast iron frames.

NON-ADJUSTABLE



DOUBLE END—has two mouths and two cutter seats. Can be used as block plane or, by reversing position of cutter and clamping wedge (see dotted lines in illustration), it can be made into

bull nose plane for work in close corners. Bottom and sides milled and ground. Rosewood knob—japanned trimmings. Width cutter 1½ inches.

TB 130—Length 8 In. Weight each 1½ lbs...Each \$1.90



Bottom is milled—sides and bottom ground. Rosewood knob. Lever cap polished and nickel plated. Width cutter 1½ inches.

TB 110—Length 7 In. Weight each 1¾ lbs...Each \$1.10



Bottom is milled and ground. Japanned sides and trimmings. Width cutter 1½ inches.

TB 102—Length 5½ In. Weight each ¾ lb...Each \$0.90



TOY SIZE—a handy little plane. Sides and trimmings japanned. Width cutter 1 inch.

TB 101—Length 3½ In. Weight each ¼ lb...Each \$0.49

One in a carton.

PLANE IRONS

STANLEY AND BAILEY PATENTED, IMPROVED

Duo-construction for great strength—keen edge. The top front section of iron is high carbon steel, best suited for sharpening. The backing is of lower carbon steel, soft enough to yield to pressure of cap and lever—gives a firmer seat on frog. Two parts fused together when cast—tempered and polished.



Single
For both wood bottom and iron planes. Fits Bailey and Bed Rock planes.

Nos.	Each	Size, Inches	Wt. Per Dozen, Lbs.
TB SC1¾	\$0.75	1¾	2½
TB SC2	.75	2	3
TB SC2¼	.85	2¼	3¾
TB SC2½	.90	2½	4
TB SC2¾	.95	2¾	5



Double
For wood planes. Fits Bailey planes.

Nos.	Each	Size, Inches	Wt. Per Dozen, Lbs.
#TB WP2	\$1.30	2	5½
#TB WP2⅛	1.45	2⅛	6¼
#TB WP2¼	1.45	2¼	7
#TB WP2¾	1.50	2¾	7½

One-half dozen in a carton.

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

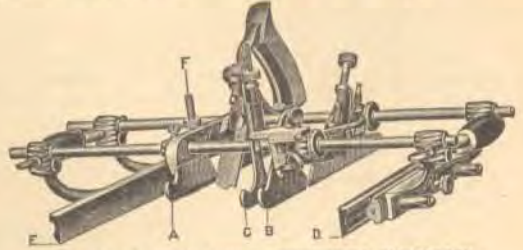
PATENT UNIVERSAL PLANES

STANLEY

- Razor-keen tool steel cutters—properly tempered and polished. Hold sharp, fast-cutting edges.
- Easy, positive adjustments for tissue-thin or coarse shavings.
- Durably constructed cast-iron frame.

Expertly designed and constructed of high quality materials.

Does smooth, accurate work—quickly and easily. Specially adapted to help you do better work on the job.



"A PLANING MILL WITH ITSELF"

A real boon to every carpenter who wants to be prepared for any type of planing work which he might be required to do. With it, the scope of work is practically unlimited—combines all the "fancy" planes.

Beading—center beading—plow—dado—rabbet—filletster—match—sash—slitting and superior moulding plane. Will accommodate cutters of almost any shape and size.

Simple, Easy-to-Use Construction

- A—Main stock with two sets of transverse sliding arms.
- B—Sliding section with vertically adjustable bottom.
- C—Auxiliary center bottom, adjustable both vertically and laterally—to be placed in front of cutter, when needed as an extra support or stop.
- D—Fence with lateral adjustment by means of a screw—for extra fine work.
- E—Fence-reversible for center beading wide boards.
- F—Precision depth gauge—adjustable by screw.
- Under (F) is a superior slitting cutter with stop.
- To left-hand side of (B) is inserted an adjustable stop for use in beading edges of matched boards.
- Fences (D) and (E) can be used on either side of plane—rosewood guides can be tilted to any desired angle up to 45° by loosening face screws.
- Patented adjustable spurs—for working across grain. Handsomely finished with nickel-plated frame—comfortable rosewood handle—easy turning steel adjusting screws.

Complete With 55 Different Cutters

(Arranged in four separate cases)

Easily understood directions for all uses of this marvelous tool—packed with each plane

TY 55—Weight each 15 lbs.....Each \$30.75

One in a hinged wood box.

PLANE HANDLES

STANLEY

To fit Bailey planes Nos. 35 and 36.
TB 35B—Plain finish beech-woodEach \$0.45

To fit Bailey planes Nos. 3, 3C, 4, 4C, S4, 603, 603C, 604 and 604C.
TB 3—Polished rosewoodEach \$0.65

To fit Bailey planes Nos. 4½, 5, 5½, 6, 7 and 8.
TB 5—Polished rosewoodEach \$0.65

One dozen in a carton. Weight per dozen 2 lbs.

ADJUSTABLE PLANES

STANLEY—HIGH QUALITY, PRACTICAL TOOLS

- Razor-keen tool steel cutters—properly tempered and polished. Hold sharp, fast-cutting edges.
- Easy, positive adjustments for tissue-thin or coarse shavings.
- Durably constructed cast-iron frames.

SCRUB PLANES

NEW, IMPROVED



Makes light work of heavy cutting! Rounded edge, single iron cutter is particularly adapted to quick roughing down of heavy, coarse timber—before finishing with jack or other plane.

Japanned cast-iron frame and clamp—smooth hardwood handles. Length 9½ inches, width cutter 1¼ inches.

TB 40—Weight each 2¼ lbs.....Each \$2.35

ROUTERS

For Perfectly Smooth Grooving

Specially adapted to smoothing bottom of grooves, panels or other depressions below general surface of any wood-work. Cutters are adjustable.

Can be converted into bull-nose tools for routing out mortises and other difficult surfaces. Bits can be clamped to back side of uprights, outside of stock.



OPEN THROAT

Attachment is furnished for closing throat—for use on narrow surfaces. Maple knobs finished in black. Nickel-plated frame. Length 7½ inches.

Complete with one each: ½ and ¼-inch router cutters, and 1/16-inch "V" or smoothing cutter.

TB 71—Weight each 2½ lbs.....Each \$4.45



CLOSED THROAT

Maple knobs finished in black. Nickel-plated frame. Length 7½ inches.

Complete with one each: ½

and ¼-inch router cutters, and 1/16-inch "V" or smoothing cutter.

TB 71½—Weight each 2½ lbs.....Each \$3.60

RABBET PLANES

WITH SPUR



Planes into corners or up against perpendicular surfaces. Perfectly flat on both sides—works equally well with either hand. Fitted with spur and detachable depth gauge. Solid, easy grip handle. Black enameled finish.

Nos.	Each	Length, Inches	Width Cutter, Inches	Weight Each, Lbs.
TB 190	\$2.39	8	1½	2½
TB 191	2.39	8	1¼	2¼

One in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

Excellent planes—expertly designed and constructed of high quality materials.

Do smooth, accurate work—quickly and easily. Specially adapted to help you do better work on the job for which each is intended.

RABBET AND FILLETSTER PLANES

THREE PLANES IN ONE



1—Regular Rabbet—when arm, to which fence is secured, is removed. Planes into corners or up against perpendicular surfaces, equally well with either hand—perfectly flat on both sides. When in rear seat cutter is adjustable endwise. 2—Bull-nose Rabbet. Equipped with second cutter seat at front for close work. 3—Superior right or left-hand filletster with adjustable spur (for working across grain) and depth gauge. Arm to which fence is secured can be screwed into either side of stock. Solid, easy grip handle. Black enameled finish. Width cutter 1½ inches. Length 8½ inches.

TB 78—Weight each 3 lbs.....Each \$2.89

One in a carton.

COMBINATION BEADING, RABBET AND SLITTING

"9 HANDY TOOLS IN 1"

Beading and center beading—rabbet—filletster—dado—plow—match—slitting and sash plane.



• Main stock with sliding section accommodates cutters of different widths and shapes.

- Adjustable fence for guide and a depth gauge.
- Spurs for use in working across the grain.
- Can be used either right or left handed—as needed.
- Superior slitting attachment (see illustration below).

You carpenters who do not have a circular saw: This improved slitting attachment will help you a great deal!



With it you can slit up your stock for fitting up doors and windows, or kindred work—quickly and easily.

Nickel-plated frame—smooth rosewood handle. Length 11 inches.

Complete With 23 Different Cutters

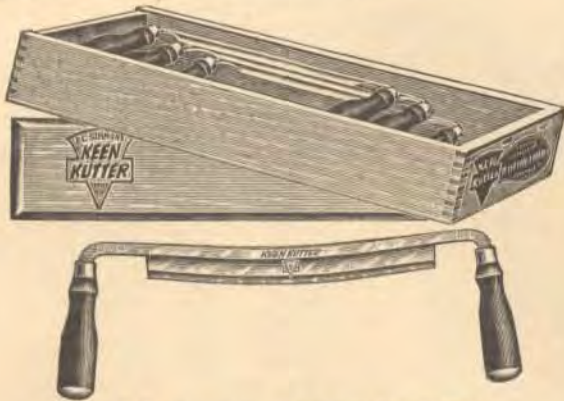
Seven beading tools (1/8, 1/16, 1/4, 3/16, 5/16, 7/16 and 1/2 inch)—eleven plow and dado bits (1/8, 1/16, 1/4, 3/16, 5/16, 7/16, 1/2, 5/8, 3/4, 7/8 and 1-inch)—one filletster (1¼-inch)—one slitting tool—two match tools (1/4 and 3/8-inch) one sash tool (1½-inch).

TY 45—Weight each 9½ lbs.....Each \$15.95

One in a carton.

DRAWING KNIVES

For fast, easy cutting. Handles shaped for firm, non-slip grip. Tangs securely attached to handles.



KEEN KUTTER FINEST QUALITY RAZOR BLADE

Forged from one piece of highest grade tool steel—oil tempered, sharpened and whetted on an oil stone, by hand. Full polished.

Ebony finish hardwood handles. Nickel plated steel ferrules and caps. Tangs extend through ferrules, handles and caps—carefully headed at ends for greatest strength. Length handles 5 inches.

Nos.	Each	Length Blade, Inches	Width Blade, Inches	Weight Per Doz., Lbs.
TB K8	\$1.50	8	1 1/4	15
TB K9	1.60	9	1 1/4	16
TB K10	1.75	10	1 1/2	19

One-half dozen in a wood box.



SIMMONS LEADER

Forged steel tempered blade and shank, highly polished. Mahogany finish handles with heavy metal ferrules and caps. Blade 1 1/2 inches wide.

Nos.	Each	Length Blade, Inches	Weight Per Carton, Lbs.	Std. List, Each
TB SC1	\$1.10	8	3 3/4	\$1.10
TB SC2	1.29	10	2 1/4	1.29

Packing: 8-inch—three in a carton.
10-inch—two in a carton.

SPOKE SHAVES

BAILEY

Adjustable Mouth



Mouth can be opened or closed for coarse or fine work—by steel thumb screw.

One piece cast iron japanned frame, cap and raised (sure grip) handle—high grade steel cutter tempered and sharpened—adjustable end-wise and side-wise. Length 10 inches. Size cutter 2 1/4 inches.

TB 53—Weight per dozen 4 1/2 lbs. Each \$0.75

One-half dozen in a carton.

CABINET SCRAPERS



KEEN KUTTER —FLAT STEEL

Highest grade tool steel—oil tempered—hard, durable. Cross ground for true, even edge. Full polished.

Nos.	TB K255	TB K35
Size, In.	2 1/2 x 5	3 x 5
Wt. per Doz., Lbs.	2	2 3/4
Each	\$0.23	.25

One dozen in a carton.

SIMMONS

Flat Steel in Handle



Fine tool steel blade 3x3 inches—hard tempered and sharpened. Comfortable beechwood handle—curved for maximum working leverage and power—12 1/2 inches long.

Smooth belted sides, varnished top and bottom. Blade fastened securely in handle with nickel-plated steel screw and tightening lever.

TB S2—Weight per dozen 8 3/4 lbs. Each \$0.89

One-half dozen in a carton.

EXTRA BLADE FOR No. TB S2 SCRAPERS

TB S2B—Weight per dozen 1 1/2 lbs. Each \$0.35

Packing—bulk.



STANLEY

Adjustable-Cushioned

For working on floors, scraping in corners, close to mouldings, removing paint.

- Adjustable single handle—can be tilted to give blade any angle desired.
- Spring in head acts as a cushion—eliminates chatter—helps you do better, smoother work.
- Two 3-inch tempered tool steel blades: one straight with beveled edge—one formed, two-edged blade that can be easily sharpened with a file.

Sturdy, japanned cast-iron frame—hardwood handle—secure adjustments for handle and blade. Length over all 12 inches.

TB 82—Weight each 1 3/4 lbs. Each \$1.89

Packing—bulk.

EXTRA BLADES FOR No. TB 82 SCRAPERS

Straight, Beveled Edge Blade

TB 82B—Weight per dozen
1 1/4 lbs. Each \$0.40

Two-Edged, Formed Blade

TB 82DE—Weight per dozen
1 1/4 lbs. Each \$0.40

One dozen in a carton.

STANLEY

Smooth Working—Durable



One piece cast iron frame and raised (easy-grip) handles—japanned.

Tempered tool steel blade—carefully beveled. May be sprung to a slight curve by adjusting thumb screw. Polished.

Length 11 inches, size cutter 2 3/4 inches.

TB 80—Weight per dozen 21 lbs. Each \$1.25

One-twelfth dozen in a carton.

EXTRA BLADES FOR No. TB 80 SCRAPERS

TB 80B—Weight per dozen 1 1/2 lbs. Each \$0.35

One dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

WOOD SCRAPERS

RED DEVIL—GOOD, ECONOMICAL TOOLS

Practical for carpenters, cabinet makers, floor finishers and others.

High carbon steel blades—easily removed and sharpened. Double edged for added convenience—longer service. Sturdy, smooth, red enameled hardwood handles.

Reversible Pistol Grip Pattern



Plenty of power can be exerted on work through comfortable, balanced handle. Block holding blade is grooved on both sides—handle fits either side. Double blade 2½ inches wide, length over all 8½ inches.

TB 8—Weight per dozen 4½ lbs.....Each \$0.75



Spade-Shaped Handle

Double blade 2½ inches wide, length over all 7¼ inches.

TB 5—Weight per dozen 3½ lbs.....Each \$0.49

One-half dozen in a display carton.



Narrow Blade—Spade-Shaped Handle

Double blade 1½ inches wide; length over all 6¼ inches.

TB 4—Weight per dozen 2 lbs.....Each \$0.25

One dozen in a display carton.



Straight Handle

Single 1-inch blade, length over all 5 inches.

TB 0—Weight per dozen 1¼ lbs.....Each \$0.10

One dozen in a carton.

EXTRA BLADES FOR WOOD SCRAPERS

RED DEVIL—DOUBLE EDGED

For No. TB 4 Scrapers—Width 1½ inches.

TB 1½B—Weight per dozen ¼ lb.....Each \$0.15

For Nos. TB 5 and TB 8 Scrapers—Width 2½ inches.

TB 2½B—Weight per dozen ¼ lb.....Each \$0.25

Packing—bulk.

Pick the Right Tool to Do the Job.
You Couldn't Do Better Than to
Pick

KEEN KUTTER.

WOOD SCRAPER ASSORTMENTS

RED DEVIL—Good, Economical Tools

Three popular handy tools attractively displayed on large easel display card.

Tools sell themselves when placed on counter or in your window—because they are practical and economical double edged scrapers.

Free—One popular Red Devil No. TB 0 2 4 glass cutter free with each assortment—in place on display card.



Assortment Consists of:

One each Nos. TB 4, TB 5, and TB 8 wood scrapers with two separate, replaceable blades for each.

Per Assortment

TB 170—Weight per assortment 1¼ lbs.....\$1.45

Wrapped in paper.

BOX SCRAPERS

Solid, Serviceable



Hard tempered tool steel blade with three sharp cutting edges. Black finish malleable iron shank. Comfortable varnished hardwood handle—strong and durable—6½ inches long. Blade 3¾ inches wide, securely mounted to shank by steel set screw and washer. Plain steel ferrule. Length over all 10½ inches.

TB 272—Weight per dozen 7 lbs.....Each \$0.75

One-half dozen in a carton.

SCRATCH AWLS

KEEN KUTTER



SOCKET PATTERN

Highest grade tool steel blade and socket—tempered and polished for easy cleaning. Smooth hardwood handle. Length of blade and socket 5½ inches. Diameter ¼ inch. Length over all 7½ inches.

TB K100—Weight per dozen 1¼ lbs.....Each \$0.39

One dozen in a wood box.

SIMMONS LEADER



Fine quality steel blade, polished. Hardwood handle. Length of blade 3½ inches. Length over all 6½ inches.

TB SHH1—Weight per carton (6) 1¼ lbs.

Std. List, Each \$0.29.....Each \$0.29

Six in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SEWING AWLS



MYER'S LOCK STITCH

Sews with a lock stitch. Will be found a very

satisfactory tool for sewing shoes, saddles, harness, awnings, tents, carpets, gloves and canvas of all kinds. Stained hardwood hollow handle, with nickel-plated steel frame. Reel and clamp nut for holding needle in position. Reels wound with waxed thread ready for sewing. Complete with two diamond point needles, one straight and one curved, both of which are grooved the entire length for the thread to run through, which avoids breaking the thread. Combination screw driver and wrench furnished for tightening the clamp which holds the needle, also for removing the reel for refilling. Length with needle inserted 7 inches.

TR M—Weight per dozen 3 lbs.....Each \$0.50

One-twelfth dozen in a cardboard box, with directions for use.

EXTRAS FOR No. TBM SEWING AWL

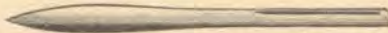
Nos.		Each
TB 5 —Needles	Fine straight	\$0.10
TB 6 —Needles	Regular curve	.10
TB 8 —Needles	Regular straight	.10

Weight per dozen ¼ lb.

TY ST—Waxed Thread 25-yd. skeins .15

Weight per dozen ¼ lb.
Packing—bulk.

NEEDLES



HEAVY RICE SACKING—For Closest Weaves

Finest quality polished spring steel—exceptionally strong and flexible for heaviest work—will not easily bend or break. Double-edged smooth head quickly spreads tightest woven sacking to permit easy sewing with extra heavy string or twine. Easily threaded large spring eye—holds twine firmly without breaking it. Length 5½ inches.

TB 936—Weight per gross 7 lbs.....Each \$0.49

25 in a paper—100 in a package.



SACKING OR PACKING—For Loose Weaves

Easily handled for fast work. Best grade English steel—tempered, hardened and polished—will not bend easily or snap off. Smooth, square-cornered eye will not pinch or break heavy thread or twine.

Nos.	Per Dozen	Size, In.	Wt. Per Gross, Oz.
TB 20/3	\$0.15	3	8
TB 20/4	.19	4	8
TB 20/5	.27	5	12
TB 20/6	.39	6	16

TB 20/3-5—Assorted Sizes—3 to 5-inch lengths. Weight per gross 8 ounces.

One-fourth gross in a paper.



SHRIMPTON PATTERN SACKING For Ordinary Weaves

High quality polished English spring steel—sturdy and flexible—will not easily bend or break. Spear head opens sacking mesh wide enough for easy entrance of heavy twine or string. Easily threaded large spring eye holds twine firmly without breaking it.

TB 934—Length 4 inches.....Each \$0.19

TB 935—Length 5 inches.....Each .19

One-twelfth gross in a paper—one gross in a package.
Weight per gross 24 ounces.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

NEEDLES



MATTRESS NEEDLES—Fast Working—Strong

Best grade steel—tempered, hardened and polished—will not bend easily or snap off. Extra sharp—conveniently double pointed for push or pull sewing. 12 inches long.

TB M—Weight per gross 3 lbs.....Each \$0.10

One-twelfth gross in a paper.



SPEYING—Easily Handled—Sturdy

Best grade steel—tempered, hardened and polished—will not bend easily or snap off. Easily threaded smooth eye—holds gut without slipping or breaking. Sharp curved point for quick incisions. Length 3½ inches.

TB SP3½—Weight per gross 12 ounces. Per Dozen \$0.19

One-fourth gross in a package.

One gross in a cardboard box.

FLUTED RUBBING BRICKS

CARBORUNDUM BRAND

For Contractors, Builders and Concrete Workers.

Silicon carbide fluted rubbing bricks—most effective and efficient for rubbing down concrete surfaces . . . quickly removing mould or form marks . . . concrete finishing.

The flutes give a decided shearing action and at the same time carry away removed material. This feature combined with the remarkable abrasive properties of carborundum brand silicon carbide gives a brick that cuts faster, gives a better finish and lasts longer.

With Handle



Heavy, smoothly finished wood handle securely cemented to brick—provides decidedly handy method for easy rubbing. Fluted on bottom only.

Size 8x3½x1½ inches.

TB 288—Weight per dozen 36 lbs.Each \$2.25

One dozen in a case.



Without Handle

Nos.	Each	Size, Inches	Wt. Per Dozen, Lbs.
TB 622	\$1.10	6x2x2	20½
TB 822	1.50	8x2x2	30

Packing—bulk.

A New
KEEN KOOKER
CAST IRON RANGE
Will Give You Better, Faster
Cooking

PLASTERING TROWELS

KEEN KUTTER

CINCINNATI PATTERN CONVEX GROUND



Highest quality forged tool steel blade—oil tempered—etched and polished.

Blade securely riveted to polished malleable iron

mounting and shank with tang that extends clear through handle. Handle fastened by screw at back of tang—cannot turn or wobble loose.

Large, comfortable, select basswood handle—4 inches long—varnished finish.

Perfectly balanced for easier, faster work.

Nos.	Each	Length Blade, In.	Width Blade, In.	Wt. Per Doz., Lbs.
TB KS10½	\$1.65	10½	4½	12
TB KS11	1.65	11	4¾	13

SIMMONS

A High Quality Trowel—at a Lower Price



Good quality tool steel blade—tempered for strength—plain ground, etched and polished for smooth work.

Blade securely riveted to polished malleable iron mounting and shank—tang extends through handle and is riveted on end. Handle will not turn or twist loose.

Smooth finish basswood handle, 4 inches long—good balance.

Nos.	Each	Length Blade, In.	Width Blade, In.	Wt. Per Doz., Lbs.
TB S10½	\$0.98	10½	4½	11
TB S11	.98	11	4¾	12

KLICHER

A serviceable trowel at a low price



Tempered, smoothly ground, polished steel blade, held by four rivets to natural finish shank with tang that extends through handle and is

headed on the end over a washer. Handle cannot slip off of tang—blade will not loosen from shank.

Plain finish hardwood handle, 4 inches long.

Blade 10½x4½ inches.

TB 10½K—Weight per dozen 12 lbs.....Each \$0.49



Wrought steel blade with one-piece wrought handle and shanks securely welded to blade. Blade 10½x4½ inches.

TB 24K—Weight per dozen 11 lbs.....Each \$0.19

One-half dozen in a cardboard box.

**KEEN KUTTER TOOLS ARE
AMONG THE WORLD LEADERS
IN QUALITY.**

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

MARSHALLTOWN FINISHING

Superior Quality
Slightly Concave



Extra quality 22-gauge tempered tool steel blade—

smoothly ground—slightly concave for easy, fast finishing. Full polished. Blade riveted at 1 inch intervals to long polished mounting extending to 1 inch from each end of blade. Tang extends clear through handle—securely bolted at back. Handle cannot turn or come off. Smooth natural finish hardwood handle, 4½ inches long—slopes in front towards wide oval shank to form a convenient thumb-rest. Nicely balanced.

Nos.	Each	Length Blade, In.	Width Blade, In.	Wt. Per Doz., Lbs.
TB MF91	\$2.75	10½	4½	12
TB MF1	2.75	11	4½	14½
TB MF2	2.75	11½	4½	14

One-third dozen in a cardboard box.

MARSHALLTOWN XTRALITE—FINISHING

These trowels are about 25% lighter in weight than the standard models, conserve the strength of the user and fill the demand for extra light trowels.

Improved balance and hang, easier to handle

Durable light spring steel blade—tempered for long service—taper ground from center for better, easier work; full polished.

Special, light, strong aluminum alloy mounting riveted to blade with ten hard steel rivets—holds blade straight. Tang extends clear through handle and is secured by brass nut with washer—handle cannot turn or twist off.



With smooth, tapered, round basswood handle, 4½ inches long—natural finish.

Nos.	Each	Length Blade, In.	Width Blade, In.	Wt. Per Doz., Lbs.
TB MX91	\$3.25	10½	4½	12
TB MX1	3.25	11	4½	13
TB MX2	3.25	11½	4½	13½
TB MX3	3.25	11	4¾	14

WITH CALIFORNIA PATTERN HANDLE



Smooth, oval shaped basswood, 4½ inches long—natural finish.

Nos.	Each	Length Blade, In.	Width Blade, In.	Wt. Per Doz., Lbs.
TB MXS91	\$3.25	10½	4½	12
TB MXS1	3.25	11	4½	13
TB MXS3	3.25	11	4¾	14

One in a carton.

CEMENT TROWELS

MARSHALLTOWN



Extra Strong—Convex Face Highest grade crucible steel tempered blade—smoothly ground and polished for fast, easy work.

Blade riveted to mount with ten steel rivets. Tang extends clear through handle and is bolted at end. Handle cannot turn or break loose. Comfortable, smooth turned natural finish wood handle. Blade 14x4 inches.

TB MC14—Weight per dozen 15½ lbs.....Each \$3.25

One-third dozen in a cardboard box.

BRICK TROWELS

KEEN KUTTER



PHILADELPHIA PATTERN

Highest quality polished tool steel blade—extra ground

and oil tempered. Blue lacquered steel shank—long polished steel ferrule.

Perfect grip, white gumwood handle, 5½ inches long. Securely mounted on shank—will not turn or come loose.

Hung just right—for best work. The bend of the shank and shape of the handle are carefully modeled after latest approved patterns for expert use.

Nos.	Each	Lgth. Width		Lgth. Over	Wt. Doz.,
		Blade, In.	Heel, In.			All, In.	Lbs.
TB KPB10½	\$1.95	10½	5½	16½	13
TB KPB11	1.95	11	5¾	17¼	14

SIMMONS



PHILADELPHIA PATTERN

Good quality polished tool steel blade—ground and

tempered. Steel shank—polished steel ferrule.

Comfortable, securely mounted beechwood handle, 4¾ inches long—will not turn or twist loose. Well balanced for quick, easy work.

Nos.	Each	Lgth. Width		Lgth. Over	Wt. Doz.,
		Blade, In.	Heel, In.			All, In.	Lbs.
TB SPB10½	\$0.89	10½	5½	16	13
TB SPB11	.89	11	5¾	16¼	14½

ROSE'S—SUPERIOR QUALITY



PHILADELPHIA PATTERN

Extra quality polished steel blade—care-

fully tempered and ground smooth. Blue lacquered steel shank—long polished steel ferrule.

Comfortable gumwood handle 5¾ inches long. Well balanced for quick, easy work.

Nos.	Each	Lgth. Width		Lgth. Over	Wt. Doz.,
		Blade, In.	Heel, In.			All, In.	Lbs.
TB 11010	\$2.25	10	4¾	16	12
TB 11010½	2.25	10½	5¾	16½	13
TB 11011	2.25	11	5¾	16¾	14



LONDON PATTERN

Extra quality polished steel blade carefully tempered and ground smooth. Lac-

quered steel, high shank with center of ferrule at bend of shank, 1¾ inches up from bottom of blade—gives additional clearance between handle and working surface. Smooth hardwood handle, 6 inches long—with long polished steel ferrule.

Nos.	Each	Lgth. Width		Lgth. Over	Wt. Doz.,
		Blade, In.	Heel, In.			All, In.	Lbs.
TB 11210½	\$2.25	10½	5½	16¼	13
TB 11211	2.25	11	5½	16¾	14

One-half dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KLICHER



PHILADELPHIA PATTERN

Sturdily made. Heavy wrought

steel polished blade 10½ inches long, 4¾ inches wide. Natural finish malleable shank riveted to blade. Comfortable gumwood handle, 5 inches long, with polished steel ferrule.

TB 100K—Weight per dozen 12 lbs.....Each \$0.45

One dozen in a carton.



PHILADELPHIA PATTERN

Heavy wrought steel blade smoothly polished. Natural

finish malleable shank—securely riveted to blade. Comfortable, shellacked wood handle 4¾ inches long with polished steel ferrule.

Blade 10x4¾ inches.

TB 33K—Weight per dozen 5¼ lbs.....Each \$0.25



PHILADELPHIA PATTERN

One-piece wrought steel blade and shank.

Smooth varnished hardwood handle, 4 inches long. Polished steel ferrule.

Blade 9x4¾ inches.

TB 23K—Weight per dozen 7½ lbs.....Each \$0.15

One dozen in a carton.

MARGIN TROWELS



MARSHALLTOWN

Small size for use in tight spots

Specially adapted for use in places where regular plasterers' trowels are too large.

Forged one-piece highest grade tool steel blade—tempered and polished for long, satisfactory service.

Smooth hardwood handle, 4¾ inches long—firmly mounted on straight shank, with polished steel ferrule

Blade 5x2 inches.

TB M52—Weight per dozen 4 lbs.....Each \$0.65

One-half dozen in a cardboard box.

BRICK CHISELS

MARSHALLTOWN



One-piece forged tool steel—hardened and tempered with sharp, polished cutting edge—single bevel, with offset. ¾ inch octagon, easy grip shank Length over all 7 inches. Oil finished.

Nos.	Each	Width		Wt. Per Doz., Lbs.
		Blade, In.	In.	
TB 54	\$0.89	3½		14½
TB 55	.89	4		15

One-half dozen in a carton.

POINTING TROWELS KEEN KUTTER



long—solidly mounted to prevent turning or twisting loose.

Perfectly balanced for easy handling—quick work.

Highest quality tool steel polished and etched blade. Strong, black lacquered steel shank. Heavy polished steel ferrule. Comfortable walnut stained handle, 4 1/2 inches

Nos.	Each	Length Blade, In.	Width Heel, In.	Wt. Per Doz., Lbs.
TB KP4 1/2	\$0.65	4 1/2	2 1/4	2 3/4
TB KP5	.65	5	2 1/2	3
TB KP5 1/2	.65	5 1/2	2 1/2	3 1/4



Best quality tool steel blade—polished and etched. Sturdy blue lacquered steel shank, with polished steel ferrule. Smooth beechwood handle, 4 inches long—firmly mounted to prevent turning or loosening. Well balanced.

Nos.	Each	Length Blade, In.	Width Heel, In.	Wt. Per Doz., Lbs.
TB KPT4 1/2	\$0.49	4 1/2	2 1/4	2 3/4
TB KPT5	.49	5	2 1/2	3
TB KPT5 1/2	.49	5 1/2	2 1/2	3 1/4

One-half dozen in a carton.



KLICKER

Sturdy one-piece wrought steel blade with shank shaped for strength.

Smooth varnished hardwood handle with polished steel ferrule—tightly mounted for longer service.

Blade 4 1/2 x 2 1/2 inches.

TB 25K—Weight per dozen 3 1/2 lbs. Each \$0.10

HOWARD

Well Built—Good Value

All steel blade tightly riveted to strong, natural finish malleable shank. Polished steel ferrule.

Smooth varnished hardwood handle, 4 1/2 inches long.

Blade 5 1/2 x 2 1/2 inches.

TB H15—Weight per dozen 3 lbs. Each \$0.15

One dozen in a carton.

BRICK JOINTERS

MARSHALLTOWN

Will finish brick joints in any size from 1/8 to 3/8 inch—both Concave and V joints. One end tapered to a round point—other end tapered to square point. Shaped for easy handling. Strongly made of forged tool steel—will not break. Full polished. Diameter at center 5/8 inch, length 8 inches.

TB 402—Weight per dozen 3 lbs. Each \$0.49

One dozen in a carton.

PLASTERERS' CORK FLOATS

MARSHALLTOWN Best Quality Durable



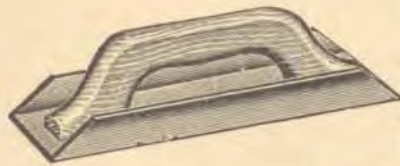
Selected cork face 3/4 inch thick—securely glued to strong redwood back 1/2 inch thick. Comfortable grip smooth wood handle tightly screwed onto block. Built for long service. Length 12 inches, width 5 inches, thickness 1 1/4 inches.

TB 41—Weight per dozen 14 lbs. Each \$1.35

Packing—bulk.

PLASTERERS' ALUMINUM ANGLE FLOATS

MARSHALLTOWN Light—Durable



Hard aluminum casting with smooth polished face and sides.

Comfortable grip hardwood handle firmly secured with

two countersunk head screws. Face 10 x 1/4 inches. Sides 3/8 inch high, with beveled ends.

TB 103—Weight per dozen 12 lbs. Each \$1.00

One-third dozen in a carton.

PLASTERERS' HAWKS

KEEN KUTTER—Aluminum

Light and Strong



Highest grade heavy rolled aluminum for maximum strength with minimum weight. Sand blast finished on top. Polished on under side. Sturdily

mounted flange and handle carriage—will not break off under load. Detachable black finish hardwood handle 5 inches long, with soft rubber callous preventers. Rust-proof throughout.

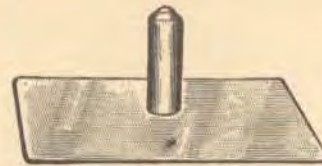
Size 13 1/2 x 13 1/2 inches.

TB K2—Weight per dozen 28 lbs. Each \$2.75

One-quarter dozen in a carton.

SANDS—ALUMINUM

Standard 12-gauge "San-Tex", special analysis aluminum plate—light weight with great tensile strength. Special—non-rusting phosphor bronze nut, for holding handle, securely locked to plate. Undercut scoring on face



of plate prevents mortar from slipping off.

Smooth, detachable wood handle, 5 x 1 1/2 inches, with rust-proof bolt for screwing to plate—bolt fluted to prevent turning.

Size 13 1/2 x 13 1/2 inches.

TB 521—Weight per dozen 27 lbs. Each \$2.25

One-third dozen in a box.

MAY'S—ALUMINUM



Plate of hard rolled 12-gauge aluminum, with aluminum flange 3/8 inch thick, 3 3/4 inches in diameter securely riveted to bot-

tom. Threaded bronze hub extends through flange—to firmly support detachable handle which is screwed on by bolt extending all the way through handle.

Polished finish, with circle scoring on face to prevent mortar from slipping off hawk. Complete with soft rubber pad which fits over handle and against flange—to protect hand. Natural finish hardwood handle 5 1/2 x 1 1/2 inches.

Size 13 1/2 x 13 1/2 inches.

TB M1350—Weight per dozen 24 lbs. Each \$1.75

One-half dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

Granitoid or Cement Tools

Exceptionally Good Values

- Full nickel-plated cast iron parts with smooth bur-nished faces.
- Comfortable, natural finish hardwood handles—firmly mounted for a steady grip.

JOINTERS

Both Ends Rounded

Makes cut 1/2 inch deep, 3/8 inch wide.



No.	TB 106
Length, In.	6
Width, In.	2 3/4
Height, In.	3
Handle, In.	3 3/4
Wt. per Doz., Lbs.	14
Each	\$0.45

One End Rounded

Makes cut 1/2 inch deep, 3/8 inch wide.



No.	TB 109
Length, In.	6
Width, In.	3
Height, In.	3
Handle, In.	3 3/4
Wt. per Doz., Lbs.	17
Each	\$0.45

DRIVEWAY GROOVERS

Both Ends Rounded

Makes cut 1/2 inch deep, 1/2 inch wide.



No.	TB 104
Length, In.	6
Width, In.	3
Height, In.	2 3/4
Handle, In.	4
Wt. per Doz., Lbs.	15
Each	\$0.45

EDGERS

Both Ends Rounded



Nos.	TB 100	TB 102
Length, In.	6	6
Width, In.	2 3/4	2 3/4
Height, In.	3	3 3/4
Turned Edge		
Depth, In.	5/8	7/8
Radius, In.	3/8	3/4
Handle, In.	3 3/4	3 3/4
Wt. per Doz., Lbs.		
Lbs.	14	18
Each	\$0.45	.49

Narrow—Both Ends Rounded



No.	TB 112
Length, In.	8
Width, In.	1 3/4
Height, In.	3 1/4
Turned Edge—	
Depth, In.	5/8
Radius, In.	3/8
Handle, In.	3 3/4
Wt. per Doz., Lbs.	15
Each	\$0.49

One-sixth dozen in a carton.

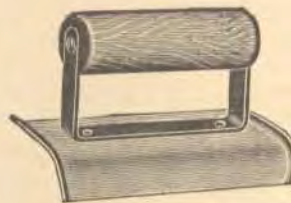
CEMENT EDGERS

MARSHALLTOWN—LIGHTWEIGHT, FINE QUALITY

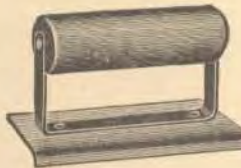
- Polished, strong steel blades with heavy flat steel handle mountings 3/4 inch wide securely riveted—sturdy durable.
- Comfortable black ebonized wood handles mortised and screwed to mountings so that they cannot turn or come loose.



Straight Ends	
No.	TB 35
Length, In.	5
Width, In.	3
Radius, In.	3/8
Wt. per Doz., Lbs.	7 1/2
Each	\$0.59



Curved Ends	
No.	TB 135
Length, In.	5
Width, In.	3
Radius, In.	3/8
Wt. per Doz., Lbs.	7 1/2
Each	\$0.59



Straight Ends	
No.	TB 155
Length, In.	5
Width, In.	2 3/4
Radius, In.	1/4
Wt. per Doz., Lbs.	7 1/4
Each	\$0.59



One End Straight One End Curved	
No.	TB 175
Length, In.	5
Width, In.	3
Radius, In.	3/8
Wt. per Doz., Lbs.	7 1/2
Each	\$0.59

One-half dozen in a carton.

CEMENT WORKERS' WOOD FLOATS



MARSHALLTOWN

Hard—Durable

Tough, clear, thoroughly seasoned wood — smoothly finished. Comfortable wood handle

securely screwed on.
Length 12 inches, width 5 inches, thickness 3/4 inch.

TB 44—Weight per dozen 13 lbs. Each \$0.45

One-third dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

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CHALK LINES



Illustrations Actual Size.

SOLID BRAIDED—Will Not Unravel or Sag

Pliable, soft white cotton lines—unusually strong and long wearing. Cannot untwist or unravel—braided solid with interlocking strands. When drawn taut will not stretch or sag. No splinters or coarse fibres to burn or scratch your hands. No knots or hard spots.

In Hanks of 48 Feet—12 Hanks Connected

Nos.	TB 3 1/2 S	TB 4 S	TB 4 1/2 S
Wt. per Doz. Hanks,			
Lbs.	1 1/2	3 1/2	4 1/4
Per Hank	\$0.23	.25	.29

One dozen hanks in a carton.

18 and 180



Illustration Actual Size.



PURE WHITE BLEACHED COTTON—Soft Laid

Soft, pliable, easily handled—but strong and sturdy—not easily frayed. No splinters, knots or hard spots.

Nos.	50-Foot	100-Foot
	Balls	Balls
Weight per Gross Balls, Lbs.	TB 18	TY 180
Per Ball	11.	20
	\$0.08	.10



Illustration Actual Size.

UNBLEACHED WHITE COTTON—Soft Laid

Good quality, stout line—not easily frayed. Soft and pliable. No splinters, knots or hard spots.

Nos.	50-Foot	100-Foot
	Balls	Balls
Weight per Gross Balls, Lbs.	TB 50	TB 100
Per Ball	9 3/4	12 3/4
	\$0.05	.10

One dozen balls in a carton.

MASONS' LINES



Illustration full size

YELLOW COTTON—HARD LAID

Good quality, stiff line—not easily frayed—limited stretch. Exceptionally long wearing.

In 100-foot hanks

TB 25—Weight per gross hanks 22 lbs...Per Hank \$0.15

One dozen hanks in a box.

CARPENTERS' CHALK



Convenient Shape—Non-Crumbling
Fine quality chalk, round cone shaped for easiest handling. Does not crumble as it is used, but wears down smoothly, leaving clear, distinct markings.

TB W—White	3 for \$0.05
TB B—Blue	3 for .05
TB R—Red	3 for .05

One-half gross in a box—5 gross in a case.

Weight per case 45 lbs.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

UTILITY LINES



Illustration Full Size Easily Handled—Strong Braided Line



Tightly braided long fibre white cotton—strong and extremely pliable. Easily looped and tied into secure knots Will not stretch.

Soft—no splinters, knots or hard spots to burn or scratch your hands.

Excellent for use on awnings, springless window shades, tiller rope on boats, or clothes lines.

In Hanks of 50 Feet—12 Hanks Connected

TB UL50—Weight per dozen hanks 3 1/2 lbs. Per Hank \$0.29

One dozen hanks in a carton.

STENCIL SETS

REESE'S PATENT ADJUSTABLE

Carefully stamped from sheet brass for long-lasting, satisfactory performance. Letters and figures made with beaded lock on edge—easily joined together for forming any word, name or address. Conveniently taken apart and distributed.



Showing Assembly

Alphabet, 33 Pieces, Complete in Boxes

Consists of 26 letters, 1 beginner, 1 ender, 1 period, 1 apostrophe, 1 comma, 1 blank and 1 &.

Nos.	Per Set	Size Letters, Inches	Weight Per Set, Ounces
TB RA1	\$1.09	1	7
TB RA1 1/2	1.49	1 1/2	8

One set in a box.

Figures, 15 Pieces, Complete in Boxes

Consists of 1 figure each Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 0; \$ mark, 1 cent mark, 1 period, 1 beginner, 1 ender.

Nos.	Per Set	Size Letters, Inches	Weight Per Set, Ounces
TB RF1	\$0.59	1	3 1/2
TB RF1 1/2	.69	1 1/2	4

One set in a box.

STEEL FIGURES AND LETTERS

Forged from special tool steel. Tempered. Natural finish.

STEEL FIGURES IN SETS



Nos.	Per Set	Size, Inches	Wt. Per Set, Lbs.
TB 1/8 F	\$1.09	1/8	5/8
TB 3/16 F	1.49	3/16	3/4
TB 1/4 F	1.79	1/4	1 1/8
TB 1/2 F	2.95	1/2	3

One set complete in a wood box.

STEEL ALPHABETS IN SETS



Nos.	Per Set	Size, Inches	Wt. Per Set, Lbs.
TB 1/8 A	\$2.98	1/8	1 3/8
TB 3/16 A	4.25	3/16	2 1/4
TB 1/4 A	5.45	1/4	3 1/4

One set complete in a wood box.

PLUMBS AND LEVELS

ALUMINUM

Reversible—will plumb with either end up or level with either edge up.

SIMMONS



Better value than is now offered on any comparable merchandise on the market.

Plumb and level glasses accurately and solidly set into frame—covered with protective glass windows to keep out dust and dirt and reinforced by metal rings in openings. All glasses clearly marked to show crowning points.

Die-cast aluminum alloy. Precision milled edges. Black enameled beveled metal rings in openings.

Length 24 inches. Width 2 1/4 inches. Thickness 1 1/8 inch.

Four Plumb and Two Level Glasses

TB SA624—Weight each 1 5/8 lbs. Each \$2.19

One in a cellophane envelope; six in a carton.

Accurately machined and trued frame. Curved spirit glasses with crowning points clearly marked. Spirit glasses protected by glass covers.

SAND'S STAR—Strongly built



Cast aluminum frame. Square ends. Top, bottom and ends attractively enameled red. Width 2 inches. Thickness 3/8 inch.

Four Plumb and Two Level Glasses

Nos.	Each	Length, Inches	Weight Per Doz., Lbs.
TB 5024	\$1.98	24	21
TB 5028	2.49	28	24

MAYES' STAY-RIGHT—Economical



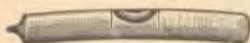
Cast aluminum frame. Top and bottom painted vermillion. Fully guaranteed by the maker. Width 2 1/4 inches.

Four Plumb and Two Level Glasses

Nos.	Each	Length, Inches	Thickness, Inches	Weight Per Doz., Lbs.
TB 12424	\$1.85	24	1	27
TB 12428	2.29	28	1 1/8	30

One in a carton.

LEVEL GLASSES



Proved level glasses ready for use in any standard make of level. Easily installed.

Nos.	Each	Length, Inches	Weight Per Dozen, Lbs.
TB 41 1/4	\$0.15	1 1/4	3 1/2
TB 41 1/2	.15	1 1/2	3 1/2
TB 41 3/4	.15	1 3/4	3 1/2
TB 42	.15	2	3 1/2
TB 42 1/2	.15	2 1/2	3 1/2
TB 43	.20	3	3 1/2
TB 43 1/2	.20	3 1/2	3 1/2
TB 4AS	....	1 3/4, 3, 3 1/2	3 1/2

One dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

WOOD

KEEN KUTTER

For Easy, Accurate Reading and Long Service

- Bubbles have cat's-eye effect, assure accurate, easy reading at all times—crowning points clearly marked.
- Warp-proof, one-piece best selected stocks with highly polished finish for added durability in all weather. Plumb and level glasses set solidly in frames—protected.
- Handy grooves on both sides give you a good grip on tool—less danger of dropping and breaking.



Simplex, Quick Adjustment

Cherry wood frame, mahogany stained. Cast brass tips and brass top plate. Side views.

Length 28 inches.

TB K328—Weight per dozen 44 lbs. Each \$2.85



Non-Adjustable

Cherry wood, mahogany stained. Brass top plate. Side views.

Nos.	Each	Length, Inches	Weight Per Doz., Lbs.
TB KO24	\$1.69	24	26
TB KO26	1.79	26	32
TB KO28	1.89	28	38
TB KO30	2.19	30	44



Non-Adjustable

Cherry wood, mahogany stained. Brass top plate. Side views.

Length 18 inches.

TB K10418—Weight per dozen 21 lbs. Each \$1.35

One-half dozen in a case.

SIMMONS

Outstanding quality at a popular price.



Reversible — will plumb with either end up or level with either edge up.

Plumb and level glasses accurately and solidly set into frame—covered with protective glass windows to keep out dust and dirt and reinforced by metal rings in openings. All glasses clearly marked to show crowning points. Finger grooves on sides give you a firm hold.

Selected Northern white pine. Thoroughly seasoned—tough and durable. Distinctively finished in dark walnut with orange enameled beveled metal rings in openings.

Length 24 inches. Width 2 3/4 inches. Thickness 1 1/8 inches.

Two Plumb and Two Level Glasses

TB SW24—Weight each 1 1/4 lbs. Each \$1.19

One in a cellophane envelope; six in a carton.

SAND'S



One-piece white pine frame — covered with red, waterproof paint—

will not warp. Spirit glasses wired at central or crowning points so that bubble can be quickly centered—covered with heavy glass which keeps out dust and dirt and makes them waterproof. Top sight. Double hand grips.

One Plumb and One Level Glass

Assorted Lengths 24 to 30 Inches

Width 2 1/2 inches. Thickness 1 1/4 inches.

TB 678—Weight per dozen 24 lbs. Each \$1.19

One-half dozen in a carton.

LEVELS HOUSEHOLD AND UTILITY



Good straight grained, thoroughly dried white pine—dependable and durable—stained dark walnut. Curved spirit glasses clearly marked to show crowning points and protected by sealing in with glass to keep out dust and dirt. Double hand grips. Hole for hanging.

Length 24 inches. Width 2½ inches. Thickness 1¼ inches.

One Plumb and One Level Glass

TB 24—Weight per dozen 15 lbs. Each \$0.59

One in a carton—one dozen in a package.



One-piece California sugar pine, dark walnut stained finish, with openings neatly

beveled and enameled white. Glasses protected on both sides by heavy lenses, making them dirt and waterproof. Hole for hanging.

Length 18 inches. Width 2¼ inches. Thickness 1¼ inches.

One Plumb and One Level Glass

TB 225—Weight per dozen 10 lbs. Each \$0.39

One dozen in a carton.



Genuine California sugar pine, dark cherry finish. Cat's eye level glass with top view. Solid brass top plate secured by two brass escutcheon pins.

Length 12 inches. Width 1⅞ inches. Thickness ⅞ inch.

One Level Glass

TB 900—Weight per dozen 4 lbs. Each \$0.10

Two dozen in a package.

TORPEDO LEVELS

POCKET TYPE

Convenient—Handy—Accurate and Durable

For use by carpenters, machinists, electricians, plumbers, millwrights, and others working in cramped and out-of-the-way places. Ideal for carrying in pocket.

SIMMONS



Sturdy aluminum alloy frame. Patented construction. Smooth, grooved finish for easy handling.

Three glasses—one level, one plumb and one 45°, all filled with plain fluid and clearly marked to show crowning points. Dead black finish with polished top plate.

Length 8¼ inches. Width 1½ inches. Thickness ½-inch.

TB STA45—Weight each ¼-lb. Each \$1.10

One in a cellophane envelope. Six in a carton.



Open Type

Cast aluminum frame. One level glass with amber color fluid. Easy reading.

Length 5¾ inches. Width 1⅞-inch. Thickness ⅞-inch.

TB S625A—Weight each 1½ lbs. Each \$0.25

One dozen in a carton.

EMPIRE



Aluminum alloy frame. Patented construction. Grooved bottom. Three

glasses—one level, one plumb and one 45°, all filled with plain level fluid.

Length 8¼ inches. Width 1½ inches. Thickness ½-inch.

TB 27E—Weight per dozen 2½ lbs. Each \$1.10

One-half dozen in an attractive counter display box.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

MACHINISTS' LEVELS

STANLEY

Extra Sensitive



Accurately milled and grooved bottom makes this level especially

practical for machinists, especially for leveling shaftings, pipes, etc.

Specially constructed light iron castings, milled and wet-ground to make absolutely parallel surfaces. Adjustable ground glasses. Extra long and large in diameter for sensitiveness and accuracy. "Eclipse" covers—an outer tube over the glasses—can be turned either to completely cover glasses or expose them for use.

Grooved Bottom

Nickel plated—Length 10 inches.

TB 34V10—Weight per dozen 16 lbs. Each \$4.45

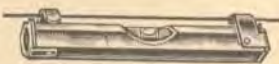
One in a carton.

LINE AND SURFACE LEVELS

SAND'S

Quick Acting, Easy Reading

- For contractors, carpenters, plumbers, machinists, road builders and others requiring an accurate level for surface and line leveling. It is easily and quickly attached to line. The reverse hook construction prevents accidental detachment. Straight, trued bottoms for surface leveling. Proved level glasses with "cat's eye" yellow fluid—easy to see and quick acting.



Sturdy hexagon shape, ⅝-inch hard drawn aluminum tube with nickel silver end pieces and hooks riveted on. Will stand hard usage. Length 3¾ inches.

TB 555—Weight per dozen ½-lb. Each \$0.49

One in an individual carton; one dozen in a display box.



Durable two-piece aluminum frame with hooks turned out of sides. Sides securely fastened together.

Length 3 inches. Height ¾-inch. Width ½-inch.

TB 100SL—Weight per dozen ⅝-lb. Each \$0.39

One in an individual box; one dozen in a carton.

POCKET LEVELS

STANLEY

Economical and Handy



Can be attached to any straight edge or carpenter's square. Proved glass. Japanned cast iron frame with brass top plate. Steel set screws. Length 3¾ inches.

TB 41—Weight per dozen 1¾ lbs. Each \$0.35

One dozen in a carton.

The Modern Kitchen is
Right up to the Minute
with a New **SIMMONS**
Wickless Oil Range.

LEVEL ASSORTMENTS

EMPIRE



TY 600

Twelve Popular Levels With Free Rack

Each assortment complete with: Free metal rack which holds eight of the twelve levels, window transfer, gold letter sign and yellow and green streamers. With this advertising material you can build yourself a display that will attract widespread favorable attention.

Assortment consists of two each Nos. TB 12, TY 666, TB 200 and TY 38 and one each of other numbers.

TB 100—Complete assortment. Weight each 18 lbs.

Packed one in a carton.

Proved, accurately set level glasses. Straight and true frames—distinctively finished.

Plumb and level. Pine frame, green lacquered finish. Aluminum top plate. Length 12 inches. Width 1 3/4 inches. Thickness 3/4 inch.

TB 12E—Weight each 1/2 lb. Each \$0.35

Six in a box.

Plumb and level. Solid American walnut frame, lacquered natural. Brass top plate. Length 16 inches. Width 2 inches. Thickness 5/8 inch.

TB 666—Weight each 3/4 lb. Each \$0.59

Plumb and level. Pine frame, red enameled finish. Aluminum top plate. Length 24 inches. Width 2 3/8 inches. Thickness 1 1/4 inches.

TB 200—Weight each 1 1/2 lbs. Each \$0.98

Exceptional Value.

Four plumb and two level glasses. Strong die-cast aluminum alloy frame with precision milled edges. Solid set glasses, covered by protecting windows. Paint eliminated from edges to maintain absolute accuracy. Black trim. Length 24 inches.

TY 156—Weight each 1 3/4 lbs. Each \$2.19

Two plumb and two level glasses. Pine frame, red enameled. Lacquered metal trim. Vial glasses set solid and carefully marked. Sight openings painted white and covered with protecting glasses. Double hand grips. Length 24 inches. Width 2 3/8 inches. Thickness 1 1/4 inches.

TB 38—Weight each 1 1/4 lbs. Each \$1.19

Two plumb, two level and two 45° glasses. Strong cast aluminum alloy frame with polished edges, precision machined parallel and straight. Interchangeable vials for quick repairs. Length 24 inches. Width 2 1/8 inches. Thickness 1 3/8 inches.

TB 151—Weight each 2 lbs. Each \$4.45

Four plumb and two level glasses. Finest American walnut frame, natural finish. Lacquered metal trim. Double hand grips. Length 28 inches.

TB 47—Weight each 2 lbs. Each \$2.49

Masons'—four plumb and two level glasses. Pine frame, red enameled with lacquered metal trim. High and low plumb readings. Double hand grips. Length 48 inches. Width 2 3/4 inches. Thickness 1 1/2 inches.

TB 600—Weight each 1 3/4 lbs. Each \$2.59

One in a box.

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PLUMBS AND LEVELS

MASON'S
SIMMONS

Better value than is now offered on any comparable merchandise now on the market.



Reversible—will plumb with either end up or level with either edge up . . . handy and convenient because tool is always in a position for easy reading.

- Plumb and level glasses accurately and solidly set into frame—covered with protective glass windows to keep out dust and dirt and reinforced by metal rings in openings. All glasses clearly marked to show crowning points. Finger grooves on sides give you a firm hold. Selected Northern white pine. Thoroughly seasoned—tough and durable. Distinctively finished in dark walnut with orange enameled beveled metal rings in openings.

Length 48 inches. Width 2 3/8 inches. Thickness 1 1/4 inches.

Four Plumb and Two Level Glasses

TB S48MW—Weight each 2 lbs. Each \$2.59

One in a cellophane envelope; six in a carton.

SAND'S

Convenient to Use, Accurate, Durable

One-piece warpproof frame of carefully selected, thoroughly air dried white pine. Levels accurately set. Handsome, red enameled finish.



- Reversible—will plumb with either end up or level with either edge up . . . handy and convenient because tool is always in a position for easy reading. Duplicate plumb glasses—one at top, one just below center and both reading same way—add to convenience. For low work, upper glass is used—for overhead work, lower glass is in range. Two hand holds for easy grip on tool. Length 48 inches. Width 3 inches. Thickness 1 3/8 inches.

Four Plumb and Two Level Glasses

TB 3A—Unbound. Weight per dozen 31 lbs. Each \$3.75

TB 7—Full brass bound for added durability. Weight per dozen 43 lbs. Each 5.75



Either edge can be used for level. Two side views, bob hole, one hand hold and scribe.

Length 48 inches. Width 3 1/2 inches. Thickness 1 3/8 inches.

Two Plumb and Two Center Level Glasses

TB 1A—Weight per dozen 36 lbs. Each \$2.95

Wrapped in oil paper. One-half dozen in a cardboard box.

EMPIRE



Sturdily Constructed—Accurate

Solid Honduras mahogany frame with natural finish waterproof varnish. The proved level and plumb glasses are glass covered to keep out dirt and moisture—black metal trimmings add to strength and attractiveness. Two handy grips and hole for hanging.

Length 48 inches. Width 2 3/8 inches. Thickness 1 1/2 inches.

Four Plumb and Two Level Glasses

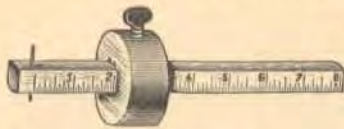
TB 58E—Weight per dozen 32 lbs. Each \$4.85

One-half dozen in a case.

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KEEN KUTTER MARKING GAUGES



Oval shape, plain finish, bar 8 inches long—graduated in inches and 16ths. Solid beechwood head. Brass shoe, steel thumb screw. Adjustable steel point.

TB K10—Weight per dozen 4 lbs.....Each \$0.35

One dozen in a carton.



STANLEY

Durable—Convenient

Nickel plated. Double-faced head carefully machined. Bar 6½ inches long—graduated in 16ths of an inch for especially adapted for marking across the grain. Adjustable tempered points.

TB 97—Weight per dozen 6 lbs.....Each \$1.45

One in a carton.

BUTT GAUGES



STANLEY

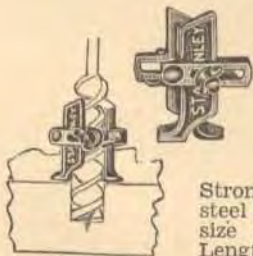
For Quick, Accurate Measurements

Two bars—one has two steel cutters so arranged that when cutter at outer end of bar is set for gauging on edge of door, cutter on inner end is in position for gauging from back of jamb. Other bar has steel cutter to accurately gauge for thickness of butt. Sturdy nickel plated cast iron frame—steel bars and set screws—tempered steel points. Graduated for 2 inches. Length 3 inches.

TB 95—Weight per dozen 9 lbs.....Each \$1.95

One in a carton.

ADJUSTABLE BIT GAUGES



STANLEY

Stops Bit at Depth You Want—Without Breaking It

Stop on both sides of bit holds it upright when proper depth is reached. Permits boring any number of holes accurately to same depth.

Strong nickel plated cast iron frame—steel set screws. Adjustable to fit any size bit up to 1 inch in diameter. Length 2½ inches.

TB 49—Weight per dozen 4½ lbs.....Each \$0.95

One in a carton.

SHINGLE GAUGES



When attached to a hatchet blade it affords a convenient means of measuring or gauging lap of shingles, etc. Suitable for use with all thin blade shingling hatchets.

Polished steel ¾-inch in diameter, ⅛-inch thick—with slot ⅜-inch wide and ½-inch deep. Slotted round head set screw.

TB 40—Weight per dozen ¾ lb.....Each \$0.19

One dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SLIDING T BEVELS



Smooth-operating locking device holds blade at desired angle. Blued finish steel blade—attractive, durable. Natural finish rosewood handle—brass-plated tips. Blued steel joint screw. Brass-plated lever nut.

Nos.	Each	Length Blade, Inches	Wt. Per Doz., Lbs.
TB 4256	\$0.55	6	2½
TB 4258	.59	8	3¼
TB 42510	.69	10	4¼

One-half dozen in a carton.

COMBINATION SQUARES

• Especially handy for carpenters and other craftsmen.

SIMMONS LEADER

With Level and Scriber



Good quality at a low price. Well built to provide reliable performance.

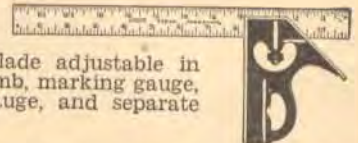
Bright finish steel blade 12 inches long. Graduated on edges of both sides—one side in 3ths, the other in 16ths inch. Enameled steel head with square and mitre faces slides in groove of face and can be secured by thumb nut. Head is removable so blade can be used separately.

TB SS4—Weight each 13 ozs.

Std. List, Each \$0.99.....Each \$0.99

LUFKIN'S UNIVERSAL TRY AND MITRE—WITH LEVEL

• Combines in one tool a try and mitre square with blade adjustable in length. Has level, plumb, marking gauge, height and depth gauge, and separate rule.



High quality steel blade, clearly marked on both edges of both sides, one side in eighths, other side in sixteenths. Enameled steel head with square and mitre faces, slides smoothly in groove of blade and can be firmly secured at any point along blade with easy-acting thumb nut. Head is removable so blade may be used separately.

Accurate Level Fitted in Head

Nos.	Per Dozen	Length Blade, Inches	Width, Inches	Wt. Per Dozen, Lbs.
TB 65L9	\$1.79	9	1	9
TB 65L12	1.98	12	1	13½

PIONEER—WITH LEVEL



Popular - priced. Precision - built to give smooth action... long, satisfactory service. Excellent depth and marking gauge. Accurate

level in head.

Steel blade 12 inches long, 1 inch wide. Graduated on both sides in 8ths and 16ths inch. Large, clear figures and lines. Head 4 inches long. Red enameled head or stock may be secured at any point on blade by knurled head screw. Removable blade.

TB P12—Weight per dozen 11 lbs.....Each \$0.98

One in a carton.

STEEL SQUARES

KEEN CUTTER

- One-piece, weldless, highest grade tool steel. Hardened corners. Easy to read—accurately cut figures and lines are filled with white enamel . . . can be read without difficulty even where light is poor.



FRAMING

Dark fire blued and lacquered finish prevents blinding effect of light.

Assorted tongues 16 and 18 inches long, 1½ inches wide. Body 24 inches long, 2 inches wide.

Graduated in 1, ½, ¼, ⅛, ⅙ and ⅒ inch, with Board and Brace measures.

TB KF3—Weight per dozen
30 lbs. Each \$1.89

Graduated in 1, ½, ¼, ⅛, ⅙, ⅒, ⅓ and ⅔ inch, with hundredth scale and Brace, octagon and Essex Board measures.

TB KF100—Weight per dozen
30 lbs. Each \$2.19



FRAMING

Fine Coppered Finish

Assorted tongues 16 and 18 inches long, 1½ inches wide. Body 24 inches long, 2 inches wide.

Graduated in 1, ½, ¼, ⅛ and ⅙ inch, with Board and Brace measures.

TB KC3—Weight per dozen
30 lbs. Each \$2.19

Graduated in 1, ½, ¼, ⅛, ⅙, ⅒, ⅓ and ⅔ inch, with hundredth scale and Brace, octagon and Essex Board measures.

TB KC100—Weight per dozen
30 lbs. Each \$2.19



FRAMING

Dark fire blued and lacquered finish prevents blinding effect of light.

Tongue 12 inches long, 1 inch wide. Body 18 inches long, 1½ inches wide. Graduated in 1, ½, ¼, ⅛ and ⅙ inch with Board and Brace measures.

TB K18—Weight per dozen
15 lbs. Each \$1.69

One-quarter dozen in a carton.

Illustrated pamphlet, describing use, accompanies each square.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.



SIMMONS LEADER

STANDARD—FRAMING

Flat steel, polished. Distinct figures are easy to read Provides accurate measurements.

Tongue 16 inches long, 1½ inches wide. Body 24 inches long, 2 inches wide.

Graduated in ⅛ and ¼ inch with board and brace measures.

TB SS2—Weight per carton (3) 7¼ lbs.
Std. List, Each \$1.10 Each \$1.10

Three in a carton.



KLICHER

- One-piece weldless polished steel for long, satisfactory service. Clear, distinct markings are easily read. Accurate, reliable graduations.

Tongue 16 inches long, 1½ inches wide. Body 24 inches long, 2 inches wide. Graduated in 1, ½, ¼ and ⅛ inch, with Essex Board measures.

TB 14K—Weight per dozen
29 lbs. Each \$1.29



EAGLE FRAMING

One-piece, weldless, polished steel. Clear, plain cut markings.

Assorted tongues 16 and 18 inches long, 1½ inches wide. Body 24 inches long, 2 inches wide. Graduated in 1, ½, ¼, ⅛, ⅙ and ⅒ inch, with Board and Brace measures.

TB F3—Weight per dozen
30 lbs. Each \$1.59



Accurate and serviceable, cold rolled steel. Figures and graduations stamped.

Tongue 16 inches long, 1½ inches wide. Body 24 inches long, 2 inches wide. Graduated in 1, ½, ¼ and ⅛ inch, with Essex Board measures.

TB 414—Weight per dozen
29 lbs. Each \$0.98

One-quarter dozen in a carton.

STEEL SQUARES



SIMMONS LEADER STANDARD

Flat steel, polished. Distinct figures are easy to read. Provides accurate measurements. Tongue 12 inches long, 1½ inches wide. Body 24 inches, 2 inches wide. Graduated in ½ and ¼ inch scales on both sides.
TB SSI—Weight per carton (3) 5½ lbs.
 Std. List, Each \$0.59.....Each \$0.59

FOR HOUSEHOLD USE

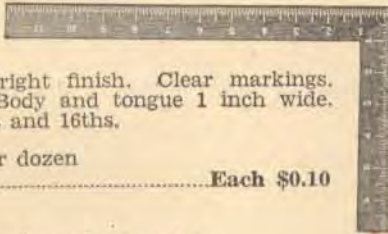


KLICKER

Steel blade, not tempered. Clear-cut markings. Tongue 12 inches long, 1½ inches wide. Body 24 inches long, 2 inches wide. Graduated in 1, ½, ¼ and ⅛ inch on both sides.
TY 800K—Weight per dozen
 21 lbs.Each \$0.69

One-half dozen in a carton.

A remarkably low-priced, long-service square.



One-piece steel. Bright finish. Clear markings. Size 7x12 inches. Body and tongue 1 inch wide. Graduated in inches and 16ths.

TB 127—Weight per dozen
 4¼ lbs.Each \$0.10

One dozen in a carton.

Illustrated pamphlet, describing use, accompanies each square.

Heat Your Home With a

SIMMONS

CIRCULATING OIL HEATER

Clean, Easy to Tend,

Economical to Operate.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

TRY SQUARES

SIMMONS LEADER

Good quality at a low price.



Blued steel blade—withstands hard usage. Graduated in inches and 8ths inch.

Accurately graduated markings easily read.

Rosewood handle. Brass trim. Handle securely riveted to blade. Blade 7½ inches long

TB SSS—Weight per carton (3) 1¼ lbs.
 Std. List, Each \$0.59.....Each \$0.59

Three in a carton.



Blued finish steel blade—long-wearing. Graduated in inches and 8ths inch. Stamped figures and lines are easy to read.

Natural finish rosewood handle—brass plate securely fastened to inside edge with brass-plated screw. Handle riveted through blade with three iron rivets.

Nos.	Each	Length Blade, Inches	Width Blade, Inches	Length Handle, Inches	Wt. Per Doz., Lbs.
TB 426	\$0.59	6	1⅞	4½	4¼
TB 427½	.65	7½	1½	5½	5¾

One-half dozen in a carton.

TRY AND MITRE SQUARES

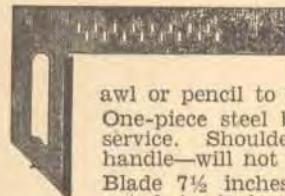


Blued steel blade. Graduated in inches and 8ths inch. Figures and lines stamped plainly. Natural finish rosewood handle—has

brass plate on beveled portion of both sides and on inside edge, fastened with brass-plated screws. Handle riveted through blade with three iron rivets.

Nos.	Each	Length Blade, Inches	Width Blade, Inches	Length Handle, Inches	Wt. Per Doz., Lbs.
TB 4026	\$0.79	6	1⅞	4½	4¼
TB 4027½	.89	7½	1½	5½	5¾

With Scribing Blade



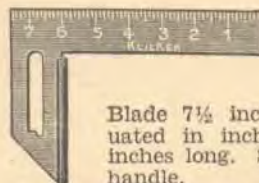
Blade has slots spaced ¼ inch apart—user may easily insert awl or pencil to draw straight line.

One-piece steel blade and handle—long-lasting service. Shoulder firmly riveted to inside of handle—will not become loose.

Blade 7½ inches long, 1¼ inches wide, graduated in inches and 8ths inch. Handle 3¼ inches long.

TB 64—Weight per dozen 3¼ lbs.....Each \$0.15

One dozen in a carton.



KLICKER

Polished steel blade—durable, unbreakable.

Blade 7½ inches long, 1¼ inches wide, graduated in inches and 8ths inch. Handle 3¼ inches long. Steel shoulder securely riveted on handle.

TB 62K—Weight per dozen 6 lbs.....Each \$0.10

One dozen in a carton.

KEEN KUTTER BOXWOOD RULES

- **Long-lasting construction.** Made of selected finest quality boxwood, thoroughly seasoned . . . finely finished. Polished brass trimmings.
- **Easy reading.** Clear-cut Gothic figures and distinct lines in black. Accurately graduated on both sides.



Two-foot, four-fold; full bound; 1 inch wide folded.

Square joint. Graduated in 8ths, 10ths, 12ths and 16ths inch, and drafting scales. A most durable, practical and popular rule.

TB K620—Weight per dozen 2¼ lbs. Each \$1.10

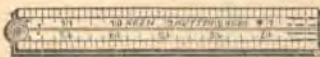


Two-foot, four-fold; unbound; 1 inch wide folded.

Square joint. Middle plates. Graduated in 8ths and 16ths inch.

TB K610—Weight per dozen 1½ lbs. Each \$0.49

One-half dozen in a carton.



Two-foot, four-fold; unbound; 1 inch wide folded.

Round joint. Middle plates. Heavy black figures. Graduated in 8ths and 16ths inch.

TB K680—Weight per dozen 1½ lbs. Each \$0.19

One dozen in a carton.



Three-foot, four-fold; unbound; 1 inch wide folded.

Arch joint. Middle plates. Graduated in 8ths and 16ths inch.

TB K660½—Weight per dozen 2 lbs. Each \$0.69

One-half dozen in a carton.

- **Distinctive feature.** A small rivet with countersunk center is inserted at 1-inch mark . . . for convenience in setting compass and divider. One point of compass or divider may be placed in center—other point extended desired distance on rule. This major feature (on all except K680) insures absolute accuracy in setting compass or divider—prevents marring rule.

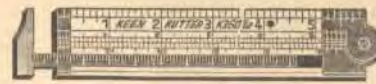
CALIPER



One-foot, four-fold; 1 inch wide folded.

Arch joint. Edge plates. Both rule and caliper graduated in 8ths, 10ths, 12ths and 16ths inch.

TB K320—Weight per dozen 1¼ lbs. Each \$1.10



One-foot, two-fold; unbound; 1½ inches wide folded.

Square joint. Both rule and caliper graduated in 8ths, 10ths, 12ths and 16ths inch.

TB K360½—Weight per dozen 1¾ lb. Each \$1.00



Six-inch, two-fold; unbound; ¾ inch wide folded.

Square joint. Both rule and caliper graduated in 8ths 10ths 12ths and 16ths inch.

TB K360—Weight per dozen 1 lb. Each \$0.75

One-half dozen in a carton.

STANLEY

Selected boxwood. Polished brass trimmings. Black lines and figures. Graduations on both sides.



Three-foot, four-fold; 1 inch wide folded.

Arch joint. Middle plates. Graduated in inches, 8ths and 16ths inch.

TB 66½—Weight per dozen 2 lbs. Each \$0.65

One-half dozen in a carton.

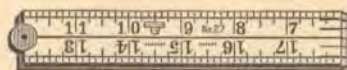


Two-foot, four-fold; 1 inch wide folded.

Round joint. Middle plates. Graduated in inches, 8ths and 16ths inch.

TR 68—Weight per dozen 1½ lbs. Each \$0.15

One dozen in a carton.

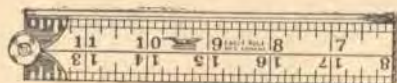


STANLEY

Two-foot, four-fold; 1 inch wide folded.

Brass joints and tips. Round joint. Middle plates. Black figures and lines. Graduated on both sides in inches, 8ths and 16ths inch.

TR 27—Weight per dozen 1½ lbs. Each \$0.10



EAGLE

A well-constructed rule at a remarkably low price.

Two-foot, four-fold; 1 inch wide folded.

Smoothly finished white maple. Lacquered plain steel arch joints and middle plates. Graduated in inches, 8ths and 16ths inch.

TY 22S—Weight per dozen 1½ lbs. Each \$0.10

One dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

FOLDING RULES

KEEN KUTTER

- Finest grade flexible selected hardwood, beautifully enameled.
- Large, clear-cut black figures and lines—easy to read.
- Wear plates fastened to flat surface of each section, prevent wearing away figures and lines with opening or closing rule.
- Stiff springs at joints—open rule always rigid.



OUTSIDE MARKING

Solid spring brass lock joints hold rule rigid for accurate gauging.

Solid brass side plates and wear plates. Graduated in inches and 16ths inch, both sides, both sides. Length folded 7 $\frac{1}{2}$ inches, width $\frac{1}{2}$ inch.

6-Foot—12-Fold
White Enameled

TB K406—Weight per dozen 3 lbs.....Each \$0.59



INSIDE MARKING

Permits laying rule flat on the work. Concealed steel rivets. Steel joints. Brass tips.

Graduated in inches and 16th inch. Length folded 7 $\frac{1}{2}$ inches. Width $\frac{1}{2}$ inch.

6-Foot—12-Fold
White Enameled

TB K506—Weight per dozen 3 lbs.....Each \$0.59

SIMMONS SPECIAL

- Large, distinct plain black figures. Strong, stiff spring joints.



INSIDE MARKING

Permits laying rule flat on the work.

Flexible selected hardwood. Graduated in inches and 16ths inch. Length folded 7 $\frac{1}{2}$ inches. Width $\frac{1}{2}$ inch.

Graduated in inches and 16ths inch. Length folded 7 $\frac{1}{2}$ inches. Width $\frac{1}{2}$ inch.

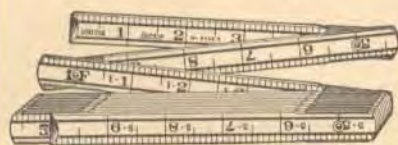
6-Foot—12-Fold

White Enameled—Orange Colored Ends

TB S29IS—Weight per dozen 3 lbs.....Each \$0.39

LUFKIN

For Engineers, Surveyors and Road Builders



Flexible hardwood. Patented lock joints. Brass plated mountings. Black figures and lines.

Graduated in feet, inches, 8ths and 16ths inch on outside; feet, 10ths and 100ths of foot on inside. (Foot numbers in red, repeated at each 10th and each inch.) Length folded 7 $\frac{1}{2}$ inches. Width $\frac{1}{2}$ -inch.

6-Foot—12-Fold
White Enameled

TB 9626D—Weight per dozen 3 lbs.....Each \$0.50

One-half dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

LUFKIN



OUTSIDE MARKING ALUMINUM

Special hard aluminum—rust-proof. Solid brass spring joints.

riveted type. Figures and lines sunk and filled black. Graduated in inches and 16ths-inch on both sides. Length folded 7 $\frac{1}{2}$ inches. Width $\frac{1}{2}$ inch.

6-Foot—12-Fold

Natural Aluminum Finish

TY 1206—Weight per dozen 4 lbs.....Each \$1.10

One-quarter dozen in a carton.



EXTENSION INSIDE AND REGULAR MEASUREMENTS

- Ideal for taking inside measurements of openings. Rule is more rigid than ordinary types. Patented lock in joints reduce the play. Six-inch graduated slide fitted in first section—runs in T slot. Stop at each end prevents slide being lost. Strike plates on both sides of each section prevent wear on markings in opening and closing. Extra-weight sections.

Selected hard maple. Black figures and lines. Brass slide and strike plates. Brass end caps, flush inlaid and riveted. Secure, smooth-working brass-plated spring joints, riveted.

Graduated in inches and 16ths inch both sides. Extension slide graduated in inches and 16ths inch. Length folded 8 inches. Width $\frac{1}{2}$ inch.

6-Foot—12-Fold

Natural Maple Finish

TB X46—Weight per dozen 4 $\frac{1}{2}$ lbs.....Each \$1.00



RED END

- Patented concealed lock joints hold rule rigid for accurate gauging. Clear black figures and lines.

Finest grade flexible hardwood with durable enamel finish and red ends. Solid brass mountings. Brass capped ends. Brass strike plates between joints prevent wear on markings.

OUTSIDE MARKING

Graduated in inches and 16ths inch, both edges of both sides. Length folded 7 $\frac{1}{2}$ inches. Width $\frac{1}{2}$ -inch.

6-Foot—12-Fold

TB 056—Cream enameledEach \$0.59

TB 066—White enameledEach .59

Weight per dozen 3 $\frac{1}{2}$ lbs.



INSIDE MARKING

Permits laying rule flat on the work.

Graduated in inches and 16ths inch, both edges of both sides. Numbering begins on inside face. Length folded 7 $\frac{1}{2}$ inches. Width $\frac{1}{2}$ -inch.

6-Foot—12-Fold

White Enameled

TB 066F—Weight per dozen 3 $\frac{1}{2}$ lbs.....Each \$0.59

One-half dozen in a carton.

FOLDING RULES

STANLEY

Stiff springs at joints hold rule rigid when open. Rivet passes completely through joints. Clear black figures and lines—easy to read.



DUPLEX Vertical—Reading

GREEN END

This rule can be read with equal ease in any position. The vertical figures enable

user to read it up or down, right or left without reversing or turning it over. The graduations on both edges of rule assure more accurate and convenient measuring and checking.

Stiff springs at joints hold rule rigid when open. Rivet passes completely through joints. Clear black figures and lines—easy to read.

Selected straight grain rock maple. Stainless, rust-proof concealed joints, tips and strike plates.

Graduated in inches and 16ths inch. Length folded 7% inches. Width 5/8-inch.

6-Foot—12-Fold—White Enameled

TB 266—Weight per dozen 3 lbs.....Each \$0.65



OUTSIDE MARKING GREEN END

Stiff springs at joints hold rule rigid when open. Rivet passes completely through joints. Clear black figures and lines—easy to read.

Flexible hardwood. Stainless, rust-proof concealed joints, tips and strike plates.

Graduated in inches and 16ths inch. Length folded 7% inches. Width 5/8-inch.

6-Foot—12-Fold—White Enameled

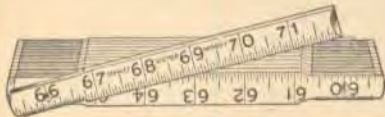
TB 106Z—Weight per dozen 3 lbs.....Each \$0.65

STANLEY VICTOR

Flexible hardwood. Brass plated steel joints and tips.

Stiff springs at joints hold rule rigid when open. Rivet passes completely through joints. Clear black figures and lines—easy to read.

Graduated in inches and 16ths inch both sides of lower edge. Length folded 7% inches. Width 5/8-inch.



INSIDE MARKING

Permits laying rule flat on the work.

6-Foot—12-Fold—White Enameled

TB 856F—Weight per dozen 3 lbs.....Each \$0.49



OUTSIDE MARKING

6-Foot—12-Fold

TB 806—Yellow enameledEach \$0.45

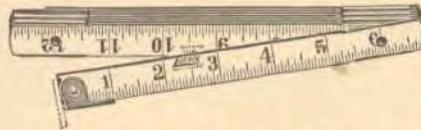
TB 856—White enameledEach .49

Weight per dozen 3 lbs.
One-half dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

FOLDING RULES

LUFKIN



SPRING JOINT

• Small but sturdy folding brass hook fitted to first joint

—may be opened for taking measurements beyond arm's reach . . . or any other measurements. Hook remains flush with edge of rule when not in use.

Flexible hardwood. Black figures and lines. Brass joints, tips and hook. Rivets pass completely through joints. Stiff springs at joints hold rule rigid when open.

Graduated in inches and 16ths inch on both sides. Length folded 7% inches. Width 5/8 inch.

6-Foot—12-Fold

Cream Enameled

TB H8526—Weight per dozen 3 lbs.....Each \$0.49

One-half dozen in a carton.



GOOD QUALITY FLEXIBLE HARDWOOD

Black figures and lines. Steel joints and brass tips.

Graduated in inches and 16ths inch. Length folded 7% inches. Width 5/8-inch.

6-Foot—12-Fold

TY 96—White enameledEach \$0.19

TB 450—Yellow enameledEach .19

One dozen in a carton.

BRICK MASON'S SPACING RULES



STANLEY FOLDING

One side of this rule provides a compact, accurate and convenient means for gauging the space of brick courses evenly in a given height to insure uniform thickness of mortar. The figures on this side are 1, 2, 3, etc., indicating different spacing scales of which there are 10 in all. This side does away with course sticks and is a time-saver in laying out story pole.

The other side is graduated in the customary way—inches, 8ths, and 16ths, for regular work. The numerals are vertical instead of horizontal.

Flexible hardwood. Black, clean cut and accurate figures and graduations. Rustproof and stainless solid nickel silver concealed joints, tips and strike plates. Length folded 7% inches. Width 5/8 inch.

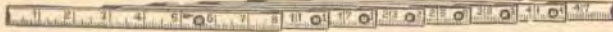
WHITE ENAMELED—Green Ends

6-Foot—12-Fold

TB 167—Weight per dozen 3 lbs.....Each \$0.60

One-half dozen in a carton, with complete directions packed with each rule.

MASTER SLIDE RULES



ENAMELED YELLOW

Designed principally for taking inside measurements of doors, windows, boilers, furnaces and similar objects, with minimum effort.

Joints 8 inches long. Lower joint so marked that when a space of more than 8 inches is to be measured, to get exact measurement merely pull out lower joint. Example: if lower joint is pulled out 2½ inches, measurement is 10½ inches.

Select boxwood rule ½ inch wide. Brass plated tips. Concealed steel springs hold rule rigid when opened. Top side of rule marked for inside measurements. Reverse side graduated in inches, 8ths and 16ths, same as ordinary rules.

Six Feet—12 Slides

TB 16—Weight per dozen 2 lbs.....Each \$1.25

One-half dozen in a carton.

LUFKIN LOG RULES



Finest selected hickory. Clear figures burned in. Tempered and polished steel heads brazed to brass shoulders attached to rule with heavy rivets.

Square head 1½ inches wide. Combined Doyle and Scribner scale, 3 tier.

Figured 36 inches. Measures lengths 8 to 20 feet.

Length over all 42 inches.

TB 2500—Weight per dozen 12 lbs.....Each \$3.75

Packing—bulk.

The combined Doyle and Scribner scale log rule uses Doyle figures up to 28-inch diameter, and Scribner figures from 29 inches upward.

LUFKIN FOLDING LOG RULES



For scaling logs and common measuring.

Cream color enameled hardwood rule 4 feet long. Folds in 6-

inch sections ⅝ inch wide. Brass-plated mountings. Concealed spring joints hold rule rigid when opened. End fitted with folding metal hook.

Doyle log scale. Marked outside for 10- and 18-foot logs— inches to 16ths on lower edge. Marked inside for 12-, 14- and 16-foot logs.

TB 524—Weight per dozen 2 lbs.....Each \$0.50

One-half dozen in a carton.

LUFKIN YARD STICKS



Selected, polished maple rule 1x¼ inches. Clear black figures and lines. Brass capped. Graduated in inches and 8ths on one side and fractions of a yard on other. Marked both sides reading from same end.

TB 41—Weight per dozen 3 lbs.....Each \$0.60

One dozen in a package.

* Goods marked thus (*) are not carried in stock and can only be furnished by shipment direct from factory. Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

*TAPE LINE AND PLUMB BOB

OIL GAUGERS

LUFKIN

Designed especially for tank gauging. Bob weighs 20 ounces, capable of penetrating heavy oils—assures true measurement of depth.



Nickel-plated and polished metal frame and trimmings. Polished hardwood handle. Folding winding handle. Dull black Nubian finished steel tape is 50% heavier than standard weight gauging tapes. Bright markings on one side only. "Instantaneous" reading (last preceding foot number repeated at each inch after first foot). Graduated in feet, inches and 8ths inch. Tape ⅝ inch wide. Long winding handle and oversize drum provide speed and leverage in winding. Frame 8½ inches long.

Rust-proof plumb bob accurately turned from solid brass—nickel plated and polished over heavy plating of electro copper. Sharp point, carefully hardened—accurately adjusted to hang perfectly true. Easy-action snap riveted to end of tape line—bob quickly detached when not in use. Diameter of bob 1 inch, length 6¾ inches.

Nos.	Each	Length Tape Line, Feet	Weight Each, Lbs.
*TB 280590	\$ 9.00	25	2¼
*TB 281590	10.25	33	2¾
*TB 283590	12.00	50	2½

One in a carton.

Polly-Prim

OIL STOVE WICKS

BURN EVENLY

and

LAST A LONG TIME.

They Are

Easy to Regulate

Because They Are

Precision Made

and

Fit Perfectly

TAPE LINES

- Easy to read—large, distinct figures and accurate graduations.
- Compact, durable case protects tape from dust and is conveniently carried.
- Handy loop at end of tape may be held or attached for easy measuring.

KLICKER WOVEN TAPE



Fine blue enameled steel case. Brass ribbed edge band, folding winding handle, and mountings. Heavy warp oil-finished cotton tape $\frac{1}{2}$ inch wide. Black figures and lines easy to read. Graduated in feet, inches and $\frac{1}{4}$ inches.

Nos.	Each	Length Diam.		
		Tape, Ft.	Case, Ins.	Wt. Per Doz., Lbs.
TB 2040K	\$0.49	25	2 $\frac{3}{4}$	3
TB 2043K	.65	50	3 $\frac{1}{2}$	4 $\frac{1}{2}$
TB 2045K	1.00	75	4 $\frac{1}{2}$	6
TY 2047K	1.19	100	4 $\frac{3}{4}$	7

One-half dozen in a carton.



LUFKIN—CHESTERMAN PATTERN "METALLIC" TAPE

"Instantaneous" reading—last preceding foot number repeated at each inch after first foot.

Russet leather case. Extra-heavy brass folding winding handle and mountings. Enameled linen tape $\frac{1}{2}$ inch wide with eight strands of fine brass wire interwoven lengthwise through the entire length. Tip end has leather reinforcement. Black figures and

lines. Graduated in feet, inches and $\frac{1}{2}$ inches on one side only.

Nos.	Each	Length Diam.		
		Tape, Ft.	Case, Ins.	Wt. Per Doz., Lbs.
TB 503	\$5.75	50	4 $\frac{1}{4}$	12
‡TB 505	7.50	75	5	14
‡TB 506	8.75	100	5 $\frac{1}{2}$	18

One in a carton.



ROE—QUICK READING STEEL TAPE

"Quick" reading—last preceding foot number repeated at each inch after first foot.

Strong steel case covered with durable, attractive leatherette. Folding flush handle opened by pressing button on opposite side of case. Nickel-plated handle and mountings. High quality steel tape $\frac{3}{8}$ inch wide. Graduated in feet, inches and 8th inch, on one side only.

Nos.	Each	Length Diam.		
		Tape, Ft.	Case, Ins.	Wt. Per Doz., Lbs.
TY RL50	\$2.49	50	2 $\frac{3}{8}$	9
TY RL100	3.89	100	4 $\frac{3}{8}$	16 $\frac{1}{2}$

One in a carton

LUFKIN STEEL TAPE

CHALLENGE—SURVEYORS' TYPE



"Instantaneous" reading—last preceding foot number repeated at each 10th of foot. Folding flush winding handle opened by pressing pin on opposite side. Measurements guaranteed accurate. Standard weight tape.

Metal lined russet leather case. Extra heavy nickel-plated brass handle and mountings. High quality steel tape $\frac{1}{2}$ inch wide. Dull black "Nubian" finish, with bright markings. Graduated in feet, 10ths and 100ths of foot on one side only.

Nos.	Each	Length Diam.		
		Tape, Ft.	Case, Ins.	Wt. Per Doz., Lbs.
‡TB 263D	\$7.00	50	3 $\frac{1}{8}$	8
‡TB 265D	9.00	75	4 $\frac{1}{4}$	12
‡TB 266D	12.00	100	4 $\frac{1}{2}$	15

One-half dozen in a carton.



BANNER

"Instantaneous" reading—last preceding foot number repeated at each inch after first foot. Folding flush winding handle opened by pressing pin on opposite side. Measurements guaranteed accurate. Standard weight tape.

Steel case covered with handsome mottled black auto leather. Heavy nickel-plated handle and mountings.

Extra high quality steel tape $\frac{3}{8}$ inch wide. Dull black "Nubian" finish, with light markings. Graduated in feet, inches and 8ths inch, on one side only.

Nos.	Each	Length Diam.		
		Tape, Ft.	Case, Ins.	Wt. Per Doz., Lbs.
TB 553	\$5.50	50	3 $\frac{1}{4}$	9 $\frac{1}{4}$
TB 556	9.00	100	4 $\frac{1}{2}$	16

One in a carton.



UNIVERSAL

"Instantaneous" reading—last preceding foot number repeated at each inch after first foot. Folding flush winding handle opened by pressing pin on opposite side. Measurements guaranteed accurate. Standard weight tape.

Metal-lined case with mottled tan imitation leather cover, nickel plated, $\frac{1}{16}$ inch wide edge band, handle and mountings.

High quality steel tape $\frac{3}{8}$ inch wide. Dull black "Nubian" finish, with bright markings. Graduated in feet, inches and 8ths inch.

Nos.	Each	Length Diam.		
		Tape, Ft.	Case, Ins.	Wt. Per Doz., Lbs.
TY 540	\$2.98	25	2 $\frac{3}{4}$	4 $\frac{1}{2}$
TY 543	3.29	50	3 $\frac{1}{4}$	7 $\frac{3}{4}$
TY 545	4.49	75	4 $\frac{1}{4}$	11 $\frac{1}{4}$
TY 546	5.29	100	4 $\frac{1}{2}$	13

One in a carton.

‡ Goods marked thus (‡) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

FLEXIBLE-RIGID STEEL TAPE RULES

- **Combination rule and tape**—flexible to measure uneven objects or stiff like a rule.
- **Smooth action.** Blade remains set at any length withdrawn and will not spring back into case (except where indicated).

LUFKIN "CRESCENT" Automatic Wind

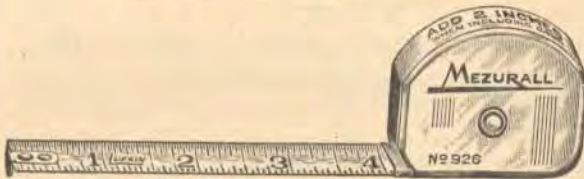
Stainless Steel Case and Rule—Rust and Corrosion Proof



- **Blade always under full control**—ratchet stop holds it any length manually pulled out; automatically returned by pressing center push button.
- **Sliding end hook**—when pushed back, hook serves as gauge, indicating and holding measurement; blade may be inserted into a narrower opening than hook would enter.
- Case, diameter 2 inches, has ribbed bottom and will stand on edge so blade can lie flat on object being measured.
- **Six-foot rule** $\frac{5}{8}$ inch wide. Graduated in inches to 16ths inch.

TB 696S—Weight per dozen 4 lbs.....Each \$2.95

"MEZURALL" Nickel-Plated Steel Case and Rule



- A compact, light and practical all-purpose tape rule for taking inside, outside, height and depth. Flexible and rigid measurement.
- Manually operated.
- End hook has short sliding action.
- Nickel-plated steel case 2 inches wide, $\frac{1}{8}$ inch thick.
- **Six-foot rule** $\frac{1}{2}$ inch wide. Graduated in inches to 16ths inch on both edges—first 6 inches of upper edge graduated to 32nds inch.

TB 926—Weight per dozen 2 $\frac{3}{4}$ lbs.....Each \$1.25

One in a box. One-half dozen in a carton.

The
KEEN KUTTER
Name on
TOOLS
Means the **FINEST QUALITY**
Offered
ANYWHERE

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

- **All-around use.** Ideal for any kind of measuring. Handy pocket size.
- **Convenient measuring.** Large, clear figures—easy to read. Useful hook on end of blade for accurate hook and butt-end measuring.

SOLID END HOOK



STANLEY

- "Pull-push" blade control action is simple and durable
- Solid end hook.
- Nickel-plated steel case—diameter 2 inches.
- **Six-foot rule** $\frac{1}{2}$ inch wide, made of polished and tempered spring steel. Clear lacquer protects finish. Graduated in inches to 16ths inch on both edges—first 6 inches of upper edge graduated to 32nds inch.

TB 1266A—Weight per dozen 1 $\frac{1}{4}$ lbs.....Each \$0.85

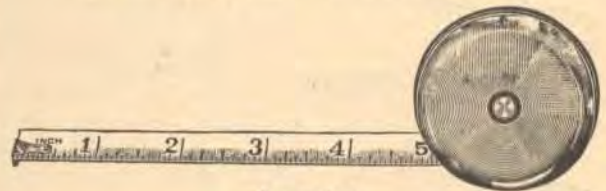


"WIZARD JUNIOR" Nickel-Plated Steel Case and Rule

- Manually operated.
- Solid end hook.
- Nickel-plated metal case approximately 2 inches in diameter with rounded corners. Case has ribbed bottom and will stand on edge so blade can lie flat on object being measured.
- **Six-foot rule** $\frac{1}{2}$ inch wide, made of polished and tempered steel. Graduated in inches to 16ths inch on both edges—first 6 inches of upper edge graduated to 32nds inch.

TY 1686—Weight per dozen 2 $\frac{1}{4}$ lbs.....Each \$0.75

One in a box. One-half dozen in a carton.



Imported

- Manually operated.
- Solid end hook.
- Nickel-plated steel case 2 $\frac{1}{8}$ inches in diameter, $\frac{1}{16}$ inch thick.
- **Six-foot rule** $\frac{5}{8}$ inch wide, made of polished, tempered steel. Graduated in inches to 16ths inch, first 2 inches to 32nds inch.

TB F6—Weight per dozen 2 lbs.....Each \$0.25

One-half dozen in a carton.

COMBINATION PLIERS

KEEN KUTTER

Painstaking care in selection combined with skilled workmanship has made this the finest selection of combination pliers to be found anywhere regardless of price.

- Forged from highest grade tool steel—oil-tempered for a longer life of full strength.
- Adjustable slip joint for holding large or small pipe.
- Face of jaws scored for firm bite. Milled teeth won't slip. Knurled handles provide secure grasp.



Wire cutter between jaws. Handy screw driver on handle. Nickel-plated.

Nos.	Each	Length, Inches	Holds Pipe, Inches	Weight Per Doz., Lbs.
TB K160	\$0.49	6	$\frac{3}{8}$ to $\frac{3}{4}$	6
TB K180	.69	8	$\frac{1}{4}$ to 1	9
TB K1100	.75	10	$\frac{1}{4}$ to 1 $\frac{1}{4}$	13

SIDE CUTTING



Side wire cutter and wire cutter between handles. Wire slot in center of jaws. Handy screw driver on handle. Nickel-plated. Length 7 inches. Holds pipe $\frac{1}{8}$ to $\frac{3}{4}$ inch.

TB K360—Weight per dozen 6 $\frac{3}{4}$ lbs. Each \$1.00

THIN BENT NOSE



For work on flat surfaces and places where work cannot be done with regular pliers. Wire cutter between jaws. Nickel-plated. Length 6 $\frac{1}{2}$ inches. Holds pipe $\frac{1}{8}$ to $\frac{3}{4}$ inch.

TB K165—Weight per dozen 6 lbs. Each \$0.59

THIN NOSE

Especially adapted for work inaccessible by regular plier. Wire cutter between jaws.



Nickel-plated. Length 6 $\frac{1}{4}$ inches. Holds pipe $\frac{1}{8}$ to $\frac{3}{4}$ inch.

TB K106—Weight per dozen 6 lbs. Each \$0.45



Nickel-plated. Length 5 inches. Holds pipe $\frac{1}{8}$ to $\frac{1}{2}$ inch.

TB K150—Weight per dozen 5 lbs. Each \$0.49

One in a carton.

EXTRA BOLTS AND NUTS

For KEEN KUTTER combination pliers TY K160 and TB K180.

TB KBN—Weight per dozen $\frac{1}{2}$ lb. Each (1 bolt and 1 nut) \$0.10

SIMMONS

Well made . . . popular-priced!

- Forged from high-grade tool steel, oil-tempered. Adjustable slip joint for holding large or small pipe. Face of jaws scored. Milled teeth. Knurled handles.



THIN NOSE

Especially adapted for work inaccessible to regular plier. Nickel-plated. Length 5 inches. Holds pipe $\frac{1}{8}$ to $\frac{1}{2}$ inch.

TB S450—Weight per dozen 5 lbs. Each \$0.35
One in a carton.

SIMMONS LEADER

Good quality at a low price.

- Forged from high-grade tool steel, hardened. Adjustable slip joint for holding large or small pipe. Faces of jaws scored. Milled teeth. Knurled handles.



THIN BENT NOSE

Particularly handy for automobile and garage men. Useful for work on flat surfaces. Nickel-plated and highly polished. Length 6 $\frac{1}{2}$ inches.

TB SE5—Weight per carton (6) 2 $\frac{1}{2}$ lbs. Std. List, Each \$0.49. Each \$0.49



THIN NOSE

Especially adapted for work inaccessible by regular plier. Wire cutter between jaws.

Nickel-plated and highly polished. Length 6 inches. TB SE4—Weight per carton (6) 3 $\frac{3}{4}$ lbs. Std. List, Each \$0.33. Each \$0.33



SIDE CUTTING

Nickel-plated and highly polished.

Nos.	Each	Length Inches	Weight Per Carton (6), Lbs.	Std. List, Each
TB SE6	\$0.79	5 $\frac{1}{2}$	1 $\frac{1}{4}$	\$0.79
TB SE66	.99	7	3	.99



GAS AND FLAT NOSE

Wire cutter between jaws.

Nickel-plated and highly polished.

Nos.	Each	Length Inches	Weight Per Carton (6), Lbs.	Std. List, Each
TB SE1	\$0.33	6	3	\$0.33
TB SE2	.39	8	3 $\frac{3}{4}$	.39
TB SE3	.59	10	6 $\frac{1}{2}$	.59

Cadmium Finish

TB SE18	.15	6	2 $\frac{3}{4}$	.15
TB SE17	.23	8	3 $\frac{3}{4}$	.23
TB SE16	.33	10	6 $\frac{1}{2}$	.33

One in a box; six in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KLICKER COMBINATION PLIERS

Remarkable value at these exceptionally low prices

- Forged steel, tempered. Adjustable slip joint for holding large or small pipe. Face of jaws scored. Milled teeth. Knurled handles.



Nickel plated. Length 6 $\frac{3}{4}$ inches. Holds pipe $\frac{3}{8}$ to $\frac{1}{2}$ inch.

TB 625KP—Weight per dozen 6 lbs.....Each \$0.25

One-half dozen in a carton.

Cadmium Plated

Nos.	Each	Length, Inches	Holds Pipe, Inches	Wt. Per Doz., Lbs.
TB 6KN	\$0.23	6	$\frac{3}{8}$ to $\frac{1}{2}$	6
TB 8KN	.25	8	$\frac{1}{4}$ to 1	8
TB 10KN	.39	10	$\frac{1}{4}$ to 1 $\frac{1}{4}$	12

6 and 8-inch—one dozen; 10-inch—one-half dozen in a carton.

For work on flat surfaces and plates inaccessible to regular nose pliers. Wire cutter between jaws.



THIN NOSE

Cadmium plated. Length 6 $\frac{3}{4}$ inches. Holds pipe $\frac{3}{8}$ to $\frac{1}{2}$ inch.

TB 56KN—Weight per dozen 6 lbs.....Each \$0.23



THIN BENT NOSE

Nickel plated. Length 6 inches. Holds pipe $\frac{3}{8}$ to $\frac{1}{2}$ inch.

TB 25KN—Weight per dozen 6 lbs.....Each \$0.29

One dozen in a carton.

EXTRA BOLTS AND NUTS FOR KLICKER COMBINATION PLIERS

Nos.	Each (1 Bolt and 1 Nut)	For Pliers, Nos.	Wt. Per Doz., Lbs.
TB NK6	\$0.05	TB 6KN and TB 6KB	$\frac{1}{2}$
TB NK8	.05	TB 8KN	$\frac{1}{2}$
TB NK10	.10	TB 10KN	$\frac{1}{2}$

Packing—bulk.

Adjustable slip joint for holding large or small pipe. Face of jaws scored.



CEE TEE CO.

Drop forged from open hearth steel. Accurately machined and milled teeth. Handy screw driver on handle. Checker dot handles. Nickel plated.

Nos.	Each	Length, Inches	Holds Pipe, Inches	Wt. Per Doz., Lbs.
TB H25	\$0.25	5	$\frac{3}{8}$ to $\frac{1}{2}$	5
TB H26	.29	6	$\frac{3}{8}$ to 1	6 $\frac{1}{2}$

Special Value



Forged steel. Wire cutter between jaws. Plain handles. Tumbled nickel finish. Length 6 $\frac{1}{2}$ inches. Holds pipe $\frac{3}{8}$ to $\frac{1}{2}$ inch.

TY F10—Weight per dozen 5 lbs.....Each \$0.15

Packing—bulk.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

COMBINATION PLIER AND PIPE WRENCH

KEEN KUTTER



- An extremely handy plier with exceptional gripping power for most any job. Head is at an angle of 75 degrees and jaws can

be adjusted to four positions making it a perfect tool for working in cramped, out-of-the-way places.

Forged from highest grade tool steel, tempered. Adjustable at joint to four positions. Face of jaws scored, milled teeth. Knurled handles. Nickel plated to resist rust. Length 7 $\frac{1}{2}$ inches. Holds pipe $\frac{1}{4}$ to 1 $\frac{1}{2}$ inches.

TB K750—Weight per dozen 7 $\frac{1}{2}$ lbs.....Each \$0.39

One in a carton.

KEEN KUTTER LAP JOINT PLIERS

Painstaking care in selection combined with skilled workmanship has made this the finest selection of pliers to be found anywhere regardless of price.

- Forged from highest grade tool steel—oil tempered. Especially designed for working in narrow places. Ideal for work on motors, electrical appliances. Cotter pins and fine wire handled with greater ease—saves time and labor.



CHAIN NOSE SIDE CUTTING

Sharp side cutter. Filled jaws, polished. Gun metal finish handles. Length 5 $\frac{1}{2}$ inches.

TB K75—Weight per dozen 2 $\frac{1}{4}$ lbs.....Each \$1.29

One dozen in a carton.



EXTRA LONG NOSE SIDE CUTTING

Sharp side cutter. Filled jaws, polished. Gun metal finish handles. Length 6 $\frac{1}{2}$ inches.

TB K76—Weight per dozen 3 lbs.....Each \$1.39



ROUND NOSE SIDE CUTTING

Sharp side cutter. Filled jaws, polished. Gun metal finish handles. Length 6 $\frac{1}{2}$ inches.

TB K66—Weight per dozen 3 lbs.....Each \$1.39



EXTRA SLIM NOSE

Suitable for work on electric sad irons, fixtures and similar objects. Also handy on automobile timers and other places where space will not

permit use of regular nose pliers. Polished jaws, scored inside. Gun metal finish handles. Length 5 $\frac{3}{4}$ inches.

TB K25—Weight per dozen 2 $\frac{1}{2}$ lbs.....Each \$1.19



DIAGONAL CUTTING

Straight tapered cutter snips quickly and accurately.

Polished jaws. Gun metal finish handles.

Nos.	Each	Length, Inches	Weight Per Dozen, Lbs.
TB K45	\$1.39	5	2 $\frac{1}{4}$
TB K46	1.75	6	3

One-half dozen in a carton.

LAP JOINT PLIERS

SIMMONS LEADER

Good Quality at a Low Price

Forged from good grade steel, hardened. Knurled handles.



LONG CHAIN NOSE—SIDE CUTTING

Ideal for work in extra narrow places. Full polished. Length 5½ inches.

TB SE9—Weight per carton (6) 1½ lbs. Std. List, Each \$0.99 Each \$0.99



DIAGONAL CUTTING

Cuts quickly and smoothly. Full polished.

Nos.	Each	Length, Inches	Wt. Per Dozen, Lbs.	Std. List, Each
TB SE7	\$0.99	5	2¼	\$0.99
TB SE77	1.29	6	3	1.29

One in a box. Six in a carton.



STANDARD—DIAGONAL CUTTING

Forged steel, oil tempered. Full polished. Blued finish handles, polished nose. Heavy rivet at joint.

TB 341—Weight per dozen 3½ lbs. Each \$0.49

One dozen in a carton.



BERNARD FLAT NOSE CUTTING

Jaws forged from tool steel, tempered. Closed-in handle. Steel rivets at joint—jaws parallel at all times. Open throat—

allows wire to pass entirely through. Knurled grips. Face of jaws scored. Nickel-plated.

Nos.	Each	Length, Inches	Wt. Per Dozen, Lbs.
TB 245C4½	\$1.49	4½	3
TB 245C5½	1.75	5½	4½
TB 245C6½	2.25	6½	6
TB 245C8	3.25	8 (Ex. Hy.)	12

One-half dozen in a carton.

POCKET ARMOR CUTTERS



UTICA-SMITH PACK-A-SPAC

For cutting BX and BXL armored cable, Nos. 12 and 14, 2 and 3 wire conductor. Saves time and trouble,

cuts clean and is light to carry.

Has many uses—connecting cabinet boxes, switches, base plugs, splitting loom. Also for cutting away metal lath or any light flat metal—not for iron or steel wire.

Drop forged from alloy steel. Thread lock joint. Polished head. Natural finish handles shaped to fit the hand. Length 7 inches. Cut ¼ inch.

TB PAC—Weight per dozen 6 lbs. Each \$2.19

One in a carton.

SIDE CUTTING PLIERS

KEEN KUTTER



KLEIN PATTERN LINEMAN'S

Forged from highest grade tool steel — tempered

for longer life, greater strength. Raised side cutter provides clean, precise snipping. Face of jaws scored. Polished jaws. Gunmetal finish handles. Heavy rivet at joint.

Nos.	Each	Length, Inches	Wt. Per Dozen, Lbs.
TB K966	\$1.65	6	5½
TB K967	1.95	7	8½
TB K968	2.15	8	12

KEEN KUTTER HEAVY PATTERN



Forged from highest grade tool steel — oil tempered. Raised side cutter, cuts clean and easy.

Face of jaws scored. Polished jaws. Natural finish handles. Heavy rivet at joint.

Nos.	Each	Length, Inches	Wt. Per Dozen, Lbs.
TB K856	\$0.98	6	3
TB K857	1.09	7	7
TB K858	1.19	8	10

One-half dozen in a carton.



SIMMONS LEADER KLEIN PATTERN LINEMAN'S

Forged from good grade steel, tempered.

Raised side cutter for quick, easy cutting. Face of jaws scored. Knurled handles. Full polished.

Nos.	Each	Length, Inches	Wt. Per Carton (6), Lbs.	Std. List, Each
TB SE88	\$1.39	7	4½	\$1.39
TB SE8	1.59	8	6¼	1.59

One in a box. Six in a carton.



SIMMONS LEADER

Forged from good grade steel, tempered. Raised side cutter for easy

cutting. Knurled handles. Full polished.

Nos.	Each	Length, Inches	Wt. Per Carton (6), Lbs.	Std. List, Each
TB SE19	\$0.99	6	2½	\$0.99
TB SE20	1.39	8	5¼	1.39

One in a cardboard box. Six in a carton.



KLEIN LINEMAN'S

Forged steel, tempered. Raised side cutter. Face of jaws scored. Natural finish handles. Polished head. Heavy rivet at joint.

Diamond Special—With Oblong Opening

Nos.	Each	Length, Inches	Wt. Per Dozen, Lbs.
TB 201/6	\$2.39	6	5
TB 201/7	2.69	7	7½
TB 201/8	2.98	8	12

One-half dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

PLIERS AND WIRE CUTTERS COMBINED

BUTTON PATTERN



SIMMONS LEADER

Combination fence plier and wire puller. Two sharp wire cutters. Has positive stop for aligning cutters. Face of jaws milled to furnish

strong grip for pulling or straightening wire. Forged steel, hardened. Knurled handles. Full polished.

Nos.	Each	Length, Inches	Weight per Carton (6) Lbs.	Std. List Each
TB SE11	\$0.99	8	4½	\$0.99
TB SE10	1.29	10	6½	1.29

One in a box; six in a carton.

KLICKER



Combination Fence Plier and Wire Puller.

Two sharp wire cutters. Face of jaws milled for strong grip.

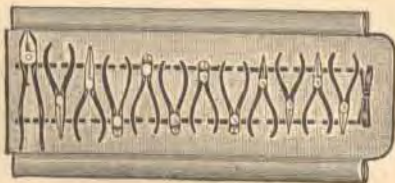
Forged from tool steel. Oil tempered flat nose jaws. Heavy steel rivet at joint.

Nos.	Each	Lgth., Inches	Weight Per Doz., Lbs.
TB 6K	\$0.59	6	4
TB 8K	.75	8	8
TB 10K	.98	10	10

One-half dozen in a carton.

PLIER ASSORTMENT

Exceptional value. Made by a well known manufacturer. Small stock of pliers at a low price. Remarkable group of well constructed pliers, for every use.



High grade alloy steel; tempered jaws. Face of jaws milled except 2278. Polished heads. Handles black enameled.

CONTENTS OF ASSORTMENT

¼ dozen, 2332 radio and electricians' side cutting pliers—5½ inches long.....	Each	\$0.39
¼ dozen, 2278 beveled diagonal side cutting pliers—5 inches long.....	Each	.49
¼ dozen, 2278 beveled diagonal side cutting pliers—6 inches long.....	Each	.59
¼ dozen, 2280 long nose chain pliers—6¾ inches long.....	Each	.59
½ dozen, 2612 Klein pattern lineman's side cutting pliers—8¾ inches long.....	Each	.75

Each assortment put up in attractive felt-lined black leatherette roll 9x26 inches.

TB B100A—Weight per assortment 3¾ lbs.

Wrapped in paper.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

CUTTING NIPPERS KEEN KUTTER

- Solid construction. High grade tool steel jaw—polished and uniformly tempered. Malleable iron handles and head—dead black finish.
- Efficient operation. Reversible, interchangeable jaws, each with two cutting edges, held securely by two screws—less frequent sharpening. Box joint.



Set screw between handles for adjusting cut.

Nos.	Per Pair	Will Cut Length, Inches	Wire Gauge	Wt. Per Doz., Lbs.
TB K8	\$1.98	8	11	18
TB K10	2.49	10	7	24
TB K12	2.79	12	3	30

One in a carton.

EXTRA CUTTERS FOR KEEN KUTTER CUTTING NIPPERS With Screws

Nos.	Per Pair	For Cutting Nippers, Nos.	Wt. Per Doz., Lbs.
TB KC8	\$0.75	TB K8	1½
TB KC10	1.00	TB K10	2
TB KC12	1.19	TB K12	2¾

One-half dozen pairs in a carton.

CUTTING NIPPERS SIMMONS



Forged from high-grade tool steel. Oil tempered, polished jaws. Gun metal finish handles.

Nos.	Each	Length, Inches	Wt. Per Doz., Lbs.
TB S5	\$1.00	5	5
TB S6	1.19	6	8

One in a carton. One-half dozen in a case.

WIRE CUTTERS CAREW'S PATENT



A quality tool for heavy duty wire cutting. Adjustable jaws, made of best grade tool steel, finely sharpened and tempered. When jaws become dull they can be removed, ground and easily replaced. Fine forged steel handles and head. Adjusting screw between handles regulates depth of cut.

Nos.	Each	Length, Inches	Wt. Per Doz., Lbs.
TB CWC10	\$4.85	10	2¼
TB CWC12	5.65	12	2¾
TB CWC14	6.80	14	4¼

One in a carton.

EXTRA JAWS FOR WIRE CUTTERS FOR CAREW'S PATENT WIRE CUTTERS

Nos.	TB 10EJ	TB 12EJ	TB 14EJ
Weight Per Pair, Oz.	2	2½	2½
Per Pair	\$1.35	1.45	1.55

Packing—bulk.

CARPENTERS' PINCERS

KEEN KUTTER

- Forged from highest grade tool steel. Double bevel cutting edges. Handy claw and screw driver. Heavy steel rivet at joint.



Oil-tempered, polished jaws, head, claw and screw driver. Black enameled knurled handles. Cutting edges reinforced. Wire cutter between jaws.

Nos.	Each	Length, Inches	Wt. Per Doz., Lbs.
TB K806	\$0.75	6	5
TB K808	.79	8	10
TB K810	.89	10	14



Oil-tempered jaws with polished face. Natural finish handles.

Nos.	Each	Length, Inches	Wt. Per Doz., Lbs.
TB K706	\$0.59	6	5
TB K708	.69	8	10
TB K710	.79	10	14

One-half dozen in a carton.

SIMMONS LEADER



Good quality at a low price.

HAMMER HEAD PATTERN

Forged from good grade tool steel. Useful claw and screw driver. Strong rivet at joint. Polished face. Handles smooth black finish. Wire cutter between jaws. Length 8 inches.

TB SK1—Weight per carton (4) 3 1/4 lbs.
Std. List, Each \$0.69.....Each \$0.69

Four in a carton.

BLACKSMITHS' AND FARRIERS'

PINCERS

SIMMONS

- Forged from high-grade tool steel. Heavy steel rivet at joint. Parallel handles.



SHOEING

Close-biting, oil-tempered and polished jaws. Natural finish handles. Length 12 inches.

TB S212—Weight per dozen 18 lbs.....Each \$1.19



HOOF PARING

Oil tempered. Overlapping polished jaws. Natural finish handles.

Nos.	Each	Length, Inches	Wt. Per Doz., Lbs.
TB S0012	\$1.49	12	23
TB S0014	1.69	14	25



NAIL CUTTING

Close-biting jaws, oil tempered, with polished front. Balance black enameled.

Nos.	Each	Length, Inches	Wt. Per Doz., Lbs.
TB S1112	\$1.49	12	20
TB S1114	1.59	14	22

One-half dozen in a carton.

FENCE PLIERS AND STAPLE PULLERS

CRESCENT



A fence builder's or farmer's handiest tool. Has two hammer heads (1 single checked, 1 double checked), two wire cutters, wire stretcher, pipe grip and pincers. Also two round openings for pulling staples. Fine steel, smooth black finish; knurled grips. Length 10 inches.

TB 1907—Weight per dozen 19 1/2 lbs.....Each \$1.19



EMPIRE

With handy starting and pulling point for staples. Two wire cutters, wire spicers between jaws, staple pulling point and lifter for bent lugs on steel posts. Wire stretcher between handles. Fine grade steel, polished, corrugated hammer head; natural finish handles. Length over all 10 1/4 inches.

TR U291—Weight per dozen 16 1/2 lbs.....Each \$0.85

One in a carton.

RIVET SETS AND HEADERS

KLICHER



For copper and iron rivets. Forged from good grade tool steel. Tempered for rough usage. Polished head. Natural finish shank.

Nos.	TB 8K	TB 9K
For Copper Rivets, Nos.	8	9
For Iron Rivets, Nos.	5 and 4	3 and 2 1/2
Length, Inches	4 1/4	4 1/8
Weight per Dozen, Lbs.	5	5
Each	\$0.25	.25

One-half dozen in a carton.

Women Know Good Stoves:
THE SIMMONS
CAST IRON RANGE
IS A WINNER

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

PUNCHES

For quick, accurate punching of paper, cardboard, leather, cloth and similar materials. Punches clean and sharp.

SIMMONS



REVOLVING—4-TUBE
Full polished steel handles and jaws. High grade tool steel tubes tempered and hardened; tempered steel spring riveted to handle. Length 8 inches.

● ● ● ● Illustration of actual punch tube sizes.

TB S26—Four tubes: One each Nos. 4, 6, 8 and 10. Weight per dozen 9 lbs. Each \$1.15

One-half dozen in a carton.

EXTRA TUBES FOR TB S26 PUNCHES...Each \$0.15

Packing—bulk.



BOKER—REVOLVING

Extra heavy pressed steel frame and handles, bright finish. Tempered steel

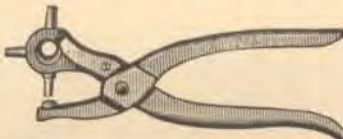
spring at joint. Full polished straw tempered steel tubes. Length over all 8 3/4 inches.

TB 400—Four tubes: One each Nos. 2, 3, 4 and 5. Each \$0.69

TB 600—Six tubes: One each Nos. 1, 2, 3, 4, 5 and 6. Each .79

Weight per dozen 9 1/2 lbs.

One in a carton. One dozen in a case.



LODI—REVOLVING 4 TUBE

Polished steel handles and frame. Tempered steel tubes. Springs coiled around rivet at joint, extend back into

concave handles. Length 8 inches.

TB 384—Four tubes: One each Nos. 1, 3, 5 and 7. Weight per dozen 7 lbs. Each \$0.79

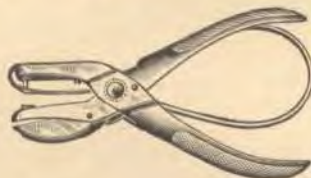
One-half dozen in a carton.

EXTRA TUBES FOR TB 384 PUNCHES...Each \$0.15

Packing—bulk.

TICKET PUNCHES

Nickel-plated stamped steel frame. Steel die and plunger. Steel wire main spring and finger ring. Punched paper particles fall into reservoir that is easily emptied.



Assorted Fancy Pattern Dies

Scored handles. Large finger ring. Length reach 1 inch. Length over all 5 inches.

TB 30—Weight per dozen about 1 3/4 lbs. Each \$0.15



Assorted Card Suit Dies

Hearts, spades, diamonds and clubs.

Embossed handles. Small finger ring. Length reach 1 inch. Length over all 5 inches.

TB 3605—Weight per dozen 2 lbs. Each \$0.15

One dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

BELT PUNCHES

SIMMONS



Illustrations show actual sizes of holes. Will cut clean holes through leather and canvas belting.

Forged from high-grade tool steel, oil tempered. Polished tip. Natural finish shank. Swaged point, slot milled out. Length 3 3/4 inches.

Nos.	Each	Diameter Hole, Inches	Wt. Per Doz., Lbs.
TB S601	\$0.15	7/16	1
TB S602	.15	1/8	1
TB S603	.15	3/16	1
TB S604	.15	1/4	1
TB S605	.15	5/16	1
TB S606	.15	3/8	1
TB S607	.15	7/16	1 1/4
TB S608	.15	1/2	1 1/4
TB S609	.15	5/8	1 1/4
TB S610	.19	3/4	1 3/4
TB S612	.19	7/8	2 1/4

TB S6036—Assorted, Nos. TB S603 to TB S606. Weight per dozen 1 lb.

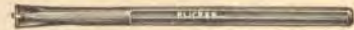
TB S6058—Assorted, Nos. TB S605 to TB S608. Weight per dozen 1 1/4 lbs.

TB S6079—Assorted, Nos. TB S607 to TB S609. Weight per dozen 1 1/4 lbs.

One dozen in a carton.

STAR DRILLS

KLICKER



Used chiefly in drilling holes in brick and cement. Forged from octagon tool steel, tempered. Natural finish.

Nos.	Each	Diameter Point, In.	Length, Inches	Wt. Per Doz., Lbs.
TB 1412K	\$0.19	1/4	12	2 1/4
TB 51612K	.19	5/16	12	3 1/4
TB 3812K	.23	3/8	12	3 1/4
TB 1212K	.25	1/2	12	4 1/2
TB 5812K	.29	5/8	12	8
TB 3412K	.35	3/4	12	12
TB 7812K	.39	7/8	12	17
TB 112K	.40	1	12	22
TB 1218K	.29	1 1/2	18	7
TB 5818K	.35	5/8	18	12
TB 3418K	.39	3/4	18	19

One dozen in a carton.

MAGNETS



Fully magnetized—will attract and hold iron or steel objects. Fine quality steel. Horseshoe pattern. Body painted red. Ends and block polished. Length 3 inches.

TB 3—Weight per dozen 1 1/2 lbs. Each \$0.10

Packing—bulk.

COLD CHISELS

KEEN KUTTER



Alloy Steel

to the ordinary high carbon steel used in cold chisels. These tools have three distinct temper zones in their construction—

Cutting edge—hard and tough, yet not brittle.

Center section—properly hardened to form a cushion against the cutting zone . . . also tough and resilient.

Top section—properly tempered to withstand full hammer blows without chipping off or crystallizing . . . will mushroom evenly.

Smooth black finish, with polished head, flat sides and cutting edge.

The alloy steel used in these cold chisels is highly superior

Nos.	Each	Wdth., Cut, In.	Dia., Steel, In.	Lgth., In.	Wt. Per Doz., Lbs.
TB KA14	\$0.25	¼	¼	5	1
TB KA516	.25	⅜	¼	5	1
TB KA38	.29	⅝	⅜	5½	1½
TB KA12	.30	½	⅜	6	3¼
TB KA58	.35	⅝	½	6½	4½
TB KA34	.45	¾	⅝	7	7½
TB KA78	.55	¾	¾	7½	11
TB KA10	.75	1	¾	8	15



MACHINISTS'

Forged from highest grade octagonal steel, heat treated and carefully tempered. Polished head and blade. Black forged finish body.

Nos.	Each	Wdth., Cut, In.	Dia., Steel, In.	Lgth., In.	Wt. Per Doz., Lbs.
TB KM34	\$0.45	¾	⅝	10	10½
TB KM78	.59	¾	¾	10	15

One-half dozen in a carton.



REGULAR

Forged from highest grade octagonal tool steel for long wear and satisfactory service. Oil tempered. Polished bevel and head. Natural finish body.

Nos.	Each	Wdth., Cut, In.	Dia., Steel, In.	Lgth., In.	Wt. Per Doz., Lbs.
TB K14	\$0.19	¼	¼	5¼	1½
TB K38	.23	⅝	⅜	5½	1¾
TB K12	.25	½	⅜	6	3½
TB K58	.25	⅝	½	6½	4½
TB K34	.29	¾	⅝	7	7½
TB K78	.45	¾	¾	7½	11
TB K10	.55	1	¾	7½	15

Packing: TB K14 and TB K38—one dozen; other numbers—one-half dozen in a carton.

SIMMONS LEADER

Good quality at a low price.



Forged tool steel, carefully tempered to correct hardness—tough and strong. Black finish.

Nos.	Each	Cut, In.	Lgth., In.	Dia., In.	Wt. Per Carton (6), Lbs.	Std. List, Each
TY SJ1	\$0.15	½	6	½	1¾	\$0.15
TB SJ2	.23	⅝	6⅝	⅝	2½	.23
TB SJ3	.29	¾	7½	¾	5	.29

One-half dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

COLD CHISELS

KLICKER REGULAR



Forged from good grade octagonal tool steel, evenly tempered. Natural finish.

Nos.	Each	Wdth., Cut, In.	Dia., Steel, In.	Lgth., In.	Wt. Per Doz., Lbs.
TB 38K	\$0.10	⅝	⅜	5½	1½
TB 12K	.15	½	⅜	6	3
TB 58K	.19	⅝	⅜	6½	4
TB 34K	.23	¾	⅝	7	7
TB 1K	.35	1	¾	7½	15

Packing: TB 38K—one dozen; other numbers—one-half dozen in a carton.

KEEN KUTTER CHISELS

• Forged from extra refined steel, oil tempered. Sharp polished point—cuts clean and evenly. Octagon black finish body.



ROUND NOSE

Nos.	Each	Width Cut, Inch	Diam- eter Steel, Inch	Length, Inches	Weight Per Doz., Lbs.
TB KR14	\$0.35	¼	⅝	6¼	5¼
TB KR516	.39	⅜	⅝	7	6
TB KR38	.45	¾	⅝	7	6



DIAMOND POINT

Nos.	Each	Width Cut, Inch	Diam- eter Steel, Inch	Length, Inches	Weight Per Doz., Lbs.
TB KD14	\$0.35	¼	⅝	6¼	5¼
TB KD516	.39	⅜	⅝	7	6
TB KD38	.45	¾	⅝	7	6



CAPE

Nos.	Each	Width Cut, Inch	Diam- eter Steel, Inch	Length, Inches	Weight Per Doz., Lbs.
TB KC14	\$0.35	¼	⅝	7	6
TB KC516	.39	⅜	⅝	7	6¼
TB KC38	.45	¾	⅝	7	6¼

One-half dozen in a carton.



Good quality forged octagonal steel. Properly tempered. Natural finish. Polished bevel. Width cut ⅝ inch. Diameter steel ½ inch. Length 6 inches.

TB 1200V—Weight per dozen 3¾ lbs. Each \$0.10

Packing—bulk.

SOLID MACHINE PUNCHES

KEEN KUTTER

• Especially adapted for driving rivets and pins out of machinery.

Forged from highest grade tool steel. Oil tempered. Natural finish octagon barrel. Polished head and point.



Point tapers from barrel to within 1 1/4 inches of end. Balance of point straight.

Nos.	Each	Lgth., Inches	Diam. At		Per Doz., Lbs.
			Steel, Inch	Point, Inch	
TB K358	\$0.35	9	5/8	3/8	9 1/2
TB K301	.49	10	3/4	1/4	14



Regular taper. Small point.

Nos.	Each	Lgth., Inches	Diam. At		Per Doz., Lbs.
			Steel, Inch	Point, Inch	
TB K532	\$0.29	8	1/2	5/32	5 1/2
TB K632	.35	9	5/8	9/32	7 3/4
TB K732	.39	10	3/4	5/32	13

One dozen in a carton.

SIMMONS

• Forged from high-grade tool steel, oil tempered. Natural finish hexagon barrel. Polished point.



Regular taper. Small point.

Nos.	Each	Lgth., Inches	Diam. At		Per Doz., Lbs.
			Steel, Inch	Point, Inch	
TB S125	\$0.23	8	1/2	5/32	5
TB S632	.29	9	5/8	9/32	8
TB S832	.35	10	3/4	5/32	11

One-half dozen in a carton.

DRIFT PUNCHES

Particularly useful for driving out rivets and pins in heavy farm machinery, automobiles, etc.

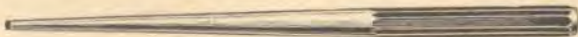


SIMMONS LEADER

Forged from high quality steel. Black finish hexagon barrel. Polished point. Diameter steel 5/8 inch. Length 5 inches.

Diameter point 5/16 inch.

TB SDD44—Weight per carton (6) 3/4 lb. Std. List, Each \$0.23.....Each \$0.23



High-grade tool steel, oil tempered. Natural finish octagon barrel. Polished point.

Nos.	Each	Lgth., Ins.	Diam. At		Lgth., Ins.	Per Doz., Lbs.
			Stock Size, In.	Point, In.		
TB 745	\$0.45	12	1/2	5/16	7 1/2	6
TB 746	.55	15	5/8	3/8	9 1/2	10

One-half dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

MACHINE PUNCHES

SIMMONS



Forged from high-grade tool steel, oil tempered. Natural finish hexagon barrel. Polished point and head. Diameter steel 1/2 inch. Length over all 6 inches. Regular taper; small point.

TB S11/15—Assorted points. 1/2 dozen each 1/2, 5/32 and 3/32 inch. Weight per dozen 2 1/2 lbs.....Each \$0.17

One dozen in a carton.

SIMMONS LEADER



Forged from high quality steel. Black finish hexagon barrel.

Polished point. Diameter steel 5/8 inch. Length 6 inches.

Diameter point 3/16 inch.

TB SDD88—Weight per carton (6) 1 3/4 lbs.

Std. List, Each \$0.29.....Each \$0.29

Six in a carton.



Good quality forged octagon-shaped steel. Properly tempered. Natural finish. Full ground taper. Diameter steel 1/2-inch. Length 6 inches.

Nos.	Each	Diameter at Point, Inches
TB 300V	\$0.10	5/32
TB 400V	.10	5/32

Packing—bulk. Weight per dozen 3 3/4 lbs.

KEEN KUTTER PIN PUNCHES



Efficiently drives out pins in mechanical equipment.

Forged from highest grade tool steel. Oil tempered. Natural finish octagon barrel, polished point. Point tapers from barrel to within 3/4-inch of end. Balance of point straight. Diameter 5/8-inch. Length over all 6 inches.

Nos.	Each	Diameter at Point, Inch	Wt. Per Doz., Lbs.
TB K13	\$0.25	5/32	3 3/4
TB K14	.25	5/32	3 1/4
TB K15	.25	1/2	3 1/4
TB K16	.25	5/32	3 1/4

TB K1316—Assorted. 1/4 dozen each Nos. TB KA13, TB K14, TB K15, TB K16.....Each \$0.25

One dozen in a carton.

KEEN KUTTER PRICK PUNCHES



Correct punch mark insured with sharp point.

Forged from highest grade tool steel. Oil tempered. Round knurled barrel assures non-slip grip. Full polished finish. Length 4 inches.

TB K217—Weight per dozen 1 1/4 lbs.....Each \$0.15

One dozen in a wood box.

SELF-CENTERING PUNCHES

SHARPSHOOTER



Handy for carpenters, cabinet makers, sheet metal workers and other craftsmen. Ideal when marking center for drilling holes and setting screws in hinges, locks, escutcheons. Lower part recessed to permit easy removal with claw of nail hammer.

Good quality blued steel housing, finely machined and milled. Knurled center assures non-slip grip. Smooth polished top. Extra-hard tempered sliding punch joint. Medium size. Length 3 inches. Diameter 3/8 inch.

TB 2SS—Weight per dozen 1 1/2 lbs.....Each \$0.25

One dozen in a display box.

CENTER PUNCHES

KEEN KUTTER



Sharp point with distinct taper assures accurate punch mark.

Forged from highest grade tool steel. Oil tempered. Polished head and point. Round knurled barrel provides comfortable, non-slip grip. Blue finish. Length 3 3/8 inches.

TB K215—Weight per dozen 1 1/4 lbs. Each \$0.15

One dozen in a wood box.

SIMMONS LEADER



Forged from high quality steel. Black finish hexagon barrel. Polished point. Diameter steel 5/16-inch. Length 5 inches.

Sharp Point

TB SDD11—Weight per carton (6) 3/4 lb.
Std. List, Each \$0.23 Each \$0.23

Six in a carton.

PUNCH AND CHISEL SETS



All tools are made from 3/8-inch high-grade hexagon shape steel stock (except punch with 1/8-inch point — 1/4-inch stock). Tempered for

rough usage. Natural black finish, bright finish bits and points.

Consists of:

- 1 cold chisel 5 inches long, 1/2-inch cut.
- 1 cold chisel 5 1/2 inches long, 5/8-inch cut.
- 1 solid punch 5 1/4 inches long, 1/8-inch point.
- 1 solid punch 4 3/4 inches long, 1/8-inch point.
- 1 prick punch 5 inches long.

TY PT22—Set of five pieces. Weight per set 1/2 lb. Per Set \$0.23

One set in a steel holder.



Exceptionally good value. 3/8-inch hexagon shape carbon steel stock, tempered. Natural black finish.

Consists of:

- 1 cold chisel 5 1/4 inches long, 1/2-inch cut.
- 1 cold chisel 5 1/2 inches long, 5/8-inch cut.
- 1 solid punch 4 3/4 inches long, 1/8-inch point.
- 1 solid punch 4 1/4 inches long, 1/8-inch point.
- 1 prick punch 4 1/2 inches long.

TB X2580—Set of five pieces. Weight per set about 5/8 lb. Per Set \$0.39

One set in a red enameled steel holder.

NAIL SETS SYRACUSE



ROUND HEAD

Twist drill steel. Both ends tempered to proper hardness. Blued finish. Cup point. Knurled barrel 1/4-inch square. Length 4 inches.

Nos.	Each	Size Points, Inches
TB 90N1	\$0.17	3/32
TB 90N2	.17	2/32
TB 90N3	.17	3/32
TB 90N4	.17	4/32
TB 90N	.17	Assorted 3/32 to 3/8

Weight per dozen about 3/4 lb.
One dozen in a slide cover wood box.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

NAIL SETS

KEEN KUTTER—SQUARE HEAD

- Ample driving surface on extra-large square head.
- Patented knurling on barrel provides non-slip grip. Diameter barrel 1/8 inch.
- Heads and points highly polished.



Alloy Steel — hammer-forged from highest quality new alloy steel.

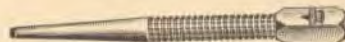
The point of these Nail Sets is unusually tough and can be driven through steel without damage to cup.

In Attractive Display Box

TB K250—Assorted: 6 TB K2502, 4 TB K2503 and 2 TB K2504. Weight per dozen 1 1/4 lbs.

One dozen in a carton.

Nos.	Each	Size Points, Inches
TB K2501	\$0.23	3/8
TB K2502	.23	1/4
TB K2503	.23	3/8
TB K2504	.23	1/8
TB K2505	.23	3/8

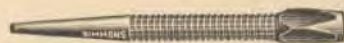


Crucible Steel—hammer-forged from finest crucible steel. Carefully tempered—harder, tougher, stands greater strain.

Nos.	Each	Size Points, Inches
TB KS150	\$0.15	Assorted 1/16 to 1/8
TB KS1501	.15	3/16
TB KS1502	.15	1/4
TB KS1503	.15	3/8
TB KS1504	.15	1/8

SIMMONS

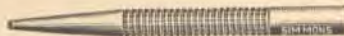
- Patented knurling on barrel assures firm, non-slip grip. Heads and points brightly polished. Barrel 1/8-inch in diameter.



SQUARE HEAD

One-piece high-grade forged steel, carefully tempered for strength and durability. Beveled "can't roll" head.

Nos.	Each	Size Points, Inches
TB SS100	\$0.10	Assorted 1/16 to 1/8
TB SS1001	.10	1/16
TB SS1002	.10	1/8
TB SS1003	.10	3/16
TB SS1004	.10	1/8



ROUND HEAD

Hammer-forged high-grade steel, carefully tempered.

Nos.	Each	Size Points, Inches
TB SR100	\$0.10	Assorted 1/16 to 1/8
TB SR1001	.10	1/16
TB SR1002	.10	1/8
TB SR1003	.10	3/16
TB SR1004	.10	1/8

One dozen in a carton. Weight per dozen 1 lb.

LIST OF KEEN KUTTER BRANDED MERCHANDISE

MECHANICS' TOOLS

AUGERS,
Nut
Ship

AXES,
Double Bit, Handled
House
Scout
Single Bit, Handled

AXE STONES

BITS,
Auger
Car
Countersink
Electrician
Expansive
Gimlet
Screw Driver
Ship Car
Wood

BIT BRACES

BIT EXTENSIONS,
Straight

BLADES,
Butcher Saw, Coil
Hack Saw
Wood Saw

CABINET SCRAPER

CHISELS,
Butt
Cape
Cold
Socket Firmer

CALIPERS

CARPENTERS' APRONS

CARPENTERS' PENCILS

CHISEL HANDLES

CORNER BRACES

CUTTING NIPPERS

DRILLS,
Bit Stock, Twist
Straight Shank,
Machine
Straight Shank,
Twist

DRAWING KNIVES

DIVIDERS

FILES,
Cant Saw
Carpenters' Special
Extra Slim Taper
Flat Bastard
Flat Smooth
Great American
Cross Cut
Half Round, Bastard
Half Round, Cabinet
Half Round, Smooth
Half Round, Wood
Knife, Bastard
Mill, Bastard
Mill, One Safe Edge
Regular Taper
Reversible Taper
Round, Bastard
Safety Mill
Slim Taper
Special Blunt
Square, Bastard
Straight, Mill
Warding, Bastard
Cut
Warding, Second Cut

GLASS CUTTERS

GOUGES

GRUB HOES

HAMMERS,
Bill Posters'
Blacksmiths'
Brick
Machinists' Ball Pein
Machinists' Riveting
Nail
Saw Setting

HANDLES,
Axe, D. B.
Axe, S. B.
Blacksmith Hand
Brick Hammer
Broad Axe
Broad Hatchet
Cross Cut Saw
House Axe
Hunters' Axe
Lathing Hatchet
Machinist Hammer
Mattock
Nail Hammer
Pick
Scout Axe
Shingling Hatchet
Sledge or Spike Maul

HATCHETS,
Broad
Claw
Half
Lathing
Shingling
Rig Builders'
Produce

HAZEL HOES

LEVEL GLASSES

MALLETS

MARKING GAUGES

MATTOCKS

NAIL SETS

OIL STONE SLIPS

OIL STONES

PICKS,
Coal
Railroad

PINCERS,
Carpenters'
Hoof Paring
Nail Cutting

PLANES,
Block
Fore
Jack
Smooth

PLANE IRONS

PLIERS,
Chain Nose
Combination
Diagonal Cutting
Lineman's
Side Cutting
Thin Nose

PLASTERERS' HAWKS

PLUMBS and LEVELS

PUNCHES,
Center
Machine
Pin
Prick
Leather, Round

POCKET KNIFE HONES

RASPS,
Extra Slim, Light
Horse
Flat Wood
Half Round, Shoe
Half Round, Wood
Plain Horse

REAMERS, FLUTED

RULES,
Boxwood
Folding

SAW CLAMPS

SAW TOOLS

SCRATCH AWLS

SCREW DRIVERS,
Electricians'
Regular

SPEED INDICATORS

SQUARES

SAWS,
Back
Compass
Coping
De-Horning
Hack Saw
Hand
Keyhole
Kitchen
Metal Cutting
Mitre Box
Nest, of Saws
Panel
Pruning
Rip
Ship
Wood or Buck

TACK CLAWS

TINNERS' SNIPS

TOOL BAGS

TROWELS,
Brick
Plastering
Pointing

TRY SQUARES

TRY and MITRE SQUARES

WORK BENCHES

WRENCHES,
Engineers' Double
End
Tappet, Double End
Thin Alloy Steel,
Angle
Stillson Pattern Pipe

UTLERY

CARVERS, IN SETS

CLEAVERS,
Household

CLIPPERS,
Hair
Toilet

COOKS' FORKS

FOOD CHOPPERS

HAMBURGER TURNERS

KNIVES,
Boning
Bread
Broom Corn
Budding
Butcher
Cooks'
Cotton Sampling
Grafting
Grape Fruit
Ham Slicing
Hunting
Linoleum
Paring
Pocket
Poultry Killing
Putty
Roofing
Scraping
Shoe
Skinning
Slicing
Sticking
Steak
Utility

MEAT CUTTERS

POCKET KNIVES,
Cattle
Jack
Pen
Pruning
Scout

PUTTY CHISELS

RAZORS,
Old Style Blade
Safety

RAZOR BLADES,
Double Edge
Single Edge

RAZOR HONES

RAZOR STROPS

SCISSORS,
Button Hole
Cuticle
Embroidery or Lace
Ladies' or Regular
Manicure
Nail
Pedicure
Pocket

SHEARS,
Bankers' or Paper
Barbers'
Bent, Trimmers
Kitchen
Straight Trimmers
Tailors'

STEELS,
Butcher
Kitchen

TABLE KNIVES and FORKS

GARDEN TOOLS and IMPLEMENTS

BUSH HOOKS

CORN KNIVES

CULTIVATORS,
Garden
Speedy

DITCH BANK BLADES

DRAIN CLEANERS

FORKS,
Alfalfa
Baling Press
Barn
Coal
Coal Scoop
Coke
Cotton Seed
English Digging
Grain
Header
Manure
Mill or Manure
Stone
Sugar Beet Scoop
Spading
Vegetable Scoop

GARDEN PLOWS

GARDEN SETS

GARDEN TROWELS

GARDEN WEEDERS

GLOVES,
Cotton, Work
Rubber Dipped,
Cotton

GRASS CUTTERS

GRASS HOOKS

GRASS SHEARS

HEDGE KNIVES

HEDGE SHEARS

HOES,
Cotton
Cultivator
Eye
Garden
Garden Mattock
German Grub or
Sprouting
Mattock
Mortar
Planters'
Railroad Scuffle
Scuffle
Southern Meadow
Strawberry
Triangular Weeder
Turf Edgers
Weeding

HOOKS,
Potato
Stone

HORSE OR MULE SHEARS

LAWN MOWERS,
4 and 5 Knife, Plain
4 and 5 Knife,
Rubber
Quiet, Rubber Tired

POST HOLE AUGERS

POST HOLE DIGGERS

PRUNERS,
Trimmer

PRUNING SHEARS

RAKES,
Broome
Coal or Road
Dandelion
Garden
Lawn
Park
Tar or Asphalt

SCYTHES,
Bush
Grass
Weed

SCYTHE STONES

SHEEP SHEARS

SIDEWALK CLEANERS

SCOOPS,
Break Down
Coal Yard
Grain
Gravel

SHOVELS,
Campers' or Floral
Dirt, "D" Handle
Dirt, Long Handle
Irrigating
Miners'
Moulders'
Rice

SPADES,
Drain
Iowa Pattern
Regular Pattern
Post or Ditching

THERMOMETERS

TOOL HANDLES,
Alfalfa Fork
Hay Fork
Garden
Header Fork
Heavy Fork
"D" Shovel
"D" Spade
Long Shovel
Manure Fork
Post Spade

TREE PRUNERS

WEED CUTTERS

KEEN KUTTER HAND, RIP AND PANEL SAWS

FOR BETTER — FASTER — EASIER WORK

- Perfect design appeals to every skilled craftsman who wants finest results and most satisfactory workmanship.
- Made by experienced saw makers to give long, dependable service.
- Weatherproof finish handle set at angle that assures proper balance for easy handling. Securely fastened to blade. Large, comfortable grip.
- Thin back for quick, easy clearance.
- **KEEN KUTTER** and guaranty etched on blade
- Guaranteed against defects in material or workmanship.
- Razor-edge teeth cut smoother and deeper.

STANDARD OF AMERICA FOR QUALITY

Mechanic's tool. Highest grade crucible spring saw steel, specially tempered and extra polished. Full taper ground. Thin back. Teeth full bevel filed and hand set. Full carved hardwood handle, securely fastened with nickel-plated brass screws.



REGULAR PATTERN—SKEW BACK

Length cutting edge 26 inches. Width blade at butt 7 1/4 inches, at point 2 inches. Five screws.

TB K88/26—Hand. Points per inch, 6, 7, 8, 9 and 10 Each \$2.95

TB K88R26—Rip. Points per inch, 5, 5 1/2 and 6 Each 2.95

Weight per dozen 24 lbs.

Panel—Four Screws

Nos.	TB K88P20	TB K88P22	TB K88P24
Length, cutting edge, inches	20	22	24
Width blade at butt, inches	6	6 1/4	6 3/4
Width blade at point, inches	1 1/2	1 5/8	1 3/4
Points per inch	9, 10, 11	8, 9, 10	8, 9, 10
Weight per dozen, lbs.	18	20	22
Each	\$2.00	2.25	2.45



SHIP PATTERN—SKEW BACK

Length cutting edge 26 inches. Width blade at butt 6 3/4 inches, at point 1 1/2 inches. Five screws.

TB K88S—Hand. Points per inch, 7, 8, 9 and 10 Each \$2.95

TB K88RS—Rip. Points per inch, 5 1/2 and 6. Each 2.95



SHIP PATTERN—STRAIGHT BACK

Highest grade crucible spring steel blade, extra polished. Taper ground. Thin back. Teeth accurately set and filed. Full carved applewood handle, securely fastened with nickel-plated brass screws.

Length cutting edge 26 inches. Width blade at butt 6 3/4 inches, at point 1 1/2 inches. Five screws.

TB K816S—Hand. Points per inch, 7, 8, 9 and 10 Each \$2.95

Weight per dozen 20 lbs.
One-third dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.



SHIP PATTERN—STRAIGHT BACK

Mechanic's tool. High grade spring saw steel blade, extra high finish. Full taper ground, thin back. Teeth hand filed and set. Carved walnut finish, hardwood handle, securely fastened with nickel-plated screws. Length cutting edge 26 inches. Width blade at butt 6 inches, at point 1 1/4 inches. Five screws.

TB K27/26—Hand. Points per inch, 8, 9 and 10 Each \$2.45

Weight per dozen 24 lbs.



REGULAR PATTERN—SKEW BACK

Mechanic's tool. High grade spring saw steel blade, extra high finish. Full taper ground, thin back. Teeth hand filed and set. Carved walnut finish, hardwood handle, securely fastened with nickel plated brass screws. Length cutting edge 26 inches. Width blade at butt 7 1/4 inches, at point 2 inches. Five screws.

TB K26/26—Hand. Points per inch, 7, 8, 9 and 10 Each \$2.25

TB K26R26—Rip. Points per inch, 5 1/2 and 6 Each 2.25

Weight per dozen 24 lbs.

Length cutting edge 22 inches. Width blade at butt 6 1/4 inches, at point 1 1/2 inches. Four screws.

TB K26P22—Panel. Points per inch, 9 and 10 Each \$1.85

Weight per dozen 20 lbs.



REGULAR PATTERN—SKEW BACK

High-grade saw steel blade, specially tempered. Thin back. Full bevel filed teeth, properly set. Full carved walnut finish, hardwood handle, securely fastened with nickel plated brass screws.

Length cutting edge 26 inches. Width blade, at butt 6 1/4 inches, at point 1 1/2 inches. Four screws.

TB K24/26—Hand. Points per inch, 7, 8 and 9 Each \$1.65

TB K24R26—Rip. Points per inch, 5 1/2 Each 1.65

Weight per dozen 22 lbs.
One-third dozen in a carton.

HAND RIP AND PANEL SAWS

SIMMONS

For Quality at Low Cost

- Here is the finest saw obtainable at these low prices. Many satisfied users enjoy the long service and many features of this popular-priced tool.
- Ideal for all-around use. Sharp teeth provide free, easy cutting action. Handle securely attached to blade at angle that provides correct balance for accurate cutting. Roomy, comfortable grip. Blade etched.



SKEW BACK

Special steel blade, specially tempered, nicely polished. Teeth properly filed and set. Carved, light brown stained and weatherproof finish beechwood handle, securely fastened with nickel-plated brass screws.

Length cutting edge 26 inches. Width blade, at butt 6 1/4 inches, at point 1 3/4 inches. Four screws.

TB S23/26—Hand. Points per inch 7 and 8...Each \$1.49

Weight per dozen 21 lbs.

Length cutting edge 20 inches. Width blade, at butt 5 1/2 inches, at point 1 3/4 inches. Three screws.

TB S23P20—Panel. Points per inch 9 and 10.....Each \$1.19

Weight per dozen 15 lbs.
One-third dozen in a carton.



SKEW BACK

Special steel blade, specially tempered, nicely polished. Teeth filed and set. Light brown stained and weatherproof finish beechwood handle, securely fastened with nickel-plated brass screws.

Length cutting edge 26 inches. Width blade, at butt 6 1/4 inches, at point 1 3/4 inches. Four screws.

TB S22/26—Hand. Points per inch 8.....Each \$1.19

Weight per dozen 21 lbs.
One-half dozen in a carton.

SIMMONS LEADER

Good quality at a low price.



SKEW BACK

Crucible steel blade, full taper ground, brightly polished and etched. Teeth filed and set to provide fast, smooth sawing. Black and white lacquered handle, firmly attached to blade.

Length cutting edge 26 inches. Width blade, at butt 6 1/4 inches, at point 1 3/4 inches. Four screws.

TB SCC11—Hand. Points per inch 8.....Std. List, Each \$1.59 Each \$1.59

Weight per carton (4) 6 1/2 lbs.
Four in a carton.

KLICHER

Well made, nicely finished saws at a popular price. High quality special analysis tempered spring steel blade, polished and etched. Teeth set ready for use. Natural varnish finish hardwood handle, with brass finish saw screws.



SKEW BACK

Length cutting edge 26 inches. Width blade, at butt 5 1/4 inches, at point 1 3/4 inches. Five screws.

TB 89K26—Hand. Points per inch 8.....Each \$0.89

Weight per dozen 20 lbs.

Length cutting edge 20 inches. Width blade, at butt 4 1/4 inches, at point 1 3/4 inches. Three screws.

TB 69PK20—Panel. Points per inch 10.....Each \$0.69

Weight per dozen 12 lbs.
One-half dozen in a box.

You Can Have Tomorrow's
Kitchen and Bathroom Today

by installing

SIMMONS PLUMBING

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

DISSTON'S HAND, RIP AND PANEL SAWS

FOR EVERY KIND OF SAWING JOB

- Sharp teeth insure smooth cutting. Properly balanced for quick, even strokes. Grip is roomy and comfortable.

- Made of sturdy materials by master saw makers with years of experience. Handle attached to blade at angle that assures proper balance.



REGULAR PATTERN—SKEW BACK

Refined crucible steel blade, polished, striped back, true-taper ground. Applewood handle, weatherproof finish, with covered top and brass screws.

Length cutting edge 26 inches. Width blade, at butt 6 5/8 inches, at point 2 1/4 inches. Five screws.

TY D8/26—Hand. Points per inch, 7, 8, 9, 10 and 11.....Each \$3.25

TY D8R26—Rip. Points per inch, 5, 5 1/2 and 6.....Each 3.25

Weight per dozen 25 lbs.

Panel—Four Screws

Nos.	TY D8/20	TY D8/22
Length cutting edge, inches	20	22
Width blade at butt, inches	5 1/2	5 1/2
Width blade at point, inches	2 1/4	2 1/4
Points per inch	9, 10	9, 10
Weight per dozen, lbs.	16	19
Each	\$2.95	2.95



LIGHT WEIGHT OR SHIP PATTERN SKEW BACK

Refined crucible steel blade, polished, striped back, true-taper ground. Applewood handle, weatherproof finish, with covered top and brass screws.

Length cutting edge 26 inches. Width blade, at butt 5 1/2 inches, at point 1 1/2 inches. Four screws.

TY D8S26—Hand. Points per inch, 7, 8 and 9.....Each \$3.25

TY D8RS26—Rip. Points per inch, 5 1/2.....Each 3.25

Weight per dozen 21 lbs.



LIGHT WEIGHT OR SHIP PATTERN STRAIGHT BACK

Extra refined crucible steel blade, highly polished, striped back, true-taper ground. Full carved applewood handle, weatherproof finish, with covered top and nickel plated screws.

Length cutting edge 26 inches. Width blade, at butt 5 1/2 inches, at point 1 1/2 inches. Five screws.

TB D12S26—Hand. Points per inch, 8, 9, 10 and 11.....Each \$5.50

Weight per dozen 23 lbs.
One-third dozen in a carton.



REGULAR PATTERN—STRAIGHT BACK

Refined crucible steel blade, highly polished, striped back, true-taper ground. Full carved applewood handle, weatherproof finish, with covered top and brass screws.

Length cutting edge 26 inches. Width blade, at butt 5 1/2 inches, at point 1 1/2 inches. Five screws.

TY D23/26—Hand. Points per inch, 7, 8, 9, 10, 11.....Each \$3.75

Points per inch, 12.....4.50

TY D23R26—Rip. Points per inch, 5 1/2 and 6.....3.75

Weight per dozen 22 lbs.



REGULAR PATTERN—STRAIGHT BACK

Crucible steel blade, polished, striped back, true-taper ground. Beechwood handle, weatherproof finish, with covered top and brass screws.

Length cutting edge 26 inches. Width blade, at butt 6 3/4 inches, at point 2 1/4 inches. Four screws.

TY D7/26—Hand. Points per inch, 7 and 8.....Each \$3.25



SHIP PATTERN—STRAIGHT BACK

Crucible steel blade, polished, striped back, true-taper ground. Beechwood handle, weatherproof finish, with covered top and brass screws.

Length cutting edge 26 inches. Width blade, at butt 6 1/2 inches, at point 1 1/2 inches. Four screws.

TY D7S—Hand. Points per inch, 7, 8 and 9.....Each \$3.25

Weight per dozen 23 lbs.
One-third dozen in a carton.

*It's Easy to Sponge
the Dirt Off*

SIMMONS
GUARANTEED
ENAMELS

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

DISSTON KEYSTONE HAND SAWS

- Constructed under supervision of skilled saw makers to provide lasting service. Good grade steel blade with striped back. Weatherproof finish handle with grip shaped to fit hand.

- Sharp teeth assure smooth cutting action.
- Blade properly ground to prevent binding.
- An exceptional value at these low prices.
- Useful in every home and on every farm.



**CHALLENGER
SKEW BACK**

Taper ground. Extra high finish. Teeth bevel filed. Full carved hardwood handle stained light brown. Length cutting edge 26 inches. Five screws.
TB NDK6—Cross Cut. Points per inch 8.....Each \$2.35

Weight per dozen 26 lbs.



**DEFENDER
SKEW BACK**

Extra high finish. Thin back. Teeth bevel filed. Carved handle stained light brown. Length cutting edge 26 inches. Five screws.
TB NDK5—Cross Cut. Points per inch 8.....Each \$2.00

Weight per dozen 22 lbs.



**AIR MASTER
SKEW BACK**

Neatly finished. Thin back. Teeth bevel filed. Carved handle stained gun metal. Length cutting edge 26 inches. Four screws.
TB NDK4—Cross Cut. Points per inch 8.....Each \$1.75

Weight per dozen 22 lbs.



**PACEMAKER
SKEW BACK**

Carved hardwood handle, mahogany color. Length cutting edge 20 inches. Four screws.
TB NDK3/20—Cross Cut. Points per inch 9..Each \$1.25

Length cutting edge 26 inches. Four screws.
TB NDK3/26—Cross Cut. Points per inch 8..Each \$1.50

Weight per dozen 22 lbs.
One-third dozen in a carton.



**SPEEDSTER
SKEW BACK**

Carved hardwood handle stained cherry color. Length cutting edge 26 inches. Four screws.
TB NDK2—Cross Cut. Points per inch 8.....Each \$1.25

Weight per dozen 21 lbs.



**LEADER
STRAIGHT BACK**

Hardwood handle stained. Length cutting edge 26 inches. Three screws.
TB NDK1—Cross Cut. Points per inch 8.....Each \$1.00

Weight per dozen 21 lbs.
One-third dozen in a carton.

HAND SAW ASSORTMENTS



Assortment of 12 Disston Keystone hand saws and advertising material.

TB NDKA—
Weight per assortment 24 lbs.

Consists of the Following:

	Each
1 TB NDK1 Leader 26-inch—8 point.....	\$1.00
1 TB NDK2 Speedster 26-inch—8 point.....	1.25
4 TB NDK3/26 Pacemaker 26-inch—8 point.....	1.50
2 TB NDK3/20 Pacemaker 20-inch—9 point.....	1.25
1 TB NDK4 Air Master 26-inch—8 point.....	1.75
1 TB NDK5 Defender 26-inch—8 point.....	2.00
1 TB NDK6 or TB NDK6½ Challenger 26-inch—8 point	2.35
1 TB NDK6 or TB NDK6½ Challenger 26-inch—9 point	2.35

Also

Price tags on all saws.
3 display cards.
Attractive black lacquer finish wood stand, legs of which are slotted to hold 3 Disston Keystone hand saws on each side. Yellow and black card, 19¼ x 7½ inches, at top of display stand, and 2 "Outstanding Value" cards across bottom on each side. The 3 cards lock the stand together, making a rigid, attractive display.

One assortment in a package.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

BACK SAWS

KEEN KUTTER



- Fine teeth and stiff back enable you to cut corner mitres, grooves, and mortise and tenon joints smoother and more accurately. Heavy back stiffens blade. Sharp teeth cut quicker. Blade and handle balanced.

High-grade crucible steel polished blade. Teeth set and filed. Blued steel back. Hardwood handle, weather-proof finish, firmly attached to blade with nickel-plated screws. Length 12 inches, extreme width 3 3/4 inches.

TB K44/12—Weight per dozen 16 lbs.....Each \$2.39

SIMMONS

Remarkable Value at These Popular Prices



• For free, even cutting of corner mitres, grooves, and mortise and tenon joints. Stiff back, fast-cutting teeth. High-grade crucible steel polished blade—rugged, durable. Teeth set and filed. Stiff blued steel back. Hardwood handle, secured to blade with 2 brass screws.

Nos.	Each	Extreme		Wt. Per Doz., Lbs.
		Lgth., In.	Width, In.	
TB S10/12	\$1.19	12	3 1/4	14
TB S10/14	1.49	14	4	16

One-third dozen in a carton.

MITRE BOX SAWS

KEEN KUTTER



- Indispensable for even, accurate cutting required in mitre box work... corner mitres, grooves, mortise and tenon joints. Perfectly balanced for fine work. Blade stiffened by heavy back—stays down in cut. Sharp teeth cut with less effort.

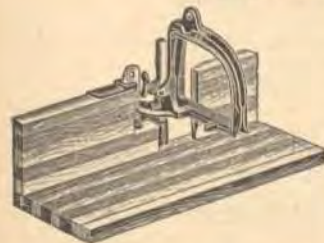
High-grade crucible steel blade, highly polished. Teeth filed and set. Blued steel back. Applewood handle secured to blade with 3 nickel-plated screws. Edges of handle varnished. Length 24 inches. Width under back 4 inches.

TB K44M24—Weight per dozen 33 lbs.....Each \$5.75

One-third dozen in a cardboard box.

MITRE BOXES

PERFECTION PATTERN—ADJUSTABLE



- Takes any back, panel or hand saw. Saw guide can be instantly and accurately set by means of sliding key and notched letter dial. Exact depth cuts can be made by using back saw and adjusting swinging guide.

Hardwood base and back 1 1/2-inch thick, securely glued and doweled—natural finish, varnished. One-piece malleable iron swinging guide, notched dial and frame, black enameled. Lettered dial notched to lock at regular angles from right angle to 45 degrees. Steel post and sliding key. Length base 16 inches, width 6 inches. Height back 4 inches. Length swinging guide 6 inches.

Without Saw

TY P10—Weight each 10 lbs.....Each \$2.98

One in a wood box.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

MITRE BOXES

STANLEY



All these superior features for doing better work faster and easier.

- Tie bar on uprights. Roller bearings in saw guide. Adjustable spurs to prevent work from slipping. Stock guides hold ordinary work tightly against back and provide support for angle and curved pieces. Guides

also hold work so angles less than 30 degrees can be cut. Pointed screws level box and prevent it from sliding. Quadrant graduated in degrees and numbered for sawing 3, 4, 5, 6, 8, 12 and 24-sided figures. Self-clamping swivel locks in any position between numbered index holes.

Automatic catches hold saw above work—both hands can be used for placing work. Length stop for sawing duplicate pieces of practically any length. Other features of adjustment and operation in instructions furnished with each box.

Back, frame and graduated quadrant are one piece of cast-iron. Entire box strongly braced and absolutely rigid. Malleable iron legs practically unbreakable. Attractive finish—base, legs and swivel light blue, aluminum color back, board bright orange.

Complete With First Quality Back Saw

Capacity, inches: right angle—8 1/4, mitre 45°—5 1/2, without stock guide at 30°—3 1/2. Back saw 24x4 inches.

TB 244—Weight each 35 lbs.....Each \$27.95

Capacity, inches: right angle—9 1/2, mitre 45°—6 1/2, without stock guide at 30°—4 1/2. Back saw 28x5 inches.

TB 358—Weight each 40 lbs.....Each \$32.50

Sturdy, Low-Priced and Easy to Use

- Box can be set quickly for any angle of cut by loosening only one screw. Index plate marked for cutting angles from 5 to 50 degrees. Saw guide adjustable up and down—keeps guide close to work for accuracy. Back cut



away—easy to hold work while sawing.

Adjustable bench stops attached to base—hold box in position on bench while you are making a cut. Either back or panel saw can be used; back saw with 4-inch depth under back recommended for best results.

Back, saw guide and index plate heavy gauge wrought steel—welded and ribbed for extra strength. Base made of hard maple, finished with clear lacquer. Metal parts blued and lacquered.

Capacity depth 3 inches. Over-all dimensions 13 1/2 x 4 1/2 inches.

TB 116—Weight each 5 lbs.....Each \$2.39

GEM—FOLDING



- Adaptable to any size or style of hand or back saw. Handy for carpenters, and household use. Will saw at angles of 45 to 90 degrees. Folds conveniently to compact width for carrying or

storing in small space.

Clear selected hardwood, smooth shellacked finish. Cast iron guides and locking pin. Steel hinges. Guides, locking pin and hinges plated with bright, durable finish. Bright finish screws. Size open: length 14 inches, height 3 1/4 inches, width 5 1/4 inches. Size closed: length 14 inches, height 3 1/4 inches, width 2 1/4 inches.

TB G1—Weight each 3 1/2 lbs.....Each \$1.49

One in a carton.

COMPASS SAWS

KEEN KUTTER

- Constructed to withstand strain of curve cutting. Thin back provides easy clearance. Sharp teeth afford fast-cutting action. Handle assures easy grip, securely fastened to blade.



Highest grade crucible spring steel blade, polished. Applewood handle with varnished edges. Two nickel-plated screws.

Nos.	Each	Length	Wt. Per
		Blade, Inches	Dozen, Lbs.
TB K93/12	\$0.89	12	6
TB K93/14	.98	14	6½

One-half dozen in a carton.

EXTRA BLADES

TB K93B12—Polished. For TB K93/12 compass saws. Length 12 inches. Weight per dozen 2 lbs. Each \$0.45

TB K93B14—Polished. For TB K93/14 compass saws. Length 14 inches. Weight per dozen 2¼ lbs. Each .49

Packing—bulk.



High-grade crucible spring steel blade, polished. Beechwood handle with varnished edges. Two nickel-plated screws.

Nos.	Each	Length	Wt. Per
		Blade, Inches	Dozen, Lbs.
TB K86/12	\$0.55	12	6
TB K86/14	.59	14	6½

One-half dozen in a carton.

EXTRA BLADES

TB K86B14—Polished. For TB K86/14 compass saws. Length 14 inches. Weight per dozen 2¼ lbs. Each \$0.29

Packing—bulk.



KLICHER

Good quality steel blade. Sharp, fast-cutting teeth. Beechwood handle firmly attached to blade

with two nickel-plated screws.

Nos.	Each	Length	Wt. Per
		Blade, Inches	Dozen, Lbs.
TY 85/12K	\$0.25	12	6
TB 85/14K	.29	14	6¼

One-half dozen in a carton.



DISSTON

- Adjustable special cluster bolt and wing nut for reversing handle.

Crucible steel polished blade. Thin back. Beechwood handle. Length blade 12 inches.

TB 4—Weight per dozen 5 lbs. Each \$0.95

One-quarter dozen in a carton.

EXTRA BLADES FOR TB 4 COMPASS SAWS

TB 4B—Polished. Length 12 inches. Weight per dozen 2 lbs. Each \$0.50

One dozen in a carton.

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INTERCHANGEABLE COMPASS SAWS

KEEN KUTTER



- Handle equipped with lever and screw for quick changing of blades—saves time and

effort. Reversible for close places. Thin back of blade provides easy clearance. Sharp teeth cut with precision. Highest grade crucible spring steel blade, polished and etched with 6-inch rule etched on back. Carved and varnished applewood handle. Nickel-plated screw and tightening lever. Length blade 12 inches.

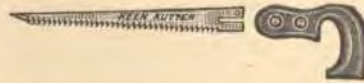
TB K95—Weight per dozen 6 lbs. Each \$0.75

One-half dozen in a carton.

EXTRA BLADES FOR TB K95 COMPASS SAWS

TB K95—Polished. Length 12 inches. Weight per dozen 2 lbs. Each \$0.29

Packing—bulk.



KEEN KUTTER

- Sharp blade holds long-lasting edge.
- Thin back prevents binding.

- Raised screws—handle easily reversed for close work. High grade crucible spring steel blade, polished and etched. Beechwood handle, with varnished edges. Two steel screws. Length blade 12 inches.

TB K92—Weight per dozen 5 lbs. Each \$0.59

One-half dozen in a carton.

EXTRA BLADES FOR TB K92 COMPASS SAWS

TB K92B—Polished. Length 12 inches. Weight per dozen 2 lbs. Each \$0.25

Packing—bulk.

INTERCHANGEABLE NESTS OF SAWS

KEEN KUTTER



- Thin back prevents binding.
- Raised screws for quick changing of blades.

- Cutting in close places easily accomplished with reversible handle.

All blades made of highest grade crucible steel assuring long, efficient service. Polished and etched blades. Keyhole blade for keyholes and sharp corners. Compass blade cuts curves and holes quickly, smoothly. Fast-cutting pruning blade. Beechwood handle, with varnished edges. Two steel screws.

TB K84—Includes: 1 handle (with screws), 1 keyhole blade 10 inches long, 1 compass blade 14 inches long, 1 pruning blade 16 inches long. Weight per dozen sets 9 lbs. Each \$0.75

One-quarter dozen sets in a carton.

EXTRA BLADES FOR TB K84 SAWS

Nos.	Each	Blade	Length	Wt.
			Blade, In.	Per Doz., Lbs.
TB K84B	\$0.10	Keyhole	10	1½
TB K84C	.15	Compass	14	2
TB K84P	.19	Pruning	16	2¼

Packing—bulk.

EXTRA KEYHOLE AND COMPASS SAW BLADES

For No. 83 Nest of Disstons' Saws

Nos.	Each	Blade	Length	Wt. Per
			Blade, In.	Doz., Lbs.
TB 83B	\$0.35	Keyhole	10	1½
TB 83C	.49	Compass	14	2

One dozen in a carton.

KEYHOLE SAWS

KEEN KUTTER

- Razor-like teeth cut keyholes and sharp corners with precision.
- Blade expertly and properly tempered to hold lasting edge.



Highest grade crucible spring steel blade. Thin back prevents binding. Applewood handle with varnished edges, securely attached to blade with 2 brass saw screws.

Length blade 10 inches.

TB K91—Weight per dozen 4 lbs.....Each \$0.59

One-half dozen in a carton.

Iron Pad



Reversible—for cutting in places hard to reach. Butt end forms handy screw driver blade.

Highest grade crucible spring steel blade. Thin back prevents binding. Japanned malleable iron handle 4 1/4 inches long, 1 1/4 inches wide. Knurled nickel-plated thumb screw with round flat head provides quick, easy adjustment.

Length blade 7 inches.

TB KP—Weight per dozen 2 1/2 lbs.....Each \$0.49

EXTRA BLADES FOR TB KP SAWS

TB KB—Polished. Weight per dozen 1/2 lb.....Each \$0.25

One dozen in a carton.

COPING SAWS

ADJUSTABLE

KEEN KUTTER



- Blade may be faced up, down or sideways. Flat steel frame nickel-plated—holds either 6 or 6 1/2-inch blades. Black enameled wood handle with nickel-plated ferrule. Length handle 4 inches. Depth under back 4 3/4 inches. Length over all 11 1/4 inches.

TB K30—For 6 or 6 1/2-Inch Blades. Complete with one 6 1/2-inch blade. Weight per dozen 5 1/2 lbs.Each \$0.35

One-half dozen in a carton.

EXTRA BLADES FOR KEEN KUTTER COPING SAWS

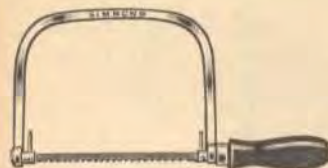
TB KEB30—6 1/2-inch. Cut from tempered saw steel. Pin ends. Weight per gross 3/4 lb.....3 for \$0.05

One dozen in an envelope; one gross in a carton.

TB KB6 1/2—6 1/2-inch. Cut from tempered saw steel. Teeth filed all 11 1/2 inches. Weight per gross 3/8 lb.....2 for \$0.05

One dozen in a package; one gross in a carton.

SIMMONS



- Pin end blade can be faced in any direction desired.

Heavy flat steel frame, nickel plated. Black finish, hardwood handle with nickel plated steel ferrule. Length of handle 4 inches. Depth under back 5 inches. Length over all 11 1/2 inches.

TB S25FC—Complete with one 6 1/2-inch pin end blade. Weight per dozen 5 lbs.Each \$0.25

One dozen in a box.

COPING SAWS

KLICKER



Ends of frame are double notched so blade can be inserted in any position desired. Loop end blade.

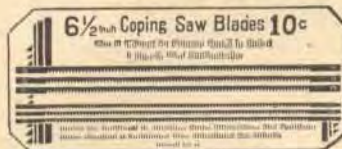
Heavy round steel frame, nickel plated. Red enameled hardwood handle with nickel plated ferrule. Length of

handle 4 inches. Depth under back 5 inches. Length over all 10 inches.

TB 10FCK—Complete with one 6-inch loop end blade. Weight per dozen 4 lbs.Each \$0.10

One dozen in a box.

COPING SAW BLADES



Good quality blades at a low price!

Polished carbon spring tempered steel. Pin ends. Length 6 1/2 inches. Assorted widths 3/8 and 1/2 inch.

TB 66 1/2 C—Card of 6 blades. Assorted 3—1/8-inch and 3—3/8-inch wide. Weight per dozen cards 1 lb.....Each \$0.10

TB 36 1/2 C—Card of 3 blades. Assorted 2—1/8-inch and 1—3/8-inch wide. Weight per dozen cards 3/4 lb.....Each .05

One and two-thirds dozen in a carton.

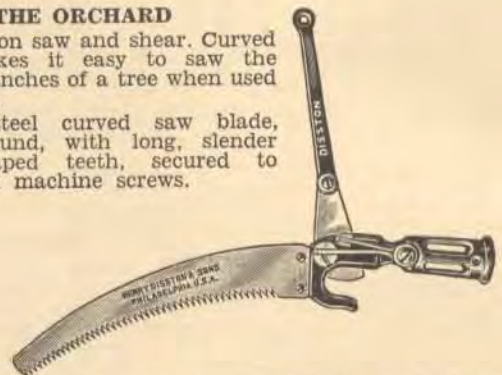
PRUNING SAWS

DISSTON—POLE PATTERN

THE ORCHARD

Combination saw and shear. Curved blade makes it easy to saw the higher branches of a tree when used with pole.

Disston steel curved saw blade, taper ground, with long, slender needle-shaped teeth, secured to hook with machine screws.



Malleable iron frame and socket. Cadmium plated to resist rust. Hardened and tempered Disston steel shear blade, with steel lever. Strong spring returns shear blade to open position. Hook will take limb up to 3/4 inch.

Teeth per inch 8. Length saw blade 9 1/2 inches. Length shear blade 4 inches, with 1 1/2-inch cutting edge. Diameter socket 1 1/4 inches. Length 2 1/4 inches.

TB 55—Weight per dozen 20 lbs.....Each \$3.89



Blade attached to socket with a wing-nut adjustment which permits blade to be used at various

angles. Hook on socket for pulling branches out of trees and hanging saw when not in use.

Disston steel curved saw blade, taper ground, with long, slender, needle-shaped, 8 per inch.

Malleable iron socket, aluminized. Teeth per inch 8. Length blade 9 1/2 inches. Diameter socket 1 1/4 inches. Length 4 inches.

TB 111—Weight per dozen 12 lbs.....Each \$2.39

One-sixth dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

PRUNING SAWS

Keep your trees, shrubbery and hedges attractively trimmed.

REGULAR PATTERN PRUNERS

KEEN KUTTER



Handle has a large hand hole for gloved hand.

Highest grade crucible steel blade, tempered, polished and etched. Has 2 cutting edges—one side plain cross-cut teeth with 8 points per inch, the other side lumberman or lightning style.

Stationary beechwood handle with varnished edges, securely attached to blade with 3 brass screws. Length blade 18 inches.

TB K102—Weight per dozen 9 lbs.....Each \$1.19

One-third dozen in a carton.



Easily Used in Narrow Places.

Swivel for adjusting blade to cut at 3 different angles.

Handle has larger and roomier opening than ordinary types, enabling operator to use comfortably when wearing a glove.

Polished flat steel frame, spring tempered, $\frac{3}{4} \times \frac{7}{8}$ inch. Beechwood handle with varnished edges, firmly fastened to frame with 3 brass screws. Highest grade crucible steel blade, tempered; blued finish.

Length blade 18 $\frac{1}{2}$ inches, width $\frac{1}{2}$ -inch. Depth under back at heel 4 $\frac{1}{4}$ inches, under back at point $\frac{3}{4}$ -inch.

TB K25/18—Weight per dozen 22 lbs.....Each \$2.39

EXTRA BLADES FOR TB K25/18 PRUNING SAWS

TB K25/18B—Weight per dozen 2 lbs.....Each \$0.35



ATKINS Tuttle Tooth

Extra large and roomy opening in handle for gloved hand.

Finely tempered high-grade special steel blade, with extra sharp teeth, polished finish. Air-dried, varnished beechwood handle, Davey pattern, reinforced by dowel pin to make it rigid. Handle fastened to blade by 3 brass screws and 1 medallion. Fully lacquered and polished.

Length blade 20 inches, width at butt 5 $\frac{1}{2}$ inches, width at point 1 $\frac{1}{2}$ inches.

TB 40/20—Weight per dozen 17 lbs.....Each \$2.95

One-half dozen in a carton.

Curved blade tapers from point to butt for use in close quarters. Reverse rip teeth to cut on pull stroke. Comfortable grip handle.



KEEN KUTTER CALIFORNIA PATTERN CRESCENT CUT

• Razor-like cutting edge saws soft or hard wood. Highest grade crucible steel curved blade, polished and etched. Curved varnished beechwood handle rigidly attached to blade with 3 rust-resisting nickel-plated screws. Reverse teeth set and filed. Length blade 14 inches.

TB K103—Weight per dozen 9 lbs.....Each \$1.49



ATKINS—Long Handle

Atkins silver steel curved blade, tempered, ground and polished. Beechwood handle, fully lacquered, secured to blade with 2 nickeled screws. Hook back, draw cut, peg teeth, 5 $\frac{1}{4}$ points per inch. Length blade 14 inches, width at butt 2 $\frac{1}{4}$ inches, width at point $\frac{5}{8}$ -inch. Length over all 25 inches.

TB 23/14—Weight per dozen 11 lbs.....Each \$1.69



ATKINS

Atkins silver steel curved blade. Handsomely lacquered beechwood

handle, secured to blade with two nickeled screws. Needlepoint reverse peg teeth, seven points per inch. Length blade 14 inches, width at butt 1 $\frac{1}{2}$ inches, width at point $\frac{1}{4}$ -inch. Length over all 20 $\frac{1}{2}$ inches.

TB 20—Weight per dozen 7 lbs.....Each \$1.49



DISSTON

Taper ground curved blade. Hardwood handle, lacquered orange color, secured to handle with 3 rivets. Reverse teeth, 8 points per inch. Length blade 14 inches, width at handle 1 $\frac{3}{8}$ inches. Length over all 20 $\frac{1}{2}$ inches.

TB 166—Weight per dozen 6 $\frac{1}{2}$ lbs.....Each \$1.49

One-half dozen in a carton.

Build Your Home Work Shop with

KEEN KUTTER TOOLS

—They Do Fine Work and They Last a Long Time

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

WOOD SAWS

SIMMONS



Hardwood frame, painted red and varnished. Single riveted double brace, with 26½-inch long arm and 22-inch tinned clipper steel stretcher rod.

Complete With Blade

TB S93/30—With No. TB S93030 Simmons Champion tooth blade. Weight per dozen 55 lbs.....Each \$1.49

KLICKER



Hardwood frame, with single riveted double brace, painted red with 26-inch long arm. Plain clipper stretcher rod. Complete with straight breast, bright finish blade.

Blades 30 Inches Long

TB 98K—With 1½-inch plain tooth blade No. TB 98KB30Each \$0.98

TB 125K—With 1¾-inch Champion tooth blade No. TB 125KB30.....Each \$1.09

Weight per dozen 50 lbs.
One-half dozen in a carton.

WOOD SAW BLADES

KEEN KUTTER

Highest grade crucible steel, patent ground and tempered. Full polished. Extra thin back. Teeth accurately filed and set. Straight breast.



Champion Tooth

TB K86B30—Length 30 inches. Width at center 2¼ inches. Weight per dozen 6¼ lbs.....Each \$0.75

SIMMONS

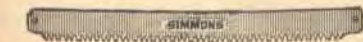
High grade crucible steel. Flat ground and tempered. Polished finish. Thin back. Teeth carefully set and filed. Straight breast.



Common Tooth Assorted 4½ to 5½ points.

Length 30 inches. Width at center 2 inches.

TB S910/30—Weight per dozen 5½ lbs.....Each \$0.49



Champion Tooth

Length 30 inches. Width at center 2 inches.

TB S930/30—Weight per dozen 5½ lbs.....Each \$0.59

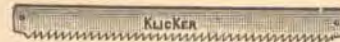
One dozen in a package.

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WOOD SAW BLADES

KLICKER

• High-grade special steel, bright finish. Flat ground and tempered—teeth carefully filed and set. Straight breast.



Common Tooth Points per inch 4½.

Length 30 inches. Width at center 1½ inches.
TB 98KB30—Weight per dozen 5¼ lbs.....Each \$0.35



Champion Tooth

Length 30 inches. Width at center 1¾ inches.
TB 125KB30—Weight per dozen 6 lbs.....Each \$0.49

One dozen in a package.

SAW RODS



Controls blade tension. Polished steel rods.

Malleable turnbuckles, sturdy wire loops 5 inches long. Length 22 inches.
TB 122—Weight per dozen 5 lbs.....Each \$0.25

One dozen in a package.

KITCHEN SAWS

KEEN KUTTER



Sharp teeth provides faster, more even cutting. Comfortable grip makes sawing easier.

Polished flat steel back ½ x 7/8 inches. Crucible steel blade, polished and etched—securely riveted to frame. Beechwood handle—with varnished edges—length 5¼ inches, width 4 inches. Handle securely fastened with 2 steel screws.

Nos.	Each	Depth			Wt. Per Doz., Lbs.
		Blade, Inches	Back, Inches	Length Over All, Inches	
TB K01/14	\$0.79	14	3¼	18	12
TB K01/16	.89	16	3¼	20	13

KLICKER



An economical and useful addition to any kitchen.

Polished flat steel back ½ x 7/8 inches. Bright steel blade, 14 inches long. Beechwood handle, length 5 inches. Handle firmly fastened with 3 screws. Depth under back 3¼ inches, length over all 18¼ inches.
TB 1K14—Weight per dozen 10½ lbs.....Each \$0.59

One-half dozen in a carton.

BUTCHERS' SAWS

COLUMBIA



Sturdy frame. Wing thumb nut for easy adjustment.

Polished steel frame ¾ x ¼ inches. Blued spring steel blade 1½ inches wide. Beechwood handle with varnished edges. Length 7 inches, with 3½-inch grip. Handle fastened with 3 steel screws.

Complete With Blade

Nos.	Each	Depth			Wt. Per Doz., Lbs.
		Blade, Inches	Back, Inches	Length Over All, Inches	
TB 25/18	\$1.49	18	4¾	24	25
TB 25/20	1.59	20	4¾	26	26½
TB 25/22	1.69	22	4¾	28	28
TB 25/24	1.89	24	4¾	30	30

One-third dozen in a carton.

BUTCHER SAW BLADES



KEEN KUTTER

Highest Grade Blued Steel Continuous 25-foot length of crucible spring steel. Blade properly tempered and hardened. Teeth filed and set. Blade ready for use but not punched.

Nos.	Per Foot	Width, Inches	Teeth Per Inches	Weight Per Coil, Lbs.
TB KF 1/2	\$0.10	3/4	14	1 1/4
TB KF 5/8	.10	7/8	11	1 1/2
TB KF 3/4	.12	3/4	11	1 3/4

One coil in a carton.

Packaged in special cardboard container with full directions for use.

BUTCHER SAW PUNCHES



These small, powerful punches are just the thing for punching holes in ends of butcher saw blades as these blades are not usually punched for use when new. Punches 1 1/4-inch hole. Nickel-plated malleable iron frame. Polished steel screw and crossbar. Fine tool steel punch and die carefully tempered. Easy-action screw and lever. Length 5 3/4 inches.

TB 2M—Weight per dozen 6 lbs.....Each \$1.00

One-twelfth dozen in a carton.

SAW SCREWS

• Regular pattern. Easily attached. Made of brass—strong, durable.

PLAIN HEAD



TB 1—Small size. For panel saws. Diameter head 1/2 inch. Length 7/8 inchEach \$0.05

TB 2—Large size. For hand or rip saws. Diameter head 1 1/8 inch. Length 7/8 inch.....Each .05

EMBOSSED HEAD



TB 20—Large size. For hand or rip saws. Diameter head 1 inch. Length 1 1/8 inch.....Each \$0.10

Weight per dozen 1 lb.

One dozen in a cardboard box.

TB 1A—Assortment. Consists of 1/4 dozen No. TB 1 and 1/2 dozen No. TB 10.....Per Box \$0.25

TB 2A—Assortment. Consists of 1/4 dozen No. TB 2 and 1/2 dozen No. TB 20.....Per Box .30

One assortment (4 screws) in an individual box. One dozen boxes (48 screws) in a carton.

Weight per dozen boxes 2 1/2 lbs.

COMPASS SAW HANDLES



For No. TB 4 Disston's compass saws. Also for No. 3 Disston's interchangeable nest of saws.

Beechwood, varnished edges. Complete with one screw and lever tightening nut. Length over all 7 1/2 inches. Width 4 inches.

TB 4HC—Weight per dozen 4 1/2 lbs.....Each \$0.49

One dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SAW HANDLES

DISSTON PATTERN



For No. D12 Disston hand and rip saws.

Fine applewood, bored. Fully carved and varnished. Without screws. Length over all 8 1/4 inches. Width 5 1/4 inches.

TB 12H—Weight per dozen 6 lbs.....Each \$1.35

One dozen in a carton.



For No. D23 Disston 26-inch hand saw.

Fine applewood, bored ready for applying. Fully carved. Weather-proof finish. Without screws. Length over all 8 inches. Width 5 1/4 inches.

TB D23H—Weight per dozen 6 lbs.....Each \$1.00



For No. D8 Disston 26-inch hand saws.

Fine applewood, bored ready for applying. Varnished edges. Without screws. Length over all 8 1/4 inches. Width 5 inches.

TB D8H—Weight per dozen 6 lbs.....Each \$0.79

One-half dozen in a carton.



UNIVERSAL

Can also be used on KEEN KUTTER and other hand saws. Designed to fit Disston saws Nos. D7, D8, D12, D15 and D23—sizes 20, 24 and 26 inches.

Beechwood not bored. Varnished weather-proof finish. Length over all 8 inches. Width 4 3/4 inches.

TB 66—Weight per dozen 6 1/2 lbs.....Each \$0.35

One dozen in a carton with one attractive display easel.

KLICKER

Good quality beechwood. Smooth belted. Not bored.



HAND AND RIP

For regular 26 and 28-inch hand and rip saws. Length over all 7 1/2 inches. Width 5 inches.

TB 1KH—Natural finish.....Each \$0.29

TB 2KH—VarnishedEach .35

Weight per dozen 6 lbs.



PANEL

Varnished edges. For regular 18, 20 and 22-inch panel saws. Length over all 6 1/2 inches. Width 4 1/4 inches.

TB 2KP—Weight per dozen 4 1/2 lbs.....Each \$0.29

One dozen in a carton.

HACK SAWS

PISTOL GRIP KEEN KUTTER

- **Rugged construction.** Made of finest materials. High-grade steel frames, full nickel plated and polished. Back reinforced for extra strength. Best quality steel blade provides fast-cutting action.
- **Positive locking feature.** Frame adjustable to fit blades 8 to 12 inches long. Blade may be faced in any of four directions, securely tightened by nickel-plated screw.
- **Roomy handle.** Checkered black composition. Practically unbreakable. Shaped to fit hand comfortably. Sufficient space between frame and handle for gloved hand.



TB K48B—With one 8-inch blade. Weight per dozen 19 lbs.....Each \$1.19



High-grade steel frame $\frac{1}{2}$ x $\frac{1}{2}$ inch. Handle moulded over steel rib extending entire length. Extreme length, extended for 12-inch blade, 18 $\frac{1}{2}$ inches.
TY K75—With one 10-inch blade. Weight per dozen 16 lbs.....Each \$0.69

One in a carton.

- Well made and finished. Popularly priced to give outstanding value. Positive locking feature—blade can be adjusted to face four ways . . . tightened with wing nut.



All Metal
Nickel-plated steel frame $\frac{1}{2}$ x $\frac{1}{2}$ inch. Wrought steel center section and scored handle. Adjustable for blades 8 to 12 inches long. Extreme length, extended for 12-inch blade, 18 inches. Depth of throat 2 $\frac{1}{4}$ inches.
TY 2P—With one 8-inch blade. Weight per dozen 13 lbs.Each \$0.39

One-half dozen in a carton.



Nickel-plated steel frame $\frac{1}{2}$ x $\frac{1}{2}$ inch. Genuine hard rubber handle 4 $\frac{1}{2}$ inches long. Frame adjustable for blades 8 to 12 inches long. Locking device consists of notches on lower edges of sliding section engaging pin through frame. Depth of throat 2 $\frac{3}{4}$ inches. Extreme length, extended for 12-inch blade, 18 $\frac{1}{2}$ inches.
TY 340—With one 8-inch blade. Weight per dozen 11 lbs.....Each \$0.29



• Handy for emergency and repair work—assures exceptional service on odd jobs. Well made and neatly finished. **Positive locking feature**—blade can be faced four directions . . . wing nut for tightening. Solid steel frame $\frac{1}{2}$ x $\frac{1}{2}$ inches, and rear brace. Black stained pistol grip wood handle. Adjustable for 8 to 10-inch blades. Depth throat 2 $\frac{3}{4}$ inches.
TB 2000—With one 8-inch blade. Weight per dozen 6 lbs.....Each \$0.25

One dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

METAL CUTTING SAWS



KEEN KUTTER
Especially suitable for use in wrecking and remodeling frame buildings. Will readily cut

through light metal, nails, etc. Makes smooth, even cut in wood—adapted for close-fitting and finishing work. Highest grade crucible spring steel blade. Full polished and etched. Extra fine, hard tempered teeth carefully filed but not set. Carved and varnished applewood handle. Polished screw and tightening lever. Teeth per inch 12. Length cutting edge 18 inches.

TB K10618—Weight per dozen 12 lbs.....Each \$2.49

One-third dozen in a carton.

HANDY SAWS



ALLWAY

This handy saw cuts tubing, conduit, bone, lath, armored cable, bolts, nails, pipe and in fact everything except hardened steel.

The position of blade on handle can be changed to make it possible to use in four different directions without changing the natural position of the hand.

Unbreakable malleable iron handle. Black enameled tungsten steel saw (24 teeth per inch) with flexible back and hardened teeth. Length blade 7 $\frac{1}{2}$ inches. Length saw over all 10 $\frac{1}{4}$ inches.

TB AH25—Weight per dozen 4 lbs.....Each \$0.25

One-half dozen on an attractive easel-back counter display card 12 $\frac{1}{2}$ x 18 $\frac{1}{4}$ inches.

EXTRA HANDY SAW BLADES



TB AH25EB—For Allway handy saw. Length over all 7 $\frac{1}{2}$ inches, 24 teeth per inch. Weight per dozen 1 lb.....Each \$0.15

One dozen in a carton.

HACK SAW BLADES



STAR FLEXIBLE OR SOFT BACK

Tungsten steel, natural finish. Teeth set and sharpened.

Blue easel-back card 10 $\frac{1}{2}$ x 13 $\frac{1}{2}$ inches printed in bronze.

Consists of 1 dozen 10-inch "Moly" bronze finish hack saw blades — $\frac{1}{2}$

dozen each TB M1018 and TB M1024. Mounted on card.
TY 160—Weight per assortment $\frac{1}{2}$ lb.....Each \$0.20



Here's a real value at a low price—a blade for every cutting job. First quality alloy steel, hardened and tempered, natural finish.

Each card holds three 10-inch carbon steel blades: two 18-tooth for general work and cutting steel of all kinds, one 24-tooth for iron, steel, brass, copper tubing, pipes, metal trim and sheet metal. Blades $\frac{1}{2}$ -inch wide.

TB 310—Weight per gross cards 13 lbs...Per Card \$0.10

One-sixth gross cards in a carton.

HACK SAW BLADES



KEEN KUTTER

- Will do a faster, better job than ordinary hack saw blades.
- Specially made to stand up longer under harder service.

Highest grade tungsten alloy steel, natural finish. Teeth accurately filed and set.

HARDENED

Spring tempered—will not break in frame. Made especially for rough usage.

For General Metal Cutting 14 Teeth Per Inch

Nos.	Each	Size, Inches
TB KR10	\$0.10	10x $\frac{1}{2}$ x.025
TB KR12	.10	12x $\frac{1}{2}$ x.025

For Sheet Metal or Tubing 24 Teeth Per Inch

TB KF10	\$0.10	10x $\frac{1}{2}$ x.025
TB KF12	.10	12x $\frac{1}{2}$ x.025

For Light Sheet Metal or Tubing 32 Teeth Per Inch

TB KFF10	\$0.10	10x $\frac{1}{2}$ x.025
TB KFF12	.10	12x $\frac{1}{2}$ x.025

FLEXIBLE

Hardened teeth, flexible back. For cutting in difficult positions.

For General Metal Cutting 18 Teeth Per Inch

Nos.	Each	Size, Inches
TB KSC8	\$0.10	8x $\frac{7}{16}$ x.025
TB KSC10	.10	10x $\frac{1}{2}$ x.025
TB KSC12	.10	12x $\frac{1}{2}$ x.025

For Sheet Metal or Tubing 24 Teeth Per Inch

TB KFSC8	\$0.10	8x $\frac{7}{16}$ x.025
TB KFSC10	.10	10x $\frac{1}{2}$ x.025
TB KFSC12	.10	12x $\frac{1}{2}$ x.025



SIMMONS

FLEXIBLE

Highest grade carbon steel, natural finish. Teeth set and sharpened.

Hardened teeth, flexible back. For cutting in difficult positions.

For General Metal Cutting 18 Teeth Per Inch

Nos.	Each	Size, Inches
TB SSC8	\$0.05	8x $\frac{7}{16}$ x.025
TB SSC10	.05	10x $\frac{1}{2}$ x.025
TB SSC12	2 for .15	12x $\frac{1}{2}$ x.025

For Sheet Metal or Tubing 24 Teeth Per Inch

TB SFSC8	\$0.05	8x $\frac{7}{16}$ x.025
TB SFSC10	.05	10x $\frac{1}{2}$ x.025
TB SFSC12	2 for .15	12x $\frac{1}{2}$ x.025

One-half gross in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

HACK SAW BLADES

STAR MOLYBDENUM—HEAVY DUTY

- Molybdenum is the vital element in this new blade. An American-mined product, it is used extensively by the government and American industry. By special processes, molybdenum has been adapted to produce a blade with the toughness and durability required in heavy-duty sawing. The blade is finished with a copper-colored rust-proofing material to assure its reaching the user in perfect condition. The teeth are accurately cut and properly set to assure maximum service.



ALL HARD

For Hand Saws

18 Teeth Per Inch—Thickness .025 Inch

Nos.	Each	Lgth., In.	Wid., In.	Wt. Per Doz., Oz.	Std. List, Per Doz.
TB M1018	\$0.30	10	$\frac{1}{2}$	7	\$3.33
TB M1218	.35	12	$\frac{1}{2}$	8	4.00

24 Teeth Per Inch—Thickness .025 Inch

TB M1024	.30	10	$\frac{1}{2}$	7	3.33
TB M1224	.35	12	$\frac{1}{2}$	8	4.00

Six dozen in a carton.

For Power Saws

Greatest efficiency is obtained by starting in machine with light feed and increasing weight as saw cuts into metal.

10 Teeth Per Inch—Thickness .065 Inch

No.	Each	Lgth., In.	Wid., In.	Wt. Per Doz., Oz.	Std. List, Per Doz.
TB M1710	\$1.25	17	1	3 $\frac{1}{2}$	\$14.28

One dozen in a carton.

STAR

Tungsten steel, natural finish. Teeth set and sharpened.



FLEXIBLE OR SOFT BACK

18 Teeth Per Inch

For general all-around purposes.

Nos.	Each	Lgth., In.	Wid., In.	Wt. Per Gross, Lbs.	Std. List, Per Gross
TB 1018F	\$0.10	10	$\frac{1}{2}$	5	\$10.00
TB 1218F	.15	12	$\frac{1}{2}$	6 $\frac{1}{2}$	12.00

24 Teeth Per Inch

For cutting tubing, brass and copper, wrought iron pipe, and other heavy metals.

TB 1024F	.10	10	$\frac{1}{2}$	5	10.00
TB 1224F	.15	12	$\frac{1}{2}$	6 $\frac{1}{2}$	12.00

SPECIAL FLEXIBLE

For general all-around purposes.

18 Teeth Per Inch

No.	Each	Lgth., In.	Wid., In.	Wt. Per Gross, Lbs.	Std. List, Per Gross
TB 1218SF	\$0.15	12	$\frac{1}{2}$	5 $\frac{3}{4}$	\$12.00

One-twelfth gross in a package; one-half gross in a cardboard box; weight per box 2 $\frac{3}{4}$ lbs.

STARRETT HACK SAW BLADES

PROPER BLADES TO USE

HAND

- 14-tooth—steel tubing, structural shapes, high speed steel and tool steel.
- 18-tooth—tool steel, hard metal and light angle iron.
- 24-tooth—drill rod, sheet metal.
- 32-tooth—thin tubing, thin sheet metal.

POWER

- 10-tooth—tool steel, cast iron, heavy angle iron, bronze and brass.
- 14-tooth—for steel tubing, structural shapes, high speed steel and tool steel.

"S-M" MOLYBDENUM

- Will do a better, faster job than ordinary hack saw blades on nickel and Monel metal . . . high speed, manganese or tool steel . . . phosphor bronze, solids, angles, pipe, rails and similar metals.

- These saw blades are the result of long, careful experimental work. They combine the newest developments in heat treating with the hard, long-wearing qualities of molybdenum.



Width ½ inch. Thickness .025 inch.



Nos.	Each	Length, Inches	Teeth Per Inch	Weight		List, Per Gross
				Gross, Lbs.	Per Gross	
TB 839SM12	\$0.35	12	14	6		\$48.00
TB 840SM10	.30	10	18	5½		40.00
TB 840SM12	.35	12	18	6		48.00
TB 841SM10	.30	10	24	5½		40.00
TB 841SM12	.35	12	24	6		48.00

One-half gross in a carton.

Nos.	Each	Size, Inches	Teeth Per Inch	Weight		List, Per Dozen
				Per Dozen, Lbs.	Per Dozen	
TB 850SM12	\$0.85	12x1x.065	10	2¾		\$10.08
TB 850SM14	1.00	14x1x.065	10	3		11.76
TB 850SM17	1.20	17x1x.065	10	3¾		14.28
TB 850SM18	1.25	18x1x.065	10	4		15.12
TB 853SM17	1.50	17x1¼x.065	10	4½		17.85
TB 853SM18	1.55	18x1¼x.065	10	5½		18.90
TB 860SM12	.85	12x1x.049	14	2½		10.08
TB 860SM14	1.00	14x1x.049	14	2¾		11.76
TB 860SM17	1.20	17x1x.049	14	3		14.28

One dozen in a carton.

TUNGSTEN ALLOY STEEL



Width ½ inch. Thickness .025 inch.

Nos.		Length, Inches	Teeth Per Inch	Weight		List, Per Gross
				Gross, Lbs.	Per Gross	
TB 10310	2 for 15c	10	18	5		\$10.00
TB 10312	10c each	12	18	6½		12.00
TB 10210	2 for 15c	10	24	5		10.00
TB 10212	10c each	12	24	6½		12.00

FLEXIBLE BACK TUNGSTEN ALLOY STEEL

Width ½ inch. Thickness .025 inch.

TB 25010	2 for 15c	10	18	5		\$10.00
TB 25012	10c each	12	18	6½		12.00
TB 25210	2 for 15c	10	24	5		10.00
TB 25212	10c each	12	24	6½		12.00
TB 25810	2 for 15c	10	32	5		10.00
TB 25812	10c each	12	32	6½		12.00

HIGH SPEED STEEL

- Unusually flexible yet tough and hard for faster operation.

Width ¾ inch. Thickness .025 inch.

TB 84010	\$0.30	10	18	5		\$40.32
TB 84012	.35	12	18	6½		48.96
TB 84110	.30	10	24	5		40.32
TB 84112	.35	12	24	6½		48.96

One-half gross in a carton.



ALL HARD

Width ¾ inch. Thickness .049 inch.

Nos.	Each	Length, Inches	Teeth Per Inch	Weight		List, Per Gross
				Gross, Lbs.	Per Gross	
TB 255C12	\$0.20	12	10	18		\$24.48
TB 255C14	.20	14	10	21½		28.56
TB 25512	.20	12	14	18		24.48
TB 25514	.20	14	14	21½		28.56

Width 1 inch. Thickness .049 inch.

TB 254B12	\$0.25	12	10	24½		\$32.64
TB 254B14	.30	14	10	27½		38.08
TB 254B17	.35	17	10	33		46.24
TB 254A12	.25	12	14	24½		32.64
TB 254A14	.30	14	14	27½		38.08
TB 254A17	.35	17	14	33		46.24

One-third gross in a carton.

EXTRA HEAVY POWER MACHINE TYPE

Width 1¼ inches. Thickness .065 inch.

TB 952C18	\$0.55	18	10	61½		\$6.30
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One-third gross in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SIMMONS CROSSCUT SAWS

WITHOUT HANDLES



Illustrating Gradual Curve Grinding

- **Steel**—Special analysis saw steel, polished and etched, most suitable for crosscut saws. These saws are unequalled for fast cutting, toughness, uniformity and edge-holding quality.
- **Curve Grinding**—Ground in a line parallel to the cutting edge of the saw. This gives the saw an even thickness throughout the tooth edge and a gradual taper from the tooth to the back. No binding in the kerf—permitting swift, easy cuts, with very little set.

- **Flared Rakers**—The flared raker works with a chiseling effect, gets under and lifts out the shavings. More efficient than the straight raker found on many saws of other makes, which merely scrapes. The flared raker makes sawing easy.
- **Outstanding Value**—These popular priced crosscut saws are the finest in their class. They offer you unparalleled service, long-life duty and super performance.

WIDE BLADE



Perforated Lance Tooth—14x19 Gauge

Nos.	Each	Lgth., Ft.	Width Cntr., In.	Wt. Each, Lbs.
TB S1055½	\$4.50	5½	5¾	5¾
TB S1056	5.00	6	6	7¼



Tuttle Tooth—14x20 Gauge

Nos.	Each	Lgth., Ft.	Width Cntr., In.	Wt. Each, Lbs.
TB S3325½	\$4.50	5½	6¾	5
TB S3326	4.75	6	7	5½



Tuttle Tooth

Nos.	Each	Lgth., Ft.	Width Cntr., In.	Gauge	Wt. Each, Lbs.
TB S1295	\$3.75	5	5½	15x19	4¾
TB S1295½	3.95	5½	5¾	14x18	5¾
TB S1296	4.50	6	6	14x18	7¼



Champion Tooth—14x16 Gauge

Nos.	Each	Lgth., Ft.	Width Cntr., In.	Wt. Each, Lbs.
TB S1285½	\$3.75	5½	5¾	6
TB S1286	4.50	6	6	7½

HALF WIDE BLADE



Perforated Lance Tooth—Curved Back—14x19 Gauge

Nos.	Each	Lgth., Ft.	Width Cntr., In.	Wt. Each, Lbs.
TB S1335½	\$4.50	5½	5½	4½
TB S1336	5.00	6	5½	5½

HALF WIDE BLADE



Perforated Lance Tooth—14x19 Gauge

Nos.	Each	Lgth., Ft.	Width Cntr., In.	Wt. Each, Lbs.
TB S1155½	\$4.50	5½	5½	4½
TB S1156	5.00	6	5½	5½



Dexter Tooth Pattern—14x19 Gauge

Nos.	Each	Lgth., Ft.	Width Cntr., In.	Wt. Each, Lbs.
TB S1205½	\$4.50	5½	5¾	5½
TB S1206	4.75	6	5¾	7



Diamond Tooth—14x18 Gauge

Nos.	Each	Lgth., Ft.	Width Cntr., In.	Wt. Each, Lbs.
TB S4045½	\$4.50	5½	5½	4½
TB S4046	4.75	6	5½	5½

Each saw individually packed in a fibre carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

CROSS CUT SAWS

WITHOUT HANDLES

SIMMONS

- **Steel**—Special analysis saw steel, polished and etched. Most suitable for cross cut saws. These cross cut saws are unequalled for fast cutting, toughness, uniformity and edge holding quality.
- **Flared Rakers**—The flared raker works with a chiseling effect, gets under and lifts the shavings. More efficient than the straight raker found on many saws of other makes, which merely scrapes. The flared raker makes sawing easy.
- **Outstanding Value**—These popular priced cross cut saws are the finest in their class. They offer you unparalleled service, long-life duty and super performance.

FELLING MEDIUM WIDE BLADE



Tuttle Tooth—14x17 Gauge

Nos.	Each	Lgth., Ft.	Width Cntr., In.	Wt. Each, Lbs.
TB S4055 1/2	\$4.25	5 1/2	4 1/2	5
TB S4056	4.50	6	4 1/2	5 1/2

NARROW BLADE



Perforated Lance Tooth—14x17 Gauge

Nos.	Each	Lgth., Ft.	Width Cntr., In.	Wt. Each, Lbs.
TB S3255 1/2	\$4.50	5 1/2	4 1/2	5
TB S3256	5.00	6	4 1/2	5 1/2

NARROW HOLLOW BACK BLADE



- **Taper ground** gradually thinner from teeth to back for easy running and fast cutting.

Perforated Lance Tooth—15 Gauge

Nos.	Each	Length, Feet	Width Center, Inches	Weight Each, Lbs.
TB S2055	\$2.59	5	3 1/4	4 1/2
TB S2055 1/2	2.89	5 1/2	3 1/4	4
TB S2056	3.19	6	3 1/4	4 1/2
TB S2145 1/2	3.30	5 1/2	3 3/4	4 1/2
TB S2146	3.65	6	3 3/4	4 1/2



Champion Tooth—15 Gauge

Nos.	Each	Length, Feet	Width Center, Inches	Weight Each, Lbs.
TB S2085	\$2.29	5	3 1/4	3 1/2
TB S2085 1/2	2.49	5 1/2	3 1/4	4
TB S2086	2.69	6	3 1/4	4 1/2



Diamond Tooth—15 Gauge

Nos.	Each	Length, Feet	Width Center, Inches	Weight Each, Lbs.
TB S2035	\$2.49	5	3 1/4	3 1/2
TB S2035 1/2	2.69	5 1/2	3 1/4	4
TB S2036	2.89	6	3 1/4	4 1/2

Each saw individually packed in a fibre carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

ATKINS'

- Forged from high grade tool steel—polished and etched. Ground gradually thinner from teeth to back. Teeth filed and set.

WIDE BLADE



Segment Ground—even gauge throughout entire length of toothed edge. Taper from edge to back is uniform from end to end, assuring smooth cutting and free running.

Concave Tooth Dexter

No.	Each	Lgth., Feet	Width Center, Inches	Gauge	Weight Net, Lbs.
TB A220/6	\$7.50	6	7	14x19	6 1/2



Taper Ground—requires very little set and will not chatter or bind.

Tuttle Tooth

Nos.	Each	Lgth., Feet	Width Center, Inches	Gauge	Weight Net, Lbs.
TB A332/5 1/2	\$7.50	5 1/2	6 3/8	14x19	6
TB A332/6	7.95	6	7	14x19	6 3/4
TB A332 1/2 5 1/2	7.50	5 1/2	6 3/8	14x20	5 3/4
TB A332 1/2 6	8.25	6	7	14x20	6 1/2



VICTOR—PERFORATED LANCE TOOTH—GAUGE 14x18

Length 6 feet. Width at center 6 3/4 inches.

TB A225/6—Weight each 7 lbs.....Each \$7.95



LONE STAR—DIAMOND TOOTH—14x18 GAUGE

Length 6 feet. Width at center 5 3/4 inches.

TB A223/6—Weight each 5 lbs.....Each \$6.95

NARROW HOLLOW BACK BLADE

High grade special steel, polished and etched. Teeth filed and set.



DIAMOND TOOTH—14 GAUGE—FLAT GROUND

Nos.	Each	Length, Feet	Width at Center, Inches	Weight Net, Lbs.
TB A384/5 1/2	\$3.95	5 1/2	3 1/4	4
TB A384/6	4.25	6	3 1/4	4 1/2

For shipment, one to six wide blade, or one to twelve narrow blade saws, as ordered, are fastened to a board weighing 7 lbs.

CROSS CUT SAWS

SIMMONS

- High-grade tool steel, polished and etched. Tempered to proper hardness. Teeth filed and set.

WIDE BLADE

Crescent ground in line parallel to cutting edge for even thickness throughout tooth edge and accurate taper from tooth to back—insures uniform cut.



Perforated Lance Tooth

Nos.	Each	Length, Feet	Width, Center, Inches	Gauge	Weight, Each, Lbs.
TB 324/5½	\$8.95	5½	5¾	15x20	5½
TB 324/6	9.95	6	5¾	14x19	5¾
TB 324/6½	11.95	6½	6¼	14x19	6½



Perforated Lance Tooth

Nos.	Each	Length, Feet	Width, Center, Inches	Gauge	Weight, Each, Lbs.
TB 133/5½	\$8.95	5½	5½	15x20	4½
TB 133/6	9.95	6	5¾	14x19	5
TB 133/6½	11.95	6½	6	14x19	5½
*TB 133/7	13.00	7	6½	14x19	6



Perforated Lance Tooth—14x19 Gauge

No.	Each	Length, Feet	Width, Center, Inches	Gauge	Weight, Each, Lbs.
TB SC22/6	\$9.95	6	7	6¾	6¾

For shipment, one to six wide-blade or one to twelve narrow-blade saws, as ordered, are fastened to a board weighing 7 lbs.

MEDIUM WIDE BLADE

Taper ground—prevents binding and chattering.



Perforated Lance Tooth

Nos.	Each	Length, Feet	Width, Center, Inches	Gauge	Weight, Each, Lbs.
TB 202/5½	\$7.50	5½	5¾	15x20	5
TB 202/6	7.95	6	5¾	14x19	6

NARROW BLADE

Crescent ground in line parallel to cutting edge for even thickness throughout tooth edge and accurate taper from tooth to back—insures uniform cut.



Perforated Lance Tooth—14x17 Gauge

Nos.	Each	Length, Feet	Width, Center, Inches	Weight, Each, Lbs.
TB 325/5½	\$8.95	5½	4½	4
TB 325/6	9.95	6	4½	4½

Flat ground—will not bind or buckle.



Perforated Lance Tooth—14 Gauge

Nos.	Each	Length, Feet	Width, Center, Inches	Weight, Each, Lbs.
TB 214/5½	\$4.50	5½	3¾	4½
TB 214/6	4.95	6	3¾	4½

ONE-MAN SAWS

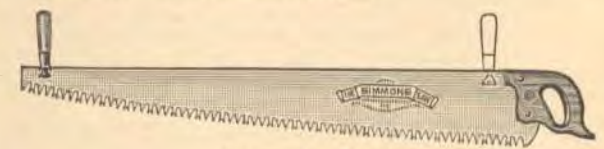
SIMMONS

- High grade saw steel, tempered and carefully ground—polished and etched. Teeth skillfully filed and set.



Perforated Lance Tooth

Nos.	Each	Length, Feet	Weight, Each, Lbs.
TB S3103½	\$3.10	3½	4
TB S3104	3.59	4	4¾
TB S3104½	4.19	4½	5½



Champion Tooth

Nos.	Each	Length, Feet	Weight, Each, Lbs.
TB S3032½	\$2.10	2½	2½
TB S3033	2.59	3	3¼
TB S3033½	2.98	3½	4
TB S3034	3.49	4	4¾
TB S3034½	3.79	4½	5½
TB S3035	4.19	5	6½

Each saw individually packed in a fibre carton.

* Goods marked thus (*) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

CROSS CUT SAW HANDLES



KEEN KUTTER

• Selected hardwood handle stands greater strain—13 $\frac{3}{8}$ inches long, 1 $\frac{1}{2}$ inches in diameter. Smooth belted finish. Extra heavy malleable castings 3 inches long, painted red. Extra large, machine-made, slotted steel bolt, with wing nut and rivet.

TB K22—Weight per pair 2 lbs.....Per Pair \$0.75

STANDARD

Hardwood handle, smoothly finished. Natural finish malleable iron castings. Wing nut and rivet holds handle securely to saw.



Handle 13 $\frac{1}{2}$ inches long, 1 $\frac{1}{2}$ inches in diameter. Extra-heavy castings 3 inches long. Extra large, heavy slotted malleable bolt.

TB 222—Weight per pair 2 lbs.....Per Pair \$0.65



CLIMAX REVERSIBLE PATTERN

Handle 13 inches long, 1 $\frac{1}{4}$ inches wide. Castings 2 $\frac{1}{2}$ inches long. Machined slotted steel bolt.

TB 100—Weight per pair 1 $\frac{1}{2}$ lbs.....Per Pair \$0.50



CLIMAX REVERSIBLE PATTERN

Handle 13 inches long, 1 $\frac{1}{8}$ inches in diameter. Castings 2 $\frac{1}{2}$ inches long. Malleable slotted bolt.

TB 15—Weight per pair 1 $\frac{1}{4}$ lbs.....Per Pair \$0.50

STANDARD—LOOP PATTERN



Seasoned hardwood, belted finish. Heavy wrought steel ferrule adjusted with anti-friction washers. Long neck of malleable end cap threaded for loop bolt. Malleable iron loop bolt 11 $\frac{1}{4}$ inches long with 4-inch slot and strong, extra heavy, well cut threads. Length without loop 8 $\frac{1}{2}$ inches. Diameter 1 $\frac{1}{4}$ inches.

TB 122—Weight per pair 1 $\frac{3}{4}$ lbs.....Per Pair \$0.98



Hardwood, smoothly finished. Malleable iron castings, natural finish. Heavy bell ferrule 1 $\frac{1}{2}$ inches long with notched revolving washer. Malleable loop 7 $\frac{1}{2}$ inches long with 4 $\frac{1}{2}$ -inch slot. Length without loop 10 $\frac{1}{2}$ inches. Diameter 1 $\frac{1}{2}$ inches.

TB 8—Weight per pair 1 $\frac{3}{4}$ lbs.....Per Pair \$0.69



Clear, straight grained hardwood. Perfect castings and loop. Extra strong special loop bolt of $\frac{1}{8}$ -inch half round, hard steel wire, twisted and threaded to form a $\frac{1}{2}$ -inch shank—no welding. Loop bolt 6 $\frac{1}{2}$ inches long with 9 $\frac{1}{4}$ -inch slot. Length without loop 9 $\frac{1}{4}$ inches. Diameter 1 $\frac{1}{4}$ inches.

TB 30—Weight per pair 1 $\frac{1}{4}$ lbs.....Per Pair \$0.45

Ten pairs in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

ONE-MAN SAW HANDLES



REGULAR OR BUTT

Selected beechwood. Plain sides, varnished edges. Not bored and without screws. Length 8 $\frac{1}{2}$ inches. Width 5 $\frac{1}{2}$ inches. Roomy hand hole 3 $\frac{1}{2}$ x1 $\frac{1}{4}$ inches.

TB B—Weight per dozen 7 lbs.....Each \$0.39

One dozen in a cardboard box.



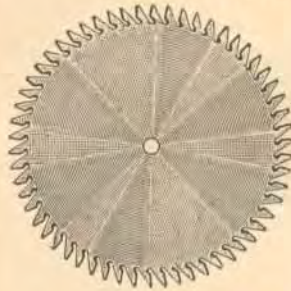
SUPPLEMENTARY OR POINT

Natural finish beechwood—length 5 $\frac{1}{4}$ inches, diameter 1 $\frac{1}{8}$ inches. Polished ferrule 1 $\frac{1}{2}$ inches long. Malleable stretcher pin 3 inches long, with rivet and hook.

TB A—Weight per dozen 4 lbs.....Each \$0.29

Packing—bulk.

CORDWOOD SAWS



- Best grade steel. Uniformly hard and tough, tempered to points of sharp teeth—will not break off, split, crack or crumble. Assures long, satisfactory performance.
- Perfect tension insures proper balance for straight, clean cutting.
- Smooth, deep gullets—shaped for maximum cutting efficiency. Can be furnished with hole from 1 to 1 $\frac{1}{2}$ inches.

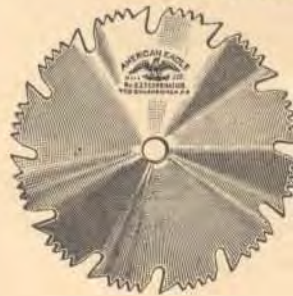
Diameter Hole 1 $\frac{1}{2}$ Inches.

Nos. (Diam., Inches)	Each	Gauge	Number Teeth	Wt. Each, Crated, Lbs.
TB 18	\$ 3.25	13	48	8
TY 20	3.75	13	52	10
TY 22	4.45	12	56	14
TR 24	4.59	11	60	18
TR 26	5.19	11	64	20
TR 28	6.15	10	70	25
TR 30	7.19	10	76	30
TR 32	7.98	10	80	34
TY 34	11.79	9	80	43
TY 36	13.49	9	80	47

Packing—bulk.

CIRCULAR SAWS

AMERICAN EAGLE—COMBINATION



- Especially designed for use in home work shop or in shops where fast production is essential.
- Four cutting teeth to each raker tooth—may be used equally well for cross cutting and ripping. Raker tooth cleans sawdust from cut.
- Carefully made of high-carbon tempered saw steel—will stand fast feed without heating or binding in kerf. Brightly finished.

18-Gauge Steel—Filed and Set.

Nos.	Each	Diameter, Arbor Inches	Hole, In.	R.P.M.	Weight Each, Lbs.
TB E226 $\frac{1}{2}$	\$1.49	6	$\frac{1}{2}$	6830	$\frac{7}{8}$
TB E228 $\frac{5}{8}$	1.95	8	$\frac{5}{8}$	5700	$\frac{7}{8}$

Packing—bulk.

SOLID TOOTH CIRCULAR SAWS



Cross Cut

Mill, Cut-Off, Trimmer, Lath, Slasher and Top Saws

- Cut straight and true. Exact tension insures perfect balance for fast precision cutting—won't bind.
- Forged from best crucible steel to provide dependable service. Uniform temper for strength and toughness. Teeth hold razor-sharp edge, and stand great strain—corners will not crumble. Filed and set for clean, fast cutting.
- Each saw is warranted except as specified below*:



MANUFACTURERS' LIST PRICES

Diam., In.	Std. Fcty. List, Each	Extra for Each Heavier Gauge	Extra for Each Beveling Gauge	Thick- ness, Gauge	Size of Hole, In.	Shipping Weight Each, Lbs.	Diam., In.	Std. Fcty. List, Each	Extra for Each Heavier Gauge	Extra for Each Beveling Gauge	Thick- ness, Gauge	Size of Hole, In.	Shipping Weight Each, Lbs.
# 6	\$ 3.30	\$ 0.07	\$0.25	18	3/4	3/4	# 40	\$ 62.00	\$ 3.40	\$2.95	9	2	100
# 8	4.40	.10	.35	18	7/8	1	# 42	71.00	3.80	3.25	8	2	105
# 10	5.60	.20	.45	16	1	1 1/2	# 44	83.00	4.40	3.55	8	2	115
# 12	7.00	.30	.55	15	1	2 1/2	# 46	98.00	5.15	3.85	8	2	125
# 14	8.50	.40	.65	14	1 1/8	3 1/2	# 48	112.00	5.90	4.15	8	2	136
# 16	10.50	.50	.75	14	1 1/8	4 1/2	# 50	127.00	6.65	4.45	7	2	148
# 18	12.50	.60	.90	13	1 1/4	6	# 52	142.00	7.40	4.80	7	2	160
# 20	15.00	.75	1.05	13	1 1/4	7	# 54	157.00	8.80	5.15	7	2	170
# 22	17.50	.90	1.20	12	1 1/4	10	# 56	180.00	10.25	5.50	7	2	180
# 24	20.50	1.05	1.35	11	1 3/8	13	# 58	200.00	11.75	5.95	7	2	195
# 26	24.00	1.25	1.55	11	1 3/8	16	# 60	224.00	13.25	6.40	6	2	210
# 28	28.00	1.50	1.75	10	1 1/2	21	# 62	250.00	14.75	6.85	6	2	225
# 30	32.00	1.75	1.95	10	1 1/2	24 1/2	# 64	280.00	17.60	7.35	6	2	240
# 32	36.50	2.00	2.15	10	1 5/8	27	# 66	310.00	22.00	7.85	6	2	265
# 34	41.00	2.25	2.35	9	1 5/8	33	# 68	350.00	26.40	8.45	5	2	285
# 36	47.00	2.60	2.55	9	1 5/8	40	# 70	400.00	30.80	9.05	5	2	295
# 38	54.00	3.00	2.75	9	1 5/8	49	# 72	450.00	35.20	9.65	5	2	325

Note to dealer: The symbols "TX" apply to all items listed above.

All saws under 6 inches in diameter take list of 6-inch saw. All saws of odd diameters take list of next larger size. No extra charge for saws one gauge thicker than list. No extra charge for saws one to three gauges thinner than list; when more than three gauges thinner, add 5% for each gauge.

*Saws 48 inches and under, and 62 inches and over, in diameter, more than two gauges thinner than list not warranted. Saws 50 inches to 60 inches in diameter thinner than 10-gauge not warranted.

Saws 42 inches or less in diameter beveled one gauge without extra charge; 44 inches or larger beveled two gauges without extra charge. Saws hollow or concave ground, add for each additional gauge, hollow or concave ground, double the list for beveling.

Saws for cutting bone, horn or ivory, add 50% to the above list. When these saws are hollow or bevel ground the 50% advance is to apply only on the list of straight gauge saw, and not as extras for hollow or bevel grinding.

When ordering mill saws advise diameter, hand, gauge at center and rim, number of teeth, kind of lumber to be cut, speed of saw while buried in log (not while out of cut), H. P. of engine greatest feed, whether mandrel runs cool or warm and templet showing size of holes.

SKILLED CARPENTERS

KNOW AND PREFER

KEEN KUTTER SAWS

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

Prices quoted above are list prices established by manufacturer.

SAW TOOLS—for Cross-Cut Saws

• It's easy to keep your saws in excellent working condition with these saw tools. Compact and light—conveniently carried in tool kits.

KLICKER AND ATKINS



Used as jointer



Used as raker tooth gauge



Used as side file

• Plain iron finish with ground top filing plate quickly adjusted by screw. Sliding file-holding device controlled by screw.

Complete with TB AB Setting

Block (see above), and hardened iron tooth-set gauge 3 3/4 x 1 7/8 inches. Frame 5 1/4 inches wide, 2 1/4 inches high, with three 1/2-inch flanges.

TB CK—Klicker. Cast iron.....Each \$0.39

TB A—Atkins' Excelsior. Malleable iron.....Each .75

Weight per dozen sets 16 lbs.

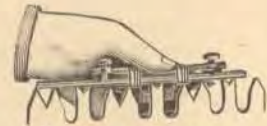
One set in a carton. 12 1/2 dozen sets in a case.

TB AB—Setting blocks (or anvils). Extra hardened iron. For saw tools TB K and TB A. Length 7 1/2 inches. Weight per dozen 8 lbs.Each \$0.25

Packing—bulk.



Frame



Used as jointer



Used as side file



Used as tooth set gauge



Used as setting block

SIMMONDS' CRESCENT

Malleable iron, natural finish. Adjusting screw and 2 file screws. Frame 5 1/2 inches long, 2 1/2 inches high. Setting block, 7 inches long. Tooth set gauge 3 1/2 inches long, 1 1/2 inches wide. Without swage or setting hammer.

TB SC—Weight per dozen sets 24 lbs.....Each \$1.95

One set in a carton.

SAW WEDGES



• Sawing is easier when you use this handy wedge. Keeps cut open—blade won't bind. Solid cast steel, properly hardened. Oil finish. With hole.

Nos.	Each	Length Over All, Inches	Width Bit, Inches	Weight Each, Lbs.
TB 2011 1/2	\$0.45	6 3/4	2 3/8	1 1/2
TB 2012	.49	7	2 1/2	2

Packing—bulk.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SAW SETTING HAMMERS

Set your saws easier, quicker with these special design hammers

KEEN KUTTER



Drop forged from one solid piece of highest grade tool steel . . . thoroughly tested. KEEN KUTTER grade select white hickory handle fastened with SIMMONS' patent wedge—insures safety. Plain eye. Dull black finish. Face, top and cross pein specially tempered and polished. Length over all 11 1/2 inches.

TB KBSS1—Weight without handle 7 ounces. Weight per dozen 8 lbs.....Each \$0.98

One-half dozen in a carton.

ATKINS'



• Specially treated cast steel, brightly polished. Straight grained seasoned ash handle. Slotted pein can be used to set saws without use of other saw setting tools. Plain eye. Plain face and slotted pein. Length over all 10 1/2 inches.

TB 2A—Weight without handle 6 1/2 ounces. Weight per dozen 6 3/8 lbs.....Each \$0.79

One dozen in a carton.

SAW SETS

"THE BULLER"



For setting cord wood rip, cut-off, pond ice and drag saws having not less than 3/8-inch from point to point.

Saves time and pays for itself in a short while.

Answers demand of farmers and saw-rig owners everywhere.

With it teeth can be set uniformly, easily and quickly to factory accuracy without previous experience.

Fine grade malleable iron, black japanned finish. Adjustable gauge screw. Length 12 3/4 inches.

TB CB100—Weight per dozen 15 lbs.....Each \$0.98

Two in a carton, with instructions.

KEEN KUTTER
quality

**SAVES YOU TIME, EFFORT
AND MONEY**

SAW SETS

KLICKER



- Keep your saw blades well set for accurate cutting. Suitable for hand and other fine tooth saws. Skillfully constructed of good material for long, satisfactory service.

Malleable iron. Polished finish. Hardened steel anvil and plunger. Sliding gauge easily regulated by thumb nut. Loose lever handle at top. Length over all 6½ inches.

TB 16K—Weight per dozen 6 lbs.....Each \$0.39

One-half dozen in a wood box.



STANLEY'S "PISTOL GRIP" Adjustable

- For setting hand and other fine tooth saws.

Shape of body and handle enables user to operate tool easily. Saw firmly held against gauge while tooth is being set. Can be

quickly adjusted with handy knurled thumb screw. Anvil graduated—same adjustment may be obtained for duplicate work.

Cast-iron handles and frame. Fine dull black finish. Lever handle equipped with coil spring. Tool steel plunger and anvil, hardened and tempered. Steel knurled set screws. Length at handle 4¾ inches.

TB 42—Weight per dozen 12 lbs.....Each \$2.00

One in a carton.

STANDARD, MORRILL PATTERN



For hand and other fine tooth saws.

Cast iron, full polished. Hardened steel plunger and anvil. Steel spiral spring, screws and sliding gauge. Loose lever handle at bottom. Sliding anvil regulated by thumb screw. Length over all 6½ inches.

TB 1M0—Weight per dozen 7 lbs.....Each \$0.75

One-half dozen in a carton.



For Champion or wide tooth cross-cut saws.

Malleable iron. Polished sides. Hardened steel plunger and anvil. Steel spiral spring, screws and sliding gauge. Loose lever

handle at bottom. Sliding anvil regulated by thumb screw. Length over all 9¼ inches.

TB 4MP—Weight per dozen 19 lbs.....Each \$1.49

One-half dozen in a wood box.

A GOOD COOK NEEDS A
KEEN KOOKER
CAST IRON RANGE
— Just To Make Sure

SAW SETS

STEARNS

- For setting hand and other fine-tooth saws.

Revolving eccentric anvil has required bevel and length of all saw teeth, ranging from 4 to the inch. Dial figures indicate number of teeth per inch. Check nut prevents gauge screw from working loose while setting saw.



Malleable iron, nickel-plated and polished. Hardened special tool steel plunger. Hardened anvil. Loose lever handle at bottom. Finely tempered steel spring. Length over all 7 inches.

TB 395—Weight per dozen 9½ lbs.....Each \$1.10

One-half dozen in a carton.



"PISTOL GRIP"—ADJUSTABLE

Malleable iron handles and frame. Black lacquered finish. Special hardened anvil. Finely tempered steel spring. Length 4¾ inches.

TB 795B—Weight per dozen 12 lbs.Each \$1.00

One in a carton.

SAW CLAMPS

KEEN KUTTER



- Folding pattern for storing in small space.

Angle and channel steel frame, black japanned.

Polished steel eccentric lever on rubber-faced backjaw—locks saw securely against stationary

jaw. Lever is below top of vise, entirely out of the way.

Folding table clamp, opens 2¾ inches. Length over all 12 inches, width 2¾ inches.

TB K500—Weight per dozen 36 lbs.....Each \$1.69

One-sixth dozen in a carton.



- Folding pattern for storing in small space.

Angle and channel steel frame, black japanned.

Polished steel eccentric roller with wire lever, locks saw securely against rubber-faced stationary jaw....

Folding table clamp, opens 2¾ inches. Length over all 11½ inches, width 2¾ inches.

TB 670—Weight per dozen 25 lbs.....Each \$0.98

One in a carton.



Clamps to bench. Holds saw rigid. Plain jaws 9 inches long. Height adjustable from 8 to 9½ inches by side lever screw. Width 4½ inches. Clamp has 1¼-inch opening.

TR 3—Weight per dozen 54 lbs.....Each \$0.95

Packing—bulk.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

CHAMPION LUMBERING TOOLS

PEAVIES

Ruggedly constructed for hard service. Natural finish forged tool steel duck bill hook.



SOCKET PATTERN

Japanned malleable iron socket with lugs. Diamond pointed forged and polished steel pike. Length hook 15 inches. Length pike 4½ inches. Hook ⅞x⅞ inch.

Plain Finish Handles

- TB 907—Rock Maple.** Handle 5 feet long, 2½ inches in diameter at top of socket. Weight per dozen 135 lbs. **Each \$3.98**
- TB 924—Hickory.** Handle 5 feet long, 2½ inches in diameter at top of socket. Weight per dozen 140 lbs. **Each \$4.98**
- TB 910—Rock Maple.** Handle 5 feet long, 2¾ inches in diameter at top of socket. Weight per dozen 140 lbs. **Each \$4.69**
- TB 46—Hickory.** Handle 4 feet long, 2¼ inches in diameter at top of socket. Weight per dozen 120 lbs. **Each \$4.49**
- TB 927—Hickory.** Handle 5 feet long, 2¾ inches in diameter at top of socket. Weight per dozen 145 lbs. **Each \$5.69**

One-half dozen in a crate thoroughly protecting the hooks and handles.

RAFTING PATTERN



Japanned forged steel clasp. One-piece forged steel polished socket and pike. Rock maple handle 4½ feet long, 2½ inches in diameter at clasp. Length hook 15 inches. Length pike 4½ inches. Hook ½x1 inches.

- TB 313—Weight per crate 60 lbs. Each \$3.89**

One-half dozen in a crate.

PIKE POLES



With Pike and Hook

Constructed to withstand rough usage. Pike screwed into handle—won't come loose.

Japanned forged steel pike and hook. Heavy steel japanned ferrule. Selected ash handle 1½ inches in diameter at top of ferrule. Thickness of pike at shank ⅜-inch. Thickness of hook ½-inch. Length of pike 8 inches. Length hook 3 inches.

Nos.	Each	Length Handle, Wt. Per	
		Feet	Doz., Lbs.
TB 239	\$4.95	14	108
TB 240	6.50	16	120
TB 241	8.50	18	132

One-half dozen in a bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

CANT HOOKS

Built for Reliable Service



Japanned malleable iron clasp and extension toe ring. Natural finish handles. Natural finish forged steel duck bill hook. Steel clasp bolt.

Hook 1x⅞ Inches

- TB 6—Rock maple handle** 4½ feet long, 2½ inches in diameter at clasp. Swedes iron clasp and toe ring. Length hook 14 inches. Weight per dozen 96 lbs. **Each \$3.45**

- TB 534—Selected hickory handle** 4½ feet long, 2¾ inches in diameter at clasp. Malleable iron clasp and toe ring. Length hook 14 inches. Weight per dozen 119 lbs. **Each 4.25**

Hook ⅞x⅞ Inches

- TB 454—Rock maple handle** 3½ feet long, 2¼ inches in diameter at clasp. Swedes iron clasp and toe ring. Length hook 11 inches. Weight per dozen 80 lbs. **Each 2.79**

One-half dozen in a crate thoroughly protecting the hooks and handles.



Japanned malleable iron clasp and plain toe ring. Natural finish handles. Natural finish forged tool steel duck bill. Hook 1x⅞ inches. Steel clasp bolt.

- TB 5—Rock maple handle** 4½ feet long, 2½ inches in diameter at clasp. Length hook 14 inches. Weight per dozen 92 lbs. **Each \$3.00**

- TB 15—Rock maple handle** 5 feet long, 2½ inches in diameter at clasp. Length hook 13 inches. Weight per dozen 100 lbs. **Each 3.25**

- TB 211—Hickory handle** 4½ feet long, 2½ inches in diameter at clasp. Length hook 14 inches. Weight per dozen 105 lbs. **Each 3.50**

One-half dozen in a crate thoroughly protecting the hooks and handles.

CLIP TYPE



Japanned malleable iron clip and plain short toe ring. Natural finish handle. Natural finish forged tool steel duck bill. Hook ⅞x⅞ inch. Steel clip bolts.

Handle 2¼ inches in diameter at clip. Length hook 11 inches.

Handle 4½ feet long.

- TB 470—Selected rock maple handle.** Weight per dozen 85 lbs. **Each \$2.95**

- TB 475—Selected hickory handle.** Weight per dozen 90 lbs. **Each 3.50**

One-half dozen in a crate.

CHAMPION LUMBERING TOOLS

TIMBER GRAPPLES



Will take logs or timber from 4 to 16 inches in diameter.

Rock maple, plain finish, handle 2½ inches in diameter at center. Japanned malleable iron clasp securely bolted to handle. Natural finish forged steel hooks, ¾ x ½ inches, attached to swivel clasp with steel bolts. Hooks 10¼ inches long. Handle 4½ feet long.

TB 429—Weight per dozen 94 lbs.....Each \$3.75

One-half dozen in a crate.

Extra Parts for Lumbering Tools

HOOKS ONLY

For Cant Hooks and Peavies



Forged from tool steel, natural finish. Duck bill hook.

Nos.	Each	Length, Inches	Width, Inch	Thickness, Inch	Wt. Per Doz., Lbs.
TB 565	\$1.49	12	1	½	22
TB 20	1.25	12	1	⅞	22
TB 21	1.09	11	¾	⅞	18

PIKE AND HOOK



Forged steel, japanned finish. Threaded shank. Length pike 8 inches, diameter ⅞ inch. Length hook 3 inches, diameter ½ inch.

TB 205—Weight per dozen 9 lbs.....Each \$1.09

Packing—bulk.

TOE RINGS



Forged from Swedes iron, japanned finish. Diameter 1¾ inches. Length 2 inches.

TB 24—Weight per dozen 5 lbs.....Each \$0.35

Malleable iron, japanned finish. Diameter 2 inches. Length 2¾ inches.

TB 25—Weight per dozen 5 lbs.....Each \$0.25

Packing—bulk.

CLASPS

For Cant Hooks and Peavies



Length 2¾ inches. Bolt hole ½ inch in diameter. Hand forged from Swedes iron, japanned. Diameter 2½ inches.

TB 22—Weight per dozen 11 lbs.....Each \$0.75

Malleable iron, japanned finish.



TB 23—Diameter 2½ inches. Weight per dozen 11 lbs.....Each \$0.69

TB 574—Diameter 2¾ inches. Weight per dozen 18 lbs.....Each \$0.75

Packing—bulk.

SKIDDING TONGS

CHAMPION

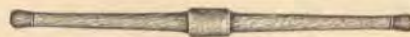


Forged from special octagon tong steel. Natural finish. Heavy round upset joints. Free-action joints. Wrought iron clevises, ring and grab hooks.

Nos.	TB 357	TB 499
Thickness Hooks, Inches	1	¾
Width, Open, Inches	24	21
Length Over All, Inches	32	30
Weight Per Pair, Lbs.	16	14
Each	\$7.50	6.50

Packing—bulk.

TIMBER GRAPPLE HANDLES



Skilfully turned from rock maple. Length 4 feet.

Diameter at center 2½ inches.

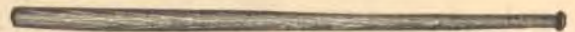
TB 770—Weight per dozen 40 lbs.....Each \$0.98

One-half dozen in a bundle.

LUMBERMEN'S HANDLES

CANT HOOK AND PEAVY

Expertly turned from selected lumber, natural finish. Tough, durable to withstand rough usage.



Rock Maple

Nos.	Each	Measurement	Wt. Per Doz., Lbs.
TB 2514	\$0.89	4 ft. x 2½ in.	40
TB 2514½	.98	4½ ft. x 2½ in.	47
TB 2515	1.09	5 ft. x 2½ in.	48

Selected Hickory

TB 2574½	\$1.39	4½ ft. x 2½ in.	56
TB 2575½	1.69	5½ ft. x 2½ in.	61
TB 2595½	2.25	5½ ft. x 3 in.	73

Two dozen in a crate.



Selected hickory. Hand-turned knob. Burnt rings. Highly polished linseed oil finish. Diameter at largest part 2¾ inches.

Nos.	Each	Measurement	Wt. Per Doz., Lbs.
TB 756	\$1.69	5 ft. x 2¾ in.	58
TB 757	1.89	5½ ft. x 2¾ in.	60

One-half dozen in a bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

GLASS CUTTERS



KEEN CUTTER DIAMOND POINT

• Will cut all ordinary thicknesses of glass easily and accurately. Expertly constructed of highest quality materials. Nickel-plated steel head and ferrule. Genuine cocoa handle, polished. Genuine diamond point at one end of head. Brass-plated steel guide wheel at reverse end. Head $1\frac{1}{8}$ inches long, $\frac{1}{8}$ inch wide. Length over all $3\frac{5}{8}$ inches.

#TB K25—Weight each 2 ounces.....Each \$6.95

One in a leather case in a cardboard box, with instructions for use.

RED DEVIL

For fast, smooth cutting.

- Long reach head, shaped at angle to make reach across glass easy. Smooth finger rest handle.
- Hardened steel wheel and pinion. Cast-iron head and handle. Head polished, handle painted red.



Turret head—the best cutter for painters and outside workers.

Turret head with 6 wheels. Sharp wheel always available—simply turn steel screw in center. Length handle 4 inches. Length over all 5 inches.

TB 48—Weight per dozen $1\frac{1}{4}$ lbs.....Each \$0.45



Ball Knob for Tapping
For rough ribbed and cathedral glass.

Length handle $3\frac{3}{4}$ inches. Length over all $5\frac{1}{4}$ inches.

TB O23—Weight per dozen $1\frac{1}{2}$ lbs.....Each \$0.19



Large Wheel for Pattern Cutting

For plate, heavy, laminated, and polished glass. Length handle $3\frac{3}{4}$ inches. Length over all 5 inches.

TB O31—Weight per dozen 1 lb.....Each \$0.19



Popular model Universal—
for sheet and general glass cutting.

Length handle $3\frac{1}{2}$ inches. Length over all 5 inches.

TB O24—Weight per dozen $\frac{3}{4}$ lb.....Each \$0.17

One in an individual carton. One dozen in a cardboard display box.

FLETCHER



"Gold Tip"

Cast, long-reach head and streamline finger handle with ball tip and beveled edges. Polished head, green handle with gold tip. Standard $\frac{3}{16}$ -inch wheel electrically heat treated for highest cutting efficiency and long life. Hard phosphor bronze bearings. Graphited wheel assembly—wheel runs smoothly. Length 5 inches.

TB O2—Weight per dozen 1 lb.....Each \$0.19

One in a box; one dozen in a carton.

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory. Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

GLASS CUTTERS

DURO



Cast iron head and handle. Bright polished head. Handle painted red. Hardened steel wheel and pinion. Length handle $3\frac{3}{4}$ inches. Length over all $5\frac{1}{8}$ inches.

TB 10—Weight per dozen $\frac{3}{4}$ lb.....Each \$0.10

One dozen in a cardboard box.



Remarkable value at this low price! Red enameled handle. Cast long-reach head and ball tip handle.

Guaranteed wheel for general cutting. Length 5 inches.

TB 65—Weight per dozen $\frac{5}{8}$ lb.....Each \$0.10

One dozen in a carton.

RED DEVIL—CIRCLE SWEEP



Cuts circles 2 to 24 inches in diameter! Makes easy work of circular cuts in plain and plate glass. Steel bar, 12 inches long, $\frac{3}{16}$ inch square, graduated in inches to 16ths. Hardened steel cutting wheel and pinion. Red enameled metal base $1\frac{1}{2}$ inches in diameter—equipped with rubber mat to prevent slipping. Quick-change wheel feature. Bar secured to revolving upright by knurled edge set screw. Complete with 2 extra wheels.

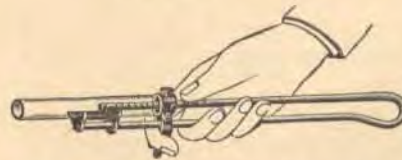
TB 263—Weight per dozen 6 lbs.....Each \$1.59

One in an individual carton, one dozen in a cardboard box.

GAUGE GLASS CUTTERS

RED DEVIL

The best made today—easily operated.



A high grade gauge glass cutter with trigger lever attachment and large rest for

tubes. Fitted with highest grade, easy-to-change wheel. Nickel-plated steel arms of $\frac{3}{16}$ inch round steel. Upper arm graduated in $\frac{1}{4}$ inch. Hardened steel wheel. Adjustable gauge with set screw and trigger lever attachment. Length over all 13 inches.

Operation—Set gauge on arm to size desired; insert upper arm in tube; pull on trigger lever until wheel strikes glass, then turn tube until cut.

TB 9—Weight per dozen 4 lbs.....Each \$1.59

One-half dozen in a cardboard box.

GLASS CUTTER WHEELS

HARDENED STEEL

Assures easy, fast and accurate cutting. For glass cutters 10, O23, O24 and O31.

TB 242—Weight per dozen $\frac{3}{8}$ oz.....Each \$0.15

Packing—bulk.

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BOXED FLINT PAPER



B-A STAR

- Best quality selected fibre paper.
- Gauged, seasoned and tested quartz, properly glued for satisfactory duty.

Sheets 8¾x10½ inches.
In unit packages.

Nos.	Per Box	Grit Nos.	Sheets in a Box	Weight Per Box, Lbs.	Std. List, Per Box
TB SFB00	\$0.95	00	100	3¼	\$1.40
TB SFB0	.95	0	100	3¾	1.40
TB SFB½	1.00	½	100	4½	1.50
TB SFB1	.90	1	75	4	1.25
TB SFB1½	.80	1½	50	3½	.95
TB SFB2	.85	2	50	4	1.10
TB SFB2½	.90	2½	50	5¼	1.20

Ten boxes in a carton.



CLOVER BRAND—GREEN STRIPE

- High quality fibre paper. Properly gauged, seasoned and tested. Quartz coating, glued on, assures reliable service.

Sheets 8¾x10½ inches.

Nos.	Per Box	Grit Nos.	Sheets in a Box	Wt. Per Box, Lbs.	Std. List, Per Box
TB CFB00	\$0.90	00	100	3¼	\$1.40
TB CFB0	.90	0	100	3¾	1.40
TB CFB½	.95	½	100	4½	1.50
TB CFB1	.85	1	75	4	1.25
TB CFB1½	.75	1½	50	3½	.95
TB CFB2	.80	2	50	4	1.10

Ten boxes in a carton.

WETORDRY TRI-M-ITE PAPER

Sandpaper used with water for smoother, finer finishes—no dusting.



- Not affected by hot or cold water. Will not shed the mineral nor wear down the backing because it is water-proofed front and back.

In the finer numbers it rivals the results produced by pumice flour and water on the last coat of rubbing varnish and lacquer.

Tri-M-ite abrasive is a manufactured mineral with a degree of hardness approximating that of the diamond. Always uniform and of the exact temper to give maximum cutting efficiency. Especially recommended for use in paint and machine shops, garages, furniture factories—wherever repainting is done.

Sheets 9x11 Inches

Nos.	Per Sheet	Grit Nos.	Equals Garnet Size	Back- ing No.	Wt. Per Ream, Lbs.	Std. List, Per Quire
TB 400A	\$0.10	400	10/0	A	12	\$1.50
TB 320A	.10	320	9/0	A	12	1.50
TB 280A	.10	280	8/0	A	13	1.50
TB 240A	.10	240	7/0	A	15	1.50
TB 220C	.10	220	6/0	C	18	1.50

24 sheets in a quire.

FLINT PAPER



BAEDER, ADAMSON & CO.

- Tough, durable, selected fibre paper.
- Gauged, seasoned, tested and sifted quartz, properly glued for long wear.

In reams of 20 quires (480 sheets), ½ ream in a package. Sheets 9x11 inches.

Nos.	Reams in Bundle	Weight Per Ream, Lbs.	Std. List, Per Ream
TB AF00	3 for 5c	5 16	\$7.50
TB AF0	3 for 5c	5 18	7.50
TB AF½	3 for 5c	4 20	7.95
TB AF1	3 for 5c	3½ 26	9.00
TB AF1½	3 for 5c	3 30	10.50
TB AF2	3 for 5c	2½ 40	12.15
TB AF2½	3 for 5c	2 46	13.95
TB AF3	5 for 10c	1½ 55	15.90



STAR

- Long-lasting, high grade fibre paper.
- Glue and quartz coating.

In reams of 20 quires (480 sheets); ½ ream in a package. Sheets 8¾x10½ inches.

Nos.	Reams in Bundle	Weight Per Ream, Lbs.	Std. List, Per Ream
TB BF00	3 for 5c	5 15	\$6.75
TB BF0	3 for 5c	5 17	6.75
TB BF½	3 for 5c	5 15	7.20
TB BF1	3 for 5c	4 23	8.10
TB BF1½	3 for 5c	3 25	9.15
TB BF2	3 for 5c	3 32	10.34
TB BF2½	3 for 5c	2 34	11.70
TB BF3	3 for 5c	2 44	13.20

GARNET PAPER

BAEDER, ADAMSON & CO.

- Tough, strong fibre paper.
- Carefully seasoned and tested garnet flint, crushed and sifted, is glued on—gives lasting performance.

In reams of 20 quires (480 sheets); ½ ream in a package. Sheets 9x11 inches.

Nos.	Each	Reams in Bundle	Wt. Per Ream, Lbs.	Std. List, Per Ream
TB AG0	5c	3½	39	\$25.00
TB AG½	6c	3	45	29.00
TB AG1	7c	3	40	33.00

WATER PROOF

For finishing automobiles, furniture—anything with a varnished surface. Particularly handy for interior decorating uses.

Strong fibre paper with selected crushed and sifted garnet flint abrasive. Carefully seasoned and tested. Water-proof composition glue holds abrasive securely to paper.

Nos.	Each	Grit Nos.	Reams in Bundle	Wt. Per Ream, Lbs.	Std. List, Per Ream
TB WG50	5c	180	½	15	\$16.75
TB WG40	6c	150	½	15	19.00
TB WG30	7c	120	½	15	21.00

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

GARNET PAPER IN ROLLS

THREE-M (CLOSED COAT)



- For use on drum, belt, spindle disc or other wood sanding machines.
- Meets most severe sanding conditions.
- Cutting efficiency balanced in the backing to assure maximum life.
- Hugs spindle, drum or disc machines snugly.
- Free from wavy edges and wrinkles.

Heavy rope paper backing (130 lbs.) gives proper reinforcement to cutting surface. Crushed and sifted garnet flint coating—carefully seasoned and tested.

In 50-yard Rolls

Width 24 Inches				
Grade Nos.	Grain Nos.	Nos.	Weight Per Roll, Lbs.	Std. List, Per Roll
20	100	TB 3MG2024	30	\$20.50
10	80	TB 3MG1024	34	27.50
1/2	60	TB 3MG 1/2 24	44	26.30
1	50	TB 3MG124	54	30.00
1 1/2	40	TB 3MG1 1/2 24	63	34.00
2	36	TB 3MG224	76	38.20
2 1/2	30	TB 3MG2 1/2 24	85	42.30

Width 36 Inches				
Grade Nos.	Grain Nos.	Nos.	Weight Per Roll, Lbs.	Std. List, Per Roll
20	100	TB 3MG2036	46	\$30.75
10	80	TB 3MG1036	52	34.05
1/2	60	TB 3MG 1/2 36	65	39.45
1	50	TB 3MG136	81	45.00
1 1/2	40	TB 3MG1 1/2 36	94	51.00
2	36	TB 3MG236	114	57.30
2 1/2	30	TB 3MG2 1/2 36	129	63.45

Width 30 Inches				
Grade Nos.	Grain Nos.	Nos.	Weight Per Roll, Lbs.	Std. List, Per Roll
20	100	TB 3MG2030	28	\$25.60
10	80	TB 3MG1030	43	28.35
1/2	60	TB 3MG 1/2 30	55	32.85
1	50	TB 3MG130	68	37.50
1 1/2	40	TB 3MG1 1/2 30	79	42.50
2	36	TB 3MG230	95	47.75
2 1/2	30	TB 3MG2 1/2 30	107	52.85

Width 42 Inches				
Grade Nos.	Grain Nos.	Nos.	Weight Per Roll, Lbs.	Std. List, Per Roll
20	100	TB 3MG2042	54	\$35.85
10	80	TB 3MG1042	60	39.70
1/2	60	TB 3MG 1/2 42	77	46.00
1	50	TB 3MG142	95	52.50
1 1/2	40	TB 3MG1 1/2 42	110	59.50
2	36	TB 3MG242	132	66.85
2 1/2	30	TB 3MG2 1/2 42	150	74.00

Definition of "units"—As applied to garnet paper in rolls. A single unit comprises one roll 24 inches wide, 50 yards long or its equivalent in square inches (43,200 square inches); this covers rolls wider than 2 inches.

THREE-M-ITE CLOTH

For Sanding, Grinding and Finishing Metal Products.

- Coated with aluminous oxide, an abrasive grain made expressly to meet requirements of metal working industry.
- Hard, sharp and uniform—cuts with great speed without heating.
- Backings selected for specific uses and have proved best for different jobs as recommended.



WORKSHOP UTILITY ROLLS

Especially recommended for general metal sanding use in metal sanding shops, machine shops and garages.

Clean-cut, even strip wound on wooden spools and protected on sides with heavy pressboard shield. Spool may be hung above work bench to permit operator to tear off the desired length quickly without waste or ragged edges.

CLOTH REAMS

Backing of ream stock is flexible—especially designed to give most satisfaction when used on hand sanding operations.

Sheets 9x11 Inches
In Quires (24 Sheets) and Quarter Ream Packages



Nos.	Each	Grit No.	Reams in Bundle	Wt. Ream, Lbs.	Std. List, Per Ream
TB TMC180	12c	180	2 1/2	28	\$54.70
TB TMC150	12c	150	2 1/4	30	54.70
TB TMC120	12c	120	2 1/2	34	54.70
TB TMC80	13c	80	2	44	58.10
TB TMC60	14c	60	2	50	63.10
TB TMC36	15c	36	1	91	78.40

In 50-Yard Rolls

Nos.	Per Foot	Width, Inches	Diameter, Inches	Wt. Per Roll, Lbs.	Std. List, Per Roll
TB 3MC1180	3c	1	6 1/2	1 1/4	\$2.90
TB 3MC1150	3c	1	6 5/8	1 1/4	2.90
TB 3MC1120	3c	1	6 7/8	1 1/2	2.90
TB 3MC180	3c	1	7 1/2	1 3/4	3.00
TB 3MC160	3c	1	9	2 1/4	3.25
TB 3MC1 1/2 180	4c	1 1/2	6 3/8	1 3/4	4.05
TB 3MC1 1/2 150	4c	1 1/2	6 3/4	1 3/8	4.05
TB 3MC1 1/2 120	4c	1 1/2	6 7/8	2 1/8	4.05
TB 3MC1 1/2 80	4c	1 1/2	7 3/4	2 5/8	4.20
TB 3MC1 1/2 60	4c	1 1/2	9	3 3/8	4.50

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

EMERY CLOTH



Highest quality made to give long, satisfactory duty.

In reams of 20 quires (480 sheets); ½ ream in a package. Sheets 9x11 inches.

Nos.	Reams Per Bundle	Wt. in Ream, Lbs.	Std. List, Per Ream
*TB ACC	2 for 15c	2 26	\$30.00
TB AC00	2 for 15c	2½ 28	30.00
TB AC0	2 for 15c	2½ 35	30.00
TB AC½	2 for 15c	2 45	31.20
TB AC1	2 for 15c	1¾ 50	32.75
TB AC1½	2 for 15c	1½ 54	34.30
TB AC2	2 for 15c	1¼ 60	36.50

*Crocus.

CLOVER BRAND—RED-STRIPE, TURKISH

For cutting soft metals and polishing hard metals. In reams of 20 quires (480 sheets); ½ ream in a package. Sheets 9x11 inches.

Nos.	Each	Reams Per Bundle	Wt. in Ream, Lbs.	Std. List, Per Ream
TB CEC00	5c	2½	28	\$30.00
TB CEC0	5c	2½	35	30.00
TB CEC½	5c	2	45	31.20
TB CEC1	6c	1¾	50	32.75
TB CEC1½	6c	1½	54	34.30
TB CEC2	6c	1¼	60	36.50

SANDPAPER



HOUSEHOLD PACKAGE

Assortment permits selection of correct grade for the job. Very handy in the kitchen. Ideal for scouring and polishing steel, iron, tin and aluminumware — removes rust stains and corrosion. Also handy for odd jobs of carpentry around automobile and other similar uses.

Each package consists of 20 sheets of sand paper 4¼x5¼ inches. Assorted

grits in paper wrapper.

TB H10—Weight per dozen cartons 30 lbs. Per Package \$0.10

One dozen packages in an attractive display carton. Six cartons in a fibre case.

CUTTING AND POLISHING CLOTH



HOUSEHOLD PACKAGE

Pots and pans easily kept like new!

Indispensable for scouring and cleaning steel, iron, tin and aluminumware — quickly removes rust, corrosion and stains. Also for general use around home.

Each package contains 6 sheets assorted grits of emery and aluminum oxide cloth. Sheets 4¾x5¾ inches.

TB CHP—Weight per dozen cartons 26 lbs. Per Package \$0.10

One dozen packages of 6 sheets each in an attractive display carton. Three display cartons in a standard carton.

STEEL WOOL



AMERICAN
1 Lb. in a
Cardboard
Tube

- Mass of fine fibre of steel for long wear. Does not scratch. Cuts as smoothly as finest abrasive material.
- Unrivalled for rubbing off varnish, shellac, and other coatings.
- Handy to use instead of sandpaper, pumice stone and other rubbing material.
- Soft and pliable—adapts itself to shape of carvings, mouldings, and similar uneven surfaces, going into places where sandpaper does not get in.

TB 0001—Size 000; very fine.....\$0.59

TB 001—Size 00; equals sandpaper No. 3/0..... .39

TB B01—Size 0; equals pumice stone surface..... .25

TB 10—Size 1; equals sandpaper No. 0..... .25

TB 20—Size 2; equals sandpaper Nos. ½ and 1..... .25

TB 30—Size 3; equals sandpaper Nos. 1½ and 2.... .25

Weight per dozen 14 lbs.

25 1-lb. tubes in a cardboard carton; weight per carton 27 lbs.



AMERICAN
FLEX-FOLD
PADS

Fresh surfaces for
speedy cleaning!

Unsurpassed as a cleaner, polisher or abrasive. More economical, cleaner and easier to use because long, strong strands won't crumble or break up. This material is cut with scientific precision. These new large, closely compressed Flex-Fold pads are made up of one long, strong strand of steel wool and are far more efficient to use than bulk wool because the "Flex-Fold" construction affords fullest use of the steel and the possibility of exposing a fresh surface provides excellence and speed in the work to be done.

Each package contains 16 pads and weighs approximately one pound.

Nos.	Per Package	Grades	Equals Sandpaper No.
TB 00P	\$0.39	00 Fine	3/0
TB 0P	.25	0 Fine	0
TB 1P	.25	1 Medium	1
TB 2P	.25	2 Medium Coarse	2
TB 3P	.25	3 Coarse	3

24 packages in a case; weight per case 26 lbs.

SAND PAPER HOLDERS

RED DEVIL



This sturdy tool holds the new handy size sheet of sand paper, emery paper—also holds one-quarter sheet standard size.

Holds paper taut, has slight bulge in bottom, making a wonderful block for painters, woodworkers, pattern makers and any one using sand paper.

Heavy steel bottom plate 3¼x4¼ inches. Natural finish. Handle red enameled. Easy operating lever control of grip and release.

TB 9—Weight per dozen 8 lbs.....Each \$0.23

One dozen in a display carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

COMBINATION SHARPENING STONES

Sharpens Quick, Easy!

- Made of a selected artificial abrasive, skillfully bonded and specially oil-treated. Cuts freely—will not glaze. Leaves smooth edge. One side medium grain for sharpening, the other side fine grain for finishing.



Size 5½x2x¾ inches.
TB 5½—Weight per dozen 9 lbs.
 Each \$0.29

One-half dozen in a carton.



Exceptional value at this low price!
 Size 7x2x¾ inches.

TB L10—Weight per dozen 6¼ lbs. Each \$0.10

Wrapped in cellophane—one dozen in a carton.

EMERY STONES



Carpenters' Combination Emery Oil Stone

Sharpens knives, chisels and other tools to keen, fast-cutting edge. One side coarse for removing nicks. Other side fine for finishing. Carefully made for long life, satisfactory service.

Size 8x2x1 inches.

TB PO1—Weight per dozen 18 lbs. Each \$0.39

One in a carton.

CUTLER'S STONES



CARBORUNDUM

Makes keen sharp cutting edge without glazing. Use no oil. Combination—

one side coarse for sharpening, other side fine for finishing.

Size 12x2½x1½ inches.

TB CCC—Weight per dozen 35 lbs. Std. List, Per Dozen \$42.00. Each \$3.25

One in a carton.

AXE AND UTILITY STONES



LUTHER-OIL TEMPERED COMBINATION GRIT, MEDIUM AND FINE

For sharpening axes, chisels, hoes, cleavers and similar tools.

High-grade oil-tempered utility sharpening stone—convenient size and shape. Made of selected artificial abrasive grain, skillfully bonded, specially oil-treated. Exceptionally smooth-cutting for keen edge—will not glaze.

TB 3X—Diameter 3 inches, thickness ¾-inch. Weight per dozen 5 lbs. Each \$0.39

One-half dozen in an attractive counter display box.

AXE STONES



KEEN KUTTER

Highest grade white Hindustan grit, free from imperfections. Will not glaze. Handy size and shape. Sharpens to fine Keen-Cutting Edge.

TB KA3—Size, 3x2x¾ inches. Weight per dozen 4 lbs. Each \$0.10

One-third dozen in a carton.
 Twenty-five dozen in a case.

OIL STONES

SIMMONS

UNMOUNTED

Assures keen, smooth-cutting edge!

It's easy to keep knives, chisels and other straightedge tools sharp with this stone. Select, smooth gray grit, free from imperfections.



Nos.	Each	Size, Inches	Weight Per Dozen, Lbs.
TB S6	\$0.39	6x2x1	12
TB S8	.49	8x2x1	15

Wrapped in paper; one-twelfth dozen in a cardboard carton; six dozen in a case.

CARBORUNDUM

This manufactured abrasive is extremely hard—assures long, dependable service. Affords keen, quick-cutting edge. Handy for sharpening cutlery and straightedge tools. Can be used dry, with water or oil.

COMBINATION

One side coarse grain for sharpening. Other side fine grain for finishing.

Can be used dry, with water or oil.



Nos.	Each	Size, Inches	Wt. Per Dozen, Lbs.	List Per Dozen
TB 108	\$1.75	8x2 x1	14	\$21.00
TB 109	1.25	6x2 x1	11	15.00
TB 110	1.50	7x2 x1	12	18.00
TB 111	1.00	5x1 5/8 x 3/4	6	12.00
TB 112	.85	4x1 1/2 x 5/8	6	10.20

REGULAR

Fine grain for keen finishing. Can be used dry, with water or oil.



Nos.	Each	Size, Inches	Wt. Per Dozen, Lbs.	List Per Dozen
TB 118	\$1.35	8x2 x 3/4	10	\$16.20
TB 124	.95	6x2 x 5/8	7	11.40
TB 142	.80	4x1 3/4 x 1/2	3	8.40

One-twelfth dozen in a cardboard box.

UNMOUNTED

For use with oil or water.



TB 1L—8x2x1 Inches. Weight per dozen 15 lbs. Each \$0.25

Six dozen in a case.

OIL STONE SLIPS

SIMMONS

Select smooth gray grit—free from imperfections. Smooth, round edge beveled slips about 3¼ inches long, 2 inches wide.



TB SBS—Weight per dozen 3 lbs. Each \$0.15

One-quarter dozen in a carton.

HOW TO USE OIL STONES FOR BEST RESULTS

Choose an oil stone to conform to your own particular task. Keep it clean and moist . . . because exposure to the air hardens it. That is why we package **SIMMONS** oil stones in individual boxes. For maximum sharpening efficiency, the surface should be kept level and smooth as possible.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

POCKET HONES

KEEN KUTTER



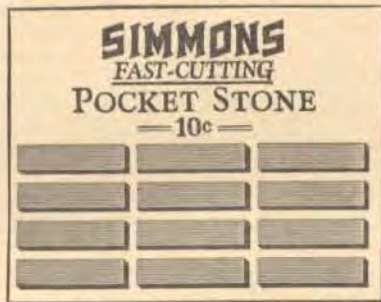
- Puts sharp, fast-cutting edge on pocket knives and small tools.
- Handy in the office for sharpening pen knives, ink scratchers, etc.

- Light, compact, pocket-size—easy to carry.
- Finest quality corundum.

Size $3\frac{1}{2} \times \frac{3}{4} \times \frac{3}{8}$ inches.

TB KCPH—Weight per dozen $1\frac{1}{2}$ lbs. Each \$0.20

One in an individual carton; one dozen in an attractive display box.



SIMMONS

A light, easy-to-carry pocket size stone for sharpening pocket knives and small tools.

Good quality corundum, extremely hard and fast-cutting.

Size $3\frac{1}{2} \times \frac{3}{4} \times \frac{3}{8}$ inches.

TB S10—Weight per dozen $1\frac{1}{2}$ lbs. Each \$0.10

One dozen on an easel counter card $10 \times 12\frac{1}{2}$ inches.

CARBORUNDUM

Made of finest powdered silicon carbide, a specially manufactured abrasive of extreme hardness. Especially useful for sharpening pocket knives, ink scratchers, scissors and small tools. Carefully constructed to assure long, satisfactory service. Handy size.

Each hone in convenient leather case—easily carried in pocket.

One-half dozen on a very attractive display card.

Size $3 \times \frac{3}{4} \times \frac{3}{8}$ inches.

TB 149L—Weight per dozen $1\frac{1}{4}$ lbs.
List per dozen \$3.00
Each 0.25

One dozen in a standard package.
Sold only in full packages.

Each hone in an individual carton.

One dozen on an attractive display card.

Size $3 \times \frac{3}{4} \times \frac{3}{8}$ inches.

TB 149—Weight per card $\frac{3}{4}$ lb. Each \$0.20

Two cards in a package.

PIKE'S FASTCUT

Here's a fast-cutting natural stone that will keep pocket knives and small tools sharp.

Size $3\frac{1}{2} \times \frac{3}{8}$ inches.

TB P—Assorted colored pocket hones. Weight per assortment $1\frac{1}{2}$ lbs. Each \$0.10

One dozen in an attractive cardboard display box.

• Goods marked thus (‡) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

OIL STONE ASSORTMENTS



CARBORUNDUM COMBINATION

- This manufactured abrasive is extremely hard—offers long, reliable service.
 - Sharpens cutlery and straightedge tools quickly and easily.
 - Coarse side takes out the nicks.
 - Fine side finishes edge.
 - Choice of 6 popular sizes.
- Assortment consists of 12 Carborundum oil stones, 6 sizes, one of which is securely attached to display board, plainly numbered. Steel display 23 inches high, $12\frac{1}{2}$ inches wide, lithographed in 4 colors and fitted with easel.

Consists of the Following Stones:

	No.	Each	Size
$\frac{1}{6}$ Dozen	107	\$1.25	4 inches in diameter, 1 inch thick.
$\frac{1}{6}$ Dozen	112	.85	$4 \times 1\frac{1}{2} \times \frac{5}{8}$ inches.
$\frac{1}{6}$ Dozen	111	1.00	$5 \times 1\frac{5}{8} \times \frac{3}{4}$ inches.
$\frac{1}{6}$ Dozen	109	1.25	$6 \times 2 \times 1\frac{1}{4}$ inches.
$\frac{1}{6}$ Dozen	110	1.50	$7 \times 2 \times 1$ inches.
$\frac{1}{6}$ Dozen	108	1.75	$8 \times 2 \times 1$ inches.

TB 10—Weight per assortment 14 lbs.

One assortment in a case.

EMERY

- Highest quality abrasive—assures most satisfactory performance.



GRAIN EMERY

In 10-Lb. Tin Cans		
Nos.	Per Lb.	Grain
TB 60C	\$0.20	60
TB 80C	.20	80
TB 90C	.20	90

In 100-Lb. Kegs

Nos.	Per Lb.	Grain
‡TB 60K	\$0.12	60
‡TB 80K	.12	80
‡TB 90K	.12	90

In 350-Lb. Barrels

Nos.	Grain	Nos.	Grain
‡TB 16B	16	‡TB 60B	60
‡TB 20B	20	‡TB 70B	70
‡TB 24B	24	‡TB 80B	80
‡TB 30B	30	‡TB 90B	90
‡TB 36B	36	‡TB 100B	100
‡TB 40B	40	‡TB 120B	120
‡TB 50B	50	‡TB 150B	150

FLOUR EMERY

In 1-Lb. Cans

Nos.	Per Lb.	Grade
TB CF1	\$0.30	CF (coarsest)
TB F1	.30	F (regular)
TB FF1	.30	FF (1 grade finer than F)

PRECISION GRINDING WHEELS

HY-TENS



- Generally used for grinding materials of high tensile strength . . . carbon steel, hardened steel and similar metals.
- Abrasive from which these wheels are made is aluminum oxide or synthetic corundum.
- Perfectly balanced. Completely dressed on face and sides.
- Hard, fast - cutting, water-resistant.

HY-TENS — VITRIFIED

Nos.	Each	Thick-ness, Inches	Grain and Grade	Wt. Each, Lbs.	Std. List
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Diameter Wheel 6 Inches Diameter Hole 1 Inch

TB P6 1/4 60M	\$1.30	1/4	60-M Med.	1/2	\$2.50
TB P6 1/2 60M	1.40	1/2	60-M Med.	1 1/8	3.00
TB P6 3/4 46M	1.80	3/4	46-M Med.	1 3/4	3.50
TB P6 3/4 60M	1.80	3/4	60-M Med.	1 3/4	3.50
TB P6136P	2.00	1	36-P Hard	2 1/4	4.00
TB P6146M	2.00	1	46-M Med.	2 1/4	4.00
TB P6160M	2.00	1	60-M Med.	2 1/4	4.00

Diameter Wheel 8 Inches Diameter Hole 1 Inch

TB P8 1/4 60L	1.65	1/4	60-L Med.	1	3.45
TB P8 3/8 60L	1.95	3/8	60-L Med.	1 1/2	3.90
TB P8 1/2 60L	2.20	1/2	60-L Med.	2 1/4	4.30
TB P8 3/4 60L	2.65	3/4	60-L Med.	3 1/4	5.15
TB P8 3/4 46M	2.65	3/4	46-M Med.	3 1/4	5.15
TB P8136P	3.00	1	36-P Hard	4 1/2	6.00
TB P8146M	3.00	1	46-M Med.	4 1/2	6.00
TB P8160M	3.00	1	60-M Med.	4 1/2	6.00

Diameter Wheel 10 Inches Diameter Hole 1 Inch

TB P10 1/4 60L	2.40	1/4	60-L Med.	1 3/4	4.75
TB P10 1/2 46M	3.00	1/2	46-M Med.	3 1/2	6.05
TB P10146M	4.25	1	46-M Med.	6 3/4	8.45

HY-TENS—VITRIFIED

Nos.	Each	Thick-ness, Inches	Grain and Grade	Wt. Each, Lbs.	Std. List
Diameter Wheel 10 Inches Diameter Hole 1 Inch					
TB P101 1/2 36P	\$5.85	1 1/2	36-P Hard	9 3/4	\$11.65
TB P101 1/2 24Q	5.85	1 1/2	24-Q Hard	9 3/4	11.65
TB P101 1/2 46M	5.85	1 1/2	46-M Med.	9 3/4	11.65
TB P101 1/2 60M	5.85	1 1/2	60-M Med.	9 3/4	11.65
TB P10236P	7.40	2	36-P Hard	14	14.80
TB P10246M	7.40	2	46-M Med.	14	14.80

Diameter Wheel 12 Inches Diameter Hole 1 1/4 Inches

TB P121 1/2 36P	8.00	1 1/2	36-P Hard	15	15.95
TB P121 1/2 46M	8.00	1 1/2	46-M Med.	15	15.95
TB P12224Q	10.25	2	25-Q Hard	19	20.45
TB P12236P	10.25	2	36-P Hard	19	20.45
TB P12246M	10.25	2	46-M Med.	19	20.45

Diameter Wheel 12 Inches Diameter Hole 1 1/2 Inches

TB P12260M	10.25	2	60-M Med.	19	20.45
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Diameter Wheel 14 Inches Diameter Hole 1 1/2 Inches

TB P14224Q	13.65	2	24-Q Hard	19	27.25
TB P14236P	13.65	2	36-P Hard	19	27.25
TB P14246M	13.65	2	46-M Med.	19	27.25

Diameter Wheel 16 Inches Diameter Hole 1 1/2 Inches

TB P16224Q	17.75	2	24-Q Hard	19	35.20
TB P16236P	17.75	2	36-P Hard	19	35.20
TB P16220Q	17.75	2	20-Q Hard	19	35.20

HY-TENS—RESINOID BOND—HIGH SPEED

- Intended for use on very high speed grinding machines running at 7000 to 9000 surface feet a minute. Where grinding machines run slower use regular Hy-Tens vitrified wheels (see above).

Thickness 1 Inch—Diameter 5/8 Inch

Nos.	Each	Diam-eter, In.	Grain and Grade	Wt., Each, Lbs.	Std. List, Each
TB P61 5/8 24BX	\$3.00	6	24BX	4	\$4.05
TB P81 5/8 24BX	3.30	8	24BX	6	6.00
TB P81 7/8 24BX	3.30	8	24BX	6	6.00

Packing—bulk.

There Is a Difference in Kitchenware

Dolly-Prim

KITCHENWARE

Is Unusually Good—But Modest in Price

Retail prices quoted above are those found to be prevailing in the St., Louis area. Freight to destination should be added.

GRINDING WHEELS

CARBORUNDUM CO.'S ALOXITE BRAND

FLAT FACE

For faster, easier grinding!



- For general grinding work in the garage, repair shop and manufacturing plant—for steels and their alloys, for malleables and for the majority of tool room grinding operations. This accurate-size, uniformly smooth wheel cuts fast and holds its shape. It is long-wearing and retains its flat face and edge.
- The Aloxite used in these grinding wheels is an electric furnace product made by fusing bauxite, a highly aluminous clay, in an electric arc furnace under heat of approximately 3000 degrees Fahrenheit. This product is then ground into various grains and powders, mixed with proper bonding agents, and loaded into molds and compressed with heavy hydraulic pressure. Wheels are placed in immense kilns and vitrified. After kiln-drying process, they are carefully inspected and finished.



Nos.	Each	Size Wheel, Inches	Grain Aloxite	Wt. Each, Lbs.	Std. List, Each	Nos.	Each	Size Wheel, Inches	Grain Aloxite	Wt. Each, Lbs.	Std. List, Each
TB A8M	\$0.55	3x 1/4 x 3/8	100J-Medium	1/4	\$0.90	TB A40M	\$3.00	8x 3/4 x 1	60J-Medium	3 1/4	\$5.15
TB A10M	.60	3x 1/2 x 1	100J-Medium	1/4	1.05	TB A40C	3.00	8x 3/4 x 1	36J-Coarse	3 1/4	5.15
TB A12M	.90	4x 1/4 x 1/2	100J-Medium	1/4	1.55	TB A4030G	3.00	8x 3/4 x 1	30G-Medium	3 1/2	5.15
TB A16F	1.00	4x 1/2 x 1	100J-Fine	1/2	1.75	TB A42F	4.00	8x 1 x 1	60J-Fine	4 1/2	6.00
TB A16M	1.00	4x 1/2 x 1	60J-Medium	1/2	1.75	TB A42M	4.00	8x 1 x 1	40J-Medium	4 1/2	6.00
TB A18F	1.15	4x 3/4 x 1	100J-Fine	3/4	2.05	TB A4224G	4.00	8x 1 x 1	24G-Coarse	4 1/2	6.00
TB A18M	1.15	4x 3/4 x 1	60J-Medium	3/4	2.05	TB A52F	4.90	10x 1 x 1	60J-Fine	7	8.45
TB A20F	1.35	4x 1 x 1	100J-Fine	1 1/8	2.35	TB A52M	4.90	10x 1 x 1	40J-Medium	7	8.45
TB A20M	1.35	4x 1 x 1	60J-Medium	1 1/8	2.35	TB A5224G	4.90	10x 1 x 1	24G-Coarse	7	8.45
TB A22F	1.65	5x 3/4 x 1	100J-Fine	1 1/4	2.90	TB A5230G	4.90	10x 1 x 1	30G-Medium	7	8.45
TB A22M	1.65	5x 3/4 x 1	60J-Medium	1 1/4	2.90	TB A5424G	5.75	10x 1 1/4 x 1 1/4	24G-Coarse	8 1/2	10.05
TB A24F	1.90	5x 1 x 1	100J-Fine	1 3/4	3.30	TB A5430G	5.75	10x 1 1/4 x 1 1/4	30G-Medium	8 1/2	10.05
TB A24M	1.90	5x 1 x 1	60J-Medium	1 3/4	3.30	TB A56F	6.65	10x 1 1/2 x 1 1/4	60J-Fine	10	11.65
TB A28F	1.75	6x 1/2 x 1	100J-Fine	1 1/4	3.00	TB A56M	6.65	10x 1 1/2 x 1 1/4	40J-Medium	10	11.65
TB A28M	1.75	6x 1/2 x 1	60J-Medium	1 1/4	3.00	TB A58F	8.45	10x 2 x 1 1/4	60J-Fine	13	14.80
TB A28C	1.75	6x 1/2 x 1	40J-Coarse	1 1/4	3.00	TB A58M	8.45	10x 2 x 1 1/4	40J-Medium	13	14.80
TB A30M	2.00	6x 3/4 x 1	60J-Medium	1 3/4	3.50	TB A66F	9.15	12x 1 1/2 x 1 1/4	60J-Fine	15	15.95
TB A30C	2.00	6x 3/4 x 1	40J-Coarse	1 3/4	3.50	TB A66M	9.15	12x 1 1/2 x 1 1/4	40J-Medium	15	15.95
TB A3030G	2.00	6x 3/4 x 1	30G-Medium	1 3/4	3.50	TB A6624G	9.15	12x 1 1/2 x 1 1/2	24G-Coarse	16 1/2	15.95
TB A32F	2.30	6x 1 x 1	100J-Fine	2 1/8	4.00	TB A6630G	9.15	12x 1 1/2 x 1 1/2	30G-Medium	16 1/2	15.95
TB A32M	2.30	6x 1 x 1	60J-Medium	2 1/8	4.00	TB A68F	11.75	12x 2 x 1 1/4	30H-Fine	19 1/2	20.45
TB A32C	2.30	6x 1 x 1	40J-Coarse	1 1/2	4.00	TB A68M	11.75	12x 2 x 1 1/4	24H-Medium	19 1/2	20.45
TB A3224G	2.30	6x 1 x 1	24G-Coarse	2 1/4	4.00	TB A70F	15.50	12x 2 x 1 1/2	30H-Fine	27	27.15
TB A38M	2.50	8x 1 1/2 x 1	60J-Medium	2	4.30	TB A70M	15.50	14x 2 x 1 1/2	24H-Medium	27	27.15
TB A38C	2.50	8x 1 1/2 x 1	40J-Coarse	2	4.30						

Packing: Nos. TB A8M to TB A52M—One in a carton. Others—bulk.

One pair of metal reducing bushings are furnished no charge with all wheels having 1-inch arbor holes, if requested. Wheels with holes larger than 1 inch will be furnished with wood reducing bushings. Specify size of reducing bushing wanted.

METAL BUSHINGS

FOR REDUCING ARBOR HOLES OF GRINDING WHEELS

Skilfully milled from high-grade steel to assure long wear. They center wheel accurately. Consists of two parts—one for each side of wheel.

Nos.	Per Pair	To Reduce Hole in Wheel
TB MB1	\$0.15	1 inch to 3/16 inch
TB MB2	.15	1 inch to 1/8 inch
TB MB3	.15	1 inch to 1/4 inch
TB MB4	.15	1 inch to 3/8 inch
TB MB5	.15	1 inch to 1/2 inch
TB MB6	.15	1 inch to 3/4 inch
TB MB10	.20	1 1/4 inch to 5/8 inch
TB MB11	.20	1 1/4 inch to 3/4 inch
TB MB12	.20	1 1/4 inch to 7/8 inch
TB MB13	.20	1 1/4 inch to 1 1/8 inch
TB MB14	.20	1 1/4 inch to 1 inch

Packing—bulk.

GRINDING WHEEL DRESSERS



HUNTINGTON

- Particularly efficient for shaping, truing, dressing and removing glaze from practically all kinds of grinding wheels.
- Best quality gray iron frame, black enameled finish. Equipped with sturdy, hardened steel bushings and 1/4-inch hardened steel pin, accurately machined.
- Complete with two sets of selected steel cutters—uniformly hardened and tempered to exact degree of hardness and toughness to do the work required. Cutters 1 1/2 inches in diameter and have 18 teeth. Length over all 11 inches.

TB HP—Weight each 1 1/2 lbs.....Each \$0.75

One in a carton.

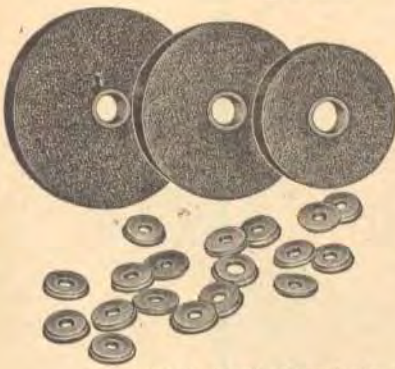
Extra cutters for TB HP Emery Wheel Dresser; weight per set 2 ounces.....Per Set \$0.15

Packing—bulk.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

GRINDING WHEEL ASSORTMENTS

LUTHER



- These two assortments consist of good quality, fast-cutting, popular-size, abrasive wheels—expertly made for long life.
- Medium grit.
- Perfectly balanced.
- Completely dressed on face and sides.

- Patented steel arbor hole reducers.
- Exceptional values at these low prices.

TB L101—Assortment of 12 medium grit abrasive wheels as below, and 10 sets of patented steel arbor hole reducers. Weight per assortment 24 lbs.

Per Assortment

Quantity	Each	Size Wheels, Inches
4	\$0.49	4x1x1
4	.89	5x1x1
4	1.10	6x1x1

10 Sets Steel Bushings—Free.

TB L605—Assortment of 6 medium grit abrasive wheels as below, and 5 sets of patented steel arbor hole reducers. Weight per assortment 12 lbs.

Per Assortment

Quantity	Each	Size Wheels, Inches
2	\$0.49	4x1x1
2	.89	5x1x1
2	1.10	6x1x1

5 Sets Steel Bushings—Free.

One assortment in a carton.

GRINDING WHEELS

LUTHER

Extra wheels or open stock for above assortment.

Nos.	Each	Size Wheels, Inches	Wt. Each, Lbs.
TB L41	\$0.49	4x1x1	1 1/8
TB L51	.89	5x1x1	1 3/4
TB L61	1.10	6x1x1	2 1/2

Packing—bulk.

SKILLED CARPENTERS

Know and
PREFER

KEEN KUTTER

S A W S

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SAW GUMMING WHEELS

(Round Face)

- Handy for deepening and enlarging gullets of worn cord wood and cross-cut saws.

**CARBORUNDUM
CO.'S ALOXITE
BRAND**

**REDMANOL
BONDED**

- Hard, rugged and fast-cutting.



The ALOXITE used in these grinding wheels is an electric furnace product and is made by fusing

bauxite, a highly aluminous clay, in an electric arc furnace under a heat estimated at 3000 degrees Fahrenheit. This product is then ground and mixed with redmanol, loaded into molds and subjected to heavy hydraulic pressure. The wheels are then placed in immense kilns and vitrified. After the kiln-drying process they are carefully inspected and finished ready for use.

Grade 365K-D841

Diameter Hole 1 1/4 Inches

Nos.	Each	Diam., Inches	Thick- ness, Inch	Wt. Each, Lbs.	Std. List, Each
TB A655	\$1.65	6	1/4	3/4	\$2.85
TB A695	1.80	6	3/8	1	3.10
TB A705	1.95	6	1/2	1 1/4	3.35
TB A725	2.45	8	3/8	1 3/4	4.35
TB A745	2.70	8	1/2	2	4.75
TB A765	3.75	10	1/2	3 1/2	6.60
TB A785	4.95	12	1/2	5	8.75
TB A805	5.45	12	5/8	6 1/2	9.60
TB A825	5.95	12	3/4	7 1/2	10.45

One in a carton.



**LUTHER—
DIMO-GRIT**

- Highest grade vitrified wheels.
- Accurately balanced.
- Fast-cutting, long-wearing.

Consists of—

1	6x1/4x1 inch wheel	Each \$1.95
1	6x3/8x1 inch wheel	2.15
1	8x3/8x1 inch wheel	2.75
1	10x3/8x1 inch wheel	3.95
5	Sets of steel bushings for 3/8, 1/2, 5/8, 3/4 and 7/8 inch arbor holes	Free

TB SG1—Weight per assortment 8 lbs.

Per Assortment

One assortment in a carton.

TOOL GRINDERS

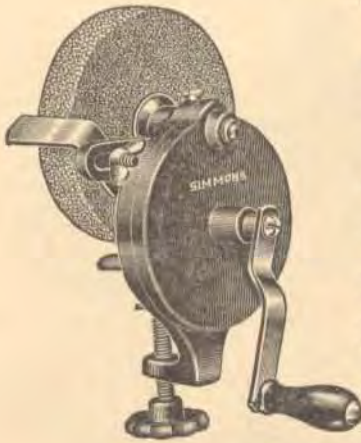
SIMMONS LEADER

Good Quality at a Low Price

- Ideal for sharpening tools and cutlery. Useful in workshop and kitchen. Handy clamp for attaching to bench or table.
- Vitrified grinding wheel cuts fast.
- Properly balanced adjustable tool rest.

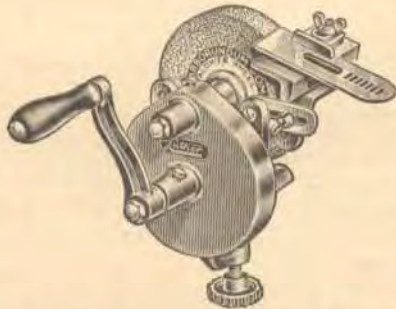
Smooth-action machine cut helical gears. Cast dust-proof gear case, red enameled finish.

Wrought steel handle with black enameled wood grip. Wheel type clamp screw.



Nos.	Each	Size Wheel, Inches	Weight Each, Lbs.	Std. List, Each
TB SBB11	\$1.99	4x1	4 1/2	\$1.99

LUTHER



MASTER

- Quiet, smooth-running, gives keen edge!

Carborundum Aloxite grinding wheel—especially bonded for use with hand tool grinders... insures excellent cutting ability and long wear. Chisel and plane iron attachment permits any novice to do an

expert job of hollow grinding on any fine edge tool. Adjustable tool rest for either right or left-hand operation.

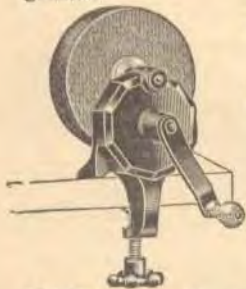
Wide spur cut gears operate in oil—eliminate end thrust and reduce friction and tendency to wear. Double crankshaft bearings. Self-closing oil cups. One-piece oil-tight, dustproof gear case. Malleable iron frame and crank handle with large wood grip. Frame clamp and crank red enameled. Other parts brightly nickel plated.

Nos.	Each	Size Wheel, Inches	Weight Each, Lbs.
TY 114	\$3.35	4x1 x 7/8	6 3/4
TY 115	4.39	5x1 x 3/8	9 1/4
TY 116	5.85	6x1 x 3/8	11 3/4

One in a carton.

HOUSEHOLD AND TOOL GRINDERS

Keep cutlery and tools sharp with this handy, efficient grinder!



- Every home and shop will find this sharpening device useful. Cuts quickly and evenly—makes a keen, smooth edge.
- Rugged construction—Fine grit abrasive grinding wheel 4x 7/8 inches. One-piece cast case and frame with sturdy gear and pinion, completely enclosed. Wrought steel handle with hardwood grip. Wheel-operated clamp opens 1 1/2 inches. Red enameled finish.

TY JS4—Weight each 2 1/4 lbs. Each \$0.89

Six in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

TOOL GRINDERS

For sharpening knives and small tools.

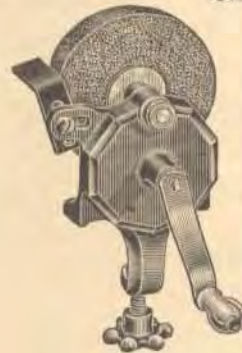


MARVEL

Vitrified grinding wheel—will not burn tools or draw temper. Adjustable tool rest. Machine-cut helical gears—eliminate end thrust. All bearings permanently aligned in gear case to provide fast, easy running. One-piece cast-iron dustproof gear case. Slip-proof iron crank with wood handle. Wide base with clamp screw. Attractive red baked enamel finish.

Nos.	Each	Size Wheel, Inches	No. in a Carton	Wt. Each, Lbs.
TB 164	\$1.59	4x 3/4 x 7/8	6	4
TB 165	2.15	5x 3/4 x 7/8	1	4 1/2
TB 166	2.85	6x1 x 7/8	1	7 1/2

One in a wood box.



High-grade fast-cutting wheel made of artificial abrasive grain. Adjustable tool rest. Wide gray iron gears—teeth accurately machine-cut. Full length bearing surface, for gear pinion and crankshaft. One-piece cast-iron dustproof gear case. Wrought steel crank with large wood grip. Wide base with full-size wheel grip clamp screw. Attractive bright red, high-grade, glossy baked enamel finish.

Nos.	Each	Size Wheel, Inches	Weight Each, Lbs.
TY X4L	\$1.10	4x 7/8	4
TY X5S	1.49	5x1	5

Wrapped in paper; six in a carton.

TOOL GRINDER ASSORTMENT

LUTHER

Sharpens quick, easy!

- Extraordinary combination of value at these low prices.

- Carborundum Aloxite medium grit grinding wheel, especially bonded for use with hand tool grinders—assures good cutting and long wear. Adjustable tool rest.

Accurate spur cut, wide, cast-iron gears, prevent end thrust. Long bearings drilled and reamed out of solid metal. Large, strongly built one-piece cast case and frame. Heavy wrought steel handle with red enameled grip—attached with nickel-plated acorn nut, heavy clamp and adjustable screw. Beautiful red and black baked-on enamel finish.

Assortment consists of:

1—No. 414	With 4x 7/8 x 7/8 inch wheel.....	Each \$2.50
2—No. 415	With 5x1 x 7/8 inch wheel.....	Each 3.70
1—No. 416	With 6x1 x 3/8 inch wheel.....	Each 4.80

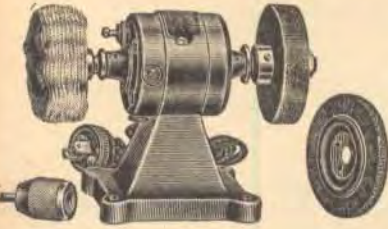
TB 400—Weight per assortment 33 lbs.

One assortment in a case.

ELECTRIC TOOL SHARPENERS

LUTHER, JR.

- Designed especially for light-duty sharpening, buffing and polishing.
- Ideal for carpenters, householders, dentists, jewelers, etc. Produces keen cutting



edge quickly or cleans and polishes silverware and other metals.

- Specially constructed motor creates plenty of power for all light-tool grinding jobs.

Sturdy cast base is rubber-cushioned—eliminates vibration. Base extends under wheels—prevents tipping. High-grade Universal motor with long 3/4-inch special white metal and high-speed bearings... packed with wick for self-oiling. Toggle switch on motor case. Wheel flanges grooved—may be used as pulley. Approximate wheel speed—without load, 9000 r.p.m., with load 3000 to 6000 r.p.m.

Equipped with 2 1/4-inch buffing wheel and special high-grade vitrified grinding wheel 3x3/4x7/16 inches, made to withstand high speed. (CHUCK AND WIRE BRUSH NOT INCLUDED.) Complete with 6-foot extension cord and plug cap.

Base red, motor casing black—baked-on enamel. Height 5 1/4 inches. Length over all 7 3/4 inches.

For 110 Volts Alternating and Direct Current.

TB E12—Weight each 4 lbs. Each \$9.95

One in a carton.

EXTRAS FOR No. TBE12

ELECTRIC TOOL SHARPENERS

TB E12C—Chuck: Capacity 1/4-inch; weight each 3/4 lbs. Each \$0.85

TB E12W—Wire Polishing Brush: Diameter 3 inches; weight each 3/4 lbs. Each .95

Packing—bulk.

*Modernize Your Living Room
with*

**SIMMONS
FURNITURE**

Highest Quality

Materials and Workmanship Assure

Years of Continuous Comfort,

New Modern Styling

and

Fabrics Will Make Your Home

Most Attractive

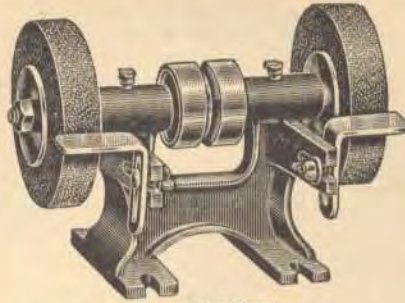
Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

POWER GRINDER HEADS

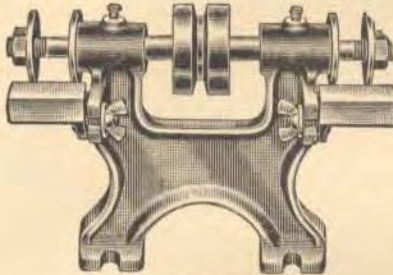
LUTHER

- Ideal for home workshops, farms, garages and small shops. Remarkable value, long service.

- Expertly built of high-grade material... finished in wear-resisting red enamel. Long, sturdy bearings. Pulley 2 1/4 x 1 1/2 inches—easily accommodates V, round, or flat belt drive from any direction. Pulley crowned for flat belt. Adjustable tool rests for both wheels. Spring cover oil cups. Legs shaped for easy bolting to work-bench.



No. TB P226S



No. TB P220S

Height from base to center of spindle 5 1/2 inches. Distance between

wheels 7 inches. Bench space 4x6 1/2 inches. Diameter of spindle: in bearings 3/8-inch, between flanges 1/2-inch. Length of spindle 10 1/2 inches.

TB P226S—Power Grinder Head: With two fast-cutting high-grade abrasive wheels 6x1 1/2 inches. One each medium and coarse; weight each 13 1/2 lbs. Each \$5.45

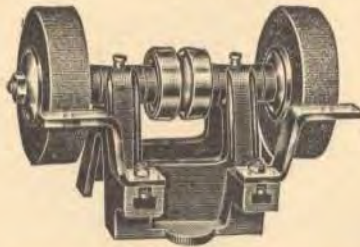
TB P220S—Power Head Only: Without wheels; weight each 9 1/2 lbs. Each 2.95

One in a carton.

POWER GRINDERS

LUTHER—
LIGHT-DUTY

- An all-around, inexpensive power head that answers every grinding need!
- Unusually attractive and readily adaptable to the many needs of the small tool user.



Strong, sturdy, all-metal construction; finished in durable red enamel. Iron pulley 1 1/2 x 1 1/2 inches—for flat or V belt, running best at 2500 to 3000 r.p.m. Two adjustable tool rests 1 3/4 inches. Bearings, oiled directly with self-closing oil cups. Spindle 9 inches long, 1/2-inch in diameter. Height 5 1/2 inches. Base 4x4 inches. Distance between wheels when in position 5 1/2 inches.

POWER HEAD COMPLETE WITH WHEELS

TB P214—With one coarse and one medium grinding wheel 4x1x1 inches; weight each 6 3/4 lbs. Each \$3.45

TB P215—With one coarse and one medium grinding wheel 5x1x1 inches; weight each 7 3/4 lbs. Each 4.25

TB P215B—With one medium grinding wheel and one buffing wheel 5x1x1 inches; weight 6 1/2 lbs. Each 4.25

One in a carton.

SICKLE AND TOOL GRINDERS



• Here's the greatest buy in sickle and tool grinders!

Equipped with special sickle holder which sharpens 5 or 6 sections without reclamping sickle bar—simply by sliding forward. Sickle cone and tool wheel made of electric furnace process fast-cutting abrasive and will produce smooth edges. Guard over sickle cone keeps sparks and dirt away from operator. Easily clamped to bench or mower wheel. Heavy, massive

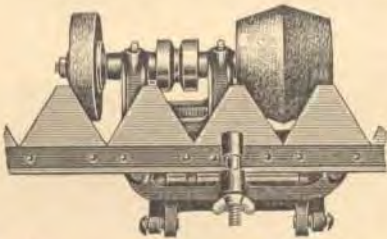
frame. High speed—geared in ratio of 20 turns of wheel to 1 of crank.

Frame, large gears and parts for sickle holder made of good grade gray iron. Steel small drive pinion. Malleable iron clamp. Steel clamp screw. Sickle wheel $3\frac{1}{2} \times 3\frac{1}{2} \times \frac{1}{2}$ inches. Tool wheel $4 \times 1 \times \frac{3}{8}$ inches. Attractively finished in black and red.

TY LX3—Weight each 14 lbs.....Each \$5.45

One in a carton.

SICKLE AND TOOL POWER GRINDERS



LUTHER

Every farm should have one of these popular - priced sharpeners!

• General, light-duty farm power sharpener—one of the handiest grinders offered today.

• For sharpening sickles, axes, hoes, chisels, plane irons . . . all other farm tools.

Equipped with 2 vitrified abrasive wheels—1 sickle wheel $4\frac{1}{2} \times 3\frac{1}{2} \times \frac{3}{8}$ inches, and 1 tool wheel $4 \times 1 \times \frac{3}{8}$ inches. Convenient sickle holding attachment and adjustable tool rest. Pulley $1\frac{1}{2} \times 1\frac{1}{2}$ inches, for flat, round or V belt. Height from base to center $3\frac{1}{2}$ inches. Distance between wheels $4\frac{3}{4}$ inches. Spindle is $\frac{1}{2}$ inch in diameter—making it handy for using other wheels, buffers, etc. with $\frac{1}{2}$ -inch holes. Strong and well constructed from fine material. Attractively finished in red and black enamel.

TB P216S—Weight each 13 lbs.....Each \$5.75

One in a carton.

SICKLE GRINDING WHEELS



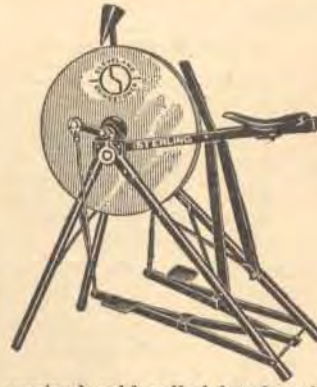
Here's a good grade abrasive wheel that assures long, satisfactory service and keen, quick sharpening. Length $3\frac{1}{2}$ inches. Diameter: $3\frac{1}{2}$ inches at center, $2\frac{1}{2}$ inches at ends. Holes for $\frac{1}{2}$ -inch shaft.

TB 100SGW—Weight each 3 lbs.....Each \$1.10

Packing—bulk

BE TRULY ECONOMICAL—
Use Durable Fine Quality
SIMMONS
FARM TOOLS—
Correctly Balanced to Make Work
Easier and Faster

MOUNTED GRINDSTONES



STERLING Ball Bearing

Very substantial and light running. Has a double treadle frame embracing the bicycle feature bitreadle. Each stone tested on the shaft bearings and frame with which it is shipped.

Frame $1\frac{1}{8}$ and $1\frac{1}{4}$ -inch heavy steel tubing, well braced. Threaded rods and bolts. Large comfortable seat and clothes protector. Sheet steel drip cup and water guard. All castings malleable iron. Electro galvanized cold rolled hardened steel shaft and electro galvanized cranks and crankshaft are fitted with casings to avoid rust. Best quality improved ball bearings in dust-proof casings. Hardened steel shaft bearings.

Enameled Rich Vermillion

Fitted with genuine Berea grit stone 19 to 22 inches in diameter, $1\frac{3}{4}$ to $2\frac{1}{4}$ inches thick.

TY T100—Weight complete 100 lbs.....Each \$11.25

One in a crate, knocked down.



Ball Bearing

Low priced! Dependable! Frame is angle steel $1 \times \frac{3}{8}$ -inch. Substantially braced. Comfortable sheet steel seat. Sheet steel drip cup and water guard. Fitted with ball bearings on shaft and crank. Detachable cold rolled steel shaft.

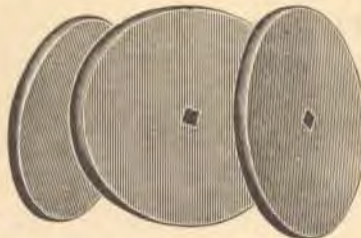
Painted Black

Fitted with a good Ohio stone 20 inches in diameter, $1\frac{3}{4}$ to 2 inches thick, weighing about 50 lbs.

TY 115—Weight complete 75 lbs.Each \$8.25

Stone crated and attached to knocked down frame.

GRINDSTONES



Berea medium grit, unmounted, without fittings. Square hole cut in center for shaft.

Wt. Each Assorted, Lbs.	Per Pound	Diameter, Inches	Thickness, Inches
40 to 50	\$0.06	19	$1\frac{3}{4}$ to $2\frac{1}{4}$
60 to 70	.06	22	2 to $2\frac{1}{2}$

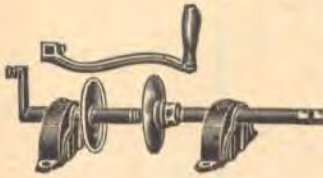
Packing—bulk.

Note: All the above stones are sold by actual weight (or "cut weight"), which is the exact scale weight as the stones come from the lathe. This weight is always cut into the stone. Stones weighing 200 lbs. and over (not carried in stock), are sold by estimated weight, called "measurement weight."

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

GRINDSTONE FIXTURES

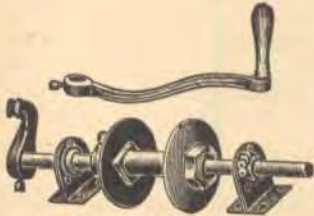
KLICKER



Double Roller Bearings
Japanned cast iron with threaded shaft. Average length of hand crank 9 inches. Average length of lever crank 3 inches. Bearing cap 6 1/2 inches long, 2 1/2 inches high. Diameter of washers 3 1/4 inches.

Nos.	TB 15K	TB 17K
Length Axle, Inches	15	17
Diameter Axle, Inches	1 1/8	1 1/8
Weight per Dozen, Lbs.	80	85
Each	\$0.95	1.00

One-half dozen in a case.



Ball Bearing

Suitable for stones 2 to 3 inches thick.

Japanned. Cast iron washers. Stamped steel axle bearings, with ball bearing journals adjustable on shaft. Shaft 12 inches long, 5/8-inch in diameter. Hand crank 9 inches long. Length of

treadle crank 3 inches. Axle bearings 7 inches long, 2 1/4 inches high. Diameter of washers 4 inches.

TB 01—Weight per dozen sets 95 lbs.....Each \$2.25

One dozen sets in a wood box.

GRINDSTONE CRANKS

KLICKER

TB 1CK—Japanned cast iron; wood grips; length 7 1/2 inches; for Klicker grindstone fixtures; weight per dozen 6 lbs.....Each \$0.15

GRINDSTONE AXLES

KLICKER

Japanned cast iron; for Nos. TB 15K and TB 17K grindstone fixtures.

Nos.	TB 15AK	TB 17AK
Length, Inches	15	17
Each	\$0.35	.40

Weight per dozen 28 lbs.

GRINDSTONE WASHERS

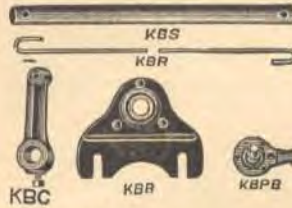
KLICKER

Japanned cast iron; for Klicker grindstone fixtures.

TB 1WK—Diameter 3 inches; diameter of hole 1 inch; weight per dozen 2 lbs.....Per Dozen \$0.05

Packing—bulk.

EXTRAS FOR GRINDSTONES



FOR Nos. KB AND AY T100 GRINDSTONES

When ordering parts for Nos. KB or TY T100 Grindstones, state whether they are for the 5/8-inch or the 1-inch axle.

TB KBC—Extra Cranks, with set screw; 4 1/2 inches long; weight each 10 ozs.....Each \$0.35

TB KBS—Extra Shafts or Axles; 9 inches long; 5/8-inch diameter; weight each 13 ozs.....Each .85

TB KBR—Treadle Rods; 3/8-inch round, steel 22 inches long; weight each 5 ozs.....Each .35

TB KBB—Extra Axle Bearings, with balls; weight per set 1 lb.....Per Set of 2 1.15

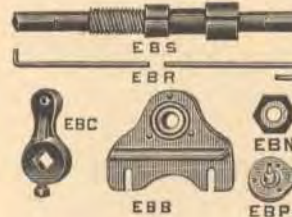
TB KBPB—Pitman Bearings, with balls; weight per set 1 lb.....Per Set of 2 .70

TB KBBS—Extra Bushed Stones Only; about 1 3/4 inches thick; average diameter 19 inches; average weight each 50 lbs.....Each 6.00

Packing—bulk.

FOR Nos. EBGs AND AY 115 GRINDSTONES

When ordering repairs for Nos. EBGs and TY 115 Grindstones, state whether they are for 5/8-inch or 1-inch axle.



TB EBC—Extra Cranks with set screw; 4 1/2 inches long; weight each 10 ozs.....Each \$0.35

TB EBS—Extra Shafts, or axles; 7 1/2 inches long; weight each 1 1/2 lbs.Each \$0.85

TB EBN—Extra Nuts for shaft; weight each 3 1/2 ozs.Each \$0.20

TB EBR—Extra Treadle Rods; 1/4-inch round steel, 24 1/4 inches long; weight each 5 ozs.Each \$0.35

TB EBB—Extra Axle Bearings, with balls; weight per set 1 lb.....Per Set of 2 1.10

TB EBPB—Extra Pitman Bearings, with balls; weight per set 1 lb.....Per Set of 2 .70

TY EBBS—Extra Bushed Stones Only; about 2 inches thick; average diameter 22 inches; average weight each 60 lbs.....Each 5.95

Packing—bulk.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

GENERAL DESCRIPTION OF FILES AND RASPS



Dbl. Cut Second Cut.



Double Cut Smooth.



Rasp Second Cut.



Rasp Coarse.



Single Cut Coarse.



Single Cut Bastard.



Rasp Bastard.



Rasp Smooth.



Sin. Cut Second Cut.



Single Cut Smooth.



Double Cut Coarse.



Double Cut Bastard.

Files and Rasps have Three Distinguishing Features.

FIRST—THEIR LENGTH—Which is always measured exclusive of their Tang.

SECOND—THEIR KIND OR NAME—Which has reference to the shape or style.

THIRD—THEIR CUT—Which has reference not only to character, but also to relative degrees of coarseness of Teeth.

THE LENGTH—Of a File is the distance between its Heel or part of the File where the Tang begins and the point or end opposite. The Tang or portion of the File prepared for the reception of the Handle is never included in the Length. In general, the Lengths of Files bear no fixed proportion to either their Width or Thickness, even though they be of the same kind.

THE KIND—By Kind we mean the varied shapes or styles of Files which are distinguished by certain technical names, as, for instance, FLAT, MILL, HALF-ROUND, etc. The Kinds are divided, from the form of their Cross Sections into Three Geometrical Classes, namely, Quadrangular Sections, Circular Sections and Triangular Sections; Odd and Irregular Forms are collected under Miscellaneous Sections. These Sections are in turn sub-divided according to their general contour or outline, into Taper and Blunt.

TAPER—Designates a File, the Point of which is more or less reduced in size, both in Width and Thickness by a gradually narrowing Section extending from One-half to Two-thirds the Length of the File, from the Point; Custom has also established it as a short name for the Three Square Hand Saw File.

BLUNT—Designates a File that preserves its Sectional Shape throughout, from Point to Tang.

THE CUT of Files is divided, with reference to the character of the Teeth, into Single Cut, Double Cut and Rasp Cut, and with reference to the Coarseness of the Teeth into Rough, Coarse, Bastard, Second Cut, Smooth and Dead Smooth. Regarding the latter we may say very briefly that the Coarse and Bastard Cuts are used upon the coarser, heavier classes of work, while the Second Cut and Smooth are used for the finer grades and for finishing the work started by the Coarse and Bastard. The Rough and Dead Smooth are seldom called for, but correspond to the above use.

THE SINGLE CUT FILE—Is one in which a Single, Unbroken Course of Chisel Cuts is made across its Surface, arranged parallel to each other, but with a horizontal obliquity to the Central Line.

THE DOUBLE CUT FILE—Has Two Courses of Chisel Cuts crossing each other, the Second Course, with rare exceptions, being finer than the first.

RASP CUT—Differs from Single or Double Cut in the respect that the Teeth are disconnected from each other, each Tooth being made by a single pointed punch.

SUPERFINE, OR SUPER, CUT—A term applied by the Lancashire File-makers to designate a grade of Cut designated by us as Dead Smooth.

SAFE EDGE, OR SIDE—Terms used to denote that a File has one or more of its Edges or Sides Smooth or Uncut, that it may be presented to the work without injury to that portion which does not require to be Filed.

Price List of Files and Rasps

Factory List Price Per Dozen Effective On and After January 1, 1939

List of April 2, 1923

Price Per Dozen

INCH	MILL			MILL 1 R. E.		MILL 2 R. E.		MILL BLUNT		INCH	INCH	TAPERS		SLIM TAPERS	EXTRA SLIM TAPERS	Double Extra Slim Tapers	HAND-SAW BLUNT	BANDSAW BLUNT & TAPER		PITSAW	INCH
	BAST.	2d CUT	SMOOTH	BAST.	2d CUT	BAST.	2d CUT	BAST.	2d CUT			SQL. CUT	DBL. CUT					REGULAR	SLIM		
3	3.00	.....	.....	.....	.....	.....	.....	.....	.....	3	3	2.10	.....	2.10	.....	.....	.....	.....	.....	.....	3
4	3.00	3.50	.....	.....	.....	.....	.....	.....	.....	4	3½	2.10	.....	2.10	.....	.....	.....	.....	.....	.....	3½
5	3.20	3.80	.....	.....	.....	.....	.....	.....	.....	5	4	2.20	2.90	2.20	2.20	2.20	2.60	2.90	.....	4.80	4
6	3.50	4.00	4.50	3.90	4.50	4.40	5.00	3.90	4.60	6	4½	2.40	3.10	2.30	2.30	2.30	3.00	3.10	.....	5.40	4½
7	3.90	4.60	.....	4.40	5.20	4.90	.....	4.30	4.90	7	5	2.60	3.50	2.50	2.50	2.50	3.40	3.50	.....	5.40	5
8	4.30	4.90	5.40	4.80	5.50	5.40	6.10	4.90	5.80	8	5½	3.00	.....	2.90	2.90	2.90	.....	.....	.....	6.10	5½
9	4.90	5.80	.....	5.50	6.50	6.10	.....	.....	.....	9	6	3.40	4.70	3.10	3.10	3.10	4.30	4.70	3.90	6.10	6
10	5.60	6.40	7.00	6.30	7.20	7.00	8.00	6.70	7.80	10	7	4.30	5.60	3.80	3.80	3.80	5.40	5.60	.....	7.00	7
12	7.50	8.60	9.40	8.40	9.70	9.40	10.80	.....	.....	12	8	5.40	6.70	4.50	4.50	4.50	6.60	6.70	5.30	7.50	8
14	10.70	12.20	13.10	12.00	.....	.....	.....	.....	.....	14	10	8.10	.....	6.40	.....	.....	.....	9.70	.....	.....	10
16	14.70	16.80	17.90	.....	.....	.....	.....	.....	.....	16	12	12.50	.....	9.50	.....	.....	.....	.....	.....	.....	12
18	20.20	.....	.....	.....	.....	.....	.....	.....	.....	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

INCH	FLAT			HAND			SQUARE			INCH	INCH	THREE SQUARE			HALF ROUND			ROUND			INCH
	BAST.	2d CUT	SMOOTH	BAST.	2d CUT	SMOOTH	BAST.	2d CUT	SMOOTH			BAST.	2d CUT	SMOOTH	BAST.	2d CUT	SMOOTH	BAST.	2d CUT	SMOOTH	
4	3.70	4.30	4.70	3.70	4.30	4.80	3.80	4.60	4.90	4	4	4.80	5.60	6.10	4.80	5.60	6.10	3.00	3.50	3.90	4
5	3.90	4.60	4.90	3.90	4.70	5.30	4.10	4.80	5.30	5	5	5.40	6.10	6.40	5.40	6.10	6.40	3.20	3.80	4.10	5
6	4.30	4.80	5.30	4.30	5.10	5.60	4.60	5.10	5.50	6	6	6.10	6.70	7.10	6.10	6.70	7.10	3.50	4.00	4.50	6
7	4.80	5.50	6.10	4.90	5.80	6.30	5.10	5.80	6.30	7	7	7.00	7.70	8.20	7.00	7.70	8.20	3.90	4.60	4.90	7
8	5.30	6.10	6.60	5.40	6.30	6.70	5.50	6.30	7.00	8	8	7.50	8.30	8.90	7.50	8.30	8.90	4.30	4.90	5.40	8
9	6.30	7.20	7.90	6.70	7.80	8.30	.....	.....	.....	9	9	.....	.....	.....	.....	.....	.....	4.90	5.80	6.30	9
10	7.00	8.10	8.70	7.50	8.70	9.40	7.40	8.50	9.10	10	10	9.10	10.10	10.70	9.10	10.10	10.70	5.60	6.40	7.00	10
12	9.70	11.00	12.10	10.70	12.30	13.50	10.20	11.50	12.80	12	12	11.80	13.00	13.90	11.80	13.00	13.90	7.50	8.60	9.40	12
14	13.30	15.30	16.70	15.00	17.00	18.20	13.90	16.10	17.50	14	14	15.50	17.00	18.30	15.50	17.00	18.30	10.70	12.20	13.10	14
16	17.80	20.10	22.30	20.10	22.80	24.20	18.70	21.20	23.30	16	16	20.60	22.50	24.20	20.60	22.50	24.20	14.70	16.80	17.90	16
18	23.90	26.80	29.20	26.80	29.90	31.50	25.10	28.20	30.40	18	18	27.50	29.90	32.00	27.50	29.90	32.00	20.20	22.70	24.30	18
20	31.50	.....	.....	35.10	.....	.....	32.80	.....	.....	20	20	.....	.....	.....	.....	.....	.....	27.40	.....	.....	20

INCH	WARDING			KNIFE			INCH	INCH	PILLAR			SQUARE BLUNT BAST.	ROUND BLUNT BAST.	LEAD FLOAT and WOOD FILES		INCH	INCH	HANDSAW BLUNT SLIM	DOUBLE ENDER	CANT SAW	INCH	
	BAST.	2d CUT	SMOOTH	BAST.	2d CUT	SMOOTH			BAST.	2d CUT	SMOOTH			Flat	HF. RD.							
4	4.00	4.80	5.40	5.40	6.10	6.40	4	6	4.30	5.10	5.60	.....	.....	4.80	7.00	6	4	2.50	.....	.....	4	
5	4.50	5.30	5.80	6.10	6.70	7.10	5	8	5.40	6.30	6.70	7.40	.....	5.60	6.30	8.50	8	5	3.10	.....	.....	5
6	4.90	5.90	6.40	6.90	7.50	7.90	6	10	7.50	8.70	9.40	10.20	.....	7.50	8.60	10.70	10	6	3.80	.....	4.70	6
8	6.40	7.50	8.20	8.50	9.10	9.50	8	12	10.70	12.30	13.50	13.90	10.70	11.80	14.10	.....	.....	.....	.....	5.40	6.10	7
10	8.70	10.10	11.00	10.10	11.50	12.30	10	14	15.00	.....	.....	18.70	14.70	16.00	18.50	.....	.....	.....	.....	6.10	7.00	8
12	.....	.....	.....	13.70	15.20	16.10	12	16	20.10	.....	.....	25.10	.....	21.50	24.70	.....	.....	.....	.....	6.40	7.50	8
.....	.....	.....	.....	.....	.....	.....	.....	18	.....	.....	.....	32.80	.....	.....	.....	.....	.....	.....	.....	8.50	9.10	9
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11.40	.....	10
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12

INCH	CABINET FILES	CABINET RASPS		HALF RD. WOOD RASPS		FLAT WOOD RASPS		HAND FINISHING		INCH	INCH	SHOE RASPS		PLANER KNIFE	CROSS CUT	SPECIAL CROSS CUT	INCH
		2d CUT	SMOOTH	BAST.	SMOOTH	BAST.	SMOOTH	2d CUT	SMOOTH			FLAT	HF. RD.				
6	8.10	10.10	11.70	8.10	10.10	.....	.....	.....	.....	6	6	.....	.....	.....	6.10	3.90	6
8	10.10	12.80	15.50	10.10	13.70	9.40	12.80	.....	.....	8	7	.....	.....	.....	.....	4.30	7
10	13.70	17.50	20.70	13.70	18.70	12.80	17.50	.....	.....	10	8	.....	.....	6.40	.....	4.90	8
12	18.70	22.80	26.80	18.70	24.80	17.50	23.20	15.20	16.20	12	9	10.10	10.10	.....	.....	.....	9
14	24.80	29.60	33.90	24.80	32.90	23.20	30.80	20.60	21.70	14	10	12.20	12.20	.....	8.50	.....	9
16	.....	.....	.....	32.90	43.60	30.80	40.90	.....	.....	16	12	13.70	13.70	8.60	9.10	6.70	10
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11.80	.....	12

INCH	HORSE RASPS PLAIN			HORSE RASPS, TANGED			INCH	
	½ FILE	SLIM	¾ FILE	REGULAR	SLIM	THIN		
12	12.80	.....	.....	16.80	.....	1.531"x .270"	16.00	12
13	.....	.....	.....	19.60	.....	1.594"x .275"	18.20	13
14	17.80	.....	.....	23.10	18" stock	1.750"x .280"	21.90	14
15	20.90	.....	.....	27.30	19" stock	1.812"x .285"	25.20	15
16	24.40	14" SH.	21.50	32.20	14" stock	1.875"x .290"	29.70	16
18	32.90	15" SH.	25.90	.....	.....	.....	.....	18
20	.....	16" SH.	32.90	.....	.....	.....	.....	20

KEEN KUTTER Files Cut Easier, Faster and Last Longer

- Expertly forged from highest grade tool steel—assures finest value and best service.
- Natural gas tempered to correct degree of hardness—tough, durable.

- Sturdy, sharp teeth cut in latest improved machines for easy, fast work.
- Carefully tested, selected and stamped KEEN KUTTER.

• Wide selection of lengths, kinds and cuts—a file for every need.

For filing and sharpening hand saws, or any type saw having 60-degree angle teeth. Edges and corners are "set" and cut, to file gullet between saw teeth.



Carpenters' Special Slim Taper

Nos.	Each	Length, Inches	Weight Per Dozen, Lbs.	Std. List, Per Doz.
TB KCSS4	\$0.13	4	$\frac{3}{16}$	\$2.20
TB KCSS4½	.14	4½	$\frac{1}{4}$	2.30
TB KCSS5	.15	5	$\frac{5}{16}$	2.50
TB KCSS5½	.17	5½	$\frac{3}{8}$	2.90
TB KCSS6	.19	6	$\frac{1}{2}$	3.10
TB KCSS7	.23	7	$\frac{3}{4}$	3.80
TB KCSS8	.28	8	1½	4.50



Extra Slim Taper

Nos.	Each	Length, Inches	Weight Per Dozen, Lbs.	Std. List, Per Doz.
TB KEST4	\$0.13	4	$\frac{1}{4}$	\$2.20
TB KEST4½	.14	4½	$\frac{5}{16}$	2.30
TB KEST5	.15	5	$\frac{1}{4}$	2.50
TB KEST5½	.17	5½	$\frac{1}{2}$	2.90
TB KEST6	.19	6	$\frac{3}{4}$	3.10
TB KEST7	.23	7	1½	3.80
TB KEST8	.28	8	2	4.50



Slim Taper Saw

Nos.	Each	Length, Inches	Weight Per Dozen, Lbs.	Std. List, Per Doz.
TB KST3	\$0.12	3	$\frac{1}{8}$	\$2.10
TB KST3½	.12	3½	$\frac{1}{8}$	2.10
TB KST4	.13	4	$\frac{1}{8}$	2.20
TB KST4½	.14	4½	$\frac{1}{8}$	2.30
TB KST5	.15	5	$\frac{1}{2}$	2.50
TB KST5½	.17	5½	$\frac{3}{4}$	2.90
TB KST6	.19	6	1	3.10
TB KST7	.23	7	1¾	3.80
TB KST8	.28	8	2¾	4.50
TB KST10	.39	10	5	6.40



Regular Taper Saw—Single Cut

Nos.	Each	Length, Inches	Weight Per Dozen, Lbs.	Std. List, Per Doz.
TB KRT5	\$0.15	5	1¼	\$2.60
TB KRT5½	.18	5½	1½	3.00
TB KRT6	.20	6	2	3.40
TB KRT7	.27	7	3½	4.30
TB KRT8	.33	8	4¼	5.40

One dozen in a cardboard box.



Reversible Taper Saw, Handled—Single Cut

Nos.	Each	Full Length, Inches	Size Regular Tapers	Weight Per Doz., Lbs.	Std. List, Per Doz.
TB KDE7	\$0.19	7	3½	¾	\$3.50
TB KDE8	.24	8	4	1¾	3.90

One dozen files and one-half dozen handles in a cardboard box.



Blunt Extra Slim

Preferred by carpenters and expert saw filers for filing hand saws.

Nos.	Each	Length, Inches	Weight Per Dozen, Lbs.	Std. List, Per Doz.
TB KBES6	\$0.28	6	1	\$4.50
TB KBES7	.35	7	1½	5.40

One dozen in a cardboard box.



Mill Bastard

For filing mill or circular saws, planer and mowing machine knives. For lathe work, draw filing and for finishing the several compositions of brass and bronze. Also for sharpening agricultural tools, such as, garden, field and cotton hoes.

Nos.	Each	Length, Inches	Weight Per Dozen, Lbs.	Std. List, Per Doz.
TB KM4	\$0.17	4	¾	\$ 3.00
TB KM6	.19	6	1¼	3.50
TB KM7	.23	7	2	3.90
TB KM8	.25	8	2¾	4.30
TB KMI0	.34	10	5¼	5.60
TB KMI2	.48	12	9	7.50
TB KMI4	.67	14	13½	10.70
TB KMI6	.90	16	20¾	14.70

Packing: 4-inch to 10-inch—one dozen in a cardboard box; 12-inch and over—one-half dozen in a cardboard box.



Straight Mill

Specially intended for use in filing cross cut saws. Single cut. Parallel in width and thickness, and does not taper at point. Can be used for filing buck and wood saws without removing blade from frame.

No.	Each	Length, Inches	Weight Per Dozen, Lbs.	Std. List, Per Doz.
TB KMC7	\$0.27	7	2	4.30

One dozen in a cardboard box.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER Files Cut Easier, Faster and Last Longer



Mill Bastard—One Round Edge

For filing mill or circular saws, planer and mowing machine knives. For lathe work, draw filing and for finishing the several compositions of brass and bronze. Also for sharpening agricultural tools, such as garden, field and cotton hoes. Round edge makes it suitable for filing gullet between saw teeth.

Nos.	Each	Length, Inches	Weight Per Dozen, Lbs.	Std. List, Per Doz.
TB KMO8	\$0.29	8	2 $\frac{5}{8}$	\$4.80
TB KMO10	.39	10	5 $\frac{1}{4}$	6.30
TB KMO12	.53	12	9	8.40



Safety Mill—Bastard Cut

Regular mill file except that end is a straight blank with rounded ends, instead of sharp pointed tang, which makes it easy and safe to be carried by a man in the field or in the pocket of a workman. Has hole for hanging.

For filing mill or circular saws, planer and mowing machine knives. For lathe work, draw filing and for finishing the several compositions of brass and bronze. Also for sharpening agricultural tools, such as, garden, field and cotton hoes.

No.	Each	Length, Inches	Weight Per Dozen, Lbs.	Std. List, Per Doz.
TB KNSM8	\$0.27	8	2 $\frac{3}{4}$	\$4.30



Flat Bastard

Rectangular section (proportion 4 to 1). In common use by machinists, machinery builders, ship and engine builders, repair men, etc. Double cut.

Nos.	Each	Length, Inches	Weight Per Dozen, Lbs.	Std. List, Per Doz.
TB KFB6	\$0.25	6	1 $\frac{5}{8}$	\$ 4.30
TB KFB8	.33	8	3 $\frac{3}{8}$	5.30
TB KFB10	.43	10	7	7.00
TB KFB12	.63	12	11 $\frac{5}{8}$	9.70
TB KFB14	.80	14	18 $\frac{1}{2}$	13.30
TB KFB16	1.10	16	27	17.80



Square Bastard

Square in section. Used principally for filing slots, key-seats, and general surface filing. Preferred by many to flat files because it is heavier in section and has four filing surfaces.

Nos.	Each	Length, Inches	Weight Per Dozen, Lbs.	Std. List, Per Doz.
TB KSB4	\$0.25	4	$\frac{1}{4}$	\$ 3.80
TB KSB6	.29	6	$\frac{7}{8}$	4.60
TB KSB8	.33	8	2	5.50
TB KSB10	.47	10	3 $\frac{3}{4}$	7.40
TB KSB12	.62	12	8 $\frac{1}{2}$	10.20
TB KSB14	.85	14	15	13.90

Packing: 4 to 10 inch—one dozen in a cardboard box; 12 inch and longer—one-half dozen in a cardboard box.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.



Flat Smooth

Rectangular section (proportion 4 to 1). In common use by machinists, machinery builders, ship and engine builders, repair men, etc. Fine double cut.

Nos.	Each	Length, Inches	Weight Per Dozen, Lbs.	Std. List, Per Doz.
TB KFS6	\$0.33	6	1 $\frac{5}{8}$	\$5.30
TB KFS8	.43	8	3 $\frac{3}{8}$	6.60
TB KFS10	.53	10	7	8.70
TB KFS12	.77	12	11 $\frac{5}{8}$	12.10



Half Round Bastard

Generally used by machinists, engineers, repair men, etc. Has rounded section on one side and flat on other, permitting variety of uses where any other type file would be unsatisfactory.

Nos.	Each	Length, Inches	Weight Per Dozen, Lbs.	Std. List, Per Doz.
TB KHR4	\$0.30	4	$\frac{5}{8}$	\$ 4.80
TB KHR6	.35	6	1 $\frac{1}{2}$	6.10
TB KHR8	.49	8	3 $\frac{3}{8}$	7.50
TB KHR10	.55	10	5 $\frac{3}{8}$	9.10
TB KHR12	.75	12	10	11.80
TB KHR14	.95	14	16	15.50
TB KHR16	1.29	16	22 $\frac{3}{4}$	20.60



Half Round Smooth

Generally used by machinists, engineers, repair men, etc. Has rounded section on one side and flat on other, permitting variety of uses where any other type file would be unsatisfactory. Fine smooth cut.

Nos.	Each	Length, Inches	Weight Per Dozen, Lbs.	Std. List, Per Doz.
TB KHRS8	\$0.53	8	3 $\frac{1}{8}$	\$ 8.80
TB KHRS10	.67	10	5 $\frac{3}{8}$	10.70
TB KHRS12	.85	12	10	13.90



Half Round Cabinet

Used by cabinet makers and other wood workers generally.

Nos.	Each	Length, Inches	Weight Per Dozen, Lbs.	Std. List, Per Doz.
TB KHRC10	\$0.85	10	5 $\frac{7}{8}$	\$13.70
TB KHRC12	1.15	12	10	18.90

Packing: 4 to 10 inch—one dozen in a cardboard box; 12 inch and longer—one-half dozen in a cardboard box.

KEEN KUTTER FILES



Round Bastard

Circular in section. Principally used for filing and enlarging circular openings and concave surfaces. Also valuable for filing gullets between saw teeth.

Nos.	Each	Length, Inches	Diam. Center,	Weight	Std. List, Doz.
			Inches	Dozen, Lbs.	
TB KRB4	\$0.19	4	$\frac{5}{16}$	$\frac{1}{4}$	\$3.00
TB KRB5	.21	5	$\frac{3}{8}$	$\frac{1}{2}$	3.20
TB KRB6	.24	6	$\frac{1}{4}$	$\frac{3}{4}$	3.50
TB KRB8	.29	8	$\frac{5}{16}$	1 $\frac{1}{4}$	4.30
TB KRB10	.33	10	$\frac{3}{8}$	3 $\frac{1}{4}$	5.60
TB KRB12	.47	12	$\frac{1}{2}$	6 $\frac{3}{4}$	7.50
TB KRB14	.67	14	$\frac{5}{8}$	12	10.70
TB KRB16	.90	16	$\frac{3}{4}$	19 $\frac{1}{2}$	14.70



CANT SAW

Used chiefly for filing cross cut saws having "M" shaped teeth.

Nos.	Each	Size, Inches	Weight	Std. List, Doz.
			Doz., Lbs.	
TB KCS6	\$0.33	6	1 $\frac{5}{8}$	\$5.40
TB KCS8	.39	8	2 $\frac{3}{4}$	6.40
TB KCS10	.52	10	5 $\frac{3}{8}$	8.70



Great American Cross Cut Saw

Specially adapted for filing special shaped teeth and gullets in Great American cross cut saws.

Nos.	Each	Length, Inches	Weight	Std. List, Doz.
			Doz., Lbs.	
TB KGA8	\$0.47	8	3 $\frac{3}{8}$	\$7.50
TB KGA10	.53	10	6	9.10



Knife Bastard

Knife shaped. Particularly adapted for use on special forms, die-work, etc. The included angle of sharp edge is 10 degrees and tapers in width and thickness to point. Double cut on both flat sides and single cut on both edges.

Nos.	Each	Length, Inches	Weight	Std. List, Doz.
			Doz., Lbs.	
TB KKB4	\$0.35	4	$\frac{7}{16}$	\$5.40
TB KKB5	.37	5	$\frac{5}{8}$	6.10
TB KKB6	.45	6	1	6.90



Warding—Bastard Cut

Rectangular in section. Principal use is for locksmiths in repairing or filing ward notches in keys; also suited for use in narrow spaces where other files would be too thick. Double cut.

Nos.	Each	Length, Inches	Weight	Std. List, Doz.
			Doz., Lbs.	
TB KWB4	\$0.25	4	$\frac{5}{16}$	\$4.00
TB KWB5	.29	5	$\frac{1}{2}$	4.50
TB KWB6	.30	6	$\frac{3}{4}$	4.90



Half Round Wood Files

Used by wood workers generally and occasionally for filing coarser kinds of brass work.

Nos.	Each	Length, Inches	Weight	Std. List, Doz.
			Doz., Lbs.	
TB KHRW10	\$0.65	10	5 $\frac{7}{8}$	\$10.70
TB KHRW12	.85	12	10	14.10

Packing: 4 to 10 inch—one dozen in a cardboard box; 12 inch—one-half dozen in a cardboard box.

KEEN KUTTER RASPS

• Expertly forged from highest grade tool steel. Natural gas tempered—rugged, long-lasting. Sharp teeth cut in latest improved machines to assure fast, easy cutting. Carefully tested and selected.



Half-Round Wood

Used by wood workers generally and also employed by wheelwrights, plumbers, etc.

Nos.	Each	Length, Inches	Weight	Std. List, Doz.
			Doz., Lbs.	
TB KHRWR8	\$0.59	8	3 $\frac{1}{4}$	\$10.10
TB KHRWR10	.85	10	6	13.70
TB KHRWR12	1.10	12	10 $\frac{1}{2}$	18.70
TB KHRWR14	1.49	14	16 $\frac{3}{4}$	24.00



Flat Wood

Flat on both sides. Used by wood workers generally and also employed by wheelwrights, plumbers, etc.

Nos.	Each	Length, Inches	Weight	Std. List, Doz.
			Doz., Lbs.	
TB KFWR10	\$0.75	10	7	\$12.80
TB KFWR12	1.09	12	11 $\frac{1}{2}$	17.50
TB KFWR14	1.39	14	18 $\frac{3}{4}$	23.20

Packing: 8 and 10 inch—one dozen in a cardboard box; 12 and 14 inch—one-half dozen in a cardboard box.



Half-Round Shoe

For use by shoe last and shoe pattern makers; also adapted for use on golf clubs and for wood filing where a smooth finish is desired.

No.	Each	Length, Inches	Weight	Std. List, Doz.
			Doz., Lbs.	
TB KRSS	\$0.59	8	4	\$10.10



Plain Horse

Rectangular in section. Has file teeth on one side and rasp teeth on other. Made especially for horseshoers.

Nos.	Each	Length, Inches	Weight	Std. List, Doz.
			Doz., Lbs.	
TB KP12	\$0.75	12	13 $\frac{3}{4}$	\$12.80
TB KP14	1.10	14	17 $\frac{1}{2}$	17.80
TB KP16	1.45	16	26 $\frac{3}{4}$	24.40



Plain, Slim, Extra-Light Horse

Extra light. Rectangular in section. Has file teeth on side and rasp teeth on other. Made especially for horseshoers.

Nos.	Each	Length, Inches	Weight	Std. List, Doz.
			Doz., Lbs.	
TB KPS16	\$1.35	16	21	\$21.50
TB KPS18	1.49	18	26	25.90

One-half dozen in a cardboard box.

All horse rasps made regular—one side all rasp; reverse side all file.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SIMMONS FILES

For Smooth, Easy Cutting.

• Forged from high-grade tool steel. Natural gas tempered—rugged, sturdy.

For filing and sharpening hand saws, or any type saw

having 60-degree angle teeth. Edges and corners are "set" and cut, to file gullet between saw teeth.

• Sharp teeth insure quick, easy cutting. Carefully tested and selected.



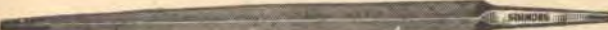
Carpenters' Special Slim Taper

Nos.	Each	Length, Inches	Weight Per Dozen, Lbs.	Std. List, Per Dozen
TB SCSS5	\$0.14	5	$\frac{5}{16}$	\$2.50
TY SCSS5 $\frac{1}{2}$	.15	5 $\frac{1}{2}$	$\frac{3}{8}$	2.90
TY SCSS6	.17	6	$\frac{3}{4}$	3.10
TY SCSS7	.20	7	$\frac{3}{4}$	3.80



Extra Slim Taper

Nos.	Each	Length, Inches	Weight Per Dozen, Lbs.	Std. List, Per Dozen
TB SEST5	\$0.14	5	$\frac{7}{16}$	\$2.50
TY SEST5 $\frac{1}{2}$	.15	5 $\frac{1}{2}$	$\frac{1}{2}$	2.90
TY SEST6	.17	6	$\frac{3}{4}$	3.10



Slim Taper Saw—Single Cut

Nos.	Each	Length, Inches	Weight Per Dozen, Lbs.	Std. List, Per Dozen
TB SST5	\$0.14	5	$\frac{1}{2}$	\$2.50
TY SST5 $\frac{1}{2}$	.15	5 $\frac{1}{2}$	$\frac{3}{4}$	2.90
TB SST6	.17	6	1	3.10



Regular Taper Saw—Single Cut

Nos.	Each	Length, Inches	Weight Per Dozen, Lbs.	Std. List, Per Dozen
TY SRT6	\$0.18	6	2	\$3.40
TB SRT7	.23	7	3 $\frac{1}{4}$	4.30

One dozen in a cardboard box.



Half Round Wood

Used by wood workers generally and occasionally for filing coarser kinds of brass work.

Nos.	Each	Length, Inches	Weight Per Dozen, Lbs.	Std. List, Per Dozen
TB SHRW10	\$0.59	10	5 $\frac{3}{8}$	\$10.70
TB SHRW12	.75	12	10	14.10

Packing: 10-inch—one dozen in a cardboard box. 12-inch—one-half dozen in a cardboard box.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.



Mill Bastard

For filing mill or circular saws, planer and mowing machine knives. For lathe work, draw filing and for finishing the several compositions of brass and bronze. Also for sharpening agricultural tools, such as garden, field and cotton hoes.

Nos.	Each	Length, Inches	Weight Per Dozen, Lbs.	Std. List, Per Dozen
TY SM6	\$0.17	6	1 $\frac{1}{4}$	\$3.50
TY SM8	.23	8	2	4.30
TB SM10	.29	10	5 $\frac{1}{4}$	5.60
TB SM12	.40	12	9	7.50
TB SM14	.59	14	13 $\frac{1}{8}$	10.70



Flat Bastard

Rectangular section (proportion 4 to 1). In common use by machinists, machinery builders, ship and engine builders, repair men, etc. Double cut.

Nos.	Each	Length, Inches	Weight Per Dozen, Lbs.	Std. List, Per Dozen
TB SFB10	\$0.37	10	7	\$7.00
TY SFB12	.49	12	11 $\frac{5}{8}$	9.70
TY SFB14	.69	14	18 $\frac{1}{2}$	13.30



Round Bastard

Circular in section. Principal use is for filing and enlarging circular openings and concave surfaces. Also valuable for filing gullet between saw teeth.

Nos.	Each	Length, Inches	Diam. at Center, Inch	Weight Per Dozen, Lbs.	Std. List, Per Dozen
TB SRB4	\$0.17	4	$\frac{3}{8}$	$\frac{1}{4}$	\$3.00
TB SRB6	.19	6	$\frac{1}{4}$	$\frac{3}{4}$	3.50
TB SRB8	.23	8	$\frac{1}{2}$	1 $\frac{3}{4}$	4.30
TB SRB10	.27	10	$\frac{3}{4}$	3 $\frac{1}{4}$	5.60
TB SRB12	.40	12	$\frac{1}{2}$	6 $\frac{3}{4}$	7.50



Half Round Bastard

Generally used by machinists, engineers, repair men, etc. Has rounded section on one side and flat on other, permitting variety of uses where any other type file would be unsatisfactory.

Nos.	Each	Length, Inches	Weight Per Dozen, Lbs.	Std. List, Per Dozen
TY SHR8	\$0.39	8	3 $\frac{1}{8}$	\$7.50
TY SHR10	.49	10	5 $\frac{3}{4}$	9.10
TY SHR12	.59	12	10	11.80

Packing: 4 to 10-inch—one dozen in a cardboard box. 12-inch and over—one-half dozen in a cardboard box.

SIMMONS FILES



Warding—Bastard Cut

Rectangular in section. Principal use is for locksmiths in repairing or filing ward notches in keys, also suited for use in narrow spaces where other files would be too thick. Double cut.

Nos.	Each	Length, Inches	Weight Per Dozen, Lbs.	Std. List, Per Dozen
TB SWB4	\$0.23	4	$\frac{5}{16}$	\$4.00



Cant Saw

Used chiefly for filing cross cut saws having "M" shaped teeth.

Nos.	Each	Length, Inches	Weight Per Dozen, Lbs.	Std. List, Per Dozen
TB SCS8	\$0.35	8	2 $\frac{3}{4}$	\$6.40

One dozen in a carton.

SIMMONS LEADER FILES

Good Quality at a Low Price

• Skillfully made to do good work. High quality steel. For filing and sharpening hand saws, or any type saw having 60-degree angle teeth. Edges and corners are "set" and cut, to file gullet between saw teeth. Length 6 inches.

TY SZ2—Slim Taper. Weight per carton (6) 7 ozs. Std. List, Each \$0.15.....Each \$0.15

TY SZ3—Extra Slim Taper. Weight per carton (6) 5 $\frac{1}{2}$ ozs. Std. List, Each \$0.15.....Each \$0.15

Six in a carton.

Mill Bastard

For filing mill or circular saws, planes and mowing machine knives. For lathe work, draw filing and for finishing the several compositions of brass and bronze. Also for sharpening agricultural tools, such as garden, field and cotton hoes.

Nos.	Each	Length, Inches	Wt. Per Carton (4), Lbs.	Std. List, Each
TY SZ4	\$0.15	6	$\frac{1}{2}$	\$0.15
TY SZ5	.20	8	$\frac{3}{4}$	.20
TY SZ6	.25	10	1 $\frac{3}{4}$	.25

Four in a carton.

A New
KEEN KOOKER
CAST IRON RANGE
Will Give You
BETTER, FASTER COOKING

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SIMMONS RASPS

For Smooth, Easy Cutting

• Forged from high-grade tool steel. Natural gas tempered—rugged, sturdy. Sharp teeth insure quick, easy cutting. Carefully tested and selected.



Half-Round Wood Rasps

Used by woodworkers generally and also employed by wheelwrights, plumbers, etc.

Nos.	Each	Lgth., In.	Wt. Per Doz., Lbs.	Std. List, Per Doz.
TB SHRWR10	\$0.73	10	6	\$13.70
TB SHRWR12	1.00	12	10 $\frac{3}{8}$	18.70



Half-Round Shoe Rasps

For use by shoe last and shoe pattern makers; also adapted for use on golf clubs and for wood filing where smooth finish is desired.

No.	Each	Lgth., In.	Wt. Per Doz., Lbs.	Std. List, Per Doz.
TB SRS8	\$0.69	8	4	\$10.10



Plain, Slim, Extra-Light Horse Rasps

Extra light. Rectangular in section. Has file teeth on one side and rasp teeth on other. Made especially for horseshoers.

Width 1 $\frac{1}{2}$ inches, thickness $\frac{5}{16}$ -inch.

No.	Each	Lgth., In.	Wt. Per Doz., Lbs.	Std. List, Per Doz.
TB SPS18	\$1.39	18	26	\$25.90

KLICKER RASPS

• Forged from good grade tool steel. Tempered to degree of hardness that provides endurance and toughness.



Plain Horse Rasps

Rectangular in section. Has file teeth on one side and rasp teeth on other. Made specially for horseshoers.

Nos.	Each	Lgth., In.	Wt. Per Doz., Lbs.	Std. List, Per Doz.
TY P12K	\$0.39	12	13 $\frac{3}{4}$	\$12.80
TB P14K	.57	14	17 $\frac{1}{2}$	17.80
TY P16K	.75	16	26 $\frac{3}{4}$	24.40

One-half dozen in a cardboard box.

All horse rasps made regular—one side all rasp, reverse side all file.

KLICKER FILES

KLICKER

Good Files at a Low Price!

- Forged from good grade tool steel. Tempered to degree of hardness that provides endurance and toughness.

For filing and sharpening hand saws, or any type saw having 60-degree angle teeth. Edges and corners are "set" and cut, to file gullet between saw teeth.



Extra Slim Taper Saw—Single Cut		Wt.	Std.
Nos.	Each	Per	List,
		Doz.,	Per
		Lgth.,	Doz.
		In.	Lbs.
TB EST5K	\$0.10	5	\$ 2.50
TB EST6K	.13	6	3.00



Slim Taper Saw—Single Cut		Wt.	Std.
Nos.	Each	Per	List,
		Doz.,	Per
		Lgth.,	Doz.
		In.	Lbs.
TB ST4K	\$0.10	4	\$ 2.20
TB ST4½K	.10	4½	2.30
TY ST5K	.10	5	2.50
TB ST6K	.12	6	3.10



Mill Bastard

For filing mill or circular saws, planer and mowing machine knives. For lathe work, draw filing and for finishing the several compositions of brass and bronze. Also for sharpening agricultural tools, such as garden, field and cotton hoes.

Nos.	Each	Lgth.,	Wt.	Std.
		In.	Per	List,
			Doz.,	Per
			Lbs.	Doz.
TB M6K	\$0.10	6	1¼	\$ 3.50
TB M8K	.13	8	2¾	4.30
TB M10K	.17	10	5¼	5.60
TB M12K	.25	12	9	7.50
TB M14K	.39	14	13¼	10.70



Safety Mill—Bastard Cut

Regular mill file except that end is a straight blank with rounded ends instead of sharp-pointed tang, which makes it easy and safe to be carried by a man in the field or in the pocket of a workman. Has hole for hanging.

For filing mill or circular saws, planer and mowing machine knives. For lathe work, draw filing and for finishing the several compositions of brass and bronze. Also for sharpening agricultural tools, such as garden, field and cotton hoes.

No.	Each	Lgth.,	Wt.	Std.
		In.	Per	List,
			Doz.,	Per
			Lbs.	Doz.
TB MNSBK	\$0.17	8	2¾	\$ 4.30



Great American Cross-Cut Saw

Specially adapted for filing special shaped teeth and gullets in Great American cross-cut saws.

No.	Each	Lgth.,	Wt.	Std.
		In.	Per	List,
			Doz.,	Per
			Lbs.	Doz.
TB GA8K	\$0.35	8	3¾	\$ 7.50

Packing: 6 to 10-inch—one dozen in a cardboard box; 12 and 14-inch—one-half dozen in a cardboard box.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

HANDY FILE



NICHOLSON

One of the most practical files for use on the farm, in the garage, around the home or wherever tools must be sharpened and general filing work done. Combination mill and flat file. Single cut on one side and double cut on the other, with one cutting edge and one safe edge.

Forged from tool steel, tempered. Tested and selected. Orange colored safety handles with hole for hanging. Length of file 8 inches. Length over all 11¼ inches.

TB NH810—Weight per dozen 6 lbs.....Each \$0.35

Each file cellophane wrapped and packed one dozen in a counter display box with display card to attach to box.

FILE ASSORTMENTS



NICHOLSON

- This display contains 66 sharp, durable, tested files.
- Popular lengths, kinds and cuts.
- Each kind and size in special compartment, plainly labeled.

Display is made in attractive, brilliant colors. Compact—takes up very little counter space—size 13½ x 8½ x 1½ inches.

Stands on easel. Each file wrapped in moisture-proof cellophane.

Assortment consists of:

	Each
12 6-inch slim taper files	\$0.20
12 6-inch extra slim taper files	.20
12 6-inch mill bastard files	.20
18 8-inch mill bastard files	.25
12 10-inch mill bastard files	.35

TB N—Weight each 15 lbs.

Women Know Good Stoves:

The **SIMMONS**

CAST IRON RANGE

Is a Winner

NICHOLSON FILES

MAKE HARD FILING EASY

• Forged from special analysis high-carbon tool steel. Tempered to stand great strain.

For filing and sharpening hand saws, or any type saw having 60-degree angle teeth. Edges and corners are "set" and cut, to file gullet between saw teeth.

• Every file tested and selected.



Mill Bastard

For filing mill or circular saws, planer and mowing machine knives. For lathe work, draw filing and for finishing the several compositions of brass and bronze. Also for sharpening agricultural tools, such as garden, field and cotton hoes.

Nos.	Each	Length, Inches	Weight Per Doz., Lbs.	Std. List, Per Doz.
TY NM4	\$0.18	4	3/4	\$3.00
TY NM5	.19	5	3/4	3.20
TY NM6	.20	6	1 1/4	3.50
TY NM8	.25	8	2 3/4	4.30
TB NM10	.35	10	5 1/4	5.60
TB NM12	.50	12	9	7.50
TB NM14	.70	14	13 1/4	10.70
TB NM16	.95	16	20 5/8	14.70



Flat Bastard

Rectangular section (proportion 4 to 1). In common use by machinists, machinery builders, ship and engine builders, repair men, etc. Double cut.

Nos.	Each	Length, Inches	Weight Per Doz., Lbs.	Std. List, Per Doz.
TB NFB6	\$0.27	6	1 5/8	\$4.30
TB NFB8	.35	8	3 5/8	5.30
TB NFB10	.45	10	7	7.00
TB NFB12	.65	12	11 5/8	9.70
TB NFB14	.85	14	18 1/2	13.30
TB NFB16	1.15	16	27	17.80



Mill Bastard—One Round Edge

For filing mill or circular saws, planer and mowing machine knives. For lathe work, draw filing and for finishing the several compositions of brass and bronze. Also for sharpening agricultural tools, such as garden, field and cotton hoes. Round edge makes it suitable for filing gullet between saw teeth.

Nos.	Each	Length, Inches	Weight Per Doz., Lbs.	Std. List, Per Doz.
TB NMO8	\$0.30	8	2 5/8	\$4.80
TB NMO10	.40	10	5 1/4	6.30
TB NMO12	.55	12	9	8.40



Cant Saw

Used chiefly for filing cross-cut saws having "M"-shaped teeth.

Nos.	Each	Length, Inches	Weight Per Doz., Lbs.	Std. List, Per Doz.
TB NCS8	\$0.40	8	2 3/4	\$6.40
TB NCS10	.55	10	5 3/8	8.70

Packing: 4- to 10-inch—one dozen in a cardboard box; 12-inch and over—one-half dozen in a cardboard box.

Extra Slim Taper

Nos.	Each	Length, Inches	Weight Per Doz., Lbs.	Std. List, Per Doz.
TB NEST4	\$0.14	4	1/4	\$2.20
TB NEST4 1/2	.15	4 1/2	1/4	2.30
TB NEST5	.16	5	1/4	2.50
TB NEST5 1/2	.18	5 1/2	1/2	2.90
TB NEST6	.20	6	3/4	3.10
TB NEST7	.25	7	1 1/8	3.80
TB NEST8	.30	8	2	4.50



Double Extra Slim Taper

Nos.	Each	Length, Inches	Weight Per Doz., Lbs.	Std. List, Per Doz.
TB NDST6	\$0.20	6	1/4	\$3.10
TB NDST7	.25	7	3/4	3.80
TB NDST8	.30	8	1	4.50



Regular Taper Saw—Single Cut

Nos.	Each	Length, Inches	Weight Per Doz., Lbs.	Std. List, Per Doz.
TB NRT4 1/2	\$0.16	4 1/2	1	\$2.40
TB NRT6	.22	6	2	3.40
TB NRT8	.35	8	4 1/4	5.40



Slim Taper Saw—Single Cut

Nos.	Each	Length, Inches	Weight Per Doz., Lbs.	Std. List, Per Doz.
TB NST5	\$0.16	5	1/2	\$2.50
TB NST5 1/2	.18	5 1/2	3/4	2.90
TB NST6	.20	6	1	3.10
TB NST7	.25	7	1 3/4	3.80
TB NST8	.30	8	2 3/4	4.50

One dozen in a cardboard box.



Flat Smooth

Rectangular section (proportion 4 to 1). In common use by machinists, machinery builders, ship and engine builders, repair men, etc. Double cut, fine cut.

Nos.	Each	Length, Inches	Weight Per Doz., Lbs.	Std. List, Per Doz.
TB NFS6	\$0.35	6	1 5/8	\$5.30
TB NFS8	.45	8	3 5/8	6.60
TB NFS10	.55	10	7	8.70
TB NFS12	.80	12	11 5/8	12.10
TB NFS14	1.10	14	18 1/2	16.70

Packing: 6- and 8-inch—one dozen in a cardboard box; 10-inch and over—one-half dozen in a cardboard box.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

NICHOLSON FILES

- Expertly forged from special analysis high carbon tool steel. Tempered, tested and selected.



Half Round Bastard

Generally used by machinists, engineers, repair men, etc. Has rounded section on one side and flat on other, permitting variety of uses where any other type file would be unsatisfactory.

Nos.	Each	Length, Inches	Weight Doz., Lbs.	Std. List, Doz.
TB NHR6	\$0.37	6	1½	\$ 6.10
TB NHR8	.50	8	3½	7.50
TB NHR10	.57	10	5¾	9.10
TB NHR12	.78	12	10	11.80
TB NHR14	1.00	14	16	15.50
TB NHR16	1.35	16	22¾	20.60



Half Round Smooth

Generally used by machinists, engineers, repair men, etc. Has rounded section on one side and flat on other, permitting variety of uses where any other type file would be unsatisfactory. Smooth cut.

Nos.	Each	Length, Inches	Weight Doz., Lbs.	Std. List, Doz.
TB NHRS4	\$0.37	4	5/8	\$ 6.10
TB NHRS6	.45	6	1½	7.10
TB NHRS8	.55	8	3½	8.90
TB NHRS10	.70	10	5¾	10.70
TB NHRS12	.90	12	10	13.90



Square Bastard

Square in section. Used principally for filing slots, key-seats, and general surface filing. Preferred by many to flat files because it is heavier in section and has four filing surfaces.

Nos.	Each	Length, Inches	Weight Doz., Lbs.	Std. List, Doz.
TB NSB6	\$0.30	6	7/8	\$ 4.60
TB NSB8	.35	8	2	5.50
TB NSB10	.50	10	3¾	7.40
TB NSB12	.65	12	8½	10.20
TB NSB14	.90	14	15	13.90

Packing: 4 to 10-inch—one dozen in a cardboard box; 10-inch and over—one-half dozen in a cardboard box.

FILE ASSORTMENTS



BLACK DIAMOND

- This display contains 66 sharp, durable, tested files.
- Popular lengths, kinds and cuts.
- Each kind and size in special compartment, plainly labeled.
- Display is made in attractive, brilliant colors. Compact—takes up very little counter space—size 13¾ x 8¾ x 1¾ inches. Stands on easel.

Each file wrapped in moisture-proof cellophane.

Assortment consists of:	Each
12— 6-inch slim taper files.....	\$0.20
12— 6-inch extra slim taper files.....	.20
12— 6-inch mill bastard files.....	.20
18— 8-inch mill bastard files.....	.25
12—10-inch mill bastard files.....	.35
TB BD—Weight per dozen 15 lbs.	

NICHOLSON FILES

- Expertly forged from special analysis high carbon tool steel. Tempered, tested and selected.



Knife Bastard

Knife-shaped. Particularly adapted for use on special forms, die-work, etc.

Nos.	Each	Length, Inches	Weight Doz., Lbs.	Std. List, Doz.
TB NKB6	\$0.47	6	1	\$9.90



Round Bastard

Circular in section. Principal use is for filing and enlarging circular openings and concave surfaces.

Nos.	Each	Length, Inches	Diam. Center, Inches	Weight Dozen, Lbs.	Std. List, Doz.
TB NRB4	\$0.20	4	3/8	1/4	\$ 3.00
TB NRB5	.22	5	5/8	7/8	3.20
TB NRB6	.25	6	1/4	3/4	3.50
TB NRB8	.30	8	1/8	1¾	4.30
TB NRB10	.35	10	3/8	3¼	5.60
TB NRB12	.50	12	1/2	6¾	7.50
TB NRB14	.70	14	5/8	12	10.70
TB NRB16	.95	16	3/4	19½	14.70



Warding—Bastard Cut

Rectangular in section. Principal use is for locksmiths in repairing or filing ward notches in keys. Double cut.

Nos.	Each	Length, Inches	Weight Doz., Lbs.	Std. List, Doz.
TB NWB4	\$0.25	4	5/8	\$4.00
TB NWB5	.30	5	1½	4.50
TB NWB6	.33	6	¾	4.90

BLACK DIAMOND FILES

- Forged from special analysis high carbon tool steel for long life. Tempered—durable, tough. Teeth designed for sharp, easy filing. Tested and selected. For filing and sharpening hand saws, or any type saw having 60-degree angle teeth.



Nos.	Each	Length, Inches	Weight Doz., Lbs.	Std. List, Doz.
TB BDXST4	\$0.14	4	1/4	\$2.20
TB BDXST4½	.15	4½	1/8	2.30
TB BDXST5	.16	5	1/8	2.50
TB BDXST5½	.18	5½	3/8	2.90
TB BDXST6	.20	6	3/4	3.10



Slim Taper Saw—Single Cut

Nos.	Each	Length, Inches	Weight Doz., Lbs.	Std. List, Doz.
TB BDST5½	\$0.18	5½	3/4	\$2.90
TB BDST6	.20	6	1	3.10



Mill Bastard

For filing mill or circular saws, planer and mowing machine knives. For lathe work, draw filing and for finishing the several compositions of brass and bronze.

Nos.	Each	Length, Inches	Weight Doz., Lbs.	Std. List, Doz.
TY BDM6	\$0.20	6	1¼	\$ 3.50
TY BDM8	.25	8	2¾	4.30
TB BDM10	.35	10	5¼	5.60
TB BDM12	.50	12	9	7.50
TB BDM14	.70	14	13¾	10.70

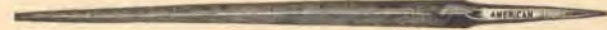
Packing: 4- to 10-inch—one dozen in a cardboard box; 12-inch and over—one-half dozen in a cardboard box.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

AMERICAN FILES AND RASPS

• Forged from good quality steel—assures dependable service. Tempered to proper hardness—tough, sturdy.

• Tested and selected—a file for every job.



Extra Slim Taper

For filing and sharpening hand saws, or any type saw having 60-degree angle teeth. Edges and corners are "set" and cut, to file gullet between saw teeth.

Nos.	Each	Length, Inches	Weight Doz., Lbs.	Std. List, Doz.
TB AEST4	\$0.12	4	1/4	\$2.20
TB AEST5	.15	5	7/8	2.50
TB AEST6	.18	6	3/4	3.10



Slim Taper Saw—Single Cut

Nos.	Each	Length, Inches	Weight Doz., Lbs.	Std. List, Doz.
TB AST4	\$0.12	4	5/8	\$2.20
TB AST5	.15	5	1/2	2.50
TB AST6	.18	6	1	3.10



Mill Bastard

For filing mill or circular saws, planes and mowing machine knives. For lathe work, draw filing and for finishing the several compositions of brass and bronze. Also for sharpening agricultural tools, such as garden, field and cotton hoes.

Nos.	Each	Length, Inches	Weight Doz., Lbs.	Std. List, Doz.
TB AM4	\$0.17	4	3/8	\$3.00
TB AM6	.18	6	1 1/4	3.50
TB AM8	.25	8	2 3/4	4.30
TB AM10	.30	10	5 1/4	5.60
TB AM12	.43	12	9	7.50
TB AM14	.60	14	13 1/8	10.70



Flat Bastard

Rectangular section (proportion 4 to 1). In common use by machinists, machinery builders, ship and engine builders, repair men, etc. Double cut.

Nos.	Each	Length, Inches	Weight Doz., Lbs.	Std. List, Doz.
TB AFB4	\$0.19	4	1	\$ 3.70
TB AFB6	.25	6	1 5/8	4.30
TB AFB8	.30	8	3 5/8	5.30
TB AFB10	.39	10	7	7.00
TB AFB12	.50	12	11 5/8	9.70
TB AFB14	.73	14	18 1/2	13.30
TB AFB16	.95	16	27	17.80



Flat Smooth

Rectangular section (proportion 4 to 1). In common use by machinists, machinery builders, ship and engine builders, repair men, etc. Double cut, fine cut.

Nos.	Each	Length, Inches	Weight Doz., Lbs.	Std. List, Doz.
TB AFS6	\$0.30	6	1 5/8	\$ 5.30
TB AFS8	.37	8	3 5/8	6.60
TB AFS10	.49	10	7	8.70
TB AFS12	.69	12	11 5/8	12.10
TB AFS14	.95	14	18 1/2	16.70

Packing: 4 to 10-inch—one dozen in a cardboard box; 12-inch and over—one-half dozen in a cardboard box.



Half Round Bastard

Generally used by machinists, engineers, repair men, etc. Has rounded section on one side and flat on other, permitting variety of uses where any other type file would be unsatisfactory.

Nos.	Each	Length, Inches	Weight Doz., Lbs.	Std. List, Doz.
TB AHR4	\$0.27	4	5/8	\$ 4.80
TB AHR6	.35	6	1 1/2	6.10
TB AHR8	.40	8	3 1/8	7.50
TB AHR10	.50	10	5 3/4	9.10
TB AHR12	.60	12	10	11.80
TB AHR14	.89	14	16	15.50



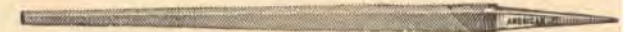
Round Bastard

Circular in section. Principal use is for filing and enlarging circular openings and concave surfaces. Also valuable for filing gullet between saw teeth.

Nos.	Each	Length, Inches	Diam. Center, Inches	Weight Dozen, Lbs.	Std. List, Doz.
TB ARB4	\$0.18	4	3/2	1/4	\$3.00
TB ARB6	.20	6	3/4	3/4	3.50
TB ARB8	.25	8	3/8	1 3/4	4.30
TB ARB10	.29	10	3/8	3 1/4	5.60
TB ARB12	.43	12	1/2	6 3/4	7.50

Round Smooth

TB ARS6	.27	6	1/4	3/4	4.50
TB ARS8	.29	8	1/8	1 3/4	5.40
TB ARS10	.30	10	3/8	3 1/4	7.00
TB ARS12	.45	12	1/2	6 3/4	9.40



Square Bastard

Square in section. Used principally for filing slots, key-seats, and general surface filing. Preferred by many to flat files because it is heavier in section and has four filing surfaces.

Nos.	Each	Length, Inches	Weight Doz., Lbs.	Std. List, Doz.
TB ASB6	\$0.27	6	7/8	\$ 4.60
TB ASB8	.30	8	2	5.50
TB ASB10	.45	10	3 3/4	7.40
TB ASB12	.60	12	8 1/2	10.20



Half Round Smooth

Generally used by machinists, engineers, repair men, etc. Has rounded section on one side and flat on other, permitting variety of uses where any other type file would be unsatisfactory. Smooth cut.

Nos.	Each	Length, Inches	Weight Doz., Lbs.	Std. List, Doz.
TB AHRS4	\$0.35	4	5/8	\$ 6.10
TB AHRS6	.40	6	1 1/2	7.10
TB AHRS8	.55	8	3 1/8	8.90
TB AHRS10	.69	10	5 3/4	10.70
TB AHRS12	.89	12	10	13.90

AMERICAN RASPS



Half-Round Cabinet Smooth Rasp

Used by cabinet makers and other wood workers generally.

Nos.	Each	Length, Inches	Weight Doz., Lbs.	Std. List, Doz.
TB ARCS10	\$1.25	10	5 7/8	\$20.70
TB ARCS12	1.45	12	10	26.80

Packing: 10-inch—one dozen in a cardboard box; 12-inch—one-half dozen in a cardboard box.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

NICHOLSON X. F. SWISS FILES

PROVIDE EXTRA FINE CUTTING

• Expertly made in accordance with original Swiss designs or patterns. For jewelers, watch and fine tool makers. Also handy for die making and similar fine work requiring superior workmanship and extra fine tools.

Cuts in files are designated by numbers ranging from No. 00, the coarsest, to No. 6, the finest.



Hand

These files are equaling or parallel in width and tapering in thickness. Double cut on two flat sides and single cut on one edge.

Nos.	Each	Length, Inches	Weight Doz., Lbs.	Std. List, Doz.
Greatest width $2\frac{3}{32}$ inch, greatest thickness $\frac{5}{32}$ inch				
TB XFH600	\$0.50	6	2 $\frac{1}{4}$	\$4.90
TB XFH62	.55	6	2 $\frac{1}{4}$	5.40
Greatest width $2\frac{9}{32}$ inch, greatest thickness $\frac{3}{16}$ inch				
TB XFH800	.70	8	4 $\frac{1}{2}$	7.00
TB XFH82	.75	8	4 $\frac{1}{2}$	7.00



Pillar

Similar in shape to hand files but about two-thirds as wide. Double cut on two flat sides only. Both edges safe.

Nos.	Each	Length, Inches	Weight Doz., Lbs.	Std. List, Doz.
Greatest width $2\frac{1}{16}$ inch, greatest thickness $\frac{5}{32}$ inch				
TB XFP600	\$0.37	6	1 $\frac{5}{8}$	\$3.40
TB XFP60	.37	6	1 $\frac{5}{8}$	3.40
TB XFP62	.39	6	1 $\frac{5}{8}$	3.70
Greatest width $3\frac{9}{16}$ inch, greatest thickness $1\frac{3}{16}$ inch				
TB XFP800	.50	8	3 $\frac{1}{2}$	4.80
TB XFP80	.50	8	3 $\frac{1}{2}$	4.80
TB XFP82	.55	8	3 $\frac{1}{2}$	5.20



Pillar Narrow

Same as pillar files except narrower. Double cut on two flat sides only. Both edges safe.

Nos.	Each	Length, Inches	Weight Doz., Lbs.	Std. List, Doz.
Greatest width $2\frac{3}{16}$ inch, greatest thickness $\frac{5}{32}$ inch				
TB XFPN600	\$0.37	6	1 $\frac{1}{4}$	\$3.40
TB XFPN60	.37	6	1 $\frac{1}{4}$	3.40
TB XFPN62	.39	6	1 $\frac{1}{4}$	3.70
Greatest width $2\frac{9}{16}$ inch, greatest thickness $\frac{7}{32}$ inch				
TB XFPN800	.50	8	2 $\frac{5}{8}$	4.80
TB XFPN80	.50	8	2 $\frac{5}{8}$	4.80
TB XFPN82	.55	8	2 $\frac{5}{8}$	5.20



Pillar Extra Narrow

Same as pillar narrow files except narrower. Cut on two flat sides only. Both edges safe.

Nos.	Each	Length, Inches	Weight Doz., Lbs.	Std. List, Doz.
Greatest width $1\frac{5}{16}$ inch, greatest thickness $\frac{5}{32}$ inch				
TB XFXN600	\$0.37	6	$\frac{7}{8}$	\$3.40
TB XFXN60	.37	6	$\frac{7}{8}$	3.40
TB XFXN62	.39	6	$\frac{7}{8}$	3.70
Greatest width $1\frac{9}{16}$ inch, greatest thickness $\frac{7}{32}$ inch				
TB XFXN800	.50	8	2	4.80
TB XFXN80	.50	8	2	4.80
TB XFXN82	.55	8	2	5.20

One dozen in a carton.

• Manufactured in accordance with Swiss designs or patterns.
• Cuts in files designated by numbers ranging from No. 00, the coarsest, to No. 6, the finest.



Warding

Rectangular in section with thickness approximately $\frac{1}{4}$ of width. Tapers to point in width and tapers slightly in thickness. Double cut on two flat sides. Single cut on both edges.

Nos.	Each	Length, Inches	Weight Doz., Lbs.	Std. List, Doz.
Greatest width $\frac{7}{16}$ inch, greatest thickness $\frac{3}{64}$ inch				
TB XFW400	\$0.33	4	$\frac{5}{16}$	\$3.20
TB XFW40	.33	4	$\frac{5}{16}$	3.20
TB XFW42	.38	4	$\frac{5}{16}$	3.20
Greatest width $\frac{7}{16}$ inch, greatest thickness $\frac{1}{16}$ inch				
TB XFW500	.40	5	$\frac{1}{2}$	3.80
TB XFW50	.40	5	$\frac{1}{2}$	3.80
TB XFW52	.45	5	$\frac{1}{2}$	4.40
Greatest width $1\frac{9}{32}$ inch, greatest thickness $\frac{5}{64}$ inch				
TB XFW600	.49	6	$\frac{3}{4}$	4.60
TB XFW60	.49	6	$\frac{3}{4}$	4.60
TB XFW62	.57	6	$\frac{3}{4}$	5.30
Greatest width $\frac{3}{4}$ inch, greatest thickness $\frac{3}{32}$ inch				
TB XFW800	.65	8	1 $\frac{5}{8}$	6.20
TB XFW80	.65	8	1 $\frac{5}{8}$	6.20
TB XFW82	.69	8	1 $\frac{5}{8}$	6.90



Knife

Knife-shaped. The included angle of sharp edge is 10 degrees, tapering in width and thickness to point. Double cut on two flat sides. Single cut on both edges.

Nos.	Each	Length, Inches	Weight Doz., Lbs.	Std. List, Doz.
Greatest width $2\frac{9}{16}$ inch				
TB XFK400	\$0.45	4	$\frac{1}{2}$	\$4.40
TB XFK40	.45	4	$\frac{1}{2}$	4.40
TB XFK42	.50	4	$\frac{1}{2}$	5.00
Greatest width $2\frac{5}{16}$ inch				
TB XFK500	.50	5	$\frac{3}{4}$	4.80
TB XFK50	.50	5	$\frac{3}{4}$	4.80
TB XFK52	.57	5	$\frac{3}{4}$	5.60
Greatest width $2\frac{1}{16}$ inch				
TB XFK600	.63	6	1 $\frac{1}{8}$	6.00
TB XFK60	.63	6	1 $\frac{1}{8}$	6.00
TB XFK62	.70	6	1 $\frac{1}{8}$	7.00
Greatest width $2\frac{7}{32}$ inch				
TB XFK800	.89	8	2 $\frac{1}{4}$	8.60
TB XFK80	.89	8	2 $\frac{1}{4}$	8.60
TB XFK82	1.00	8	2 $\frac{1}{4}$	9.80

One dozen in a carton.

KEEN TONE RADIO

Gives You

Matchless Performance and
Exquisite Design

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

NICHOLSON X. F. SWISS FILES

Provide Extra Fine Cutting



Square

Square in section. Tapers on all four sides to fine point. Double cut on four sides.

Nos.	Each	Length, Inches	Weight Per Doz., Lbs.	Std. List, Per Doz.
Greatest section 1/8 inch square				
TB XFS400	\$0.40	4	1/4	\$3.80
TB XFS40	.40	4	1/4	3.80
TB XFS42	.42	4	1/4	4.00
Greatest section 5/32 inch square				
TB XFS500	.43	5	5/16	4.20
TB XFS50	.43	5	5/16	4.20
TB XFS52	.47	5	5/16	4.50
Greatest section 3/16 inch square				
TB XFS600	.53	6	5/8	5.00
TB XFS60	.53	6	5/8	5.00
TB XFS62	.57	6	5/8	5.40
Greatest section 1/4 inch square				
TB XFS800	.63	8	1 1/2	6.00
TB XFS80	.63	8	1 1/2	6.00
TB XFS82	.69	8	1 1/2	6.80

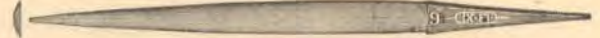


Round

Circular section, tapering throughout their length to fine point. Double cut.

Nos.	Each	Length, Inches	Weight Per Doz., Lbs.	Std. List, Per Doz.
Greatest diameter 1/8 inch				
TB XFR400	\$0.27	4	1/4	\$2.80
TB XFR40	.27	4	1/4	2.80
TB XFR42	.32	4	1/4	3.00
Greatest diameter 3/16 inch				
TB XFR600	.42	6	3/4	4.00
TB XFR60	.42	6	3/4	4.00
TB XFR62	.45	6	3/4	4.40
Greatest diameter 1/4 inch				
TB XFR800	.59	8	1 1/4	5.80
TB XFR80	.59	8	1 1/4	5.80
TB XFR82	.65	8	1 1/4	6.20

One dozen in a carton.



Half-Round

Half-round in section, tapering in width and thickness to point. Double cut on both flat and half-round sides.

Nos.	Each	Length, Inches	Weight Per Doz., Lbs.	Std. List, Per Doz.
Greatest width 27/64 inch, greatest thickness 1/8 inch				
TB XFHR400	\$0.55	4	1/2	\$5.10
TB XFHR40	.55	4	1/2	5.10
TB XFHR42	.63	4	1/2	6.00
Greatest width 17/32 inch, greatest thickness 9/64 inch				
TB XFHR600	.69	6	1 1/4	6.80
TB XFHR60	.69	6	1 1/4	6.80
TB XFHR62	.80	6	1 1/4	8.00
Greatest width 23/32 inch, greatest thickness 13/64 inch				
TB XFHR800	1.00	8	2 3/4	10.00
TB XFHR80	1.00	8	2 3/4	10.00
TB XFHR82	1.10	8	2 3/4	11.30

- Especially designed for jewelers, watch and tool makers.
- Ideal for die making and similar fine work requiring superior workmanship and extra fine tools.



Three Square

Triangular in section with angles of 60 degrees, tapering to point. Sharp corners. Double cut on three sides. Single cut on edges.

Nos.	Each	Length, Inches	Weight Per Doz., Lbs.	Std. List, Per Doz.
Greatest width 19/64 inch, all sides				
TB XF3S500	\$0.45	5	3/4	\$4.30
TB XF3S50	.45	5	3/4	4.30
TB XF3S52	.49	5	3/4	4.70
Greatest width 25/64 inch, all sides				
TB XF3S600	.50	6	1 1/8	4.80
TB XF3S60	.50	6	1 1/8	4.80
TB XF3S62	.55	6	1 1/8	5.20

One dozen in a carton.

A New KEEN KOOKER Cast Iron Range Will Give You Better, Faster Cooking

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

FILES



WEED

Special Blunt—Single Cut

- Forged from tool steel to provide long, satisfactory duty. Tempered to proper hardness—strong, durable. Tested and selected. Designed especially for quick, easy filing of extremely hard tempered saws.

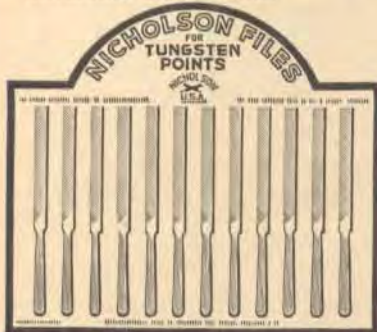
Preferred by carpenters and expert saw filers for filing hand saws.

Nos.	Each	Length, Inches	Weight Per Doz., Lbs.	Std. List, Per Doz.
TB WB5	\$0.23	5	$\frac{3}{4}$	\$3.80
TB WB5 1/2	.25	5 1/2	$\frac{3}{4}$	4.40
TB WB6	.27	6	1	4.70

One dozen files and one-third dozen handles in a box.

NICHOLSON

- Chisel point permits opening contact points without disturbing adjustments.



Tungsten or Iridium Contact Point

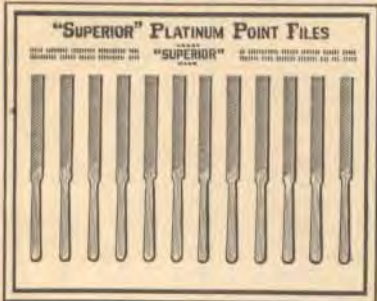
Highest grade steel, specially hardened and finely milled.

Double cut. Length 6 inches; width $\frac{5}{16}$ inch; thickness $\frac{3}{32}$ inch. Length of cut 3 inches.

Flat shank, orange enameled.

TB 12C—Weight per dozen 5 ozs. Each \$0.15

One dozen on an easel back display card 9 1/2 x 10 5/8 inches.



Superior—Platinum Magneto, Spark Plug or Coil

Highest grade steel. Hardened and finely milled. For filing and cleaning platinum points.

Length 5 1/4 inches; width $\frac{5}{16}$ inch; thickness $\frac{1}{16}$ inch. Length of cut 2 1/4 inches.

Flat shank, orange enameled.

TB 6C—Single cut. Weight per dozen 5 ozs. Each \$0.10

One dozen on an easel back display card.

TB 5 1/2 DC—Double cut. Weight per dozen 3/8 lb. Each \$0.07

One dozen in a cardboard box.

AUGER BIT FILES



Made especially for sharpening auger bits.

Forged from tool steel. Tempered to correct toughness and polished. One end cut on edges, reverse end cut on sides only. Length 6 1/4 inches. Cutting edges 2 inches long, cutting sides 2 1/2 inches long. Width $\frac{1}{8}$ inch, tapering to point.

TB 21—Weight per dozen 3/4 lb. Each \$0.25

One dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

FILE HANDLES

KLICHER



- Plain finish basswood shaped to fit the hand. Steel ferrule attached to handle.

Assortment of 3 dozen—assorted small, medium and large sizes.

TB 234K—Weight per assortment 2 lbs. Each \$0.10

One assortment in a carton.



Janned iron handle and clamp. Steel set screw adjustable to hold any size small shank tool. Length 5 inches.

TB 118—Weight per dozen 4 lbs. Each \$0.10

One dozen in a carton.



LUTZ

Particularly adapted for heavy duty. Guaranteed against splitting under severe use and to outlast many ordinary file handles.

Straight grained hardwood, natural finish. Heavy polished steel ferrules that cannot be lost. Files remain rigid in handle.

Nos.	Each	For Files, Inches	Largest Diam. of Handle, Inches	Length Over All, Inches	Weight Per Dozen, Lbs.
TB L2	\$0.10	3 to 6	1 1/8	4 1/2	1 1/4
TB L3	.10	6 to 8	1 1/8	4 7/8	2
TB L4	.10	12 to 16	1 1/8	5 1/2	2 3/4
TB L5	.15	16 to 20	1 1/8	5 7/8	3 1/4

Three dozen in a carton.

FILE CLEANERS



NICHOLSON

Combination wire brush, bristle brush and scorer.

Especially adapted for cleaning fine cut files.

One-piece hardwood block, nicely varnished. Hardened and tempered steel wire teeth securely attached to heavy canvas firmly glued to block. Good grade bristle brush stapled in block. Soft iron scorer easily and quickly removes pins which fill up and clog file teeth. Size of faces 4 1/2 x 1 1/2 inches. Length over all 10 inches.

TB NFB3—Weight per dozen 3 1/2 lbs. Each \$0.89

EXCELSIOR



Natural finish hardwood back and handle. Hardened steel wire brush firmly attached to thick canvas face.

Length of wire teeth 1/4 inch. Size of face 4 x 1 1/2 inches. Length over all 8 1/2 inches.

TB 2—Weight per dozen 2 lbs. Each \$0.45

One-half dozen in a carton.



Here's a practical brush for general use. Very effective for removing solder, roughing

fabric, cleaning files and similar work.

Smoothly finished hardwood block. Hardened and tempered round steel wire teeth, 1/8 inch long. Size of face of brush 3 3/4 x 1 1/2 inches. Length over all 8 1/2 inches.

TB 1680—Weight per dozen 1 1/2 lbs. Each \$0.10

One dozen in a carton.

AGRICULTURAL WRENCHES



SIMMONS LEADER

Knife Handle
Forged steel bar and head. Tough malle-

able iron handle frame. Head and jaw hardened. Bar extends to end of handle and is riveted. Selected hardwood grip secured by two rivets and countersunk washers. Knurled adjusting screw.

Nos.	Each	Length, Inches	Jaws Open, Inches	Weight Per Carton (4), Lbs.	Std. List, Each
TB SG1	\$0.89	8	1 1/4	6 1/4	\$0.89
TB SG2	1.10	10	1 3/4	8 5/8	1.10

Four in a carton.

GENUINE COE'S



BLACK FINISH

Forged tool steel. Case-hardened jaws. Shank extends through to end

of handle. Polished malleable iron ferrules. Varnished hardwood grip riveted to handle with heavy iron rivet. Knurled steel adjusting screw.

Nos.	Each	Length, Inches	Jaws Open, Inches	Weight Per Doz., Lbs.	Std. List, Per Doz.
TY C8	\$0.98	8	1 1/4	15	\$18.00
TY C10	1.19	10	2 1/4	25	22.00
TY C12	1.59	12	2 3/4	38	28.00
TY C15	2.19	15	2 5/8	57	38.00



AGRICULTURAL

Wrought iron. Case-hardened jaws. Shank extends through to end of handle,

screwed to cap at end. Polished malleable iron ferrules. Plain hardwood grip. Wrought iron adjusting screw.

Nos.	Each	Length, Inches	Jaws Open, Inches	Weight Per Doz., Lbs.	Std. List, Per Doz.
TB 86	\$0.65	6	1 1/8	9	\$10.00
TB 88	.79	8	1 1/4	14	12.00
TB 810	.89	10	1 5/8	21	14.00
TB 812	1.19	12	1 3/4	28	18.00
TB 815	1.49	15	2 1/4	41	24.00

One-half dozen in a package.



ADJUSTABLE "S"

Westcott pattern

"S" shaped for places hard to reach. Polished and hardened steel jaws. Japanned finish handle.

Knurled adjusting nut. Sliding jaw works on grooved surface in hollow part of head.

Nos.	Each	Length, Inches	Extreme Width of Openings, Inches	Wt. Per Doz., Lbs.
TB 488	\$0.89	8	1	13
TB 4810	1.10	10	1 3/8	23

One-half dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

ANGLE WRENCHES

KEEN KUTTER

Chrome-plated Alloy Steel—Thinner and Stronger
Designed to Provide Perfect Balance

- Patterned by mechanics for mechanics—extra thin jaws will get into places inaccessible with an ordinary wrench.

The full deep throat straight all the way back to the frame gives a greater bearing and a better bite on either square or hex nuts, which means they are much less apt to slip and will prevent what mechanics popularly call "Knuckle Busting."

The wide bearing movable jaw rests on the frame, gives greater support in any position, but particularly at the full opening of the wrench, eliminating spring and unnecessary strain on the movable jaw.

The handle is widest at the end to fit the hand in its natural grasping position, and gives perfect balance to the wrench under pressure.

Movable jaws and frame drop forged alloy steel. Smooth-operating knurled adjusting nut.



Assortment of 12 Angle wrenches mounted on an attractive red enameled wood display easel.

Assortment Includes:

Each	Price
2 No. TB K4AW—4 inches.....	\$0.89
3 No. TB K6AW—6 inches.....	.89
3 No. TB K8AW—8 inches.....	1.10
2 No. TB K10AW—10 inches.....	1.39
2 No. TB K12AW—12 inches.....	1.95

Per Assortment

TB K412AW—Weight per assortment
11 lbs.

One assortment in a carton.

OPEN STOCK



Nos.	Each	Length, Inches	Capacity, Inches	Wt. Per Doz., Lbs.
TB K4AW	\$0.89	4	5/8	1 1/4
TB K6AW	.89	6	3/4	3 3/4
TB K8AW	1.10	8	1 1/8	7 1/4
TB K10AW	1.39	10	1 1/2	12 1/4
TB K12AW	1.95	12	1 7/8	19 1/4

One in a carton.

Note: We will not carry in stock extra parts for these wrenches, but we will guarantee to replace free of charge any broken parts that have not been broken by use of a hammer.



SIMMONS LEADER

Good Quality at a Low Price

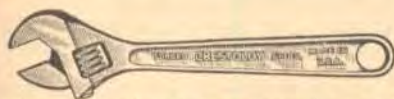
- Easily adjusted with free-action

knurled screw. Special forged steel. Jaws and frame polished. Cadmium finish handle.

Nos.	Each	Length, Inches	Capacity, Inches	Wt. Each, Lbs.	Std. List, Each
TB SF1	\$0.44	6	3/4	3/8	\$0.44
TB SF2	.66	8	1 1/8	5/8	.66
TB SF3	.88	10	1 1/4	1 1/4	.88
TB SF4	1.09	12	1 5/8	2	1.09

One in a cardboard box. Six in a carton.

CRESCENT ANGLE WRENCHES



CRESCENT CRESTOLOY ADJUSTABLE

Chromium-Plated

Entirely made of "Crestoloy," a steel that is hard, strong and tough. Stands strain of over twice that required to break a regular steel Crescent wrench—yet it is one-third thinner, much lighter, easier to handle and has wider range of usefulness. Can be used in places where regular type wrench will not work. Forged "Crestoloy" steel handle and jaws; knurled edge adjusting nut.

Nos.	Each	Length, Inches	Cap., Inches	Thick- ness of Head, Inches	Wt. Per Doz., Lbs.
TY AC16	\$0.79	6	3/4	1 1/8	3 3/4
TY AC18	.98	8	1 1/8	1 1/8	6
TY AC110	1.19	10	1 1/2	1 3/8	10
TY AC112	1.69	12	1 5/8	2 1/32	18

One in a carton.

Assortment Consists of 9 Wrenches:

3—TY AC16 — 6-inch.....	Each	\$0.79
3—TY AC18 — 8-inch.....	Each	.98
3—TY AC110—10-inch.....	Each	1.19

TB DB16—Weight per assortment 6 lbs.

One each mounted on display card. One assortment in a carton.

CRESCENT—ADJUSTABLE

Handle and stationary jaws drop forged from one-piece high-grade tool steel. High-grade tool steel movable jaw adjusted by knurled adjusting nut.



Polished jaws and frame. Black oil finished handle with polished raised edges.

Nos.	Each	Length, Inches	Cap., Inches	Wt. Per Doz., Lbs.	Std. List Per Doz.
TY A14	\$0.59	4	1/2	2	\$ 7.80
TY A16	.59	6	3/4	4	7.80
TY A18	.75	2	1 1/8	7	9.60
TY A110	.95	10	1 1/2	13	12.00
TY A112	1.39	12	1 3/4	24	18.00
TY A115	2.19	15	1 7/8	52	27.00



Double End

Polished throughout except web in handle, which is black oil finish.

TB B1810—Length 10 inches. Capacity 1 1/8 and 1 1/2 inches. Weight per dozen 14 1/2 lbs.

List Per Dozen \$18.00 Each \$1.59

One-twelfth dozen in a cardboard box.

WRENCH PARTS ASSORTMENTS

FOR CRESCENT WRENCHES



Contains jaws, thumb nuts, pins and springs having largest sales volume. Enables dealer to give customers prompt service; saves time and effort in ordering parts singly as needed.

Contains the Following:

For Wrenches, Nos.....	TY A14	TY A16	TY A18	TY A110	TY A112
Jaws—Quantity	2	5	4	2	1
Each	\$0.25	\$0.25	\$0.35	\$0.45	\$0.65
Thumb Nuts—Quantity..	2	3	4	2	1
Each .....	.10	.10	.15	.25	.35
Pins—Quantity.....	2	3	3	2	1
Each.....	.05	.05	.05	.05	.10
Springs—Quantity	2	3	3	3	2
Each.....	.05	.05	.05	.05	.05

TZ CA50—Weight per assortment 2 1/2 lbs.

One assortment in a carton 4 1/4 x 6 1/4 x 1 1/2 inches.

Modernize Your Living Room with

SIMMONS FURNITURE

Highest Quality Materials and Work- manship Assure Years of Continuous Comfort,

New Modern Styling and Fabrics Will Make Your Home Most Attractive

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

ENGINEERS' WRENCHES



KEEN KUTTER
15° ANGLE—DOUBLE
END

• You can do better, faster work with this handy tool! Openings are expertly ground to proper shape and are correctly milled to fit nuts exactly.

Drop forged from highest grade tool steel for heavy duty and long life. Case hardened black enameled body. Bright heads and milled openings. Heads or jaws are correct thickness for strength and easy handling.

Nos.	Each	Length Over All, Inches	Size of Openings, Inches	For Nuts, Inches	Wt. Per Doz., Lbs.
TB K23	\$0.29	4	$\frac{11}{16}, \frac{1}{2}$	$\frac{5}{16}, \frac{1}{4}$	2
TB K25	.30	4 $\frac{7}{8}$	$\frac{1}{2}, \frac{11}{16}$	$\frac{3}{4}, \frac{5}{16}$	2 $\frac{1}{2}$
TB K27	.37	5 $\frac{7}{8}$	$\frac{11}{16}, \frac{1}{2}$	$\frac{5}{8}, \frac{3}{8}$	4
TB K29	.45	6 $\frac{7}{8}$	$\frac{11}{16}, \frac{1}{2}$	$\frac{3}{4}, \frac{5}{16}$	5 $\frac{1}{2}$
TB K31	.55	7 $\frac{3}{4}$	$\frac{11}{16}, \frac{1}{2}$	$\frac{7}{8}, \frac{1}{2}$	7 $\frac{1}{2}$
TB K33	.59	8 $\frac{3}{4}$	$\frac{7}{8}, \frac{11}{16}$	$\frac{1}{2}, \frac{5}{16}$	11
TB K34	.75	9 $\frac{3}{4}$	$\frac{7}{8}, 1\frac{1}{16}$	$\frac{1}{2}, \frac{5}{16}$	15

One-half dozen in a carton.



VLCEK PARABOLIC
15° ANGLE—DOUBLE
END

Drop forged carbon steel, semi-finished.

Parabolic (or pear-shaped) heads. Heads or jaws are proper thickness for strength and advantages of narrow conical head.

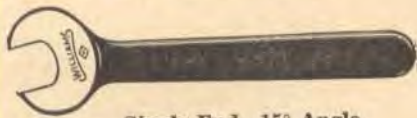
Nos.	Each	Length, Inches	Openings, Inches	U.S.S. & S.A.E. Hex. Head Cap Screws, Size, In.	Wt. Doz., Lbs.
TB V21	\$0.23	3 $\frac{1}{2}$	$\frac{1}{16}, \frac{11}{16}$	$\frac{1}{8}, \frac{3}{16}$	1 $\frac{1}{2}$
TB V23	.25	4	$\frac{11}{16}, \frac{1}{2}$	$\frac{5}{16}, \frac{1}{4}$	2
TB V25	.29	4 $\frac{7}{8}$	$\frac{1}{2}, \frac{11}{16}$	$\frac{3}{4}, \frac{5}{16}$	2 $\frac{1}{2}$
TB V27	.35	5 $\frac{7}{8}$	$\frac{11}{16}, \frac{1}{2}$	$\frac{5}{8}, \frac{3}{8}$	4
TB V29	.40	6 $\frac{7}{8}$	$\frac{11}{16}, \frac{1}{2}$	$\frac{3}{4}, \frac{5}{16}$	5 $\frac{1}{2}$
TB V31	.47	7 $\frac{7}{8}$	$\frac{11}{16}, \frac{7}{8}$	$\frac{7}{8}, \frac{1}{2}$	7 $\frac{1}{2}$
TB V33	.55	8 $\frac{3}{4}$	$\frac{7}{8}, \frac{11}{16}$	$\frac{1}{2}, \frac{5}{16}$	11
TB V34	.69	9 $\frac{3}{4}$	$\frac{7}{8}, 1\frac{1}{16}$	$\frac{1}{2}, \frac{5}{16}$	11

Packing—bulk.

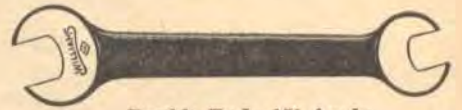
J. H. WILLIAMS AND CO.'S FINISHED WRENCHES

- Drop forged from high-grade carbon steel, case hardened.
- Surface and edges smoothed.

- Openings milled to fit nuts correctly. Sizes stamped on head.
- Baked-on black enamel finish and bright heads.



Single End—15° Angle



Double End—15° Angle

Nos.	Each	Milled Openings, In.	Extreme Length Approx., In.	Approx. Thickness Head, In.	For U. S. Std. Nuts (Size Bolts, In.)	For Hex. Head Cap Screws (Diam. In.)	For S.A.E. Std. Nut and Cap Screws (Size Bolts, In.)	For Amer. Std. Nuts (Reg.) and Find. Bolts, In.	Weight Each, Lbs.	Std. List, Each
SINGLE END—15° ANGLE										
TB 701	\$0.29	$\frac{7}{16}$	4 $\frac{5}{8}$	$\frac{5}{16}$	---	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	.13	\$0.36
TB 1	.29	$\frac{1}{2}$	4 $\frac{5}{8}$	$\frac{5}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	---	---	.13	.36
TB 702	.35	$\frac{5}{16}$	5 $\frac{1}{2}$	$\frac{5}{16}$	---	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	.21	.44
TB 703	.45	$\frac{5}{8}$	6 $\frac{3}{8}$	$\frac{11}{16}$	---	$\frac{7}{16}$	$\frac{7}{16}$	$\frac{3}{8}$	.32	.52
TB 704	.55	$\frac{3}{4}$	7 $\frac{1}{4}$	$\frac{3}{8}$	---	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{7}{16}$	.44	.64
TB 705	.65	$\frac{11}{16}$	8 $\frac{1}{8}$	$\frac{1}{2}$	---	$\frac{5}{16}$	---	$\frac{1}{2}$	.65	.76
TB 5	.65	$\frac{7}{8}$	8 $\frac{1}{8}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{7}{8}$	.65	.76
TB 706	.75	1	9 $\frac{1}{4}$	$\frac{1}{2}$	---	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{7}{8}$	.92	.92

DOUBLE END—15° ANGLE

TB 21	.29	$\frac{5}{16}, \frac{11}{16}$	4	$\frac{1}{4}$	$\frac{1}{8}, \frac{5}{16}$	$\frac{1}{8}$	-----	-----	.08	.34
TB 723	.35	$\frac{3}{8}, \frac{7}{16}$	4 $\frac{1}{4}$	$\frac{5}{16}$	-----	$\frac{1}{16}, \frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	.11	.42
TB 23	.35	$\frac{11}{16}, \frac{1}{2}$	4 $\frac{5}{8}$	$\frac{5}{16}$	$\frac{1}{16}, \frac{1}{4}$	$\frac{1}{16}$	-----	-----	.15	.42
TB 725	.43	$\frac{7}{16}, \frac{1}{2}$	5	$\frac{5}{16}$	$\frac{1}{4}$	$\frac{1}{4}, \frac{5}{16}$	$\frac{1}{4}, \frac{5}{16}$	$\frac{1}{4}$	.18	.50
TB 725B	.43	$\frac{1}{2}, \frac{5}{16}$	5 $\frac{1}{2}$	$\frac{11}{16}$	$\frac{1}{4}$	$\frac{5}{16}, \frac{3}{8}$	$\frac{5}{16}, \frac{3}{8}$	$\frac{5}{16}$	.23	.50
TB 25	.43	$\frac{1}{2}, 1\frac{1}{16}$	5 $\frac{1}{2}$	$\frac{11}{16}$	$\frac{1}{4}, \frac{5}{16}$	$\frac{5}{16}$	-----	-----	.23	.50
TB 727	.50	$\frac{7}{16}, \frac{5}{8}$	6	$\frac{11}{16}$	-----	$\frac{3}{8}, \frac{7}{16}$	$\frac{3}{8}, \frac{7}{16}$	$\frac{5}{16}, \frac{3}{8}$	.30	.62
TB 27C	.50	$\frac{7}{16}, \frac{11}{16}$	6 $\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{5}{16}$	.34	.62
TB 27	.50	$\frac{11}{16}, \frac{11}{16}$	6 $\frac{1}{2}$	$\frac{3}{8}$	$\frac{5}{16}, \frac{3}{8}$	-----	-----	-----	.34	.62
TB 729	.59	$\frac{3}{8}, \frac{3}{4}$	7	$\frac{3}{8}$	-----	$\frac{7}{16}, \frac{1}{2}$	$\frac{7}{16}, \frac{1}{2}$	$\frac{3}{8}, \frac{7}{16}$	.40	.74
TB 28S	.59	$\frac{5}{8}, \frac{11}{16}$	7	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{7}{16}$	-----	-----	.40	.74
TB 29	.59	$\frac{11}{16}, \frac{11}{16}$	7 $\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{8}, \frac{7}{16}$	-----	-----	-----	.49	.74
TB 30	.75	$\frac{11}{16}, \frac{7}{8}$	8	$\frac{7}{16}$	$\frac{3}{8}, \frac{1}{2}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{7}{16}$	.61	.90
TB 731	.75	$\frac{3}{4}, \frac{11}{16}$	8 $\frac{3}{4}$	$\frac{11}{16}$	-----	$\frac{1}{4}, \frac{5}{16}$	$\frac{1}{2}$	$\frac{7}{16}, \frac{1}{2}$	.61	.90
TB 731A	.75	$\frac{3}{4}, \frac{7}{8}$	8 $\frac{3}{4}$	$\frac{11}{16}$	$\frac{1}{2}$	$\frac{1}{2}, \frac{5}{8}$	$\frac{1}{2}, \frac{5}{8}$	$\frac{7}{16}, \frac{5}{8}$	.76	.90
TB 31	.75	$\frac{11}{16}, \frac{7}{8}$	8 $\frac{3}{4}$	$\frac{11}{16}$	$\frac{7}{16}, \frac{1}{2}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{5}{16}$	.76	.90
TB 33	.90	$\frac{7}{8}, \frac{11}{16}$	9 $\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}, \frac{5}{16}$	$\frac{5}{8}$	$\frac{5}{8}$	$\frac{5}{16}$	1.03	1.10
TB 733	.90	$\frac{7}{8}, 1$	9 $\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{5}{8}, \frac{3}{4}$	$\frac{5}{8}, \frac{3}{4}$	$\frac{5}{16}, \frac{3}{8}$	1.03	1.10
TB 34A	1.15	$\frac{11}{16}, 1\frac{1}{16}$	10 $\frac{3}{4}$	$\frac{5}{8}$	-----	-----	-----	-----	-----	1.36
TB 37	1.45	$1\frac{1}{16}, 1\frac{1}{4}$	12	$\frac{11}{16}$	$\frac{5}{8}, \frac{3}{4}$	1	$\frac{3}{4}, \frac{7}{8}$	-----	2.28	1.92

Six in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

DOUBLE END WRENCHES

SIMMONS LEADER



"S" PATTERN

Forged steel, cadmium plated to resist rust. Polished heads.

Set of 5 wrenches—10 openings (no duplicates) ranging from $\frac{3}{8}$ to $\frac{7}{8}$ inch. Handy metal clip holds wrenches compact.

TB S5F04—Weight per set 2 $\frac{7}{8}$ lbs. Std. List Per Set \$0.99.....Per Set \$0.99

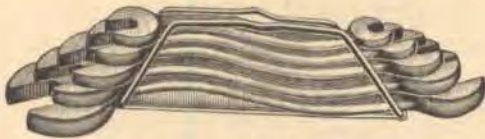


ENGINEERS' STRAIGHT PATTERN

Forged steel, cadmium plated to resist rust. Polished heads.

Set consists of 6 wrenches with 12 openings (no duplicates) from $\frac{5}{16}$ to $\frac{7}{8}$ inch. Handy metal clip holds wrenches compact.

TB S6F03—Weight per set 1 $\frac{7}{8}$ lbs. Std. List Per Set \$0.89.....Per Set \$0.89



STAR "S"—GENERAL SERVICE

Drop-forged steel, properly hardened and tempered, milled openings. Natural finish.

Set consists of 5 wrenches, with 10 openings (no duplicates) from $\frac{3}{8}$ to 1 inch, and handy permanent metal holder.

TB 2087—Weight per set 3 lbs.....Per Set \$0.98

Packing—bulk.

OFFSET BOX-END WRENCHES



LECTROLITE CORPORATION
DEFIANCE, OHIO

LECTROLITE

- Popular style. Light in weight but exceptionally strong.

- Chrome - vanadium steel with highly polished ends and smoothly finished oval handle.

- Double hexagon (12 point) openings are carefully broached and accurately machined.

Set of 6 wrenches, one each as listed below.

TB 3000—Weight per set 4 lbs.....Per Set \$2.15

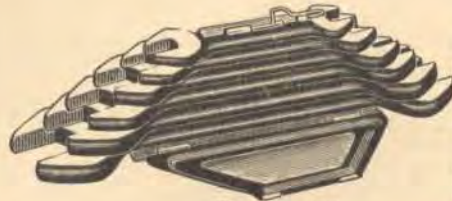
Each set in a canvas bag.

Nos.	Each	Size Opening, Inch	Length Over All, Inches	Weight Per Doz., Lbs.
TY 3001	\$0.23	$\frac{3}{8}$ and $\frac{7}{16}$	7	2 $\frac{1}{8}$
TY 3002	.27	$\frac{1}{2}$ and $\frac{9}{16}$	8	3 $\frac{5}{8}$
TB 3003	.33	$\frac{5}{8}$ and $\frac{11}{16}$	9	5 $\frac{1}{2}$
TB 3004	.37	$\frac{3}{4}$ and $\frac{13}{16}$	11	7 $\frac{3}{4}$
TB 3005	.45	$\frac{7}{8}$ and 1	13	9 $\frac{3}{4}$
TB 3006	.50	$1\frac{1}{8}$ and $1\frac{1}{4}$	14	13 $\frac{1}{4}$

Packing: 7 to 9 inches—one dozen in a package. Other numbers—one-half dozen in a package.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

VLCEK



No. TB 2153

Drop-forged new "Parabolic" carbon steel, milled openings. Tempered, natural finish. Each set securely held in all-metal, side-hinged positive locking container.

TB 2153—Set of 6 wrenches with 12 openings (no duplicates) from $\frac{3}{8}$ to 1 inch. Weight per set 2 $\frac{1}{2}$ lbs.Per Set \$0.89

TB X2163—Set of 5 wrenches with 10 openings (no duplicates), $\frac{5}{16}$ to $\frac{3}{4}$ inch. Weight per set 1 $\frac{1}{4}$ lbs.....Per Set \$0.49



FITZ-ALL

Narrow jaw permits work in closest corners... yet strength of round head is retained—jaws will not spread under severe strain.

Here's a high-grade set at a low price!

Drop-forged tempered steel, rust-proof cadmium

finish, milled openings.

Set consists of 6 wrenches with 12 openings from $\frac{5}{16}$ to $\frac{3}{4}$ inch (no duplicates), and convenient black enameled steel holder.

TB X2572—Weight per set 1 $\frac{1}{2}$ lbs.....Each Set \$0.69

Packing—bulk.

INDIVIDUAL WRENCHES

Following wrenches contained in set TY X2572.

Nos.	Each	Length, Inches	Opening, Inch	Weight Per Doz., Lbs.
TB X21	\$0.10	3 $\frac{3}{4}$	$\frac{5}{16}$ - $\frac{11}{16}$	$\frac{3}{4}$
TB X723	.12	4 $\frac{1}{8}$	$\frac{3}{8}$ - $\frac{7}{16}$	1 $\frac{1}{2}$
TB X725B	.15	5	$\frac{1}{2}$ - $\frac{9}{16}$	2 $\frac{1}{4}$
TB X27	.17	6	$\frac{11}{16}$ - $\frac{11}{16}$	3 $\frac{3}{4}$
TB X729	.20	7 $\frac{1}{8}$	$\frac{5}{8}$ - $\frac{3}{4}$	6 $\frac{3}{4}$
TB X31	.25	8	$\frac{11}{16}$ - $\frac{7}{8}$	7 $\frac{1}{2}$

One-half dozen in carton.

FLAT BOX-END WRENCHES

INDESTRUCTO

- Rust-proof.

Here's a handy set of light, strong and serviceable wrenches with double hexagon (12 point) openings from $\frac{3}{8}$ to 1 inch. High grade steel, hardened and tempered to stand severe strain. Rustproof cadmium finish.

Set held together with bolt and wing nut and is very compact—easy to carry or store.

Specifications

Length, Inches	Openings, Inch	Length, Inches	Openings, Inch
5	$\frac{3}{8}$, $\frac{7}{16}$	6 $\frac{1}{2}$	$\frac{3}{4}$, $\frac{11}{16}$
5 $\frac{1}{2}$	$\frac{1}{2}$, $\frac{9}{16}$	7	$\frac{11}{16}$, $\frac{3}{4}$
6	$\frac{5}{8}$, $\frac{11}{16}$	7 $\frac{1}{2}$	$\frac{11}{16}$, 1

Set of 6 wrenches, one each as listed above.

TB 147—Weight per set 1 $\frac{1}{4}$ lbs.....Each Set \$0.49

Packing—bulk.

SOCKET WRENCHES

- Will fit securely on nuts and cap screws of automobile cylinder head, crank case, connecting rod, rear axle housing, demountable rims and many other parts most often removed.



DOUBLE HEX (12-POINT) SOCKETS

Extra deep, thin-wall sockets reach into places usually inaccessible to ordinary type sockets.

Wrench, handle, adapter and sockets high grade steel, heat treated—rust-proof cadmium finish.

Set consists of:

One wrought steel reversible ratchet socket wrench handle 8 inches long.

One 1/2-inch hexagon adapter with friction ball at each end to hold sockets.

One 1/2-inch hexagon "L" handle 9 inches long, with friction ball at each end to hold sockets.

Eight round sockets with double hex (12-point) openings—1 each 1/16, 1/8, 3/16, 1/4, 5/16, 3/8, 7/8 and 1 1/8 inch, carefully broached.

Each set in heavy steel red-enameled case 8 1/4 inches long, 1 7/8 inches wide. Sockets locked in case by handle.

TB 8001—Weight per set 2 1/2 lbs. Each Set \$1.19

Packing—bulk.

SOCKET WRENCHES

Hexagon "L" handle and sockets are high grade heat-treated steel, rust-proof cadmium finish. Hexagon "L" handle has friction ball at each end to hold sockets. Sockets carefully broached.



DOUBLE HEX (12-POINT) SOCKETS

Consists of one 1/2-inch hexagon "L" handle 7 3/4 inches

long, and six round sockets—one each 1/2, 5/8, 3/4, 7/8, 1, and 1 1/8 inch.

Each set in a red-enameled steel case 6 1/2 inches long, 1 3/8 inches wide. Sockets locked in case by handle.

TB 1001—Weight per set 1 3/4 lbs. Each Set \$0.59

HEXAGON SOCKETS

Consists of one 1/2-inch hexagon "L" handle 7 1/2 inches long, and 6 round sockets—1 each 1/2, 5/8, 3/4, 7/8, 1, and 1 1/8 inch.

Each set in a heavy steel red-enameled hinged case 7 3/8 inches long, 2 inches wide.

TB 3—Weight per set 2 1/4 lbs. Each Set \$0.67

Packing—bulk.

**BETTER TOOLS
for
BETTER WORK
means
KEEN KUTTER**

WRENCH SETS



COMBINATION OPEN END AND 12-POINT OPENING

- Made according to S. A. E. specifications. Set will fit practically every nut on an automobile. Very thin, extra-strong heads are convenient to use in narrow spaces. Handy for general purposes.

Vanadium alloy steel, cadmium plated, with polished and buffed ends, 12-point openings are cleanly and correctly broached, assuring firm positive grip. Thin, open-end heads accurately machined.

Wrenches held together with strong, machined bolt and nut—easily, quickly taken apart and assembled.

Length, Inches	12-Point Opening	Open End
4	7/16	7/8
4 1/2	1/2	1 1/8
5	1/2	1 1/8
6	5/8	5/8
6 1/2	5/8	3/4
7 1/2	3/4	7/8

TB 100—Set of 6 wrenches, one each as above.

Weight per set 1 lb. Per Set \$0.89

One set in a carton.

PIPE CUTTERS



BARNES TYPE—3-WHEEL PATTERN

Designed especially for work where cutter cannot be revolved entirely around pipe.

Cutters are in permanent alignment and cannot wobble.

Hardened and polished steel frame and movable block. Forged tool steel smooth-edge, knife-blade cutter wheels. Polished steel adjusting rod with machined threads. Japanned cast-iron handle.

Nos.	Each	Length Over		Weight Each, Lbs.
		Cuts Pipe, Inches	All, Closed, Inches	
TB 1B	\$4.35	1/8 to 1	13	3
TB 2B	4.95	1/2 to 2	16	4 1/4

Packing—bulk.

EXTRA CUTTER WHEELS FOR BARNES' PATTERN PIPE CUTTERS

Nos.	Each	Diameter, Weight Per	
		Inches	Doz., Lbs.
TB BW1	\$0.45	1	1 1/2
TB BW2	.70	1 1/8	1 1/2

One dozen in a carton.



RIDGID

Frame or housing unconditionally guaranteed against breakage or distortion and

will be replaced without charge.

Reinforced tempered tool steel frame will not break or warp. Tool steel movable block with hardened rollers. New, thin super-steel blade with solid hub. Cuts quickly and easily and practically without burr. Heavy steel adjusting rod with metal cross handle.

Nos.	Each	Cuts Pipe, Inches	Length, Inches	Wt., Lbs.	Std. List, Each
TB R2	5.45	1/2 to 2	16 1/4	6	6.00
TB R3*	8.95	1 to 3	20 1/4	12 1/2	10.00

Packing—bulk.

* Included with TB R3 is an extra 15-inch length of threaded pipe with round end which can be inserted in end of frame when extra leverage is necessary for cutting large pipe.

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PIPE WRENCHES

KEEN KUTTER—STILLSON PATTERN

Teeth grip firmly—won't slip or crush!

- Highest grade drop forged tool steel means mightier performance, more years of reliable service.
- Milled hardened jaws grip pipe securely. Frame fastened to handle with steel pin—can't come loose. Easy-action knurled steel adjusting nut.
- Double springs brace jaws for quick bite. Full polished. Yellow enameled adjusting nut and handle tip.



firmly secured by steel nut at end.

E BONIZED HARDWOOD HANDLE with heavy steel ferrule. Shank extends through handle and is

Nos.	Each	Length, Inches	Adjustable for Pipe, Inches	Wt. Each, Lbs.
TB KSPW6	\$0.59	6	1/8 to 1/2	1/4
TB KSPW8	.75	8	1/8 to 3/4	1/2
TB KSPW10	.95	10	1/8 to 1	1 1/2
TB KSPW14	1.35	14	1/4 to 1 1/2	2 1/2

Six in a carton.



STEEL HANDLE

Nos.	Each	Length, Inches	Adjustable for Pipe, Inches	Wt. Each, Lbs.
TB KSPS14	\$1.15	14	1/4 to 1 1/2	2 1/2
TB KSPS18	1.69	18	1/4 to 2	4 1/2
TB KSPS24	2.98	24	1/4 to 2 1/2	7 1/2
TB KSPS36	5.95	36	1/2 to 3 1/2	15

Packing: 14 and 18-inch—six in a carton; 24-inch—six in a wood case; 36-inch—burlapped.



SIMMONS LEADER

Good quality at a low price.

STEEL HANDLE

- Milled jaws provide positive grip. High-grade material and workmanship assure long performance.
- Drop forged steel jaws and handle. Polished steel frame. Smooth-working knurled adjusting nut.

Nos.	Each	Lgth., Inches	Adjustable For Pipe, Inches	Wt. Per Carton, Lbs.	Std. List, Each
TB SR10	\$0.59	8	1/8 to 3/4	4 1/2	\$0.59
TB SR1	.69	10	1/8 to 1	8 5/8	.69
TB SR2	.99	14	1/4 to 1 1/2	16 1/4	.99
TB SR3	1.39	18	1/4 to 2	17 1/2	1.39
TB SR4	2.19	24	1/4 to 2 1/2	24	2.19

Packing 8 to 14-inch—six in a carton; 18 and 24-inch—four in a carton.

PIPE AND FITTING TONGS

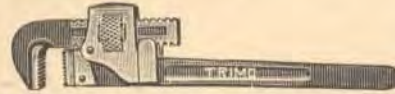


WILLIAMS' VULCAN SUPERIOR FLAT CHAIN PATTERN

Two Tools in One!

A universal service tong with reversible, double-service pipe and fittings jaws. When one set of teeth wears, simply unscrew bolt and turn jaws end for end. The

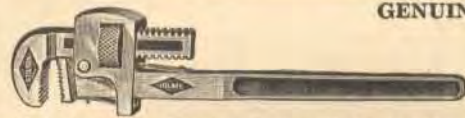
TRIMO-ALLOY



Forged Trimo-Alloy steel handle and jaws. Pressed steel frame and nut guards. Polished and hardened jaw, frame and inserted jaw. Knurled, smooth-working nut. Japanned handle. Inserted jaw and frame fastened to handle by movable steel pin.

Nos.	Each	Length Open, Inches	Adjustable for Pipe, Inches	Wt. Each, Lbs.	Std. List, Each
TB T6	\$0.89	6	1/8 to 1/2	1/2	\$1.90
TB T8	.98	8	1/8 to 3/4	3/4	2.20
TB T10	1.29	10	1/8 to 1	2	2.85
TB T12	1.45	12	1/8 to 1 1/4	2 1/2	3.35
TB T14	1.65	14	1/4 to 1 1/2	3	3.85
TB T18	2.35	18	1/4 to 2	5	5.50
TB T24	4.25	24	1/4 to 2 1/2	8	9.50
TB T36	8.75	36	1/2 to 3 1/2	16	20.00

Packing: 6 to 24-inch—six in a carton; 36-inch—bulk.



GENUINE STILLSON

Drop forged tool steel. Bar and jaws heat-treated and oil tempered. Frame fastened to jaw by movable steel pin. Jaw adjusted by steel nut. Frame and shank polished. Double springs. Red lacquered steel handle.

Nos.	Each	Length Open, Inches	Adjustable for Pipe, Inches	Wt. Each, Lbs.	Std. List, Each
TB GSPS8	\$0.79	8	1/8 to 3/4	1/2	\$2.20
TB GSPS10	1.10	10	1/8 to 1	1 1/2	2.85
TB GSPS14	1.45	14	1/4 to 1 1/2	2 1/2	3.85
TB GSPS18	2.00	18	1/4 to 2	4 1/2	5.50
TB GSPS24	3.49	24	1/4 to 2 1/2	7 1/2	9.50
TB GSPS36	7.45	36	1/2 to 3 1/2	15	20.00
TB GSPS48	10.75	48	1 to 5	24	30.00

Packing: 8 to 24-inch—six in a wood case; 36 and 48-inch—bulk.



RIDGID

- Housing unconditionally guaranteed by the maker against breakage or distortion and will be replaced without charge.
- Cast-in pipe scale on hook jaw for setting wrench to various pipe sizes.

Solid one-piece special forged steel housing and handle. Alloy steel hook jaw, hardened throughout. Removable rear jaw. Knurled steel free-action adjusting nut. Black enameled with polished jaws.

Nos.	Each	Length Open, Inches	For Pipe, Inches	Wt. Each, Lbs.	Std. List, Each
TB R6	\$0.79	6	1/8 to 1/2	1/2	\$1.90
TB R8	.98	8	1/8 to 3/4	3/4	2.20
TB R10	1.19	10	1/8 to 1	1 3/4	2.85
TB R14	1.65	14	1/4 to 1 1/2	3 1/4	3.85
TB R18	2.35	18	1/4 to 2	5	5.50
TB R24	3.59	24	1/4 to 2 1/2	8 1/4	8.50
TB R36	7.95	36	1/4 to 3 1/2	16 1/4	20.00

One-half dozen in a carton.

V recess in jaws assures quick and positive grip on fittings. All parts interchangeable. Fully guaranteed. Drop forged tool steel. Natural finish handle. Red-enameled jaws. Flat link steel chain . . . proof-tested and certified.

TB 13V—For pipe 1/4 to 4 inches. Length over all 37 inches. Chain 22 1/2 inches long. Average breaking strain of chain, 12,500 lbs. Weight each 17 lbs. Each \$10.95

Packing—bulk.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

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STOCKS AND DIES

REED—RIGHT HAND—STANDARD THREADS

- Highest quality polished tool steel dies with double-threaded throat—starts threading easily and without any pushing effort . . . makes entire cutting operation quick and accurate.



Adjustable Dies Complete With Dies

- Wing screws for holding dies enable you to change dies quickly and easily.

Nos.	Per Set	Lgth., Ins.	Pairs, Dies	Size, Inches	Wt. Per Set, Lbs.	Std. List, Per Set
TB 2A	\$12.00	35	5	1/4, 3/8, 1/2, 3/4, 1	11 1/2	\$12.00
TB 2 1/2 A	14.00	37 1/2	4	1/2, 3/4, 1, 1 1/2	13	14.00

One set in a fibre box.

ADJUSTABLE PIPE DIES

SINGLE END PATTERN

- Polished tool steel.

Nos.	Each	Cutting Size, Inches	Weight Per Pair, Ozs.
For No. TB 1A Stocks			
#TB 1A 1/8	\$1.65	3/8	3
#TB 1A 1/4	1.65	1/2	3
#TB 1A 3/8	1.65	3/4	3
#TB 1A 1/2	1.65	1	3
For No. TB 2A Stocks			
#TB 2A 1/4	2.10	3/4	11
#TB 2A 3/8	2.10	1	11
#TB 2A 1/2	2.10	1 1/2	11 1/2
#TB 2A 3/4	2.10	2	11 1/2
#TB 2A 1	2.10	2 1/2	11 1/2
For No. TB 2 1/2 A Stocks			
#TB 2 1/2 A 1/2	2.65	1	11
#TB 2 1/2 A 3/4	2.65	1 1/4	11
#TB 2 1/2 A 1	2.65	1 1/2	11 1/2
#TB 2 1/2 A 1 1/4	2.65	1 3/4	12
For No. TB 3A Stocks			
#TB 3A 1/4	4.75	1 1/4	37
#TB 3A 1/2	4.75	1 3/4	35
#TB 3A 2	4.75	2	33
For No. TB 3C Stocks			
#TB 3C 1/4	4.75	3/4	40
#TB 3C 1	4.75	1	38
#TB 3C 1 1/4	4.75	1 1/4	35
#TB 3C 1 1/2	4.75	1 3/4	34
#TB 3C 2	4.75	2	33

Packing—bulk.

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

- Malleable iron frame, with quick-action clamps, black japanned. Seamless tubular steel detachable arms with rounded ends. Each bushing or ring guide carefully machined to exact size inside and outside . . . marked with pipe size and size of stock it fits.



Solid Dies Complete With Dies

Nos.	Per Set	Length, Inches	Fitted With Dies to Cut Pipe, Inches	Weight Each, Lbs.	Std. List, Per Set
TB 1	\$10.50	35	1/4 to 1	14	\$10.50
TB 1 1/2	9.50	43	3/8 to 1 1/4	17	9.50
TB 2	14.50	51	1/4 to 2	27	14.50

One in a wood box.

SOLID PIPE DIES

REED

For Standard Pipe Stocks

In ordering, always specify whether right or left hand dies are wanted.

Right Hand

- Made of electrically heat-treated, carefully tempered, high quality alloy tool steel for longer duty. Double-threaded-throat, a patented improvement causing die to start threading easily without any pushing effort and contributing materially to ease the whole threading operation.

Dies for No. TB 0 Stocks

Size, inches 1/8, 1/4, 3/8, 1/2; 2 inches square.

Weight each 1/2 lb. Std. List, Each \$1.40.....Each \$1.40

Dies for No. TB 1 Stocks

Size, inches 1/8, 1/4, 3/8, 1/2, 3/4, 1; 2 1/2 inches square.

Weight each 1 lb. Std. List, Each, \$1.60Each \$1.60

Dies for No. TB 1 1/2 Stocks

Size, inches 1/2, 3/4, 1, 1 1/4; 3 inches square.

Weight each 1 1/2 lbs. Std. List, Each \$2.00.....Each \$2.00

Dies for No. TB 2 Stocks

Size, inches 3/4, 1, 1 1/4, 1 1/2, 2; 4 inches square.

Weight each 2 3/4 lbs. Std. List, Each \$2.50.....Each \$2.50

#Left Hand. For standard stocks, same sizes but with list prices double those of right hand.

Packing—bulk.

**A New
KEEN KOOKER
Cast Iron Range
will give you
BETTER
FASTER COOKING**

HART'S DUPLEX DIE STOCKS

For Threading Pipe



- Saves time and effort—no wrench thumb screw or collets to bother with.

- Complete in itself.

Fitted with adjustable dies and guide or centering jaws. Dies set to size accurately by simply using your hand. Dies held in position by positive lock—no frictional clamps, screws or nuts. Re-

leasing of dies at end of cut accomplished instantly—avoids turning back over threads.

Dies—The dies are of the chaser form which is the most readily adjusted and sharpened. They do their work while held stationary. Their quick adjustment enables the operator to at once alter the size of the threads, so as to suit any variation in the pipe fittings.

Guide Jaws—These center the pipe accurately to the dies; they are adjusted simultaneously to all sizes of pipe. The mechanism for accomplishing it is self-locking, and its adjustment cannot be accidentally disturbed.

Cutting-off Device—This, as has been customary, is also furnished in the equipment of the tools, unless its omission be specified. It cuts the pipe squarely and cleanly.

COMPLETE WITH DIES

Length 60 inches. For 2½, 3, 3½ and 4-inch pipe.

#TY 45—Without Cut-offEach \$59.75

#TY 45W—With Cut-offEach 64.75

Weight each 55 lbs.
One in a wood box.

#EXTRA DIES FOR HART'S DUPLEX DIE STOCKS

- Tempered tool steel.

COMPLETE SETS

#TY 1—Composed of single sets of 4 pieces each: 1 set each (½), (¾), (1), and (1½). Weight each 1½ lbs.....Each Set \$10.95

#TY 2—Composed of 3 single sets of 4 pieces each: 1 set each (¾), (1), (1½), and (2). Weight each 2½ lbs.....Each Set 11.75

#TY 3—Composed of 2 single sets of 4 pieces each: 1 set each (1, 1½), and (2). Weight each 2 lbs.....Each Set 10.50

#TY 3½—Composed of 3 single sets of 4 pieces each: 1 set each (1½, 2), (2, 2½), and (2½, 3). Weight each 3 lbs.....Each Set 13.50

#TY 4—Composed of 2 single sets of 4 pieces each: 1 set each (1½, 2) and (2½, 3). Weight each 3½ lbs.....Each Set 15.85

#TY 5—Composed of 2 single sets of 4 pieces each: 1 set each (2½, 3) and (3½, 4). Weight each 4½ lbs.....Each Set 19.75

In ordering always specify whether Right or Left Hand dies are wanted.

One set in a wood box.

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

ADJUSTABLE DIES



GREENFIELD

- Ruggedly constructed of carbon steel to insure many years of dependable service.

LITTLE GIANT Fractional Sizes

U. S. S. Standard thread (American National Coarse). Will fit collets 2¼ inches in diameter.

Nos.	Each	Cutting Size, Inches	Threads Per Inch	Std. List, Each
TB LG ¼	\$1.45	¼	20	\$1.00
TB LG ⅜	1.45	⅜	18	1.00
TB LG ½	1.85	½	16	1.25
TB LG ⅞	1.85	⅞	14	1.25
TB LG 1½	2.25	1½	13	1.50
TB LG 1⅞	2.25	1⅞	12	1.50
TB LG 2	2.50	2	11	1.75
TB LG 2½	3.00	2½	10	2.00
TB LG 3	4.25	3	9	2.75
TB LG 1	4.25	1	8	2.75

One dozen in a carton; weight each: ¼ inch, 1½ ounces; ⅜ inch, 1½ ounces; ½ inch, 3 ounces; 1 inch, 5 ounces.

TAPER PIPE TAPS

GREENFIELD



AMERICAN STANDARD REGULAR THREAD CARBON STEEL

Nos.	Each	Nominal Size, Inch	Threads to Inch	Length Over All, Inches	Std. List, Each
TB 320 ⅛	\$0.60	⅛	27	4 2½	1.00
TB 320 ¼	.75	¼	18	4 2½	1.20
TB 320 ⅜	.95	⅜	18	4 2½	1.60
TB 320 ½	1.20	½	14	4 3½	2.00
TB 320 ¾	1.70	¾	14	5 3¼	2.80
TB 320 1	2.65	1	11½	5 3¼	4.40
TB 320 1¼	3.75	1¼	11½	5 4	5.00
TB 320 1½	4.95	1½	11½	6 4¼	6.60
TB 320 2	7.50	2	11½	6 4½	10.00

½ inch to ½ inch, one dozen; ¾ inch and 1 inch, one-half dozen in a carton; 1¼ to 2 inches, bulk. Weight each: ⅛ inch, 1 ounce; ¼ inch, 3½ ounces; ½ inch, 8 ounces; 1¼ inches, 1¾ lbs.; 2 inches, 3 lbs.

KEEN KUTTER

Is the Symbol of

FINE QUALITY

in

TOOLS and CUTLERY

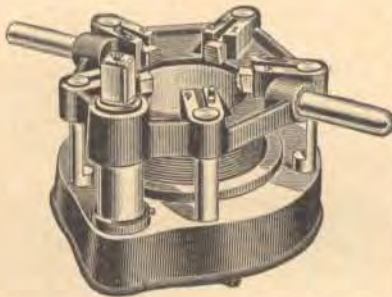
TOLEDO PIPE THREADING TOOLS

Threads Iron Pipe Quickly, Accurately—Insures Tight Joints

Receding Die Principle—Instantly Adjusted for Over, Under or Standard Threads!

Makes pipe threading so easy even a boy can operate the tool. No cams to wear out. Changing of dies from one size to another is made quickly and easily by slipping die into proper series of tapered steps.

- Ruggedly constructed . . . made of iron and steel . . . designed for many years of hard, exacting service.



Geared Adjustable

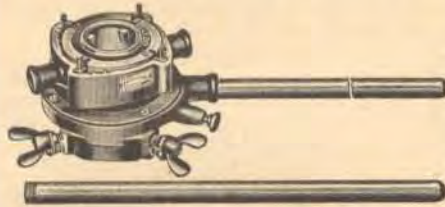
This model has established a reputation of being the most practical, most durable, most easily operated pipe threader in use today. Weighs only 57 lbs., nearly 30 lbs. lighter than similar tools.

Complete tool consists of body, full set of 2 1/4 to 4-inch

right hand dies and bushings, set screw and ratchet handle. Four dies—each 2 1/4, 3, 3 1/2 and 4 inches.

TY 2—For 2 1/4 to 4-inch pipe. Weight each 57 lbs. Std. List, Each \$50.00 Each \$62.75

One in a wood box.



Adjustable Ratchet

Entirely self-contained—has no loose parts. Designed for operator who wants one set of dies to thread several sizes of pipe.

Exceedingly desirable for oil field work. Dies made from high speed steel, easily reground when dull.

No bushings needed with three-jaw pipe holder. Large wing-head thumb screws with micrometer line guide bars make it easy to center tool. The three broad-faced chuck jaws hold tool rigidly to pipe, assuring clean-cut threads. Black enameled body.

Adjustable die cutting sizes 1, 1 1/4, 1 1/2 and 2 inches. Each handle 18 3/8 inches long, 1 inch in diameter. Length over all 28 inches.

TY 10BR—For 1 to 2-inch pipe. Weight each 29 lbs. Std. List, Each \$15.00 Each \$19.00

One set in a carton.

EXTRA DIES FOR TOLEDO THREADING TOOLS

For No. TY 10BR

TY 10BRD—Adjustable for 1, 1 1/4, 1 1/2 and 2-inch iron pipe. Weight each 3/4 lb.

Std. List, Each \$2.75 Each \$3.45

Packing—bulk.

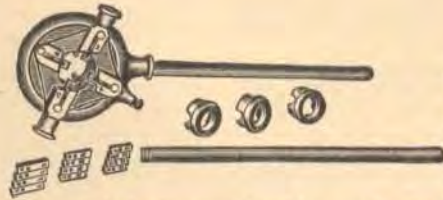
Polly Prim

ENAMELWARE

Is Long Wearing, Easy to Clean and Attractive

Die head holding die segments is surrounded by step case having four steps against which dies rest. When threading pipe, dies move down these steps, gradually receding to produce perfectly true long tapered threads.

- Steel handles, polished. Right hand dies.



Adjustable Ratchet

Here's the easiest operating 1 to 2-inch pipe threader made! Equipped with ratchet that makes it easy to thread pipe

in restricted places. May be used with two handles as ordinary die stock. Black enameled body. Can also be furnished (reversed in all parts) for cutting left hand threads—neither tool will do both.

Consists of three sets of dies and bushings—1 each 1, 1 1/4 and 1 1/2 inches. Each handle 18 3/8 inches long. Length over all 30 inches.

TY 1A—For 1 to 2-inch pipe. Weight each 24 lbs. Std. List, Each \$11.25 Each \$14.25



"Three-Way"

Easiest to operate of any tool of its type! Perfectly balanced because handles project from either side

of baseball-size body, each die head being "on center." Patented design tool body permits use of segmented dies possessing "Toledo" easy-cutting quality. Die segments are removable and can be reground or replaced at slight cost.

When assembled, there are no loose parts . . . no adjustments are necessary. Tool body designed to quickly clear itself of chips and will not become clogged with dirt. Black enameled body.

Consists of three dies—1 each 3/8, 1/2 and 3/4 inches. Handle 13 inches long, 3/8-inch in diameter. Length over all 26 1/2 inches.

TY 30—For 3/8 to 3/4-inch pipe. Weight each 5 1/2 lbs. Std. List, Each \$6.00 Each \$7.75

Consists of three dies—1 each 1/2, 3/4 and 1 inch. Handle 16 1/2 inches long, 1-inch in diameter. Length over all 39 1/4 inches.

TY 31—For 1/2 to 1-inch pipe. Weight each 8 1/2 lbs. Std. List, Each \$6.75 Each \$8.50

One set in a carton.

EXTRA DIES FOR TOLEDO THREADING TOOLS

For No. TY 1A

Nos.	Each	Weight		Std. List, Each
		Each, Lbs.	Each	
TB 1A1	\$1.15	3/8		\$0.75
TB 1A1 1/4	1.15	3/8		.75
TB 1A1 1/2	1.15	3/8		.75
TB 1A2	1.90	1 1/8		1.25

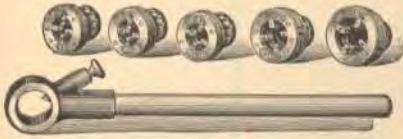
Packing—bulk.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

PIPE THREADING TOOLS

(TOLEDO) RATCHET

This light and compact ratchet threader will thread pipe in corners where other tools are useless. It cuts standard threads of full taper with a few easy strokes of the handle. Die heads instantly changed from one size to another. Die segments easily removed and re-ground when dull or replaced at small expense without purchasing complete new heads. Black enameled ratchet head.



Consists of five die heads and dies—1 each $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$ and $\frac{3}{4}$ inches. Handle 12 inches long, $\frac{7}{8}$ inch in diameter. Length over all $16\frac{1}{4}$ inches.

TY 00—For $\frac{1}{8}$ to $\frac{3}{4}$ -inch iron pipe; weight each $9\frac{3}{4}$ lbs. Std. List, Each \$12.35 Each \$15.60



Consists of four die heads and dies—1 each $\frac{1}{2}$, $\frac{3}{4}$, 1 and $1\frac{1}{4}$ inches. Handle 19 inches long, 1 inch in diameter. Length over all $24\frac{1}{4}$ inches.

TY 11—For $\frac{1}{2}$ to $1\frac{1}{4}$ -inch iron pipe; weight each 13 lbs. Std. List, Each \$12.00 Each \$15.50

One set in a carton.

EXTRA DIES FOR TOLEDO THREADING TOOLS

For No. TY 00

Nos.	Each	Weight Each, Lbs.	Std. List, Each
TB 00 $\frac{1}{8}$	\$1.95	$1\frac{1}{4}$	\$1.30
TB 00 $\frac{1}{4}$	1.95	$1\frac{3}{8}$	1.30
TB 00 $\frac{3}{8}$	1.95	$1\frac{7}{8}$	1.30
TB 00 $\frac{1}{2}$	1.95	$1\frac{3}{4}$	1.30
TB 00 $\frac{3}{4}$	1.95	$1\frac{3}{8}$	1.30

For No. TY 11

TB 111	\$2.45	$\frac{1}{4}$	\$1.63
TB 111 $\frac{1}{4}$	2.45	$\frac{1}{4}$	1.63

Packing—bulk.

STOCKS AND DIES



GREENFIELD PUMP MAKERS'

- Especially designed for pump installation and repair work to thread ends of pump rods ready for couplings.
- Double stock. Complete with 2 adjustable round split dies, one each $\frac{3}{8}$ -inch, 14 threads to inch and $\frac{7}{16}$ -inch, 12 threads to inch—"V" thread $\frac{1}{16}$ -inch oversize. The guide is part of stock. Stock $14\frac{1}{2}$ inches long.

TB 920—Weight each $1\frac{1}{2}$ lbs. Each \$3.95

Packing—bulk.

DIE STOCKS

For Adjustable Round Dies GREENFIELD



Single Screw Type

- Accommodates all round dies of internal screw adjustment type. Set screw is threaded into body to enter spot in side of die—because die fits stock closely, only a small amount of pressure on set screw secures die solidly.
- Selected malleable iron body, accurately machined, highly polished and attractively finished. Handles are knurled to insure firm grip.

Nos.	Each	For Dies Length		Weight Each, Lbs.	List, Each
		Diameter, Inches	Over All, Inches		
TB 1851	\$1.25	$\frac{11}{16}$	$6\frac{1}{4}$	$\frac{3}{8}$	\$1.00
TB 1853	2.50	$1\frac{1}{2}$	14	$1\frac{1}{4}$	2.00

Packing—bulk.

ADJUSTABLE DIES



GREENFIELD

Designed for use in both hand stocks and machine holders. Carbon steel.

MACHINE SCREW SIZES

Diameter of die $\frac{11}{16}$ inch, thickness $\frac{1}{4}$ inch.

Nos.	Each	Screw Gauge, Nos.	Basic Diameter, Inches	Threads Per Inch	List, Each
					Outside
TB 381 $\frac{1}{4}$ /40	\$0.85	4	.112	40	\$0.60
TB 381 $\frac{1}{4}$ /32	.85	4	.112	32	.60
TB 381 $\frac{1}{6}$ /32	.85	6	.138	32	.60
TB 381 $\frac{1}{8}$ /32	.85	8	.164	32	.60
TB 381 $\frac{1}{10}$ /24	.85	10	.190	24	.60
TB 381 $\frac{1}{10}$ /32	.85	10	.190	32	.60
TB 381 $\frac{1}{12}$ /24	.85	12	.216	24	.60

FRACTIONAL SIZES

Diameter of die $1\frac{1}{2}$ inches; thickness $\frac{1}{2}$ inch.

U. S. Standard thread.

Nos.	Each	Cutting Size, Inch	Threads Per Inch	List, Each
TB 382 $\frac{1}{4}$	\$1.80	$\frac{1}{4}$	20	\$1.25
TB 382 $\frac{5}{16}$	1.80	$\frac{5}{16}$	18	1.25
TB 382 $\frac{3}{8}$	1.80	$\frac{3}{8}$	16	1.25
TB 382 $\frac{7}{16}$	1.80	$\frac{7}{16}$	14	1.25
TB 382 $\frac{1}{2}$	1.80	$\frac{1}{2}$	13	1.25

Weight each 1 ounce.

Packing—bulk.

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SCREW PLATES

Cut Clean, Accurate, Easy-action Threads That Assure Secure, Tight Connections

GREENFIELD LITTLE GIANT

High quality and practical design, they are extremely simple to use. Full instructions in box.

Stock—selected malleable iron body, accurately machined, beautifully mottled and polished, with polished steel knurled handles.

Tap wrench—drop forged solid steel body, beautifully mottled and polished, with polished steel knurled handles, tool steel jaws. Carefully hardened and tempered.



AMERICAN NATIONAL COARSE THREAD (U. S. S. Standard Thread).

Set consists of 1 stock 14½ inches long, 1 tap wrench 11

inches long, 5 dies (each with 2-inch collet), 5 taps and bit brace shank guide.

Five Dies and Taps

Size, inch	¼	⅝	¾	⅞	1½
Threads to inch	20	18	16	14	13

Each List, Each

TY 1—Weight per set 9 lbs. \$18.50 18.50



AMERICAN NATIONAL FINE THREAD

Set consists of 1 stock 23 inches long, 1 tap wrench 15 inches long and 7 dies (each with 2¾-inch collet) and 7 taps.

Seven Dies and Taps

Size, inch	¼	⅝	¾	⅞	1½	5/8	¾
Threads to inch	28	24	24	20	20	18	16

Each List, Each

TY 35—Weight per set 20 lbs. \$27.50 27.50

Dies and collets—highest quality. Consists of adjustable two-piece die, cap and guide.

Taps—carbon steel.

Neatly grouped in oiled and varnished hardwood box which will not split, warp or fall apart.

Set consists of 1 stock 23 inches long, 1 tap wrench 15 inches long, 7 dies (each with 2¾-inch collet) and 7 taps

Seven Dies and Taps

Size, inch	¼	⅝	¾	⅞	1½	5/8	¾
Threads to inch	20	18	16	14	13	11	10

Each List, Each

TY 5—Weight per set 20 lbs. \$27.50 27.50

Set consists of 1 stock 26 inches long, 2 tap wrenches (one each 11 and 19 inches long), 9 dies (each with 2¾-inch collet) and 9 taps.

Nine Dies and Taps

Size, inch	¼	⅝	¾	⅞	1½	5/8	¾	7/8	1
Threads to inch	20	18	16	14	13	11	10	9	8

Each List, Each

TY 7—Weight per set 27 lbs. \$42.00 42.00

Set consists of 1 stock 26 inches long, 2 tap wrenches (one each 11 and 19 inches long), 9 dies (each with 2¾-inch collet) and 9 taps.

Nine Dies and Taps

Size, inch	¼	⅝	¾	⅞	1½	5/8	¾	7/8	1
Threads to inch	28	24	24	20	20	18	16	14	14

Each List, Each

TY 37—Weight per set 27 lbs. \$42.00 42.00

One set in an oiled and varnished hardwood box.

GREENFIELD "O. K." JR.

Popular priced . . . but of the same high quality as other Greenfield products!

This sensational value is made possible by re-designing and simplifying a number of tools in the sets—namely, the simpler and less expensive O. K. Jr. round split dies, which are held and adjusted in the stock by 3 tapered screws, and the O. K. Jr. taps.

Stock—malleable iron red-enameled body with 3 adjustable screws and polished steel handles.

Tap wrench—drop forged solid steel, polished finish, with 2-screw adjustments.

Dies—round split pattern ⅜ inch in diameter.

Taps—carbon steel.

• Includes small screw driver for turning screws in stock.



MACHINE SCREW SIZES

Set consists of 1 stock 6¼ inches long, 1 tap wrench, 5 dies, 5 taps and 1 screw driver.

Five Dies and Taps

Screw, Nos.	4	6	8	10	12
Threads to inch	36	32	32	24	24

Each List, Each

TR B5—Weight per set 1¾ lbs. \$4.00 4.00

Set consists of 1 stock 6¼ inches long, 1 tap wrench, 7 dies, 7 taps and 1 screw driver.

Seven Dies and Taps

Screw, Nos.	4	6	8	10	10	12	¼
Threads to inch	36	32	32	24	32	24	20

Each List, Each

TR B7—Weight per set 2 lbs. \$5.00 5.00

SMALL FRACTIONAL SIZES NATIONAL FORM THREAD

Set consists of 1 stock 6¼ inches long, 1 tap wrench, 5 dies, 5 taps and 1 screw driver.

Five Dies and Taps

Size, inch	½	⅜	⅜	⅜	¼
Threads to inch	40	36	24	24	20

Each List, Each

TR BB5—Weight per set 1¾ lbs. \$4.00 4.00

One set in a hardwood case.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SCREW PLATES

CHAMPION EASY—FOR BOLTS

- Expertly constructed of high quality materials for heavy-duty service and long life.
- Drop forged stocks, mottled finish, with seamless steel tubing knurled handles polished and knurled. High-grade tool steel adjustable dies. Machine relieved taper taps.



Set complete with: 2 stocks, 1 each 15½ and 26 inches long; 9 adjustable dies (first 4 sizes 1½, others 1½ inches in diameter) and 9 taps; adjustable tap wrench 20 inches long.

Cutting sizes, in... ¼ ⅝ ¾ ⅞ 1
Threads to inch... 20 18 16 14 13 11 10 9 8

TB 7B—U. S. standard thread. Weight per set 18 lbs.....Std. List, Each \$31.00 Each \$31.00



Set complete with: 2 stocks, 1 each 15 and 23 inches long; 7 adjustable dies (first 4 sizes 1½, others 1½ inches in diameter) and 7 taps; adjustable tap wrench 15 inches long.

Cutting sizes, inches..... ¼ ⅝ ¾ ⅞ 1
Threads to inch..... 20 18 16 14 13 11 10

TB 5B—U. S. standard thread. Weight per set 14 lbs.....Std. List, Each \$21.00 Each \$21.00



Set complete with: stock 15½ inches long; 5 adjustable dies 1½ inches in diameter and 5 taps; adjustable tap wrench 10 inches long.

Cutting sizes, inches..... ¼ ⅝ ¾ ⅞ 1
Threads to inch..... 20 18 16 14 13

TB 1B—U. S. standard thread. Weight per set 7½ lbs.....Std. List, Each \$13.50 Each \$13.50

One set in a polished hardwood box.

Build Up Your Home Work Shop
with

**KEEN KUTTER
TOOLS**

—They
DO FINE WORK
and
LAST A LONG TIME

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

STAR TAP AND DIE SETS

- Each set an outstanding value!
- All units made of good quality material to meet the growing, popular demand for low-priced practical tools.
- Neatly arranged in hardwood hinged cases with separate depressions for each unit.



COMBINATION U. S. STANDARD AND S. A. E. THREAD

Set consists of one 8-inch die stock, one 7-inch adjustable tap wrench, 10 round dies and 10 bolt taps.

TB 2CV—Weight per set
4 lbs.Each Set \$3.25

Die and Tap Sizes

U. S. S.	Size, Inches	¼	⅝	¾	⅞	1
	Threads to Inch	20	18	16	14	13
S. A. E.	Size, Inches	¼	⅝	¾	⅞	1
	Threads to Inch	28	24	24	20	20



U. S. STANDARD THREAD

Set consists of one 8-inch die stock, one 7-inch adjustable tap wrench, 5 round dies and 5 bolt taps.

TB 2V—Weight per set
2¼ lbs.Each Set \$1.95

Die and Tap Sizes

Size, Inches	¼	⅝	¾	⅞	1
Threads to Inch	20	18	16	14	13



S. A. E. THREAD

Set consists of one 8-inch die stock, one 7-inch adjustable tap wrench, 5 round dies and 5 bolt taps.

TB 2AV—Weight per set
2¼ lbs.Each Set \$1.95

Die and Tap Sizes

Size, Inches	¼	⅝	¾	⅞	1
Threads to Inch	28	24	24	20	20

One set in a polished hardwood box.

EXTRA HAND TAPS

For Star Tap and Die Sets TB 2V, TB 2AV and TB 2CV.

U. S. STANDARD THREAD

Nos.	Each	Size, Inches	Threads to Inch
TB VU¼	\$0.12	¼	20
TB VU⅝	.12	⅝	18
TB VU¾	.12	¾	16
TB VU⅞	.15	⅞	14
TB VU1	.15	1	13

S. A. E. THREAD

TB VS¼	\$0.12	¼	28
TB VS⅝	.12	⅝	24
TB VS¾	.12	¾	24
TB VS⅞	.15	⅞	20
TB VS1	.15	1	20

One dozen in a carton.

Approximate weight per dozen 1½ lbs.

STANDARD HAND TAPS

GREENFIELD

• Forged from carbon steel to assure long, reliable service.

• Cuts clean, sharp threads that provide secure, firm connections.



Taper



Plug



Bottoming

Dia. Tap.	Lgth. Over All.	Thds. Per In.	U. S. S. Standard Thread Taper				U. S. S. Standard Thread Plug				Bottoming				S.A.E. Thread Plug			
			Nos.	Each	Std. List.	Each	Nos.	Each	Std. List.	Each	Nos.	Each	Std. List.	Each	Thds. Per In.	Nos.	Each	Std. List.	Each
1/4	2 1/2	20	TB T303 1/4	\$0.45	\$0.45	TB P303 1/4	\$0.45	\$0.45	TB B303 1/4	\$0.45	\$0.45	28	TB PS303 1/4	\$0.45	\$0.45			
5/16	2 3/8	18	TB T303 5/16	.50	.50	TB P303 5/16	.50	.50	TB B303 5/16	.50	.50	24	TB PS303 5/16	.50	.50			
3/8	2 1/2	16	TB T303 3/8	.55	.55	TB P303 3/8	.55	.55	TB B303 3/8	.55	.55	24	TB PS303 3/8	.55	.55			
7/16	3	14	TB T303 7/16	.60	.60	TB P303 7/16	.60	.60	TB B303 7/16	.60	.60	26	TB PS303 7/16	.60	.60			
1/2	3 3/8	13	TB T303 1/2	.70	.70	TB P303 1/2	.70	.70	TB B303 1/2	.70	.70	20	TB PS303 1/2	.70	.70			
5/8	3 1/2	12	TB T303 5/8	.80	.80	TB P303 5/8	.80	.80	TB B303 5/8	.80	.80	18	TB PS303 5/8	.80	.80			
3/4	3 3/4	11	TB T303 3/4	.90	.90	TB P303 3/4	.90	.90	TB B303 3/4	.90	.90	18	TB PS303 3/4	.90	.90			
7/8	4 1/4	10	TB T303 7/8	1.20	1.20	TB P303 7/8	1.20	1.20	TB B303 7/8	1.20	1.20	16	TB PS303 7/8	1.20	1.20			
1	4 3/4	9	TB T303 1	1.60	1.60	TB P303 1	1.60	1.60	TB B303 1	1.60	1.60	14	TB PS303 1	1.60	1.60			
	5 1/8	8	TB T3031	2.00	2.00	TB P3031	2.00	2.00	TB B3031	2.00	2.00	14	TB PS3031	2.00	2.00			

Note—1/4 to 3/8 inch have shanks full diameter of thread, 7/16 inch and larger have shanks smaller than the root diameter of thread.

Packing: 1/4 inch to 3/8 inch—one dozen in a carton. 7/8 inch and 1 inch—one-half dozen in a carton. Weight each: 1/4 inch—1/2 ounce. 7/16 inch—1 ounce. 3/8 inch—4 ounces. 1 inch—10 ounces.

STANDARD HAND TAPS

GREENFIELD



PLUG TAP
High Speed Steel

Nos.	Each	Diam. Tap, Inch	Thrds. Per Inch	Lgth., Ins.	Weight Each, Ozs.	Std. List, Each
TB P6303 1/4 20	\$0.85	1/4	20	2 1/2	1 1/2	\$0.85
TB P6303 5/16 18	.95	5/16	18	2 3/8	3/4	.95
TB P6303 3/8 16	1.10	3/8	16	2 1/2	1	1.10
TB P6303 1/2 13	1.55	1/2	13	3 3/8	2	1.55
TB P6303 5/8 11	2.20	5/8	11	3 1/2	2 1/2	2.20
TB P6303 3/4 10	3.10	3/4	10	4 1/4	4	3.10

One dozen in a carton.

STOVE BOLT TAPS

GREENFIELD



Carbon Steel
"Manufacturers Standard" form of thread—plug style only.

Nos.	Each	Diam. Tap, Inch	Thrds. Per Inch	No. Flutes	Length Over All, Ins.	Std. List, Each
TB314 3/16 24	\$0.40	3/16	24	4	2 3/8	\$0.40
TB 314 1/4 18	.45	1/4	18	4	2 1/2	.45

Average weight each 1/2 ounce. One dozen in a carton.

STANDARD MACHINE SCREW TAPS



Nos.	Each	Bas. Sew. Ga.	Maj. Dia., Inch	Threads Per Inch	Length Over Flutes, Ins.	Std. List, Each
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HIGH SPEED STEEL

TB 6305440	\$0.70	4	.112	40	3 1 1/8	\$0.70
TB 6305632	.70	6	.138	32	3 2	.70
TB 6305832	.70	8	.164	32	4 2 1/8	.70
TB 63051024	.75	10	.190	24	4 2 3/8	.75
TB 63051032	.75	10	.190	32	4 2 3/8	.75
TB 63051224	.80	12	.216	24	4 2 3/8	.80

CARBON STEEL

TB 305440	\$0.40	4	.112	40	3 1 1/8	\$0.40
TB 305436	.40	4	.112	36	3 1 1/8	.40
TB 305632	.35	6	.138	32	3 2	.35
TB 305832	.35	8	.164	32	4 2 1/8	.35
TB 3051024	.40	10	.190	24	4 2 3/8	.40
TB 3051032	.40	10	.190	32	4 2 3/8	.40
TB 3051224	.45	12	.216	24	4 2 3/8	.45

Average weight each 1/2 ounce to 3/4 ounce. One dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

ADJUSTABLE TAP AND REAMER WRENCHES

GREENFIELD

• Compact, light, strong. Solid steel drop-forged body, mottled finish. Steel tubing handle has knurled ends to provide sure, easy grip. Jaws made of carefully hardened and tempered tool steel. They will not break or get out of line.



Nos.	Each	Length, Inches	Hand, Inches	Capacity (Tap Sizes)		Pipe, Inches	Hand Reamer, Inches	Wt. Each, Lbs.	Std. List, Each
				Machine Screw	Machine Screw				
TB 4TR	\$3.50	9	$\frac{1}{8}$ to $\frac{1}{4}$	0 to 14	---	$\frac{1}{8}$ to $\frac{3}{16}$	$\frac{1}{2}$	\$3.00	
TB 5TR	4.25	11	$\frac{3}{16}$ to $\frac{1}{4}$	7 to 14	$\frac{1}{8}$	$\frac{1}{4}$ to $\frac{3}{16}$	$\frac{3}{4}$	3.50	
TB 6TR	4.75	15	$\frac{3}{16}$ to $\frac{5}{16}$	7 to 14	$\frac{1}{8}$ - $\frac{1}{4}$	$\frac{1}{4}$ to $\frac{1}{2}$	1 $\frac{5}{8}$	4.00	
TB 7TR	5.95	19	$\frac{1}{4}$ to $1\frac{1}{8}$	-----	$\frac{1}{8}$ - $\frac{3}{4}$	$\frac{3}{8}$ to $\frac{3}{4}$	2 $\frac{7}{8}$	5.00	

Packing—bulk.

TAP WRENCHES



GREENFIELD

- High-grade tool steel, carefully selected for its toughness. Hardened and tempered chuck jaws.
- Rigid steel T handle. Simple design—no delicate springs or pins.

Nos.	Each	Cap. (Tap Sizes)			Weight Each, Ounces	List, Each
		Length, Inches	Hand, Inches	Machine Screw		
TB 329	\$0.90	2 $\frac{1}{2}$	$\frac{1}{8}$ - $\frac{3}{16}$	0-14	3	\$0.75
TB 333	1.45	3 $\frac{3}{8}$	$\frac{3}{16}$ - $\frac{1}{2}$	12-14	8	1.25

Packing—bulk.

SCREW EXTRACTORS



EZY-OUT

It is only necessary to drill a hole in center of broken section large and deep enough to permit extractor (largest size possible) to enter well beyond point without bottoming. This permits the corkscrew type spirals to grip sides of the drilled hole. By exerting an untwisting action (to the left) the broken section is extracted.



Fine quality tempered tool steel.

Nos.	Each	Lgth.		Tapers, Inches	Weight Each, Ounces	Std. List, Each
		All, Inches	Spiral, Inches			
TB 1	\$0.30	2	$\frac{1}{2}$	$\frac{1}{8}$ to $\frac{1}{16}$	$\frac{1}{4}$	\$0.55
TB 2	.33	2 $\frac{3}{8}$	$\frac{3}{4}$	$\frac{3}{16}$ to $\frac{1}{8}$	$\frac{1}{2}$	.60
TB 3	.35	2 $\frac{1}{2}$	1	$\frac{1}{4}$ to $\frac{3}{8}$	$\frac{1}{2}$	.65
TB 4	.39	3	1 $\frac{1}{4}$	$\frac{1}{2}$ to $\frac{3}{4}$	1	.75
TB 5	.45	3 $\frac{3}{8}$	1 $\frac{1}{2}$	$\frac{3}{4}$ to $\frac{1}{2}$	1 $\frac{3}{4}$	.85
TB 6	.55	3 $\frac{3}{4}$	1 $\frac{3}{4}$	$\frac{1}{2}$ to $\frac{3}{8}$	3 $\frac{1}{2}$	1.00

Packing—bulk.



Most Popular Sizes

TB 15—Set of five. Consists of one each Nos. 1, 2, 3, 4 and 5; weight per set $\frac{3}{4}$ lb. Std. List, Per Set \$3.00
Each Set \$1.49

TB 17—Set of three. Consists of one each Nos. 4, 5 and 6; weight per set $\frac{1}{2}$ lb. Std. List, Per Set \$2.35
Each Set 1.19

One set in a dove-tailed, slide-covered wood box.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SCREW EXTRACTORS

GREENFIELD—LITTLE GIANT



Due to its unique design, it will feed itself into a hole drilled in object to be extracted instead of having to be "hammered" in. It takes a quick and positive grip, which will start the most deeply embedded screw or stud, and turn it out on its own threads. This useful high quality tool is forged from finest steel and designed for long service.

Nos.	TB 801	TB 802	TB 803
Diameter inches, Small end	$\frac{1}{16}$	$\frac{3}{16}$	$\frac{1}{8}$
Large end	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{4}$
Length thread, inches	$\frac{1}{2}$	$\frac{7}{8}$	1
Length over all, inches	2	2 $\frac{3}{8}$	2 $\frac{1}{4}$
Size drill required, inches	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{3}{8}$
For screws and bolts, inches	$\frac{3}{16}$ - $\frac{1}{4}$	$\frac{1}{4}$ - $\frac{3}{8}$	$\frac{1}{8}$ - $\frac{1}{4}$
Standard List, Each	\$0.55	.60	.65
Each	\$0.30	.33	.35

Nos.	TB 804	TB 805	TB 806
Diameter inches, Small end	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{3}{8}$
Large end	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$
Length thread, inches	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$
Length over all, inches	3	3 $\frac{3}{8}$	3 $\frac{3}{4}$
Size drill required, inches	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{8}$
For screws and bolts, inches	$\frac{1}{8}$ - $\frac{3}{16}$	$\frac{1}{8}$ - $\frac{3}{4}$	$\frac{3}{4}$ -1
Standard List, Each	\$0.75	.85	1.00
Each	\$0.39	.45	.55

Average weight 1 ounce to 4 ounces.

Packing—bulk.



Most Popular Sizes

Size range sufficient for most broken screws and studs that have to be removed in garage and machine shop. Neatly grouped in wood stand.

TB 1815—Set of five. Consists of 1 each TB 801, TB 802, TB 803, TB 804 and TB 805. Weight per set $\frac{1}{2}$ lb. List, Per Set \$3.00
Per Set \$1.49

TB 1817—Set of three. Consists of 1 each TB 804, TB 805 and TB 806. Weight per set $\frac{5}{8}$ lb. List, Per Set \$2.35
Per Set 1.19

One set in a carton, with natural finish wood stand.

CLEVELAND CLE-FORGE HIGH SPEED DRILLS

• In these drills are united all the best features of both forged and milled drills—such as strength, penetrating ability, cutting quality and accuracy.



TB 940—TAPER SHANK

TAPER SHANK No. 1

Diam., In.	Each	Length Over		Diam., In.	Each	Length Over	
		All, In.	Per Doz.			All, In.	Per Doz.
1/4	\$0.95	6 1/8	\$1.40	5/16	\$1.15	6 3/8	\$1.60
17/64	1.09	6 1/4	1.50	21/64	1.20	7 1/8	1.70
9/32	1.09	6 1/4	1.50	11/32	1.20	7 1/8	1.70
19/64	1.15	6 3/8	1.60	23/64	1.37	7 1/4	1.90

Twelve in a package. Average weight each 1 1/4 ozs.

TAPER SHANK No. 2

3/8	\$1.49	7 7/8	\$2.10	33/64	\$2.35	8 1/2	\$3.25
25/64	1.35	7 1/2	2.25	17/32	2.35	8 1/2	3.25
13/32	1.35	7 5/8	2.25	35/64	2.69	8 3/4	3.75
27/64	1.75	7 3/4	2.45	9/16	2.69	8 3/4	3.75
7/16	1.75	7 7/8	2.45	37/64	2.85	8 3/4	4.00
29/64	1.90	7 7/8	2.65	19/32	2.85	8 3/4	4.00
15/32	1.90	7 11/8	2.65	39/64	3.10	8 3/4	4.25
31/64	2.10	8 1/8	2.95	5/8	3.10	8 3/4	4.25
1/2	2.10	8 1/8	2.95				

Six in a package. Average weight each 2% to 4% ozs.

TAPER SHANK No. 3

41/64	\$3.69	9 7/8	\$5.15	53/64	\$5.45	10 3/4	\$7.65
21/32	3.69	9 7/8	5.15	27/32	5.45	10 3/4	7.65
43/64	4.10	9 7/8	5.70	55/64	5.75	10 3/4	8.05
11/16	4.10	9 7/8	5.70	7/8	5.75	10 3/4	8.05
45/64	4.45	10 3/4	6.20	57/64	6.00	10 3/4	8.45
23/32	4.45	10 3/4	6.20	29/32	6.00	10 3/4	8.45
47/64	4.85	10 3/4	6.75	59/64	6.30	10 3/4	8.85
3/4	4.85	10 3/4	6.75	15/16	6.30	10 3/4	8.85
49/64	4.95	10 3/4	7.00	61/64	6.95	11 1/4	9.65
25/32	4.95	10 3/4	7.00	31/32	6.95	11 1/4	9.65
51/64	5.20	10 3/4	7.25	63/64	7.30	11 1/4	10.65
13/16	5.20	10 3/4	7.25	1	7.30	11 1/4	10.25

One in a package. Average weight each 16 to 24 ozs.

TAPER SHANK No. 4

11/64	\$7.60	12 5/8	\$12.00	113/64	\$11.85	14	\$16.50
13/32	7.60	12 5/8	12.00	17/32	11.85	14	16.50
13/64	9.15	12 5/8	12.80	115/64	12.85	14	18.00
11/16	9.15	12 5/8	12.80	11/4	12.85	14	18.00
15/64	9.45	13 1/4	13.25	19/32	13.50	14 1/2	20.00
13/32	9.45	13 1/4	13.25	15/16	14.95	14 1/2	20.75
17/64	10.00	13 1/4	14.25	111/32	15.30	14 1/2	21.50
11/8	10.00	13 1/4	14.25	11/8	15.85	14 1/2	22.25
19/64	10.65	13 1/4	15.00	113/32	16.40	15	23.00
15/32	10.65	13 1/4	15.00	17/16	16.95	15	23.75
111/64	11.25	13 1/4	15.75	115/32	17.50	15	24.50
13/16	11.25	13 1/4	15.75	11/2	17.95	15	25.25

One in a package. Average weight each 2 3/8 to 4 1/4 lbs.

TAPER SHANK No. 5

117/32	\$20.45	16 1/2	\$28.75	129/32	\$31.95	17 3/4	\$46.25
19/16	21.95	16 1/2	30.75	115/16	33.45	17 3/4	47.50
119/32	23.35	17 1/4	32.75	131/32	34.50	17 3/4	48.75
15/8	24.45	17 1/4	34.00	2	35.45	17 3/4	50.00
121/32	25.15	17 1/4	35.25	21/16	36.75	17 3/4	53.50
111/16	25.95	17 1/4	36.50	21/8	38.75	17 3/4	57.00
123/32	26.90	17 1/4	37.75	23/16	42.75	17 3/4	60.50
13/4	27.85	17 1/4	39.00	21/4	45.40	17 3/4	64.00
125/32	28.75	17 3/4	40.25	25/16	47.75	17 3/4	67.50
113/16	29.50	17 3/4	41.50	23/8	49.95	17 3/4	71.00
127/32	30.45	17 3/4	42.75	27/16	61.75	18 3/4	87.50
17/8	31.75	17 3/4	45.00	21/2	64.25	18 3/4	91.00

One in a package. Average weight each 6 1/2 to 13 3/4 lbs.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

• Made of the finest selected forged steel, heat-treated, accurately machined, milled and finely finished—to assure long, outstanding service.



TB 917—STRAIGHT SHANK, SHORT SET

Diam., In.	Each	Length Over		Diam., In.	Each	Length Over	
		All, In.	Per Doz.			All, In.	Per Doz.
1/16	\$0.25	2 1/2	\$3.00	19/64	\$0.70	4 3/8	\$9.00
5/64	.25	2 5/8	3.10	5/16	.77	4 1/2	9.75
3/32	.25	2 3/4	3.20	21/64	.85	4 5/8	10.75
7/64	.30	2 7/8	3.40	11/32	.95	4 3/4	11.75
1/8	.30	3	3.60	23/64	1.05	4 7/8	12.75
9/64	.30	3 1/8	3.90	3/8	1.15	5	13.75
5/32	.30	3 1/4	4.20	25/64	1.25	5 1/8	15.00
11/64	.35	3 3/8	4.50	13/32	1.35	5 1/4	16.25
31/64	.35	3 1/2	4.85	27/64	1.40	5 3/8	17.50
13/64	.40	3 5/8	5.25	7/16	1.50	5 1/2	18.75
7/32	.45	3 3/4	5.75	29/64	1.60	5 5/8	20.00
15/64	.47	3 7/8	6.25	15/32	1.70	5 3/4	21.25
1/4	.50	4	6.75	31/64	1.80	5 7/8	22.75
17/64	.55	4 1/8	7.50	1/2	1.95	6	24.25
9/32	.65	4 1/4	8.25				

1 1/8 inch—48 in a package. Weight per dozen 6 ozs.

5/16 inch to 3/8 inch—12 in a package. Average weight per dozen 6 to 12 ozs.

1/2 to 5/8 inch—6 in a package. Average weight per dozen 12 to 25 1/2 ozs

TB 918—STRAIGHT SHANK, WIRE GAUGE

Wire Gauge Nos.	Length Over Each	List, Per Doz.	Wire Gauge Nos.	Length Over Each	List, Per Doz.		
						1	\$0.55	4	$6.45	31	$0.30	2 3/4	$3.30
2	.55	3 11/16	6.45	32	.30	2 11/16	3.30
3	.55	3 11/8	6.15	33	.30	2 11/8	3.30
4	.55	3 7/8	5.95	34	.30	2 5/8	3.15
5	.55	3 3/4	5.95	35	.30	2 5/16	3.15
6	.55	3 11/4	5.95	36	.30	2 11/4	3.10
7	.50	3 3/4	5.45	37	.25	2 1/2	2.95
8	.50	3 11/8	5.45	38	.25	2 7/8	2.95
9	.50	3 11/16	5.45	39	.25	2 7/16	2.95
10	.45	3 5/8	5.25	40	.25	2 3/8	2.80
11	.45	3 5/16	5.25	41	.25	2 3/16	2.80
12	.45	3 7/16	5.25	42	.25	2 3/8	2.75
13	.40	3 1/2	4.85	43	.25	2 1/4	2.60
14	.40	3 1/4	4.85	44	.25	2 3/16	2.60
15	.40	3 1/8	4.85	45	.25	2 3/16	2.60
16	.35	3 3/8	4.65	46	.20	2 1/8	2.50
17	.35	3 3/16	4.65	47	.20	2 1/8	2.50
18	.35	3 1/8	4.50	48	.20	2 1/8	2.50
19	.35	3 1/4	4.35	49	.20	2	2.50
20	.35	3 1/8	4.35	50	.20	1 11/8	2.40
21	.35	3 1/16	4.35	51	.20	1 11/8	2.40
22	.35	3 1/8	4.15	52	.20	1 7/8	2.40
23	.35	3 1/16	4.05	53	.20	1 11/8	2.40
24	.35	3 1/16	4.05	54	.20	1 11/8	2.40
25	.30	3	3.90	55	.20	1 3/4	2.40
26	.30	2 5/8	3.90	56	.20	1 11/8	2.40
27	.30	2 5/8	3.90	57	.20	1 11/8	2.40
28	.30	2 7/8	3.60	58	.20	1 5/8	2.40
29	.30	2 11/8	3.60	59	.20	1 5/8	2.40
30	.30	2 11/8	3.60	60	.20	1 5/8	2.40

Weight per dozen: No. 1—7 ozs.; No. 10, 4 ozs.; No. 20 to 30—4 ozs.; 31 to 37—1 oz.; No. 40—1/2 oz.

Packing—bulk.

CLEVELAND TAPER SHANK DRILLS

For Quick, Even Cutting



No. TB 106—Carbon Steel

Fit sockets Nos. 100/1, 102/1/2 and 104/1/2.

Diam., Inch	Each	Length Over All, Inches	Weight Each, Lbs.	Std. List, Each
# 1/8	\$0.45	5 1/8	1/8	\$0.45
# 9/64	.45	5 1/4	1/8	.45
# 5/32	.45	5 3/8	1/8	.45
# 11/64	.45	5 3/4	1/8	.50
# 3/16	.45	5 3/4	1/8	.50
# 13/64	.55	5 7/8	1/4	.55
# 7/32	.55	5 7/8	1/4	.55
# 15/64	.55	6 1/8	1/4	.60
# 1/4	.55	6 1/8	1/4	.60
# 17/64	.65	6 1/4	1/4	.65
# 9/32	.65	6 1/4	1/4	.65
# 19/64	.65	6 3/8	1/4	.70
# 5/16	.65	6 3/8	1/4	.70
# 21/64	.67	6 1/2	1/4	.75
# 11/32	.67	6 1/2	1/4	.75
# 23/64	.80	6 3/4	1/4	.80
# 3/8	.80	6 3/4	1/4	.80
# 25/64	.80	7	1/4	.90
# 13/32	.80	7	1/4	.90
# 27/64	1.00	7 1/4	3/4	1.00
# 7/16	1.00	7 1/4	3/4	1.00
# 29/64	1.00	7 1/2	3/4	1.10
# 15/32	1.00	7 1/2	3/4	1.10
# 31/64	1.15	7 3/4	3/4	1.20
# 1/2	1.15	7 3/4	3/4	1.20
# 33/64	1.15	8	3/4	1.30
# 17/32	1.15	8	3/4	1.30
# 35/64	1.25	8 1/4	3/4	1.40
# 9/16	1.25	8 1/4	3/4	1.40

Fit sockets Nos. 100/2, 102/2/3 and 104/2/3.

Diam., Inch	Each	Length Over All, Inches	Weight Each, Lbs.	Std. List, Each
# 37/64	\$1.45	8 1/2	3/4	\$1.50
# 19/32	1.45	8 1/2	3/4	1.50
# 39/64	1.45	8 3/4	3/4	1.60
# 5/8	1.45	8 3/4	3/4	1.60
# 41/64	1.60	9	3/4	1.70
# 21/32	1.60	9	3/4	1.70
# 43/64	1.60	9 1/4	3/4	1.80
# 11/16	1.60	9 1/4	1 1/2	1.80
# 45/64	1.80	9 1/2	1 1/2	1.90
# 23/32	1.80	9 1/2	1 1/2	1.90
# 47/64	1.80	9 3/4	1 1/2	2.00
# 3/4	1.80	9 3/4	1 1/2	2.00
# 49/64	2.00	9 3/8	1 1/2	2.10
# 25/32	2.00	9 7/8	1 1/2	2.10
# 51/64	2.00	10	1 1/2	2.20
# 13/16	2.00	10	1 1/2	2.20
# 53/64	2.35	10 1/4	1 1/2	2.40
# 27/32	2.35	10 1/4	1 1/2	2.40
# 55/64	2.35	10 1/2	1 1/2	2.60
# 7/8	2.35	10 1/2	1 1/2	2.60
# 57/64	2.50	10 5/8	1 1/2	2.80
# 29/32	2.50	10 5/8	1 1/2	2.80

• Forged from carbon steel for excellent performance.

No. TB 106—Carbon Steel

Fit sockets Nos. 100/3, 102/3/4 and 104/3/4.

Diam., Inches	Each	Length Over All, Inches	Weight Each, Lbs.	Std. List, Each
# 59/64	\$2.70	10 3/4	1 1/2	\$3.00
# 17/16	2.70	10 3/4	1 1/2	3.00
# 61/64	2.95	10 3/4	2 1/4	3.25
# 31/32	2.95	10 3/8	2 1/4	3.25
# 63/64	3.15	11	2 1/4	3.50
# 1	3.15	11	2 1/4	3.50
# 11/64	3.40	11 1/8	2 1/4	3.75
# 13/32	3.40	11 1/8	2 1/4	3.75
# 13/64	3.60	11 1/4	2 1/4	4.00
# 11/16	3.60	11 1/4	2 1/4	4.00
# 15/64	3.85	11 1/2	2 1/4	4.25
# 13/32	3.85	11 1/2	2 1/4	4.25
# 17/64	4.00	11 3/4	2 1/4	4.50
# 11/8	4.00	11 3/4	2 1/4	4.50
# 19/64	4.25	11 7/8	2 1/4	4.75
# 15/32	4.25	11 7/8	2 1/4	4.75
# 111/64	4.50	12	2 1/4	5.00
# 13/16	4.50	12	2 1/4	5.00
# 113/64	4.75	12 1/4	2 1/4	5.25
# 17/32	4.75	12 1/4	2 1/4	5.25
# 115/64	4.95	12 1/2	2 1/4	5.50
# 11/4	4.95	12 1/2	2 1/4	5.50

Fit sockets Nos. 100/4, 102/4/5 and 104/4/5.

Diam., Inches	Each	Length Over All, Inches	Weight Each, Lbs.	Std. List, Each
# 117/64	\$5.15	14 1/8	4	\$5.75
# 19/32	5.15	14 1/8	4	5.75
# 119/64	5.40	14 1/4	4	6.00
# 5/16	5.40	14 1/4	4	6.00
# 121/64	5.65	14 3/8	4	6.25
# 111/32	5.65	14 3/8	4	6.25
# 123/64	5.85	14 1/2	4	6.50
# 13/8	5.85	14 1/2	4	6.50
# 125/64	6.30	14 5/8	4	7.00
# 113/32	6.30	14 5/8	4	7.00
# 127/64	6.75	14 3/4	4	7.50
# 17/16	6.75	14 3/4	4	7.50
# 129/64	7.20	14 7/8	4	8.00
# 115/32	7.20	14 7/8	4	8.00
# 131/64	7.65	15	4	8.50
# 111/2	7.65	15	4	8.50
# 133/64	8.00	15 1/8	5	9.00
# 117/32	8.00	15 1/8	5	9.00
# 135/64	8.50	15 1/4	5	9.50
# 19/16	8.50	15 1/4	5	9.50
# 137/64	9.00	15 3/8	5	10.00
# 119/32	9.00	15 3/8	5	10.00
# 139/64	9.45	15 1/2	5	10.50
# 15/8	9.45	15 1/2	5	10.50
# 141/64	9.90	15 5/8	5	11.00
# 121/32	9.90	15 5/8	5	11.00
# 143/64	10.35	15 3/4	5	11.50
# 111/16	10.35	15 3/4	5	11.50
# 145/64	10.80	15 7/8	5	12.00
# 123/32	10.80	15 7/8	5	12.00
# 147/64	11.25	16	7	12.50
# 13/4	11.25	16	7	12.50
# 125/32	12.00	16 1/8	7	13.25
# 113/16	12.60	16 1/4	7	14.00
# 127/32	12.95	16 3/8	7	14.75
# 17/8	13.25	16 1/2	7	15.50
# 129/32	13.65	16 1/2	7	16.25
# 115/16	15.30	16 1/2	7	17.00
# 131/32	16.00	16 3/4	7	17.75
# 2	16.75	16 3/4	7	18.50

Packing—bulk.

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Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

STRAIGHT SHANK DRILLS



KEEN KUTTER

The finest straight shank drill on the market.

- Forged from highest grade tool steel, oil tempered to proper hardness to insure better performance and more satisfactory service. Polished shanks and points. Rust-proof. Sharp cutting edge drills quicker, with less effort.

No. TB K105—FRACTIONAL SIZES

Diam., Inch.	Each	Length Over All, Inches	Weight Per Doz., Oz.	Std. List, Per Doz.
1/16	\$0.12	2 1/2	1 1/2	\$1.60
5/64	.12	2 3/4	1 1/2	1.65
3/32	.12	2 3/4	1	1.70
7/64	.12	2 7/8	1	1.75
1/8	.12	3	2	1.80
9/64	.12	3 1/8	2	1.85
5/32	.13	3 1/4	2 1/2	1.90
11/64	.13	3 3/8	3	2.00
3/16	.15	3 1/2	4	2.25
13/64	.17	3 5/8	4 1/2	2.50
7/32	.19	3 3/4	5 1/2	2.75
15/64	.21	3 7/8	6 1/2	3.00
1/4	.22	4	7 1/2	3.25
17/64	.25	4 1/8	8 1/2	3.50
9/32	.27	4 1/4	9 1/2	3.80
19/64	.29	4 3/8	11 1/2	4.00
5/16	.30	4 1/2	12 1/2	4.35
21/64	.33	4 5/8	14	4.70
11/32	.37	4 3/4	16	5.05
3/8	.43	5	20	6.00
13/32	.53	5 1/4	24	7.00
7/16	.63	5 1/2	28	8.50
15/32	.75	5 3/4	36	10.00
1/2	.90	6	40	12.00

One dozen in an envelope.



CLEVELAND

Forged from carbon steel for long performance.

TB 108—SHORT SET. FRACTIONAL SIZES

Diam., Inch.	Each	Length Over All, Inches	Weight Per Doz., Lbs.	Std. List, Per Doz.
# 1/32	\$0.10	1 1/2	1 1/8	\$1.50
# 3/64	.10	1 3/4	1 1/8	1.55
1/16	.10	2 1/2	1 1/8	1.60
5/64	.10	2 5/8	1 1/2	1.65
3/32	.10	2 3/4	1 1/2	1.70
7/64	.11	2 7/8	1 1/2	1.75
1/8	.11	3	1 1/2	1.80
9/64	.11	3 1/8	1 1/2	1.85
5/32	.12	3 1/4	1 1/2	1.90
11/64	.12	3 3/8	1 1/2	2.00
3/16	.14	3 1/2	1 1/2	2.25
13/64	.16	3 5/8	1 1/2	2.50
7/32	.18	3 3/4	1 1/2	2.75
15/64	.20	3 7/8	1 1/2	3.00
1/4	.21	4	1 1/2	3.25
17/64	.23	4 1/8	1 1/4	3.50
9/32	.25	4 1/4	1 1/4	3.80
19/64	.27	4 3/8	1 1/4	4.00
5/16	.28	4 1/2	1 1/4	4.35
21/64	.31	4 5/8	1 1/4	4.70
11/32	.35	4 3/4	1 1/4	5.05
23/64	.37	4 7/8	1 1/4	5.50
3/8	.40	5	1 1/4	6.00
25/64	.47	5 1/8	2 3/8	6.50
13/32	.50	5 1/4	2 3/8	7.00
27/64	.55	5 3/8	2 3/8	7.75
7/16	.59	5 1/2	2 3/8	8.50
29/64	.65	5 5/8	2 3/8	9.25
15/32	.70	5 3/4	2 3/8	10.00
31/64	.75	5 7/8	2 3/8	11.00
1/2	.80	6	2 3/8	12.00

Packing—bulk.

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Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

STRAIGHT SHANK DRILLS



CLEVELAND

Used by many skilled machinists.

- Forged from carbon steel for long performance. Tempered and polished.

TB 108A—WIRE GAUGE SIZES

Nos.	Each	Length Over All, Inches	Weight Per Doz., Oz.	Std. List, Per Doz.
1	\$0.19	4	6	\$2.75
2	.19	3 11/16	6	2.75
3	.19	3 11/16	6	2.75
4	.19	3 7/8	6	2.75
5	.19	3 11/16	6	2.75
6	.18	3 11/16	6	2.50
7	.18	3 3/4	6	2.50
8	.18	3 11/16	6	2.50
9	.18	3 11/16	6	2.50
10	.18	3 5/8	5	2.50
11	.15	3 11/16	5	2.25
12	.15	3 11/16	5	2.25
13	.15	3 1/2	5	2.25
14	.15	3 11/16	5	2.25
15	.15	3 5/8	5	2.25
16	.14	3 5/8	5	2.00
17	.14	3 11/16	5	2.00
18	.14	3 11/16	5	2.00
19	.14	3 1/4	5	2.00
20	.14	3 11/16	4	2.00
21	.13	3 11/16	4	1.90
22	.13	3 3/8	4	1.90
23	.13	3 11/16	4	1.90
24	.13	3 11/16	4	1.90
25	.13	3	4	1.90
26	.12	2 11/16	4	1.80
27	.12	2 11/16	4	1.80
28	.12	2 7/8	4	1.80
29	.12	2 11/16	4	1.80
30	.12	2 11/16	2	1.80
31	.12	2 3/4	2	1.75
32	.12	2 11/16	2	1.75
33	.12	2 11/16	2	1.75
34	.12	2 5/8	2	1.75
35	.12	2 11/16	2	1.75
36	.12	2 11/16	2	1.75
37	.12	2 1/2	2	1.75
38	.12	2 11/16	2	1.75
39	.12	2 11/16	2	1.75
40	.12	2 5/8	2	1.75
41	.12	2 11/16	2	1.70
42	.12	2 11/16	2	1.70
43	.12	2 1/4	2	1.70
44	.12	2 11/16	2	1.70
45	.12	2 11/16	2	1.70
46	.12	2 1/8	2	1.65
47	.12	2 11/16	2	1.65
48	.12	2 11/16	2	1.65
49	.12	2	2	1.65
50	.12	1 11/16	1	1.65
51	.12	1 11/16	1	1.60
52	.12	1 7/8	1	1.60
53	.12	1 11/16	1	1.60
54	.12	1 11/16	1	1.60
55	.12	1 3/4	1	1.60
56	.12	1 11/16	1	1.55
57	.12	1 11/16	1	1.55
58	.12	1 5/8	1	1.55
59	.12	1 11/16	1	1.55
60	.12	1 11/16	1	1.55

Packing—bulk.

STRAIGHT SHANK DRILLS

- Will fit any standard hand, breast, post or bench drill.



CLEVELAND

Used by many skilled machinists. Forged from carbon steel for long performance.

TB 110—LONG SET

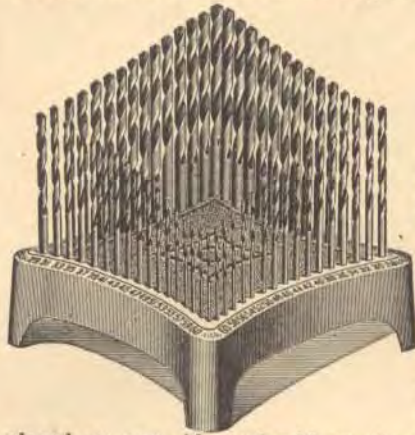
Diam., Inch.	Each	Length Over All, Inches	Weight Per Doz., Ozs.	Std. List, Each
3/16	\$0.45	5 3/4	1	\$0.50
7/32	.50	5 7/8	1	.55
1/4	.55	6 1/8	1	.60
9/32	.59	6 1/4	4 3/4	.65
5/16	.63	6 3/8	4 3/4	.70
11/32	.67	6 1/2	4 3/4	.75
3/8	.73	6 3/4	4 3/4	.80
13/32	.80	7	4 3/4	.90
7/16	.90	7 1/4	4 3/4	1.00
15/32	1.00	7 1/2	4 3/4	1.10
1/2	1.10	7 3/4	4 3/4	1.20
17/32	1.17	8	13	1.30
9/16	1.25	8 1/4	13	1.40
19/32	1.35	8 1/2	13	1.50
5/8	1.45	8 3/4	13	1.60
21/32	1.55	9	13	1.70
11/16	1.60	9 1/4	13	1.80
23/32	1.70	9 1/2	13	1.90
3/4	1.80	9 3/4	13	2.00
# 13/16	2.00	10	28	2.20
# 7/8	2.35	10 1/2	28	2.60
# 29/32	2.50	10 5/8	28	2.80
# 15/16	2.75	10 3/4	28	3.00
# 1	3.15	11	28	3.50

Packing—bulk.

STRAIGHT SHANK DRILLS

CLEVELAND—IN SETS

- Will fit any standard hand, breast, post or bench drill.
- Forged from carbon steel for long life.



SHORT SET

- Assures fast, accurate cutting and long service.

Mounted With Oxidized Copper Finish Composition Metal Stand. Will not rust. Especially useful in tool rooms and on mechanics' benches. Size of drill each hole will hold stamped in stand. Selection is made easy because even numbers are

placed on one side and odd on the other.

60 drills, steel wire gauge. Nos. 1 to 60.

TB 80—Weight per set 2 1/4 lbs.

Std. List Per Set \$14.35 Per Set \$11.75

Drills in a wood box; stand in a carton.



Here's a compact, handy set of drills to use around the home and farm. Ideal for radio repairs and minor auto work.

- Drills neatly encased in a wooden cylinder 1 3/4 x 4 3/8 inches with knurled edge nicked cap which can be rotated so that the size drill you want can be easily and quickly found. Cylinder protects drills from dust and moisture.

Set of 8 drills—each 1/16, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4 and 5/16 inches.

TB 26—Weight per set 1/2 lb.

Std. List Per Set \$1.90 Per Set \$1.50

Six sets in a carton.

FLUTED SHANK DRILLS



KEEN KUTTER

Expertly constructed for quick, easy cutting.

- For use in blacksmiths' drill presses. Drills metal or wood.

Forged from highest grade tool steel, oil tempered to proper hardness to insure better performance and more satisfactory service. Polished shanks and points. Rust-proof.

Shank length 2 1/2 inches, diameter 1/2 inch.

TB K112—FRACTIONAL SIZES

Size, Inch	Each	Length Over All, Inches	Weight Each, Oz.	Std. List, Each	Size, Inch	Each	Length Over All, Inches	Weight Each, Oz.	Std. List, Each
1/8	\$0.40	4 3/8	2 1/4	\$0.45	19/32	1.09	6	4 3/4	\$1.20
5/32	.40	4 7/8	2 1/4	.45	3/8	1.09	6	5	1.30
3/16	.45	5 5/8	2 1/2	.50	21/32	1.25	6	5 1/4	1.40
7/32	.49	5 5/8	2 1/2	.55	11/16	1.35	6	5 1/2	1.50
1/4	.55	6	2 1/2	.60	23/32	1.45	6	5 3/4	1.60
9/32	.60	6	2 3/4	.65	3/4	1.50	6	6	1.70
5/16	.63	6	2 3/4	.70	25/32	1.60	6	6 1/2	1.80
11/32	.67	6	3	.75	13/16	1.70	6	7	1.90
3/8	.72	6	3	.80	27/32	1.80	6	7 1/4	2.00
13/32	.75	6	3 1/4	.85	7/8	1.89	6	7 3/4	2.10
7/16	.80	6	3 1/2	.90	29/32	1.98	6	8	2.20
15/32	.85	6	3 3/4	.95	15/16	2.10	6	8 1/2	2.30
1/2	.90	6	4	1.00	31/32	2.15	6	9	2.40
17/32	.95	6	4	1.05	1	2.25	6	9 1/2	2.50
9/16	.98	6	4 1/2	1.10					

Individually wrapped and labeled. Twelve in a wood box.

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FLUTED SHANK DRILLS

- For use in blacksmiths' drill presses. Drills metal or wood.



CLEVELAND

Forged from carbon steel to assure long duty.
Shank length 2½ inches, diameter ½ inch.

TY 120—Fractional Sizes

Diam., Inches	Each	Length Over All, Inches	Weight Per Doz., Oz.	Std. List, Each
1/8	\$0.35	4 7/8	3 1/3	\$0.45
5/32	.37	4 7/8	4	.45
3/16	.39	5 5/8	4	.50
7/32	.45	5 5/8	4	.55
1/4	.48	6	4	.60
9/32	.52	6	4 1/2	.65
5/16	.55	6	4 1/2	.70
11/32	.60	6	4 1/2	.75
3/8	.65	6	4 1/2	.80
13/32	.69	6	5 1/4	.85
7/16	.73	6	5 1/4	.90
15/32	.77	6	5 1/4	.95
1/2	.80	6	5 1/4	1.00
17/32	.85	6	6 1/2	1.05
9/16	.89	6	6 1/2	1.10
19/32	.95	6	6 1/2	1.20
5/8	1.00	6	6 1/2	1.30
21/32	1.10	6	8	1.40
11/16	1.20	6	8	1.50
23/32	1.30	6	8	1.60
3/4	1.35	6	8	1.70
# 25/32	1.45	6	9 1/2	1.80
# 13/16	1.50	6	9 1/2	1.90
# 27/32	1.60	6	9 1/2	2.00
# 7/8	1.70	6	9 1/2	2.10
# 29/32	1.75	6	11 1/2	2.20
# 15/16	1.85	6	11 1/2	2.30
# 31/32	1.95	6	11 1/2	2.40
# 1	2.10	6	11 1/2	2.50
# 1 1/32	2.20	6	16	2.60
# 1 1/16	2.30	6	16	2.70
# 1 3/32	2.40	6	16	2.80
# 1 1/8	2.50	6	16	2.90
# 1 5/32	2.65	6	16	3.00
# 1 3/16	2.75	6	16	3.10
# 1 7/32	2.85	6	16	3.20
# 1 1/4	2.95	6	16	3.30
# 1 5/16	3.25	6	24	3.60
# 1 3/8	3.50	6	24	3.90
# 1 7/16	3.75	6	24	4.20
# 1 1/2	4.00	6	24	4.50

Packing—bulk.

BIT STOCK DRILLS

- Will fit all bit braces. Will drill steel, iron or other metals as well as wood.

KEEN KUTTER

Here's the Best Bit Stock Drill Money Can Buy

- Forged from highest grade tool steel, oil tempered to proper hardness to insure better performance and more satisfactory service. Full polished. Rust-proof finish. Sharp cutting edges drill quicker and with less effort.



No. TB K109

Diameter, Inch	Each	Length Over All, Inches	Wt. Per Doz., Lbs.	Std. List, Per Doz.
2/32	\$0.15	3 1/4	1/2	\$2.50
3/32	.17	3 1/2	1/2	2.70
4/32	.17	4	1/2	3.00
5/32	.19	4 1/4	1/2	3.50
6/32	.22	4 3/4	1/2	4.00
7/32	.24	5	7/8	4.50
8/32	.27	5 1/4	7/8	5.00
9/32	.33	5 1/2	7/8	6.00
10/32	.39	5 1/2	1 1/8	7.00
11/32	.43	6	1 1/8	8.00
12/32	.47	6	1 1/2	8.50
13/32	.55	6 1/2	1 1/2	9.25
14/32	.60	6 1/2	2 1/4	10.50
15/32	.70	7	2 1/4	11.75
16/32	.75	7	2 1/4	13.00
17/32	.80	7 1/2	4 1/4	14.25
18/32	.87	7 1/2	4 1/2	15.50
20/32	1.10	7 1/2	4 1/2	18.00
22/32	1.25	7 1/2	4 1/2	21.00
24/32	1.40	7 1/2	4 1/2	24.00

Packing: 2/32 to 1 1/32—One dozen in a carton.
1 1/8 and larger—bulk.

IN SETS

In compact varnished hardwood cylindrical box that protects drills from dirt and rust and prevents loss of drills when not in use.

Consists of 1 each: 2, 3, 4, 5, 6, 7, 8, 10, 12/32 drills.

TB K109M—Weight per set 1 1/4 lbs.
Each Set \$2.75



One set in a wood box.

Modernize Your Living Room with **SIMMONS** Furniture.
Highest Quality Materials and Workmanship Assure Years of
Continuous Comfort. New, Modern Styling and Fabrics
Will Make Your Home Most Attractive

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

BIT STOCK DRILLS



SIMMONS

Will give long satisfactory service.

* Forged from high grade tool steel, oil tempered and polished.

No. TB S109

Diameter, Inch	Each	Length Over All, Inches	Weight Per Doz., Lbs.
3/32	\$0.15	3 1/2	1 1/2
4/32	.15	4	1 1/2
5/32	.17	4 1/4	1 1/2
6/32	.20	4 3/4	1 1/2
7/32	.22	5	7/8
8/32	.25	5 1/4	7/8
9/32	.29	5 1/2	7/8
10/32	.35	5 1/2	1 1/2
12/32	.40	6	1 1/2
14/32	.55	6 1/2	2 1/4
16/32	.65	7	2 1/4
20/32	.90	7 1/2	4 1/2

Packing: 3/32 to 1 9/32—One dozen in a carton.
2 9/32—bulk.



CLEVELAND

Forged tool steel, oil tempered and polished.

No. TB 114

Diameter, Inches	Each	Length Over All, Inches	Wt. Per Doz., Lbs.	Std. List, Per Doz.
1/16	\$0.15	3 7/8	1 1/2	\$2.50
3/32	.17	4	1 1/2	2.70
1/8	.17	4	1 1/2	3.00
5/32	.19	4 1/4	1 1/2	3.50
3/16	.22	4 1/2	1 1/2	4.00
7/32	.24	4 3/4	7/8	4.50
1/4	.27	5	7/8	5.00
9/32	.33	5 1/4	7/8	6.00
5/16	.39	5 1/2	1 1/2	7.00
11/32	.43	5 3/4	1 1/2	8.00
3/8	.47	6	1 1/2	8.50
13/32	.55	6 1/4	1 1/2	9.25
7/16	.60	6 1/2	2 1/4	10.50
15/32	.70	6 3/4	2 1/4	11.75
1/2	.75	7	2 1/4	13.00
17/32	.80	7 1/4	4 1/2	14.25
9/16	.87	7 1/2	4 1/2	15.50
19/32	.95	7 1/2	4 1/2	16.75
5/8	1.10	7 1/2	4 1/2	18.00
11/16	1.25	7 1/2	4 1/2	21.00
3/4	1.40	7 1/2	4 1/2	24.00
# 13/16	1.55	7 1/2	5	27.00
# 7/8	1.70	7 1/2	5	30.00
# 15/16	1.90	7 1/2	5	33.00
# 1	2.10	7 1/2	5	36.00

Packing—bulk.

COMBINED DRILLS AND COUNTERSINKS



GREENFIELD

Carbon steel.

Included angle 60°.

Nos.	Each	Diameter Drill Body, Inches	Diameter Point, Inches	Length Over All, Inches	Std. List, Per Doz.
TB 160D1	\$0.39	1 1/16	3/16	2	3.25
TB 160E1	.45	3/10	3/16	2 1/8	3.50
TB 160E2	.45	3/10	1/8	2 1/8	3.50
TB 160F1	.55	1/8	3/16	2 3/4	4.50
TB 160F2	.55	1/8	1/8	2 3/4	4.50

One dozen in a carton; average weight each 1/4 ounce to 1 1/4 ounces.

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STEEL SLEEVES



CLEVELAND

For taper shank drills.

* Designed to prevent battering or upsetting of corners of drill tangs. Bevel in upper surface of drift-slot gives wedge-shaped drift flat bearing surfaces above and below, without lessening driving powers of tang by having to bevel it. Insures increased efficiency and least possible wear.

Nos.	Each	No. of Hole and Outside Fitting	Skt. No.	Weight Each, Lbs.	Std. List, Each
TB 104/1-2	\$0.79	1	2	1 1/2	\$1.80
TB 104/1-3	.98	1	3	1 1/2	2.40
TB 104/2-3	.98	2	3	1 1/2	2.40
TB 104/2-4	1.29	2	4	1 1/2	3.00
TB 104/3-4	1.29	3	4	1	3.00
TB 104/3-5	3.29	3	5	1	4.40
TB 104/4-5	3.29	4	5	1 1/4	4.40

Packing—bulk.

DRILL CHUCKS

JACOBS—PLAIN BEARING

IMPROVED TYPE



Medium duty model. For machine use and all portable tools.

For tapered arbors and spindles.

Light in weight, well balanced and durable. Easy operation provides easy tightening and release without rotating spindle.

Hardened steel body. All parts accurately machined and milled. Practically unbreakable. Complete with key.

Nos.	Std. List and Retail Price, Each	Cap., In.	Taper Hole	Lgth., In.	Dia., In.
TY 7	\$4.50	0 to 1/4	2	2 7/8	1 1/4
TY 30	5.50	0 to 3/8	2	2 3/8	1 1/8
TY 32	5.50	0 to 3/8	2	2 7/8	1 3/4
TY 34	7.50	0 to 1/2	6	3 1/8	2 1/8

Approximate weight each 1/2 to 1 1/4 lbs.

EXTRA KEYS FOR JACOBS DRILL CHUCKS

Nos.	Each	For Chuck, Nos.	Std. List, Each
TY 7K	\$0.30	TY 7	\$0.30
TY 30K	.40	TY 30	.40
TY 32K	.40	TY 32	.40
TY 34K	.50	TY 34	.50

Weight 1/8 lb.

One in a box.

EXPERIENCED HOUSEWIVES

Go for

Polly Prim

KITCHENWARE

HAND REAMERS

GREENFIELD

Precision Built of Highest Grade

For producing smooth, accurate finished holes to a pre-determined size, removing but a few thousandths of metal at a cut.

Highest grade carbon steel, correctly hardened.



Nos.	Each	Diam., In.	Lgth. Flute, In.	Lgth. Over All, In.	Wt. Each, Ozs.	Std. List, Each
TY 400 ³ / ₁₆	\$1.20	³ / ₁₆	1 ³ / ₄	3 ¹ / ₂	1	\$1.20
TY 400 ⁷ / ₃₂	1.40	⁷ / ₃₂	1 ⁷ / ₈	3 ³ / ₄	1	1.40
TY 400 ¹ / ₄	1.40	¹ / ₄	2	4	1	1.40
TY 400 ⁹ / ₃₂	1.50	⁹ / ₃₂	2 ¹ / ₈	4 ¹ / ₄	1 ¹ / ₄	1.50
TY 400 ⁵ / ₁₆	1.50	⁵ / ₁₆	2 ¹ / ₄	4 ¹ / ₂	1 ¹ / ₂	1.50
TY 400 ¹¹ / ₃₂	1.60	¹¹ / ₃₂	2 ³ / ₈	4 ³ / ₄	1 ³ / ₄	1.60
TY 400 ³ / ₈	1.60	³ / ₈	2 ¹ / ₂	5	2 ³ / ₄	1.60
TY 400 ¹³ / ₃₂	1.75	¹³ / ₃₂	2 ⁵ / ₈	5 ¹ / ₄	3	1.75
TY 400 ⁷ / ₁₆	1.75	⁷ / ₁₆	2 ³ / ₄	5 ¹ / ₂	3 ¹ / ₄	1.75
TY 400 ¹⁵ / ₃₂	1.90	¹⁵ / ₃₂	2 ⁷ / ₈	5 ³ / ₄	3 ¹ / ₂	1.90
TY 400 ¹ / ₂	1.90	¹ / ₂	3	6	4	1.90
TY 400 ¹⁷ / ₃₂	2.00	¹⁷ / ₃₂	3 ¹ / ₈	6 ¹ / ₄	5	2.00
TY 400 ⁹ / ₁₆	2.00	⁹ / ₁₆	3 ¹ / ₄	6 ¹ / ₂	7	2.00
TY 400 ¹⁹ / ₃₂	2.20	¹⁹ / ₃₂	3 ³ / ₈	6 ³ / ₄	8	2.20
TY 400 ⁵ / ₈	2.20	⁵ / ₈	3 ¹ / ₂	7	9	2.20
TY 400 ²¹ / ₃₂	2.40	²¹ / ₃₂	3 ¹ / ₂	7 ³ / ₈	10	2.40
TY 400 ¹¹ / ₁₆	2.40	¹¹ / ₁₆	3 ⁷ / ₈	7 ³ / ₄	12	2.40
TY 400 ²³ / ₃₂	2.60	²³ / ₃₂	4 ¹ / ₈	8 ¹ / ₈	13	2.60
TY 400 ³ / ₄	2.60	³ / ₄	4 ³ / ₈	8 ³ / ₈	15	2.60
TY 400 ¹³ / ₁₆	2.80	¹³ / ₁₆	4 ¹ / ₄	9 ¹ / ₄	16	2.80
TY 400 ⁷ / ₈	3.10	⁷ / ₈	4 ⁷ / ₈	9 ³ / ₄	23	3.10
TY 4001	3.70	1	5 ¹ / ₄	10 ³ / ₄	34	3.70

Packing—bulk.

BIT STOCK REAMERS

KEEN KUTTER—Fluted

- Forged from highest grade tool steel, oil tempered. Straw color finish.



Length flute 4³/₈ inches. Length over all 6¹/₄ inches.
Cuts from ¹/₈ to ¹/₂ inch.

TB K116—Weight each 2¹/₂ ounces.....Each \$0.85

Twelve in a carton.



Length flute 3¹/₂ inches. Length over all 5¹/₄ inches.
Cuts from ³/₈ to ⁷/₈ inch.

TB K126—Weight each 4 ounces.....Each \$1.25

Six in a carton.

Nos.	Each	Length, Inches	Width Top, Inches	Height, Inches	Size Hardie Hole, Inch	Weight Each, Lbs.
TB 6V	\$11.50	17 ¹ / ₂	3 ¹ / ₄	7 ¹ / ₄	⁵ / ₈	60
TB 8V	13.50	19 ¹ / ₄	3 ¹ / ₄	8 ³ / ₈	³ / ₄	80
TB 10V	15.50	20 ¹ / ₄	3 ¹ / ₂	9 ¹ / ₂	⁷ / ₈	100
*TB 12V	17.95	20 ³ / ₄	3 ³ / ₄	10 ¹ / ₂	1	120
*TB 15V	23.50	22 ⁵ / ₈	4	11 ¹ / ₄	1	150

Packing—bulk.

* Goods marked thus (*) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SPIRAL FLUTED BURRING REAMERS



For Pipe and for Countersinking.

With Bit Brace Square Shank

- Designed especially for removing burrs caused by cutting pipe.
- Ideal for countersinking and enlarging holes in sheet metal.
- Forged from finest tool steel for long duty. Special flutes will not clog, chip or crack.

Length flute 2³/₈ inches. Length over all 4⁷/₈ inches. Size, at point ¹/₈ inch, at large end 1¹/₂ inches.

Capacity pipe ¹/₄ to 1¹/₄ inches.

TR 242¹/₂—Weight each 2 lbs.

Std. List, Each \$1.50 Each \$1.50

Packing—bulk.

RATCHET PIPE REAMERS



TOLEDO

- Here's a high grade quality reamer at a low price.
- High speed steel cutter blades cast solidly in head. Easily resharpened when dull.
- Blades ground with proper clearance for each pipe size, assuring easier cutting.

Polished steel handle 11¹/₄ inches long, 1 inch in diameter. Black enameled iron head.

Capacity ³/₈ to 3 inches. Length over all 16¹/₄ inches.

TY R382—Weight each 8 lbs.

Std. List, Each \$5.60 Each \$7.95

Packing—bulk.

ANVILS



With Solid One-Piece Tool Steel Face

Thoroughly serviceable for machine shops, farms, garages, general repair shops and industrial plant repair shops.

Gray cast-iron body with tool steel face correctly tempered, accurately ground and highly polished—thoroughly welded to body. Horn covered with, and its extremity entirely made of tough untempered steel — assuring greater strength and longer life.

POST DRILLS

- Ideal for general use around shop or farm. Meets requirements of every skilled mechanic. Precision built for a long life of full service. Insures accurate drilling, reaming and countersinking in plates, angles, girders, castings, etc. Ball-bearing construction provides free-action working parts. Takes straight shank drill bits. Adjustable round table, slotted. Securely bolted to strong natural finish hardwood upright.

BUFFALO

Simple to operate. Rigid and durable design, careful attention being given to distribution of metal along lines of greatest strain. Firmly bolted to natural finish hardwood upright. Ball-bearing spindle assures easy action. Painted cast-iron frames, gears, feed wheel, fly wheel and table. Sturdy steel shafts, axles, chucks and cranks.



Ball Bearing, With Double Geared Self-Feed

Feed has 2¼-inch run. Will drill holes up to one inch, to center of 12-inch circle. Chuck fitted for drills with ½-inch straight shank. Diameters, inches: shaft 1¼, chuck 1¼, table 7, feed wheel 5, drive wheel 6, fly wheel 12. Crank length 14 inches. Upright: length 30 inches, width 4½ inches, thickness 1¼ inches. Height over all 36 inches. Run of table 10 inches.

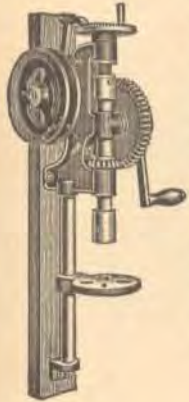
TY 151—Weight each
65 lbs. Each \$14.45

Ball Bearing—Hand and Automatic Feed—Single Speed

Designed and built to provide a practical, sturdy, accurate small drill at a reasonable price. Operating crank adjustable for heavy drilling, has smooth wood grip. Adjustable table. Fly wheel grooved for V or 1¼-inch flat belt.

Feed has 1½-inch run. Will drill holes up to ½ inch, to center of 7-inch circle. Chuck fitted for drills with ½-inch straight shank. Diameters, inches: shaft ¾, chuck 1¾, table 4½, feed wheel 4, fly wheel 6¼. Crank length 13 inches. Upright: length 26 inches, width 2¾ inches, thickness 1¾ inches. Height over all 26 inches. Run of table 8 inches.

TR 50—Weight each
27 lbs. Each \$5.95



CHAMPION

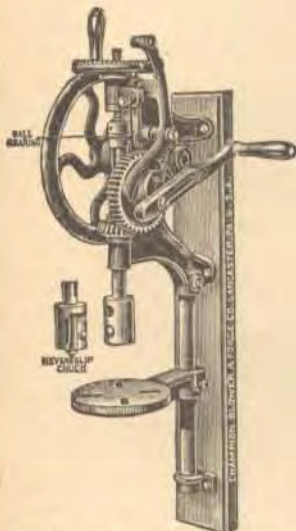
Ball Bearing; Automatic Feed Adjustable to 4 Speeds and Hand Feed

Back-geared, self-feed. Highest grade lathe-turned tool steel spindle with end-thrust ball bearings, saves 50% in power. Adjustable crank has smooth wood grip. All parts machine-jigged and interchangeable. Painted cast-iron frames, gears, feed wheel, fly wheel crank and table.

Feed has 3-inch run. Will drill holes up to ¾ inch, to center of 12-inch circle. Champion Never Slip chuck fitted for drills with ½-inch straight shank. Diameters, inches: shaft ¾, chuck 2, table 6, feed wheel 5¼, drive wheel 5¼, fly wheel 12. Crank length 9¼

inches. Upright: length 29 inches, width 4½ inches, thickness 1¼ inches. Run of table 8¾ inches. Height over all 31 inches.

TR 146—Weight each 60 lbs. Each \$10.45



One in a crate.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

PORTABLE FORGES

KLICKER

Ideal for light or heavy duty work.

- Heavy one-piece drawn steel bowl. Perfectly formed pressed sheet steel hood or shield. Three steel legs securely braced at center.
- Easy-action hand crank type blower. Oil- and dust-proof one-piece sheet steel case 7½ inches in diameter.
- Steel spur gears throughout with gear ratio of 36 to 1.
- Straight blade pressed steel fan powerful enough to provide high pressure white heat blast with little effort.



With Wind Guard

Height over all 42 inches, to top of bowl 30 inches.

Diameter of bowl 18 inches.

TY 100K—Weight each
48 lbs. Each \$9.95



With Half Hood

Height over all 49 inches, to top of bowl 33 inches.

Diameter of bowl 18 inches.

TY 161K—Weight each
52 lbs. Each \$12.50

One in a crate.



COLD CHISELS

Silicon manganese alloy steel.

Nos.	Each	Size of Square at Eye, Inches	Cutting Edge, Inches	Length, Inches	Wt. Each, Lbs.
TB 12901 1/4	\$1.10	1 1/4	1 1/4	6 1/2	2
TB 12901 3/8	1.19	1 3/8	1 3/8	6 3/4	2 1/2
TB 12901 1/2	1.39	1 1/2	1 1/2	7	3



HOT CHISELS

Carbon tool steel.

Nos.	Each	Size of Square at Eye, Inches	Cutting Edge, Inches	Length, Inches	Wt. Each, Lbs.
TB 13001 1/4	\$1.10	1 1/4	1 5/8	7 3/4	2
TB 13001 3/8	1.19	1 3/8	1 3/4	7 3/4	2 1/2
TB 13001 1/2	1.39	1 1/2	2	8 1/4	3

Packing—bulk.



REGULAR HARDIES

Carbon tool steel.

Nos.	Each	Size of Shank, Inches	Width Bit, Inches	Length, Inches	Wt. Each, Lbs.
TB 1310 $\frac{5}{8}$	\$0.65	$\frac{5}{8}$	1 $\frac{5}{8}$	6 $\frac{1}{8}$	1
TB 1310 $\frac{3}{4}$	.75	$\frac{3}{4}$	1 $\frac{7}{8}$	6 $\frac{3}{8}$	1 $\frac{1}{4}$
TB 1310 $\frac{7}{8}$	.85	$\frac{7}{8}$	2	6 $\frac{1}{2}$	1 $\frac{3}{4}$
TB 13101	.95	1	2 $\frac{1}{4}$	6 $\frac{3}{4}$	2

Packing—bulk.

BLACKSMITHS' TONGS STANLEY—ATHA—HORSESHOE BRAND



Straight Lip

"V" notch in each jaw—firmly hold square or round work.

Nos.	Each	Size Square, Inches	Length, Inches	Weight Each, Lbs.
TB 11C	\$1.19	$\frac{3}{8}$	20	2 $\frac{7}{8}$
TB 11D	1.19	$\frac{1}{2}$	20	2 $\frac{7}{8}$
TB 11E	1.30	$\frac{5}{8}$	22	3
TB 11G	1.39	$\frac{7}{8}$	22	3 $\frac{1}{4}$



Curved Lip—Fluted Jaws

For holding bolts or other round stock. Opening between jaws and hinge sufficient for bolt head.

Nos.	Each	Holds Rounds, Inches	Length, Inches	Weight Each, Lbs.
TB 12C	\$1.30	$\frac{3}{8}$	20	2 $\frac{7}{8}$
TB 12D	1.35	$\frac{1}{2}$	20	2 $\frac{7}{8}$
TB 12E	1.49	$\frac{5}{8}$	22	3
TB 12F	1.59	$\frac{3}{4}$	22	3
TB 12G	1.65	$\frac{7}{8}$	24	3 $\frac{1}{4}$

These tools are used mainly in connection with anvils. The quality and finish are unexcelled and entirely distinctive. All are attractively finished, with faces or bits polished.



REGULAR—WITH STRAIGHT LIPS

For holding thin flat work. Provides firm, secure grip. Easy action.

Solid wrought steel drop forged, oil finished.

TB 10—Length 20 inches. Weight per dozen

34 lbs. Each \$1.10

Packing—bulk.

Buy and Try Anything with the
KEEN KUTTER
TRADEMARK
on it
You'll Be More Than Pleased

BOLT CLIPPERS

NEW EASY—SWIVEL HEAD

Compound leverage assures easier clipping!



Highest quality materials and workmanship throughout. Japanned malleable iron compound lever handles with socket joints. Detachable drop forged, oil tempered steel cutting jaws clip smoothly, quickly.

High test special alloy steel swivel ball. Ball and socket joints and a positioning spring hold cutter head rigid in any position you want up to 90° either side of tool axis. It will cut easily in positions ordinarily inaccessible. It is also a more convenient tool to use in all usual positions.

Clipper cut jaws are beveled almost entirely from one side for close cutting. Withstands rough usage. By swiveling the head to a right angle, tool can be carried over shoulder—leaving the hands free to hold other tools, or to climb a pole or ladder. Can be stood upright on shop floor for quick use.

Nos.	Each	Length, Inches	Cuts Bolts up to, Inch	Cuts Soft Rods up to, Inch	Weight Each, Lbs.
TB 0SH	\$6.50	19	$\frac{3}{8}$	$\frac{1}{4}$	4
TB 1SH	7.95	25	$\frac{3}{8}$	$\frac{3}{8}$	6 $\frac{1}{4}$
TB 2SH	9.95	31	$\frac{1}{2}$	$\frac{3}{8}$	9 $\frac{3}{4}$

Packing—bulk.

PORTER'S NEW EASY



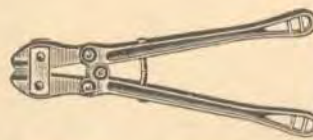
Compound Leverage for Clipping with Minimum Effort!

Highest quality materials and workmanship throughout. Japanned malleable iron compound lever handles with socket joints. Rubber bumpers between handles. Detachable drop forged, tempered oil finish steel cutting jaws provide clean, quick clipping.

Nos.	Each	Length, Inches	Cuts Bolts up to, Inch	Weight Each, Lbs.
TB 1NE	\$5.75	24 $\frac{1}{2}$	$\frac{3}{8}$	5 $\frac{3}{4}$
TB 2NE	7.45	30	$\frac{1}{2}$	8 $\frac{3}{4}$
TB 3NE	9.95	36	$\frac{5}{8}$	11 $\frac{1}{2}$

EXTRA JAWS FOR "NEW EASY PATTERN" BOLT CLIPPERS

Nos.	Each	Weight Per Pair, Lbs.
TB 1NEJ	\$2.95	1 $\frac{1}{2}$
TB 2NEJ	3.75	2
TB 3NEJ	4.75	3



Compound Leverage for Easy Cutting!

Japanned malleable iron compound lever handles with steel pin bumper. Sharp-snipping cast steel cutting jaws, tempered oil finish.

TB 12—Cuts bolts up to $\frac{1}{4}$ inch. Length 12 inches. Weight each 1 $\frac{1}{2}$ lbs. Each \$2.75

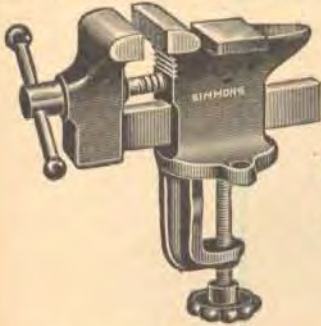
Packing—bulk.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

VICES

SIMMONS LEADER

Firm-gripping and built for reliable service. Heavy cast-iron, red enameled, with polished jaws and top of anvil. Hardened jaws with milled pipe jaws. Polished steel free-action screw and sliding handle.



STATIONARY CLAMP BASE

Easily clamped to bench or table.

Width jaws 2½ inches, jaws open 2½ inches.

TB SAA11—Weight each 6 lbs. Std. List Each \$1.39Each \$1.39

SWIVEL BASE

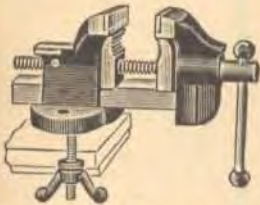
Vise swivels on base and can be locked quickly by lever.

Width jaws 3½ inches. Jaws open 4 inches.

TB SAA12—
Wt. each 11¼ lbs. Std. List Each \$2.19.
Each \$2.19



One in a carton.



KLICKER COMBINATION PIPE SWIVEL BASE

Operates Easily—
Holds Securely!

Strong, rugged cast-iron frame green enameled. Oil tempered and drawn crucible steel jaw facings, deeply corrugated for

firm, non-slip grip. Renewable back jaw nut. Smooth-working, polished cold rolled steel screw and handle. Wrought steel sliding bar. Removable pipe jaws to hold pipe from ¼ to 1¼ inches. Furnished with swivel thread bolt, washer and wing nut for fastening to bench.

Jaws 3 inches wide. Jaws open 3½ inches. Length closed 11½ inches.

TB 352K—Weight each 13 lbs.....Each \$3.49

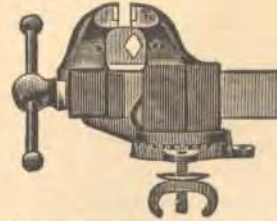
One in a fibre box.

The
KEEN KUTTER
FOOD CHOPPER
is an up to date
KITCHEN AID

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

REED

• Extra-heavy cast-iron frame. Japanned finish. Polished jaws and sliding bar. High grade hardened tool steel jaw facings securely welded to frame—all parts finished to limit gauges and are interchangeable. Special tool steel screw are milled and fitted into milled malleable iron nut in body to insure long wear. Natural finish steel handle.

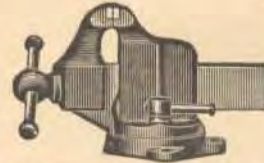


COMBINATION PIPE SWIVEL BASE

Designed for severe service. Reinforced where strain is greatest. Jaws milled from solid tool steel bars, oil tempered. Swivel base fitted with lugs and can be securely bolted to bench instead of being screwed down.

Jaws 4½ inches wide. Jaws open 5 inches. Holds pipe ¼ to 3½ inches. Length closed 20 inches.

TB 32—Weight each 72 lbs.....Each \$28.75



MACHINISTS' SWIVEL BASE

Body rotates on milled column. Rotation stops automatically when jaws are tightened. Clamping bolt works in V-shaped channel assuring positive, non-slip grip. Jaws 4

inches wide. Jaws open 6 inches. Length closed 18 inches.

TB 204—Weight each 49 lbs.....Each \$21.75

Packing—bulk.

AMERICAN COMBINATION MACHINISTS' AND PIPE VISE

FULL SWIVEL BASE

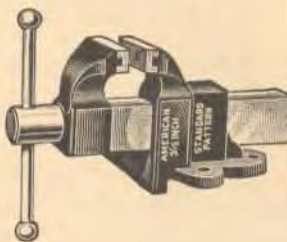
Can be locked securely in any position.

Semi-steel body and base, dull black finish. Vise and pipe jaws are high grade crucible steel, carefully milled and tempered. Cold rolled steel handle and screw with square machine cut threads. Malleable nut.

Jaws 3½ inches wide. Jaws open 4 inches. Holds pipe ¼ to 2 inches. Length closed 16 inches.

TB A22—Weight each 42 lbs.....Each \$19.95

MACHINISTS' STATIONARY BASE



Semi-steel body reinforced at all points of strain. Sliding jaw milled on 4 sides to accurately fit broached hole in base. Gripping jaws milled, tongued and grooved and fitted with heavy removable crucible tool steel plates . . . heat-treated and knurled. Cold rolled screw and sliding handle. Polished jaw plates, sliding bar, sliding handle and screw head. Other parts dark gray enameled.

Nos.	Each	Width Jaws, Inches	Jaws Open, Inches	Length Closed, Inches	Weight Each, Lbs.
TB A4	\$12.85	4	6	15	34
TB A5	19.95	5	7	18½	60

One in a box.

VICES

• Ideal for every workshop and home.

NEW PRENTISS "BULL DOG"

Patent Detachable and Interchangeable Alloy Steel Jaw Faces

- Scientifically designed to distribute the metal for greatest possible strength and convenient use. Each size exactly proportioned in every dimension—smallest to largest relatively identical.
- Finished to close tolerances, making accurate fit on all working parts . . . all parts interchangeable.
- Guaranteed against defects in workmanship or material. Built for utmost efficiency, long life.

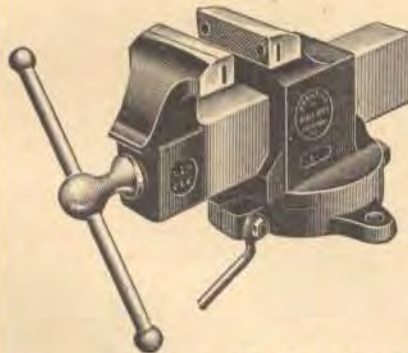
Precision Construction

Semi-steel body, base and sliding bar. Main screw one-piece cold rolled steel with forged head. Cold rolled sliding handle with forged ball ends. Frame and base black enameled. Other parts bright finish.



**STATIONARY
BASE—
SOLID JAW**

Nos.	Each	Width Jaws, Inches	Jaws Open, Inches	Length Closed, Inches	Weight Each, Lbs.
TB 513	\$14.75	3½	5	15¾	23
TB 514	16.45	4	6	17¼	42
TB 515	19.95	4½	7	19	55
TB 516	25.95	5	8	20¾	72



**SWIVEL BASE—
SOLID JAW**

New swivel base is a split ring squeezed against hub on body. Has great holding power and free action. Operates easily—a quarter turn on lever will let vise rotate freely through 360 degrees . . . or tighten immovably.

Nos.	Each	Width Jaws, Inches	Jaws Open, Inches	Length Closed, Inches	Weight Each, Lbs.
TB 524	\$21.75	4	6	17¼	52
TB 525	25.75	4½	7	19	65
TB 526	38.75	5	8	20½	85

One in a carton.

COMBINED ANVIL AND VISES

KLICKER

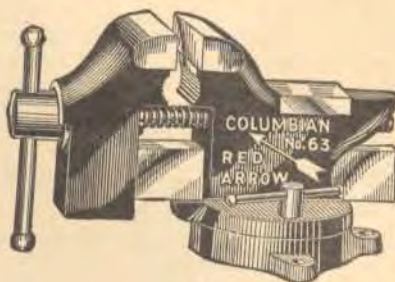


Here's a useful tool for every workshop! Vise grips work securely. Smooth-face anvil handy for flattening, forging, shaping. Hardened face and jaws. Sliding steel lever handle. Parallel and pipe jaws. Jaws 3 inches wide, open 4½ inches. Face of anvil 3x7 inches.
TB 3AK—Weight each 24 lbs. Each \$4.59

Packing—bulk.

COLUMBIAN RED ARROW—HOMESHOP

- Strong balanced cast-iron frame and heavy steel beam. Well supported anvil back jaw. Wide polished jaws. Heavy built-in pipe jaws. Cold rolled steel screw. Slip-proof screw collar. Forged ball ends on handle. Red enameled finish.

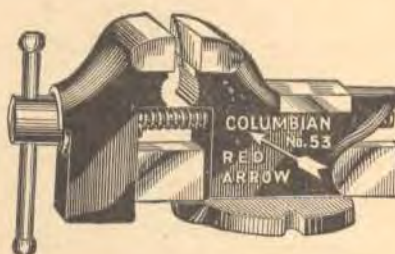


SWIVEL BASE

Swivel lock nut has adjustable handle for drawing lock bolt to any desired tightness.

Nos.	Each	Width Jaws, Inches	Jaws Open, Inches	Holds Pipe, Inches	Weight Each, Lbs.
TB 63	\$1.95	3	3	¼ to 1¼	11
TB 63½	2.59	3½	3½	¼ to 1½	13

One in a carton; six in a case.

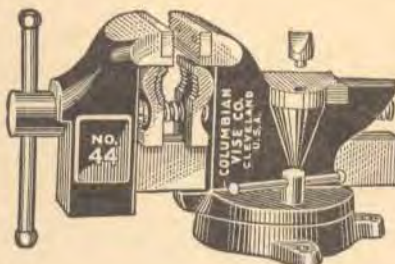


**STATIONARY
BASE**

Width jaws 3 inches. Jaws open 3 inches. Holds pipe ¼ to 1¼ inches. Length closed 10 inches.

TB 53 — Weight each 9½ lbs. Each \$1.79

Packing—bulk.



**COLUMBIAN
SWIVEL BASE**

Red enameled with polished metal jaws and anvil. Properly designed and balanced castings of close-grained gray iron. Heavy steel sliding bar cast into front jaw for extra support and strength.

Replaceable steel jaw faces—correct hardness and strength from heat-treating. Removable pipe jaws—designed with interlocking grip to hold smallest rounds. Hardened steel cut-off tool. Cone-shaped side anvil. Large anvil horn and support. Cold rolled steel screw and handle. Ball ends forged from handle stock itself. Positive locked collar cannot slip from screw under pressure. Swivel lock nut with adjustable handle. Lock bolt can always be drawn tight.

Nos.	TB 43	TB 43½	TB 44
Width Jaws, Inches	3	3½	4
Jaws Open, Inches	3½	4	4½
Holds Pipe, Inches	0 to 1¼	0 to 1½	0 to 2
Length Closed, Inches	10	11	12½
Weight Each, Lbs.	14	17	28
Each	\$2.95	3.69	6.59

One in a box.

Retail prices quoted above are those found to be prevailing in the St. Louis area, Freight to destination should be added.

VISES

LUTHER WONDER ASSORTMENT

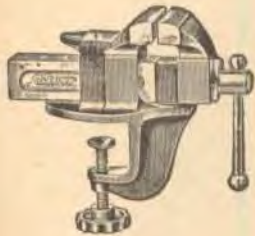
• Cast from special mixture of iron with unusually high tensile strength—tough, rugged, stands greater strain. Expertly constructed and accurately machined. Attractively finished in smooth enamel. Oversize jaws.



WARREN CUB

Two cold rolled steel guides. Accurately cut one-piece screw with cross bar. Anvil on stationary jaw. Attractive green baked enamel finish. Polished jaws.

Nos.	Each	Width Jaws, Inches	Jaws Open, Inches	Weight Each, Lbs.
V 22½	\$1.35	2½	2¾	4¼
V 23	1.95	3	3½	7



MIDDLEWEIGHT

Special panel-type, movable, milled slide jaw. Large malleable guide nut. One-piece machine-cut steel feed screw. Anvil on stationary jaw. Heavy square threads. Polished jaws. Glossy dark green baked enamel finish, orange striped jaw sides.

Nos.	Each	Width Jaws, Inches	Jaws Open, Inches	Weight Each, Lbs.
V 72	\$1.95	2	2⅞	4¼
V 72½	2.49	2	2¼	6½
V 73	3.19	3	3	9



CHAMPION—SWIVEL BASE

Same general description as Middleweight except heavier and stronger. Swivels and locks at any angle. Complete with removable hardened malleable iron pipe jaws.

V 73½P—Width jaws 3½ inches, open 3 inches. Weight 14 lbs. Each \$4.19

With each deal is included free 1 No. V 22½ vise and display stand (See No. L 32 assortment) and cards.

Assortment Contains:

- 2 Warren Cub Vises—1 each Nos. V 22½ and V 23.
- 3 Luther Middleweight Vises—1 each Nos. V 72, V 72½ and V 73.
- 1 Luther Champion Vise No. V 73½P.
- 1 Warren Cub Vise No. V 22½—free.
- 1 Display Stand and Cards—free.

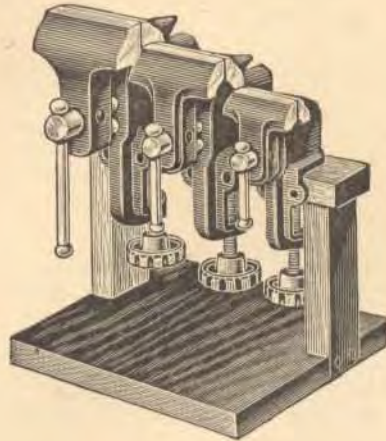
TB 17—Weight per assortment 60 lbs.

One assortment in a case.

SOLD ONLY IN FULL ASSORTMENTS

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

LUTHER SAMPLER ASSORTMENT



• Made for light-duty work but ruggedly constructed and accurately machined. Two cold rolled steel guides. Close grain cast-iron oversize jaws, handy anvil on stationary jaw. Accurately cut one-piece feed screw with cross bar. Portable, adjustable clamp screw and bolt holes provide temporary or permanent mounting. Green baked enamel finish, polished jaws.

Complete with attractive wood display stand.

Assortment consists of 1 each:

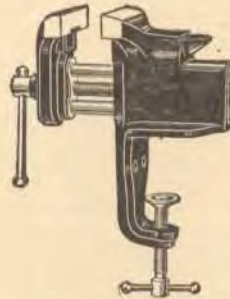
Nos.	Each
V 22—Jaws 2 inches wide, open 1⅞ inches.....	\$1.19
V 22½—Jaws 2½ inches wide, open 2¾ inches....	1.35
V 23—Jaws 3 inches wide, open 3½ inches.....	1.95

TB L32—Weight per assortment 17 lbs.

One assortment in a carton.

SOLD ONLY IN FULL ASSORTMENTS

DEFIANCE—BENCH



- Handy for wood and moderately heavy metal work. Sturdily built, attractively finished.
- Red enameled cast frame and front section. Polished jaws. Machine-cut feed screw with two polished steel supporting rods.
- Anti-slack spring on rods and screw takes up all play in jaws.
- Fastening clamp opens from ½ to 2⅞ inches. Pockets under regular jaws for detachable pipe jaws to hold round work open 2¼ inches.

(pipe jaws not included). Jaws 2½ inches wide. Jaws open 2¼ inches.

All steel parts polished.

TY 1209—Weight each 3½ lbs.....Each \$0.98

One in a carton.

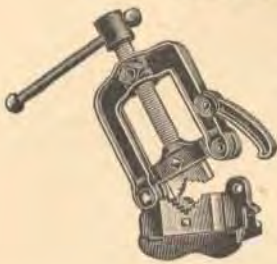
Polly Prim

KITCHEN ACCESSORIES

Make Housework Lighter
and Easier

PIPE VISES

Holds Round Work Tight



Malleable iron frame and base, japanned finish. Polished steel sliding handle and screw. Hardened jaws with milled teeth.

Two lower jaws stationary. One upper jaw movable. Malleable iron latch holds frame rigid when closed.

Frame hinged on one side for easy insertion of pipe. Holes in base for screwing to bench, wall or pillar.

Nos.	TB 0E	TB 1E	TB 3E
For Pipe, Inches	1/8 to 1 1/4	1/8 to 2	1/8 to 2 1/2
Height Over All, Inches	7 3/8	9 1/4	11
Length Sliding Handle, Inches	5	6	8 3/4
Size Base, Inches	3 5/8 x 4 5/8	4 1/4 x 5 3/8	4 1/2 x 6 1/2
Weight Each, Lbs. Each	4 \$2.79	5 1/4 5.00	8 3/4 5.50



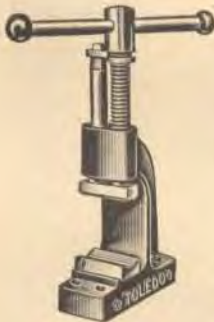
Malleable iron base, frame, hook and upper jaw guides, black enameled finish. Machine milled tool steel jaws.

Solid cold rolled steel screw and cross arm. Hook holds frame rigid when closed.

Frame hinged on one side for easy insertion of pipe. Holes in base for screwing to bench, wall or pillar.

Nos.	TB 100	TB 200	TB 300
For Pipe, Inches	1/8 to 1 1/4	1/8 to 2	1/8 to 2 1/2
Height Over All, Inches	7	8	9
Length Sliding Handle, Inches	5 3/4	5 3/4	8
Size Base, Inches	4x5	4x5	6 1/2 x 5
Weight Each, Lbs. Each	4 \$1.45	5 2.00	9 1/2 2.98

Packing—bulk.



TOLEDO—OPEN SIDE

• It's practical and convenient. All you do is slip pipe in open side and tighten down jaws—eliminates need of unlatching and tipping back a yoke in order to insert long lengths of pipe.

• Expertly built of high quality materials. You can set jaws easier because the handles are extra long. Ideal for brass, copper pipe and fitting make-up work.

Extra heavy malleable iron frame. Upper and lower jaws are heat-treated steel—they are full overlapping and will hold all pipe perfectly. Jaw construction permits

working close to the face of the vise. Jaws easily replaced when dull.

Nos.	Each	Length			Cross Handle, Ins.	Wt. Each, Lbs.	Std. List, Each
		Cap., Ins.	Jaws, Ins.	Ht., Ins.			
TB 0	\$3.60	1/8 to 2 1/2	2 1/2	11 1/4	11	12	\$3.60
TB 3	8.40	1/8 to 4 1/2	3 1/4	14	12	27	8.40

One in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

BLACKSMITHS VISES

SOLID BOX

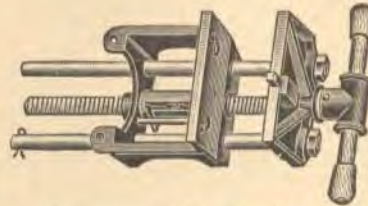


Forged steel body, jaws and hinge plate, japanned finish, japanned malleable box. Malleable iron bench plate. Polished steel screw and sliding lever handle. Steel spring between jaws.

Nos.	Each	Width Jaws, Inches	Jaws Open, Inches	Height, Inches	Weight Each, Lbs.
TY 35	\$5.95	3 3/4	3 3/4	40	35
TY 50	7.59	4 1/2	4 1/2	41	50
TY 70	12.75	5 1/4	5 1/4	41	70

Packing—bulk.

WOODWORKERS' VISES



WILCOX—RAPID ACTING

• Nut released and completely disengaged when pressure on work is removed by slight reverse movement of handle—vise can be moved backward or forward without

using screw. No stripping or cutting of threads.

When pressure is applied, nut engages and locks on screw more firmly—nut not held in position by any external mechanism. Screw cut with single thread, 4 to an inch, with sharp pitch.

Designed to set flush with bench. Steel screw works smoothly between two cold rolled steel slide guides. Phosphor bronze nut engages entire circumference of screw and operates full length. No pawls, racks or triggers to break or wear.

Jaws are best grade gray iron—working surfaces ground and finished. Front jaw fitted with brass stop. Polished hardwood sliding handle.

Nos.	Each	Width Jaws, Inches	Depth Jaws, Inches	Jaws Open, Inches	Diam. Screw, Inches	Wt. Each, Lbs.
TB 430S1	\$10.95	7	4	10	1	29 1/2
TB 430S2	12.75	10	5	12	1	39 1/2

No Home Kit Complete Without One!



This useful vise gives the carpenter or any man who is handy with tools an extra pair of hands to hold his work! Fastens to anything from 3/8 to 2 1/4 inches thick—will hold work in almost any position.

Sturdy, compact construction. Malleable iron, black enameled. Jaws ground smooth and square. Screw holes in each jaw permit fastening in wooden jaws if necessary. Fine tool steel

screws and lever handles. Heavy steel guide keeps jaws aligned. Spread of jaws 3 inches. Length of jaws 5 inches.

TB 555—Weight each 4 1/2 lbs. Each \$1.98

Packing—bulk.

BENCH SCREWS



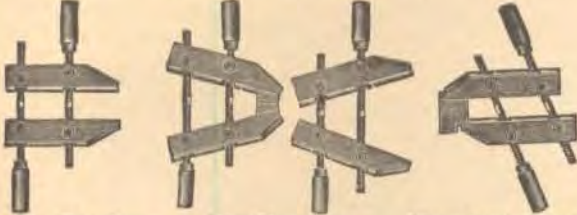
- Handy for making bench vise.

WROUGHT IRON— JAPANNED DOUBLE THREAD

Plain finish hickory handle. Bar 12 inches long. Diameter screw $1\frac{1}{4}$ inches. Length from inside of collar to screw end 13 inches. Length over all 16 inches.

TB W1 $\frac{1}{8}$ —Weight per dozen 81 lbs.....Each \$1.19
One dozen in a wood box.

HAND SCREWS



As Regular
Hand Screw

Positions for
Beveled Work

One Jaw Over-
lapping Other

ADJUSTABLE

Seasoned maple jaws and steel spindles. Jaws adjustable to any angle and position. Spindles have right and left-hand threads, insuring rapid adjustment. Spindles work in steel sockets. Length of jaws 12 inches. Jaws open 8 inches apart.

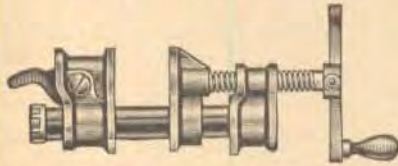
TB J2—Weight per dozen 50 lbs.....Each \$1.98

Packing—bulk.

STEEL BAR CLAMP FITTINGS

STEARNS'

- Make your own clamp the length you want—with these sturdy units! These fittings, when assembled to a length of $\frac{3}{4}$ -



inch pipe threaded at both ends, provide an inexpensive yet thoroughly practical steel bar clamp. Various lengths of pipe, of either standard or extra heavy weight, may be used and easily interchanged with a single set of fittings. Milled teeth of the hardened tool steel cam grip pipe at any point where slide is set. Cam is positive in action as grip on pipe tightens with increasing screw pressure. Slide quickly released and moved to any position by merely lifting handle of cam.

All steel with black enameled finish. Acme thread $\frac{5}{16}$ -inch steel screw. Clamping surfaces $2 \times 1\frac{3}{4}$ inches.

Set of fittings consists of all parts illustrated, except pipe.

TB 15—Weight per dozen sets 48 lbs.....Each \$1.49

One-sixth dozen sets in a carton.

CLAMPS

CARPENTERS'



Steel I-bar, $1\frac{1}{2} \times \frac{5}{8} \times \frac{1}{8}$ inches—notched slide can be quickly set and won't slip. Wrought iron screw with acme thread. Tool

steel cam. Malleable iron slides, screw guide and crank. Clamping surfaces 2×2 inches.

Nos.	Each	Opens, Feet	Weight Per Dozen, Lbs.
TB 3SB	\$2.55	3	108
TB 4SB	2.85	4	120
TR 5SB	3.25	5	135

Packing—bulk.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

CARRIAGE MAKERS' CLAMPS



- Swivel head on end of screw, adjusts itself to fit uneven objects.

Plain finish malleable iron frame and screw with large wing. Cut threads.

Nos.	Each	Opens, Inches	Weight Per Dozen, Lbs.
TB 2 $\frac{1}{2}$ P	\$0.38	2 $\frac{1}{2}$	10
TB 4P	.50	4	17
TB 6P	.80	6	30
TB 8P	1.30	8	45

Packing: TB 8P—one-quarter dozen in a carton. All others—one-half dozen in a carton.

CARPENTERS' CLAMPS

- Useful in general carpentry.
- Handy for home workshop.
- Adaptable to jig, pattern, light gluing and airplane work.

Holds work tight—won't slip. Swivel head on smooth-working screw adjusts itself to odd surfaces and uneven shapes.

Strong malleable frame, red enameled. Fine quality steel screw. Steel vise-type sliding pin handle.



TB 558



TB 571



TB 549



TB 550



TB 551



TB 552

Nos.	Each	Opens, Inches	Depth, Inches	Length Closed, Inches	Wt. Doz., Lbs.
TB 558	\$0.10	1	1 $\frac{1}{2}$	2 $\frac{1}{2}$	1 $\frac{3}{4}$
TB 571	.15	1 $\frac{1}{2}$	1 $\frac{1}{2}$	3	2 $\frac{1}{2}$
TB 549	.20	2	1 $\frac{1}{4}$	4 $\frac{1}{4}$	4
TB 550	.23	3	1 $\frac{3}{4}$	5 $\frac{3}{8}$	6
TB 551	.39	4	1 $\frac{5}{8}$	6	10 $\frac{1}{2}$
TB 552	.49	6	1 $\frac{7}{8}$	9	16

Packing: TB 558 and TB 571—one dozen in a carton. Others—one-half dozen in a carton.

"C" CLAMPS



ARMSTRONG For Medium Service

- These clamps are of maximum strength and stiffness consistent with convenient weight. Adapted to the wide field of

work where extreme stiffness is not required. Handy swivel head adjusts itself to fit uneven objects. Drop forged heat-treated steel frame with alloy steel screws and steel vise type sliding handle.

Nos.	Each	Capacity, Ins.,			Weight Each, Lbs.	Std. List, Each
		Maxi- mum	Mini- mum	Depth, Ins.		
#TB 0	\$2.89	2	0	1½	1¼	\$3.50
#TB 1	3.29	3	0	2	2½	4.00
#TB 2	3.75	4	2	2½	4	4.50
#TB 3	4.49	6	3	2½	6	5.50
#TB 4	5.35	8	4	2½	7¼	6.50
#TB 5	6.25	10	6	2¾	8½	7.50
#TB 6	6.95	12	8	2¾	11½	8.50
#TB 7	8.95	15	10	3¼	14	11.00
#TB 8	11.45	18	12	3¼	18	14.00

Packing—bulk.

QUILT FRAME CLAMPS

SIMMONS LEADER



Good quality at a low price.

- Swivel head on end of screw adjusts itself to uneven shapes. Cast iron frame and screw, rust-resisting cadmium plated. Opens 3 inches.

TB ST1—Weight per carton (12) 5¼ lbs.
Std. List Each \$0.10.....Each \$0.10

One dozen in a carton.



Cast-iron frame and screw, rust-resisting cadmium plated.

Nos.	Each	Type Screw	Opens, Inches	Weight
				Per Doz., Lbs.
TB A	\$0.10	Plain	2¼	3
TB B	.10	Swivel Head	2¼	4½
TB C	.12	Swivel Head	3	4¾

One dozen in a cardboard box.

TINNERS' STEEL RULES



Showing the first 3 tables on face of one side of the rule.



Showing 3 inches of the length of the rule.

Plain. Polished. Length 3 feet, width 1¼ inches, thickness ½-inch.

TB TP—Weight each 1¼ lbs.....Each \$4.69

Packing—bulk.

This rule is laid out as follows:

One side—upper line is ordinary rule graduated by eighths of an inch. Lower side shows at a glance the exact circumference of any cylinder by simply ascertaining the diameter.

Reverse side—contains much useful information regarding the sizes of 60 different articles—cans, measures, pails, etc., with straight or flaring side, flat or pitched top—liquid and dry measures in quarts, gallons and bushels.

* Goods marked thus (*) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SOLDERING COPPERS



SIMMONS LEADER

Drawn copper head provides reliable and long-lasting performance. Wrought iron shank. Shaped hardwood handle with wired shank.

Nos.	Each	Wt.		Std. List, Each
		Copper, Each, Lbs.	Complete, Lbs.	
TB SN10	\$0.38	¼	¾	\$0.38
TB SN11	.41	¾	1½	.41
TB SN12	.44	1½	5/8	.44
TB SN1	.49	¾	7/8	.49
TB SN2	.59	1	1½	.59
TB SN3	.69	1½	1¾	.69

Wrapped in paper.

SQUARE POINT



- Best grade copper head — insures long, satisfactory service.

• Japanned wrought iron shank, without handle.
Note—When 1 only is wanted, order as half-pair.

Nos.	Each	Length		Weight Per Pair, Lbs.
		of Copper, Inches	Over All, Inches	
TB 1S	\$0.25	3	11	1
TB 1½S	.29	4¼	12	1½
TB 2S	.39	4½	13	2
TB 3S	.49	5½	14½	3
TB 4S	.69	5¾	16	4
TB 5S	.89	6	16	5
TB 6S	1.09	6¼	17¾	6

Packing—bulk.

SOLDERING COPPER HANDLES



- Shaped for easy grasp.
- Quickly attached to soldering copper shank.

Plain pine wood, natural finish, with wired shank. Length 4¼ inches. Diameter 1¼ inches.

TB 15—Weight each 2½ lbs.....Each \$0.10

Packing—bulk.

CUTTING SHEARS

BERRIDGE'S PATENT DOUBLE



The best tool known for cutting and crimping sheet metal and pipe of ordinary weight, round or square. No twisting

of metal during cutting process as experienced with ordinary snips.

Cuts out very narrow strip of the metal and allows it to drop down on side of snip.

Blades can be inserted in metal at any point. Cuts clean and smooth.

Wrought iron handles, black japanned finish. Bright steel blades, cuts 2 inches. Bright steel crimper firmly riveted to side. Length over all 13½ inches. All parts interchangeable.

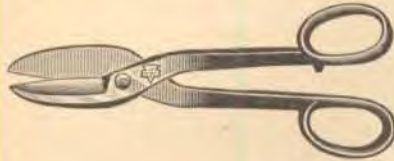
TB 22B—Weight each 2 lbs.....Each \$3.59

One in a cardboard box.

TINNERS' SNIPS

KEEN KUTTER

- Superior in quality and construction—in shape, cutting edge, strength, test and finish.
- Large finger holes provide smooth, easy grasp. Bumper between handles prevents pinching fingers.
- Blue steel drop forged handles. Highest grade tool steel laid blades. Polished head. Heavy bolt at joint.
- Edge will not chew or break the work and remains sharp longer because a piece of the finest tool steel is welded to the inner side of the blades.



STRAIGHT

Nos.	Each	Length of Cut, Inches	Length Over All, Inches	For Cutting Iron, Nos.	Wt. Each, Lbs.
TB K8	\$2.79	3½	13½	26	2¼
TB K9	2.29	3	12¼	27	1¾
TB K10	2.19	2½	11½	28	1



COMBINATION CIRCULAR AND STRAIGHT

Jaws ground and shaped in such a manner that they can be used readily

for cutting curves and irregular shapes as well as for straight work, thus combining all the advantages of both the circular and straight snips in one tool.

Nos.	Each	Length of Cut, Inches	Length Over All, Inches	For Cutting Iron, Nos.	Wt. Each, Lbs.
TB KT8	\$3.19	3½	13½	26	2¼
TB KT9	2.49	3	12¼	27	2

SIMMONS



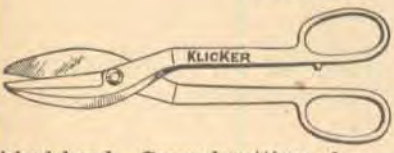
Forged solid steel. Finely ground cutting edges, head polished. Red enameled handles. Heavy bolt at joint.

Length of cut 3 inches. Length over all 12¼ inches. For cutting 27 gauge iron.

TB S130—Weight each 1¼ lbs.....Each \$1.19

One in a carton.

KLICHER



Here's a fast-cutting snip at a low price.

Solid forged steel. Dull black lacquered, with polished head. Ground cutting edges. Heavy bolt at joint.

Length of cut 3 inches. Length over all 12¼ inches. For cutting 27 gauge iron.

TB 312¼K—Weight each 1¼ lbs.....Each \$0.79

One-third dozen in a carton.

SIMMONS LEADER

Good Quality at a Low Price



COMBINATION, CIRCULAR AND STRAIGHT

Combines advantages of circular and straight snips in one tool! Cut curved and irregular

shapes as readily as straight work. Blades specially ground and shaped.

Solid forged steel. Red japanned handles. Polished head. Length 12¼ inches. Cut 3 inches.

TB SD7—Weight per carton (2) 3¼ lbs.

Std. List, Each \$0.99.....Each \$0.99

Two in a carton.

STRAIGHT



Solid forged steel. Red enameled handles. Polished heads.

Pocket size.

Length 7 inches, cut 2 inches.

TB SD1—Weight per carton (6) 3¾ lbs.

Std. List, Each \$0.49.....Each \$0.49



GENERAL PURPOSE

Solid forged steel. Red enameled handles. Polished heads.

Nos.	Each	Length, Inches	Cut, Inches	Weight Per Carton (6), Lbs.	Std. List, Each
TB SD2	\$0.69	12½	3	11¼	\$0.69
TB SD5	.59	10	2½	7½	.59

Six in a carton.



STRAIGHT

Forged from special high grade metal, with steel laid blades. Blue japanned handles. Polished heads.

Nos.	Each	Length, In.	Cut, In.	Will Cut Iron, Gauge	Wt. Per Carton (2), Lbs.	Std. List, Each
TB SD3	\$1.89	12¼	3	27	3¾	\$1.89
TB SD4	1.59	11¼	2½	28	3	1.59

Two in a carton.

WISS—Straight



Drop forged steel. Crucible steel laid blades will not chew or break work. Polished blades. Blued steel handles.

Nos.	Each	Length of Cut, Inches	Length Over All, Inches	For Cutting Iron, Nos.	Wt. Each, Lbs.
TB 8W	\$2.79	3½	13¾	26	2¼
TB 9W	2.29	3	12½	27	2

One in a carton.

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ELECTRIC SOLDERING IRONS

DRAKE

Approved by Underwriters' Laboratories and Bears Their Label

For 110 to 220 Volts A. C. or D. C. Current

- Carefully manufactured and guaranteed against imperfect material and workmanship. Factory will replace any Drake iron that does not give satisfactory service if returned to them.
- Removable solid copper tip. Heating element highest quality nichrome wire. Black enameled wood handle. Spiral spring wire guard. Nickel-plated element housing shank and wire guard. Complete with all-metal stand 7 inches long, 6-foot heater cord and rubber plug.



Free—with each Drake electric soldering iron an attractive all-metal stand 7 inches long is included—no charge.



MECHANICS'

For use in garages, machine shops, etc. Tip 1½ inches in diameter. Heating element nichrome wire on lava spool. Nickel-plated ferrule. Consumes 150 watts. Length over all 13 inches.

TB 703B—Weight each 2 lbs.....Each \$5.95



Excellent for radio and other light soldering work. Tip ½ inch in diameter.

Heating element nichrome wire on porcelain. Consumes 60 watts. Length over all 11¾ inches.

TB 25—Weight each 1 lb.....Each \$1.29

STANDARD

Carefully made of high-grade material and is guaranteed by maker against defects (defective irons must be returned direct to factory).



Designed for radio and other light soldering work.

Removable solid copper tip ½ inch in diameter, 1½

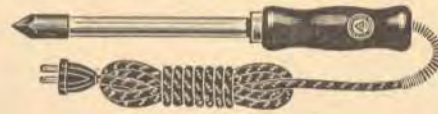
inches long. High grade heating element encased in nickel-plated steel tubing. Black enameled wood handle, with nickel-plated brass ferrule. Complete with 4-foot cord with attachment plug cap. Consumes 50 watts. Length over all 10¾ inches.

TY 121—Weight each ½ lb.....Each \$0.98

One in a carton.

LENK

Operates on 110 volts A. C. or D. C. current. Solid copper tip. Highest grade nichrome wire heating element hermetically sealed in lava tubes. Nickel-plated shank.



Tip 2x¾ inches. Stained and varnished wood handle. Six-foot Underwriters' Ap-

proved flexible heater cord and plug. Consumes 150 watts. Length 13½ inches.

TB 153—Weight each 1 lb.....Each \$1.89



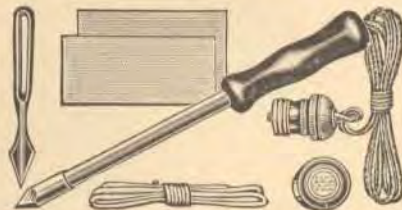
Tip 1¼x½ inches. Natural finish wood handle. Five-foot flexible heater cord and approved plug.

Consumes 50 watts. Length 10¾ inches.

TY 51—Weight each ½ lb.....Each \$0.59

One in a carton.

SOLDERING KITS



WITH ELECTRIC SOLDERING IRON

Contains everything necessary for ordinary soldering jobs around the home.

Consists of:

Electric soldering iron—¾ inch solid copper tip. Black enameled wood handle, nickel-plated steel shank; length 11¼ inches, 5½-foot cord with separable attachment plug.

Operates on 110 volts A. C. or D. C. current.

Metal scraper—¾ inch long, black-enameled.

Can soldering paste.

Piece wire solder (about 30 inches).

Sandpaper—two pieces 1¼x4½ inches.

TB 150—Set as listed above. Weight per set 1 lb.Per Set \$1.59

One set in a carton.

KESTER—HOME



Outfit consists of ¼-lb. forged (Lake Copper) soldering iron with hardwood handle and one ¼-lb. can of Kester Metal Mender. All packed in an attractive display box with soldering instructions. Soldering copper handle 5 inches long, copper head 3¼x7/8 inches. Length over all 13½ inches.

TB HSK—Weight each 1½ lbs.....Each \$0.89

Ten in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

CLAYTON AND LAMBERT BLOW TORCHES

For Gasoline

Long-Lasting Construction

Finest quality seamless tank securely screwed to handle shanks. Joints soldered inside, bottom rolled in and sweat soldered. Unbreakable metal control valve handle. Cast bronze burner develops powerful, steady blue needle-point flame that assures intense heat.

Many Uses

Handy for plumbers, tanners, electricians, painters, home-shop workers and other craftsmen. Ideal for soldering work, pipe thawing and similar duties.

With soldering iron attachment and wind guard. Performs perfectly indoors, or outdoors under severe weather conditions because wind guard protects gasoline generator in cold and windy weather.

Sharp point, self-cleaning needle provided with large shoulder to prevent orifice enlargement. Filled through bottom opening. Concave bottom permits filling without use of funnel. Cast brass filler plug. T pump handle. Cast iron drip cup.



Mechanics' favorite.

Ruggedly constructed and designed for extra severe service. Produces an intensely hot blue blast 7 inches long which may be regulated for lighter work. Greatly improved internal vein construction assures unusually long burning life.

Round handle shanks secured to inside of tank.

Diameter body 4 1/4 inches, bottom 5 3/4 inches. Height to top of burner 10 3/8 inches.

Capacity One Quart

TB 32A—Weight each 5 1/4 lbs. Each \$8.59



For workshop, garage or farm. Chromium-plated tank.

Diameter body 4 1/4 inches, bottom 5 3/4 inches. Height, including soldering iron attachment, 10 3/8 inches.

Capacity One Quart

TB 158—Weight each 4 1/4 lbs. Each \$5.49



Here's one of the best values ever offered to the occasional user that wants a torch to perform correctly under ordinary weather conditions.

Burner has tapered burner tube closed at the back, producing hot, easily controlled flame. Filled through bottom opening. Concave bottom permits filling without use of funnel. Cast brass filler plug.

Highly finished buffed brass tank. Diameter of body 4 1/4 inches. Height to top of burner 9 7/8 inches.

Capacity One Quart

TY 600A—Weight each 4 lbs. Each \$3.98

One in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

Safely, Easily Operated

Safe and dependable because it's easily controlled at all times. Double spring check valve pump with lock-down device keeps plunger from rising after you pump pressure. Funnel-shape bottom keeps torch from tipping. Patented interlocking fittings used at all tank openings to prevent leaks. Enameled handle set at comfortable angle and shaped to fit your hand, providing firm, steady grip and assuring more accurate work.



A serviceable blow torch that's ideal for use on odd jobs. Safety features have not been sacrificed to low price in its construction.

Filled through pump opening.

Highly finished buffed brass tank.

Diameter of body 4 1/4 inches. Height to top of burner 10 3/4 inches.

Capacity One Quart

TY 800—Weight each

4 lbs. Each \$3.59

One in a carton.

BLOW TORCHES

Self-generating—develops powerful, steady blue flame that assures intense heat.

Handy for plumbers, mechanics, electricians, home-shop workers and other craftsmen. Ideal for soldering work, pipe thawing and similar jobs.



LENK—HIGH HEAT FOR GASOLINE

Many Outstanding Features

- Flame control and shut-off valve.
- Non-clogging burner.
- Self-cleaning orifice.
- Generates quickly from asbestos-filled drip cup.

After torch is fully generated size of flame may be controlled by turning valve to right or left. Only clean commercial gasoline should be used. (Do not use ethyl gasoline).

Heavy-gauge seamless drawn brass tank with funnel-shaped bottom for easy filling. All brass burner valve and Bunsen burner tube, with black bakelite knurled edge knob. Heavy flat steel handle, red enameled. Tank highly polished. Diameter: body 2 3/8 inches, base 3 inches. Height over all 7 1/2 inches.

Capacity 3/4-Pint

TB 104—Weight per dozen 10 lbs. Each \$1.79

One in a carton.



AUTOMATIC FOR ALCOHOL

Produces flame of approximately 1400° Fahrenheit.

Simple to operate because it has no complicated parts. After filling both cylinders and lighting wick, a force is automatically generated producing a long needle-point flame. Operates on denatured or commercial alcohol.

Brass throughout, high polished and nickel-plated to resist rust. Height over all 5 3/8 inches. Width 2 3/8 inches. Cylinders 7/8-inch in diameter.

TB A2—Weight per dozen 3 1/2 lbs. Each \$0.89

One in a carton. Twelve in a counter display box.

CLAYTON & LAMBERT FIRE POTS

For Gasoline

- Seamless tank drawn from heavy steel, thickly coated with tin inside and outside to prevent rust and leakage.
- Steel cushion band protects tank bottom from injury and wear.
- Heavy wire bail with spiral grip.

WITH TINNER'S HOOD Will Not Carbonize

Flame Starts Quickly and Is Ready for Use Within 2 Minutes.

Especially designed for tanners, roofers, sheet metal workers, tool makers and garage mechanics.

Not affected by weather conditions—generator is fully protected by windshield. Capable of heating 2 large soldering coppers and a 6-inch pot of metal at same time.

Noiseless, smokeless and odorless.

Circular shaped burner produces a perfect blue flame of intense heat which may be easily regulated by upper valve from full volume to small low fire.



Quick-generating fire pot. Patented preheater, controlled by lower valve, directs an intense blast (1800 degrees) against vaporizing veins of generator. Bottom rolled in and soldered.

Brass fittings. Large brass funnel and filler plug, with dust-proof cap. Unbreakable metal control valve handles with cool covers to protect your hand.

Heavy duty pump. Dust-proof filler plug. Pump bushings and filler have lead washer. Cast iron upper section with lid.

Gasoline capacity one gallon.

TB 85—Weight each 21 lbs.....Each \$16.45

IMPROVED OIL

All inlet and outlet fittings are seamed integral with tank under heavy hydraulic pressure.

Easy to start and simple to operate. Burns low gravity gasoline perfectly in any kind of weather. Produces very hot blast flame of large volume. Efficient, fast and economical for melting solder and babbitt in metal pots.

Patented, quick-detachable coil unit, when clogged after long use may be replaced quickly.

Powerful pump in tank produces air pressure quickly—has lock-down feature to prevent pump plunger from rising after pumping pressure.



Gasoline capacity one gallon.

TB 22A—Weight each 16 lbs.....Each \$11.95

One in a fibre carton.

Directions for operating accompany each fire pot.

For Long and Satisfactory Wear,

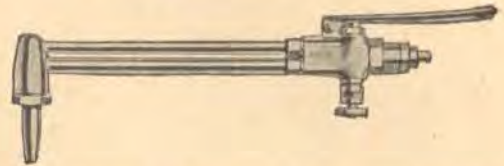
Select a
**KEEN KUTTER
AXE**

CUTTING ATTACHMENTS

PUROX

FOR WELDING OUTFITS

Cuts up to 2-inch thick steel!



A very convenient, efficient and practical attachment by means of which Purox welding torches may be converted to do cutting. It will take care of all the cutting met in the average shop, as it will cut steel up to about 2 inches in thickness.

Designed to fit welding torches in welding outfits Nos. TY 4008 and TY 4012. Fits directly to handle of No. 11 welding torch (outfit No. TY 4008), and to welding torch No. 35 (outfit No. TY 4012).

Complete with cutting tips Nos. 1 and 2 (type E); one-piece style, hard drawn copper.

TY 21—Length 10½ inches. Weight each

1½ lbs.Each \$23.75

One in a carton.

WELDING RODS

OXWELD

Drawn Iron, Copper Coated

For steel plates, sheets, structural shapes, pipe, etc.

Nos.	Per Lb.	Diameter, Inches	Length, Inches
TB 7 1/8	\$0.23	1/8	36
TB 7 3/16	.23	3/16	36
TB 7 1/4	.23	1/4	36

High-Test Steel

For high strength welds in steel plates, sheets, structural shapes, pipes, steel castings, etc.

Nos.	Per Lb.	Diameter, Inches	Length, Inches
TB 1 1/8	\$0.30	1/8	36
TB 1 3/16	.29	3/16	36
TB 1 1/4	.29	1/4	36

Cast Iron Alloy

For gray iron castings

Nos.	Per Lb.	Diameter, Inches	Length, Inches
TB 9 3/16	\$0.20	3/16	12 to 18
TB 9 1/4	.18	1/4	21 to 24

Bronze

For high strength, wear-resisting welds in copper, brass or bronze; also for welding malleable iron, steel or cast iron. Non-fuming.

Nos.	Per Lb.	Diameter, Inches	Length, Inches
TB 25M 1/8	\$0.67	1/8	36
TB 25M 3/16	.59	3/16	36
TB 25M 1/4	.55	1/4	36

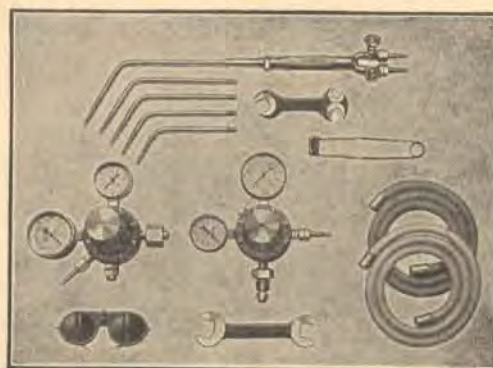
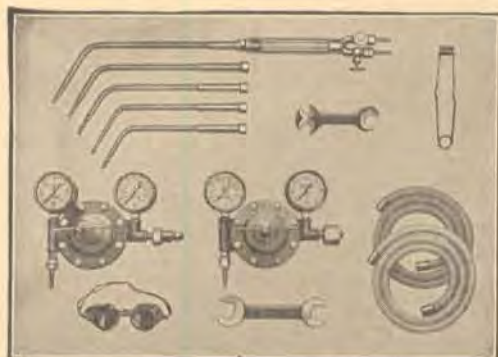
100 lbs. in a case.*

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

WELDING OUTFITS

PUROX

Sturdily constructed to assure you safety and complete satisfaction.
Listed as standard and approved by Underwriter's Laboratories.



Here's a standard outfit for general-purpose welding—includes new Purox No. 35 welding torch. Equally adaptable to lightest as well as heaviest work.

Its complete range makes it especially suitable for every large job welding shop that has a large variety of work. Also recommended for boiler and machine shops, garages, foundries and manufacturing plants where speedy, economical maintenance of machinery and plant equipment is essential.

- The regulators provide maximum service, efficiency and long life under most severe conditions.
- Extra-large diameter diaphragms insure extreme sensitiveness.
- Oxygen regulators have fibre seats which offer more positive seating surface . . . and built-in dissipators which prevent heat generated by sudden compression of oxygen in inlet passages of regulator from burning out seat.

Both cylinder and large working pressure gauges are 2½ inches in diameter.

TY 4012—Weight each 25 lbs.....Each \$108.75

One in a case.

Specifications

- 1 No. 35 Purox welding torch—light and well balanced; handle is extruded brass with distinctive ribbed design to reinforce handle and make it easy to hold with little effort; length 24½ inches; weight 2½ lbs.
- 5 Welding heads—one each Nos. 3, 5, 7, 9 and 13; due to the novel mixer feature allowing fairly wide pressure variation the actual range of each head is extended, making possible a wider range of application.
- 1 No. 10 oxygen regulator, with 100-lb. and 3,000-lb. gauges.
- 1 No. 30 acetylene regulator with 30 and 500-lb. gauges.
- 1 No. 20 goggles—non-breakable composition frame, ventilated eye cups; large lenses; inexpensive cover glasses protect lenses from flying specks of oxide.

Complete with 12½ feet of ¼-inch green oxygen hose with ferrules, 12½ feet of ¼-inch red acetylene hose with ferrules, spark lighter, 2 wrenches, and manual of instruction.

Contain's Purox No. 11 welding torch and has wider range of application than is usually found in an outfit of this type.

Suitable for welding from light sheet metal up to ½-inch boiler plate. Ideal for every garage and for all plumbing and heating contractors. Also extensively used by job welding shops, machine shops and metal product manufacturers.

Regulators ruggedly built of high-grade materials and with careful workmanship. Diameter of gauges: cylinder pressure 2½ inches, working pressure 2 inches.

TY 4008—Weight each 25 lbs.....Each \$75.75

One in a case.

Specifications

- 1 No. 11 Purox welding torch—somewhat smaller in size and capacity than the No. 35 torch and is intended for lighter work, although it will handle all general welding except the unusually heavy jobs. This torch is ideal for the average garage or repair shop. It is light weight and easy to manipulate; with the largest tip, it is only 20 inches long.
- 5 welding tips—one each Nos. 2, 4, 6, 8 and 10.
- 1 No. 14 oxygen regulator with 100-lb. and 3,000-lb. gauges.
- 1 No. 34 acetylene regulator with 50-lb. and 500-lb. gauges.
- 1 No. 203 spectacles—light frame of bakelite formed over canvas. Large diameter lenses.

Complete with 12½ feet of ¼-inch green oxygen hose with ferrules, 12½ feet of ¼-inch red acetylene hose with ferrules, spark lighter, 2 wrenches, and manual of instruction.

CLIMAX WELDING COMPOUND



- A granulated mixture that provides for a lasting bond of all grades of steel.
- Flows at low heat.

Nos.	TB C25	TB C50	TB C100
In wood boxes containing lbs.	25	50	100
Per pound	\$0.21	\$0.20	\$0.19

SOLD ONLY IN FULL BOXES

TB C5—In 5-lb. wooden boxes.....Per Lb. \$0.23

WELDING FLUXES

PUROX

In 1-lb. friction top tin cans.

TB BF—Braze; for brass, bronze, copper and malleable iron. **Each Can \$1.19**

TB FF—Ferro; for cast iron. **Each Can \$1.09**

Fifty cans in a case.



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BLACK & DECKER PORTABLE ELECTRIC TOOLS

All tools in this line are carefully made of the best material obtainable for the purpose and are carefully inspected before leaving the factory—will give satisfactory service over a long period of time.

Universal Motor—the motors in these tools are of the Universal type and are powerful and smooth-running. They operate on alternating current, 110 volts, 25-60 cycles or 110 volts direct current, a feature particularly important where tools are taken out on the job.

ELECTRIC DRILLS

1/4 INCH JUNIOR "Compo" Oil-less Bearings



Features—Standard Black & Decker construction, with husky aluminum housings, thumb-control switch, ample power and long life.

"Compo" Oil-less Bearings, impregnated with oil at the factory, eliminate dry bearing troubles and assure smooth operation.

Universal Black & Decker motor operates on either alternating or direct current—amply powered for drilling in steel, iron, wood or composition on hundreds of intermittent service jobs.

Applications—An ideal drill for the tool kit in maintenance work—plumbing, automotive repair, electrical, carpentry and cabinet work, and on the work bench. Can be used in horizontal stand for light grinding and wire brushing, or in the bench drill stand as a drill press for more accurate work.

Specifications:

For round shank drills up to 1/4 inch.

Capacity—In steel, up to 1/4 inch.

In hardwood, up to 1/2 inch.

Length over all 12 inches.

Speed—No-load, 1800 r.p.m.; full load, 1050 r.p.m.

Net weight 3 3/4 lbs.

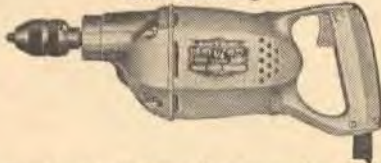
Universal motor operates on alternating current 110 volts, 25-60 cycles or 110 volts direct current.

Complete with 3-jaw Jacobs chuck and key and 3-conductor cable with plug.

TR 30—Weight each 4 3/4 lbs.

Std. List, Each \$19.95 Each \$19.95

1/4 INCH HEAVY DUTY Ball Bearing



Features—Perfectly balanced streamlined construction. Easy-grip end handle and automatic release trigger switch, with locking pin for optional use. Higher power and heavier mechanical construction than 1/4-inch Special. Powered for continuous production service. Ball bearings on armature shaft and chuck spindle.

Applications—Drilling in metals, wood, compo-board, etc.—driving drill-centric valve seat grinder, carbon cleaning tools, valve seat hones, etc.—wire wheel brushing up to 4-inch wheel—light grinding tool sharpening and buffing up to 3-inch wheel—drilling lead holes for screw driving operations.

Specifications:

For round shank drills up to 1/4 inch.

Capacity—In steel, up to 1/4 inch.

In hardwood, 1/2 inch.

Speed—No-load, 2000 r.p.m.; full load, 1200 r.p.m.

Length over all 14 1/2 inches.

Net weight 7 3/4 lbs.

Universal motor operates on alternating current 110 volts, 25-60 cycles or 110 volts direct current.

Furnished complete with 3-conductor cable, plug and 3-jaw geared chuck with chuck key.

TR 33—Weight each 9 lbs.

Std. List, Each \$45.00 Each \$45.00

5/16 INCH BALL BEARING



Features—Streamlined design and perfect operating balance. Easy-grip end handle and automatic release trigger switch, with locking pin for optional use. Unusually

light weight and ample power for continuous production service. Ball bearings on armature shaft and chuck spindle.

Applications—Drilling in all metals, wood, composition materials, etc.—especially suited for drill press work when mounted on bench drill stand—production service in sheet metal, body assembly, railway shops, etc.

Specifications:

For round shank drills up to 5/16 inch.

Capacity—In steel, up to 5/16 inch.

In hardwood, 5/8 inch.

Speed—No-load, 1400 r.p.m.; full load, 850 r.p.m.

Length over all 14 1/2 inches.

Net weight 7 3/4 lbs.

Universal motor operates on alternating current 110 volts, 25-60 cycles or 110 volts direct current.

Complete with 3-conductor cable and plug, 3-jaw geared chuck with chuck key.

TR 35—Weight each 9 lbs.

Std. List, Each \$50.00 Each \$50.00



1/4 INCH SHORTY Ball Bearing

Combines ample power, compact design, light weight and the ability to work "around corners." Fits snugly in the operator's hand, and requires no extra handle.

Features—Ball-bearing equipped throughout. Removable bakelite cap. Thumb control switch in the line just back of tool. Cool motor operation even though tool is grasped by the head. Tapered end of gear-head extends over chuck, protecting operator's fingers.

Application—"Shorty" is being widely used for "close corner" work as in aircraft and auto-trim plants, radio and other cabinet work—ornamental iron and structural steel work—and as a compact "kit" tool, where size and weight are important considerations.

Specifications:

For round shank drills up to 1/4 inch.

Capacity—In steel, up to 1/4 inch.

In hardwood, up to 1/2 inch.

Speed—No-load, 2500 r.p.m.; full load, 1600 r.p.m.

Length over all—4 1/2 inches in direction of chuck spindle,

7 3/4 inches in direction of motor.

Net weight 3 1/2 lbs.

Universal motor operates on alternating current 110 volts, 25-60 cycles or 110 volts direct current.

Complete with 3-conductor cable and plug, Jacobs geared chuck and key.

‡ TR 26—Weight each 4 1/2 lbs.

Std. List, Each \$35.00 Each \$35.00

‡ If wanted with paddle switch or toggle switch so specify and add...Std. List, Each \$3.00 Each 3.00

One in a carton.

‡ Goods marked thus (‡) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

BLACK & DECKER PORTABLE ELECTRIC TOOLS

All tools in this line are carefully made of the best material obtainable for the purpose and are carefully inspected before leaving the factory—will give satisfactory service over a long period of time.

Universal Motor—The motors in these tools are of the Universal type and are powerful and smooth-running. They operate on alternating current 110 volts, 25-60 cycles or 110 volts direct current, a feature particularly important where tools are taken out on the job.

ELECTRIC DRILLS



3/8 INCH
Ball Bearing

Features—Streamlined construction, light weight and perfect operating balance. Automatic release trigger switch in side handle, with locking pin for optional use. Spade handle with chuck key

holder, and detachable pipe handle. Ball bearings on armature shaft.

Applications—Drilling in all metals, wood, composition materials, etc. Especially adapted for continuous production service. An ideal tool for those industrial plants where highly specialized operations call for the drilling of large numbers of 3/8-inch holes, and where the spindle speed of the larger drills would be entirely too slow for economic handling of such an operation.

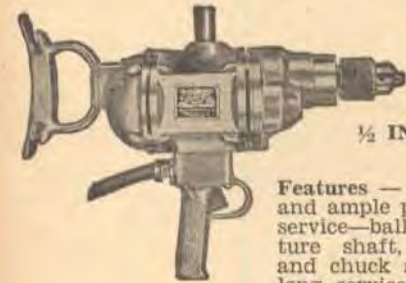
Specifications:

For round shank drills up to 3/8 inch.
Capacity—In steel, up to 3/8 inch.
In hardwood, up to 1/2 inch.
Speed—No-load, 900 r.p.m.; full-load, 675 r.p.m.
Length over all 16 1/4 inches.
Net weight 12 3/4 lbs.

Universal motor operates on alternating current 110 volts, 25-60 cycles or 110 volts direct current. Complete with 3-conductor cable, plug and 3-jaw geared chuck with chuck key.

#TR 37—Weight each 16 lbs.

Std. List, Each \$57.00 Each \$57.00



1/2 INCH HEAVY-DUTY
Ball Bearing

Features—Rugged construction and ample power for heavy-duty service—ball bearings on armature shaft, intermediate shaft and chuck spindle, guaranteeing long service and maximum efficiency.

Automatic release trigger switch in side handle, with locking pin for optional use. Detachable spade handle with chuck key holder, and detachable pipe handle.

Applications—Heavy-duty drilling in all types of metal, wood, composition materials, etc. Driving spring expanded cylinder grinders and hones—wire wheel brushing up to 8-inch wheel—driving wood augers up to 3/4 inch. Powered for continuous production service.

Specifications:

For round shank drills up to 1/2 inch.
Capacity—In steel, up to 1/2 inch.
In hardwood, up to 1 inch.
Speed—No-load, 500 r.p.m.; full load 330 r.p.m.
Length over all 18 1/2 inches.
Net weight 16 1/4 lbs.

Universal motor operates on alternating current 110 volts, 25-60 cycles or 110 volts direct current. Complete with 3-conductor cable, plug and 3-jaw geared chuck with chuck key.

TR 40—Weight each 20 lbs.

Std. List, Each \$68.00 Each \$68.00



1/2 INCH JUNIOR
"Compo" Oil-Less Bearing

Features—Standard Black & Decker construction, with strong aluminum housings. Automatic-release switch, with locking pin for optional use. Spade handle with chuck-key holder, and detachable pipe handle. Triple gear reduction in spade handle.

"Compo" oil-less bearings, impregnated with oil at the factory, give complete freedom from dry bearings and power loss due to friction. Spindle speed is most practical for an all-purpose drill.

Rounded housings reduce size and weight and make the drill easier to handle.

Applications—Specially designed as an "all-round" drill to meet the varying needs of the job-shop, maintenance crew, garage and service station, lumber and heating contractor, carpenter and mechanic.

The ideal drill for driving hole-saws, cutting clean round holes in wood, sheet metal, cast iron or composition up to 3 1/2 inches.

Amply powered for drilling in all metals and woods, on intermittent service. Not recommended for constant production work.

Can be mounted in bench drill stand, for drill-press work. Can be used with wire brush or small grinding wheel, with Arbor No. 8449.

Specifications:

For round shank drills up to 1/2 inch.
Capacity—In steel, up to 1/2 inch.
In hardwood up to 1 inch.
Speed—No-load, 375 r.p.m.; full-load 240 r.p.m.
Length over all 16 1/2 inches.
Net weight 9 3/4 lbs.

Universal motor operates on alternating current 110 volts, 25-60 cycles or 110 volts direct current. Complete with 3-conductor cable, plug and 3-jaw Jacobs chuck and key.

TR 38—Weight each 13 lbs.

Std. List, Each \$35.00 Each \$35.00

1/2 INCH SPECIAL
Ball Bearing

Features—Streamlined construction, light weight and perfect operating balance. Greater power than any previous 1/2-inch special drill. Automatic release trigger switch in side handle with locking pin for optional use. Spade handle with chuck key holder, and detachable pipe handle. Ball bearings on armature shaft.

Applications—Drilling in all types of metal, wood, composition materials, etc. A most popular general purpose tool for garage, repair shop, plant maintenance, and industrial use—driving hole-saw for cutting clean, round holes in cast iron, brass, aluminum, wood, sheet metal—up to 3 1/2 inches—wire wheel brushing and light grinding up to 6-inch wheel. Powered for intermittent service.

Specifications:

For round shank drills up to 1/2 inch.
Capacity—In steel, up to 1/2 inch.
In hardwood, up to 1 inch.
Speed—No-load, 400 r.p.m.; full-load 300 r.p.m.
Length over all 17 1/4 inches.
Net weight 13 1/4 lbs.

Universal motor operates on alternating current 110 volts, 25-60 cycles or 110 volts direct current.

Complete with 3-conductor cable, plug and 3-jaw geared chuck with chuck key.

TR 39—Weight each 17 lbs.

Std. List, Each \$58.00 Each \$58.00

One in a carton.

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

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BLACK & DECKER PORTABLE ELECTRIC TOOLS

All tools in this line are carefully made of the best material obtainable for the purpose and are carefully inspected before leaving the factory—will give satisfactory service over a long period of time.

Universal Motor—The motors in these tools are of the Universal type and are powerful and smooth-running. They operate on alternating current 110 volts, 25-60 cycles or 110 volts direct current, a feature particularly important where tools are taken out on the job.

ELECTRIC DRILLS

3/8-INCH HEAVY DUTY Ball Bearing



Features—Full anti-friction bearing construction with ball bearings on armature shaft and intermediate shafts. Taper roller bearings on chuck spindle to absorb side and end thrust. Equipped with No. 3 Morse taper socket to take taper shank drill bits. Can be

fitted with a No. 3-2 reducing sleeve, or geared chuck mounted on Morse taper arbor. Designed throughout for all-around heavy duty work; ample ventilating slots assure cool operation. Extended side handle and pipe handle afford ample leverage for perfect control of unit. Safety switch in side handle which automatically cuts off when operator's grasp is released. Detachable spade handle and pipe handle.

Applications—Heavy duty drilling in all metals, wood, ore, composition materials, etc. Especially adapted for heavy construction work, ship building, wood boring in heavy timbers, etc.—reaming in steel and iron up to 3/8 inch.

Specifications:

For round shank drills up to 3/8 inch.

Capacity—In steel (with No. 3-2 or 3-1 reducing sleeve range is extended down to 1/8 inch) 3/8 inch.

In hardwood up to 1 1/4 inches.

Light reaming up to 3/8 inch.

Heavy reaming up to 1/2 inch.

Speed—No-load, 375 r.p.m.; full load, 225 r.p.m.

Length over all 21 3/4 inches.

Net weight 24 3/4 lbs.

Universal motor operates on alternating current 110 volts, 25-60 cycles or 110 volts direct current.

Complete with 3-conductor cable, plug and No. 3 Morse taper socket.

#TR 46—As described.

Std. List, Each \$98.00 Each \$ 98.00

#TR 302—With internal spindle.

Std. List, Each \$103.00 Each 103.00

Weight each 33 lbs.

One in a carton.

UTILITY POWER DRILL LINE



Here is a popular-price line of large size drills, delivering real heavy-duty performance to the thousands

of shops that want the combination of "Production Unit" power and "Service Tool" utility.

Every day a tough job comes along that needs the extra margin of power, formerly available only in a heavy duty production drill. However, designed for

high-speed production service, such units have too much speed for the average shop, burn up drill bits, and are not adaptable to the use of the many accessories so vital to general maintenance and shop work.

The utility power line is just what the name implies—power enough for any drilling job it meets. A spindle speed adapts it to utility service, such as drilling with carbon bits, driving wood augers, cutting with hole saws, powering cylinder hones and grinders, drilling in hard alloy metals, doing heavy duty and precision work in a bench drill stand.

These new drills are light in weight, perfectly balanced, have true heavy duty bearing construction throughout, and are priced to give the greatest value in drill history. Especially designed for garages, trucks and body shops, fleet owners, railway repair shops, construction crews, maintenance departments, contractors, tree surgeons, ship yards and drydocks, and the thousands of general service shops.

An outstanding feature of the utility power line is the rugged, wear-resisting power-transmitting construction of gears, spindles and bearing. Triple gear reduction, gives increased torque and low spindle speed. Motor is mounted on ball bearing. Chuck spindle operates on tapered roller bearings, insuring smooth full power at the chuck and protecting against wear from thrust in any direction. Removable commutator cover facilitates brush inspection and cleaning.

Universal motor operates on alternating current 110 volts, 25-60 cycles or direct current 110 volts.

Standard Equipment—(All units)—3 wire cable and plug (3rd wire for grounding), automatic-release switch with locking pin in side handle, spade handle with chuck-key holder, detachable pipe handle.

Nos.	TR 238	TR 239	#TR 240
Capacity in Steel, Inch	3/8 to 3/4	3/8 to 3/4	3/8 to 3/4
Capacity in Hard Wood, Inches	1 1/4	1 1/2	1 3/4
No-Load Speed, R.P.M.	300	250	200
Full-Load Speed, R.P.M.	175	150	120
Net Weight, Lbs.	17	19 1/4	17 3/4
Shipping Weight, Lbs.	22 1/2	24	24
Chucking Equipment	3/8 in.	3/8 in.	No. 3
	Geared Chuck and Key	Geared Chuck and Key	Morse Taper Socket
Length Over All, Inches	18	18 3/4	19 1/4
Each	\$60.00	\$68.00	\$73.00
Std. List, Each	\$60.00	\$68.00	\$73.00

One in a carton.

Black & Decker Tools have a Good Reputation Gained by Years of Faithful Adherence to a High Standard of Quality.

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

BLACK & DECKER PORTABLE ELECTRIC TOOLS

All tools in this line are carefully made of the best material obtainable for the purpose and are carefully inspected before leaving the factory—will give satisfactory service over a long period of time.

Universal Motor—The motors in these tools are of the Universal type and are powerful and smooth-running. They operate on alternating current 110 volts, 25-60 cycles or 110 volts direct current, a feature particularly important where tools are taken out on the job.

ELECTRIC DRILLS

**3/4 INCH HEAVY DUTY
Ball Bearing**



Features— Full anti-friction bearing construction with ball bearings on armature shaft and intermediate shafts. Taper roller bearings on chuck spindle to absorb side and end thrust. Designed and powered for satisfactory heavy duty service under most severe requirements. Extended side handle and pipe handle—give greater leverage and better control of this powerful tool. Safety switch in side handle which automatically cuts off when operator's grasp is released. Detachable spade handle with chuck key holder and detachable pipe handle.

Applications—Heavy duty drilling in all metals, wood, composition materials, etc. The ideal tool for driving all positive set cylinder grinders and hones. Especially popular with building contractors, heavy machinery plants, railroad construction and maintenance shops, shipyards, etc.

Specifications:

For round shank drills up to 3/4 inch.
Capacity—In steel, 5/8 to 3/4 inch.
In hardwood, up to 1 1/4 inch.
Speed—No-load, 375 r.p.m.; full-load 225 r.p.m.
Length over all 21 inches.
Net weight 27 1/2 lbs.
Universal motor operates on alternating current 110 volts, 25-60 cycles or 110 volts direct current.
Complete with 3-conductor cable, plug, and 3-jaw geared chuck with key.

TR 45—Weight each 33 lbs.
Std. List, Each \$94.00 Each \$94.00

**1 INCH HEAVY DUTY
Ball Bearing**



Features—Rugged construction for heavy duty drilling and light reaming. Equipped with No. 3 Morse taper socket. Extended side handle and pipe handle provide ample leverage for easy handling. Safety switch in side handle automatically shuts off when operator's grip is released. Detachable spade handle and side handle.

Applications—Heavy duty drilling in all metals, wood, ore, composition materials, etc.—light reaming in structural steel, etc.

Specifications:

For round shank drills up to 1 inch.
Capacity—In steel (with No. 3-2 or 3-1 reducing sleeve, range is extended down to 1/2 inch), 1 inch.
In hardwood, up to 2 1/4 inch.
Light reaming, up to 3/4 inch.
Heavy reaming, up to 5/8 inch.

Speed—No-load, 350 r.p.m.; full-load, 180 r.p.m.
Length over all 19 3/4 inches.
Net weight 27 3/4 lbs.
Universal motor operates on alternating current 110 volts, 25-60 cycles or 110 volts direct current.
Complete with 3-conductor cable, plug, and No. 3 Morse taper socket.

#TR 301—As described.
Std. List, Each \$110.00 Each \$110.00
#TR 47—With internal spindle.
Std. List, Each 115.00 Each 115.00
Weight each 37 lbs.

One in a carton.

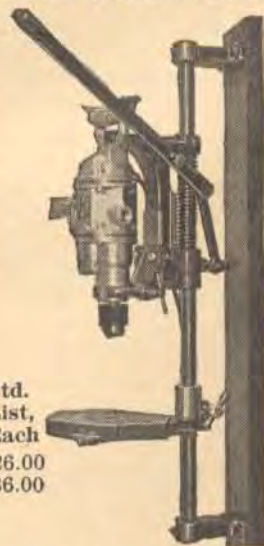
#BENCH DRILL STANDS



DRILL STANDS

The full flexibility of Black & Decker portable electric drills is made available through the use of Black & Decker drill stands. The portable unit is quickly clamped in the bracket of the stand and converted into a powerful drill press for heavy duty precision work. The handle of the stand has a 6 to 1 leverage, enabling the operator to exert tremendous pressure on the work. The bracket can be raised or lowered on the supporting column and swung in an arc to any desired position. The bracket operates very smoothly, permitting the use of the stand for the most accurate drilling.

#POST DRILL STANDS



Nos.	Each	For Drills Nos.	Ship.		
			Net Wgt., Lbs.	Each, Lbs.	Std. List, Each
#TR 122	\$22.00	37 and 39	30	50	\$22.00
#TR 125	32.00	40, 45, 46, 47, 301, 302	59	83	32.00

Nos.	Each	For Drills Nos.	Ship.		
			Net Wgt., Lbs.	Each, Lbs.	Std. List, Each
#TR 123	\$26.00	37 and 39	83	106	\$26.00
#TR 126	36.00	40, 45, 46, 47, 301, 302	87	110	36.00

One in a carton.

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BLACK & DECKER PORTABLE ELECTRIC TOOLS

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Universal Motor—The motors in these tools are of the Universal type and are powerful and smooth-running. They operate on alternating current 110 volts, 25-60 cycles or 110 volts direct current, a feature particularly important where tools are taken out on the job.

ELECTRIC DRILLS



BLACK & DECKER HOLGUN

A light, compact drill—well constructed for efficient operation at a low initial cost and low running expense.

Standard equipment—2-pole automatic-release trigger switch and locking pin, mounted as a unit with cord protector, 3-wire cable and plug (third wire for grounding).

¼-INCH HIGH SPEED

Specifications. Drilling capacity in steel—¼ inch. Standard spindle speed (no-load)—1,700 R. P. M. Spindle offset—¾ inch. Over-all length (in direction of spindle)—6¾ inches.

Three-jaw Jacobs geared chuck with chuck key. Universal motor, which operates on 110 volts, A. C. or D. C. current.

TR 345—Weight each 2¾ lbs.

Std. List, Each \$32.50 Each \$32.50

Weight 3¾ lbs.

¼-INCH LOW SPEED

Reduced spindle speed and increased torque makes this the perfect ¼-inch drill for production work in stainless steel, monel metal and other modern hard alloys.

Specifications. Drilling capacity in steel—¼ inch. Standard spindle speed (no-load)—500 R. P. M. Spindle offset—¾ inch. Over-all length (in direction of spindle)—7¾ inches.

Three-jaw Jacobs geared chuck and chuck key. Universal motor, which operates on 110 volts, A. C. or D. C. current.

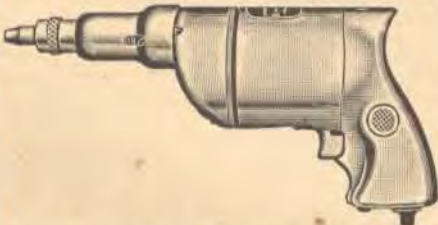
#TR 346—Weight each 3¾ lbs.

Std. List, Each \$38.00 Each \$38.00

Weight 4¾ lbs.

One in a carton.

ELECTRIC SCREW DRIVERS



BLACK & DECKER SCRUGUN

A highly versatile screw driver for production work on wood and metal.

Adjustable clutch—can be set for any desired

tension, and the free spindle idles until operating pressure engages the clutch jaws. Clutch is quickly adjusted by turning knurled collar with a pin through slot in protecting sleeve. The scrugun is perfectly balanced and comfortably fits the hand for continuous use. An ideal tool for driving self-tapping screws.

Specifications—Screw-driving capacity—from No. 4 to No. 12 screws. Standard spindle speed (no-load)—750 R. P. M. Spindle offset—¾ inch. Over-all length (including bit)—9¾ inches.

One No. 8 bit, with finder and sleeve. Universal motor which operates on 110 volts, A. C. or D. C. current.

TR 347—With single clutch.

Std. List, Each \$47.00 Each \$47.00

#TR 350—With double clutch.

Std. List, Each \$57.00 Each 57.00

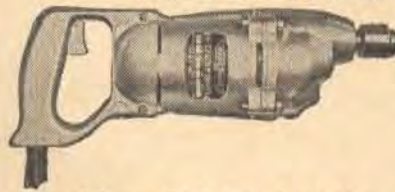
Weight each 4¾ lbs

One in a carton.

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*ELECTRIC SCREW DRIVERS SCREW DRIVER AND WRENCH



Ball Bearing UNIT 12

Features—A completely new and up-to-date version of the famous Black & Decker labor saver—the electric

screw driver. Redesigned with greater power, improved mechanism better balance and performance, this unit is amply powered for constant production service. A positive pin-type clutch in the driving spindle permits the spindle to idle until the bit "finds" the screw slot—this type of clutch is more sensitive and produces more uniform production work than former types. Gear and field cases are assembled with through-bolts for added strength and to facilitate inspection.

Applications—The unit is adapted to screw driving in metal or wood, nut tightening, lag screw driving, cabinet and furniture building, boat building, automobile body and aviation assembly. When equipped with reversing switch, it is ideal for assembling and disassembling pieces that are shipped "knocked-down". It is indispensable in the shipping department for crating and uncrating.

Specifications:

Capacity—Hardwood, screws up to No. 12x2 inches long.

Lag screw capacity, up to ¼x3 inch.

Nut running capacity, up to ¼-inch diameter.

No-load speed 500 r.p.m.

Length over all (not including bit) 13¼ inches.

Net weight 6¾ lbs.

Universal motor operates on alternating current 110 volts, 25-60 cycles or 110 volts direct current.

Complete with quick-change chuck with ⅞-inch hexagon socket, 13° positive clutch, 3-conductor cable and attachment plug, and one each No. 8 and No. 12 standard bits with centering sleeves.

#TR 53—Weight each 9 lbs.

Std. List, Each \$58.00 Each \$58.00

UNIT 22

Features—A rugged, powerful driving unit for screws, nuts and bolts, entirely new in design and construction and embodying latest engineering improvements. For greater strength and service, the switch handle is integral with field case—removable commutator covers afford easy access for inspection and cleaning. Gear and field housings are assembled with through-bolts for added strength and to facilitate inspection.

Applications—This unit also has greater power, improved mechanism and better balance than the former model and is capable of handling constant production work in either wood or metal, screw driving, nut tightening, or construction work, automobile and body work, ship building, railway car building and repair, machinery assembly and crating. Addition of reversing switch greatly expands the uses of this unit for dis-assembling, repair work and preparing "knocked-down" shipments.

Specifications:

Capacity—Hardwood, screws up to No. 16x3¼ inches long.

Lag screw capacity, up to ⅞x4 inches long.

Nut running capacity, up to ¾-inch diameter.

No-load speed 500 r.p.m.

Length over all (not including bit) 14¼ inches.

Net weight 9 lbs.

Universal motor operates on alternating current 110 volts, 25-60 cycles or 110 volts direct current.

Complete with quick-change chuck with ⅞-inch hexagon socket, 13° positive clutch, 3-conductor cable with plug, and one each No. 10 and No. 14 standard bits with centering sleeves.

#TR 54—Weight each 12 lbs.

Std. List, Each \$72.00 Each \$72.00

One in a carton.

BLACK & DECKER PORTABLE ELECTRIC TOOLS

All tools in this line are carefully made of the best material obtainable for the purpose and are carefully inspected before leaving the factory—will give satisfactory service over a long period of time.

Universal Motor—The motors in these tools are of the Universal type and are powerful and smooth-running. They operate on alternating current 110 volts, 25-60 cycles or 110 volts direct current, a feature particularly important where tools are taken out on the job.

#ELECTRIC SCREW DRIVERS TORSIMETER

**ADJUSTABLE
CLUTCH**



Features—The latest development in adjustable clutch screw driving units. An ingenious clutch arrangement makes it possible to pre-determine the amount of torque or torsion to be applied to each particular screw driving job. Once the adjusting screw is set for the desired tension, the tool will automatically release each screw at the same torsion point, insuring uniform screw driving operation. This feature also eliminates marring of screw head or surrounding surface. It is also equipped with a positive clutch which permits the spindle to idle until the bit "finds" the screw slot. This tool is particularly adaptable to the driving of self-threading screws and can be used with socket wrench for hexagon head screws. The compact size and sturdy construction of this unit make it ideal for continuous production service.

Applications—Driving screws of all types, including slotted and hex heads, in metal or wood. Especially adapted for assembling radio and refrigerator cabinets, airplane and automobile bodies and general production cabinet work.

Specifications:

Capacity—Screws up to No. 8.
No-load speed 750 r.p.m.
Length over all 11 $\frac{1}{4}$ inches.
Net weight 4 $\frac{3}{4}$ lbs.
Universal motor operates on alternating current 110 volts, 25-60 cycles or 110 volts direct current.

#TR 52—As described.

Std. List, Each \$57.00 Each \$57.00

#If wanted with paddle switch so specify and add..... Std. List, Each \$3.00 Each 3.00

Weight each 6 lbs.
One in a carton.

#ELECTRIC HAMMERS



Features—Completely self-contained units operated by universal motors and requiring no transformers, rectifiers or other extra equipment. Greatly speed up any drilling or cutting operations requiring a hammer action.

Applications—Drilling and channeling in concrete, stone or brick—caulking joints and seams in tanks, pipe lines, etc.—installing signs, fixtures, theatre seats, etc.—tamping molds and concrete forms—vibrating concrete forms for smooth finish—gouging and shaping wood beams, timbers, etc.—removing form marks from concrete surfaces—removing scale in boilers, tanks, etc.

Complete with turning wrenches, tool retaining spring, drift key and handy fibre carrying case. Universal motor operates on alternating current 110 volts, 25-60 cycles or 110 volts direct current.

Nos.	#TR 103	#TR 104
Label Nos.	32	34
Capacity, inches	$\frac{3}{4}$	1 $\frac{1}{2}$
No. blows per minute	2500	2300
With chuck Nos.	0	1 and 2
With star drill, size, inch	$\frac{5}{8}$	1
Length over all, inches	14 $\frac{5}{8}$	17 $\frac{3}{8}$
Net weight, lbs.	9 $\frac{3}{4}$	17
Shipping weight, lbs.	22	30
Each	\$115.00	145.00
Std. List, Each	\$115.00	145.00

One in a carton.

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#ELECTRIC NUT RUNNERS



**Ball Bearing
UNIT 32**

Features—A complete new unit for handling more efficiently one of the greatest labor-saving operations accomplished by electric tools—power is materially increased over former

model. Rugged construction of housings and all working parts fit this unit for heavy-duty production work. Pin-type clutch in spindle automatically disengages when driving pressure is released. Sturdy internal gear mechanism, proven so successful on high-cycle production tools, is used in this unit. Spade handle and detachable pipe handle. Instant-release switch improves control, insures safety.

Applications—Driving wood screws, lag screws and running up nuts and bolts; assembling metal frames, shelving, partitions, conveyors, stairways, etc.; erecting scaffolding, concrete forms, etc.; crating and lagging down heavy machinery for shipment; with reversing switch, assembling and disassembling units that are shipped "knocked down"; assembly and maintenance on trucks, buses, railway cars, etc.

Specifications:

Capacity—Wood screws, up to No. 20x4 inches long.
Lag screws, up to $\frac{3}{4}$ x4 $\frac{1}{2}$ inches long.
Nuts and bolts, up to $\frac{1}{2}$ inch in diameter.

No-load speed 500 r.p.m.

Length over all (not including bit) 19 $\frac{1}{2}$ inches.

Net weight 22 $\frac{1}{2}$ lbs.

Universal motor operates on alternating current 110 volts, 25-60 cycles or 110 volts direct current.

Complete with 3-conductor cable, plug, and "quick-change" chuck ($\frac{1}{4}$ -inch hexagon), and one hexagon socket wrench $\frac{5}{8}$ inch across flats.

#TR 55—Weight each 31 lbs.

Std. List, Each \$94.00 Each \$94.00

UNIT 42

Features—A completely new, heavy-service unit, with increased power and structural strength for hard driving on production operations. Adapts to universal tool use the successful internal gear mechanism of high-cycle production nut runners. Sensitive pin-type clutch insures more uniform work and gives longer service under constant use—clutch disengages when forward pressure is released. Automatic safety switch in side handle cuts out instantly when operator's grasp is released. Spade handle and detachable pipe handle. Smooth, rounded housing design and assembly is best suited to production work.

Applications—Heavy-duty lag screw driving and nut running on all types of production and maintenance. Especially adapted to marine and railway construction and in steel fabricating plants—structural steel work, bridge, pier and building construction—installing cranes, elevators, conveyor lines, etc.—erecting forms, moulds, scaffolding, etc.

Specifications:

Capacity—Lag screw, up to $\frac{1}{2}$ x5 $\frac{1}{2}$ inches long.

Nuts and bolts, up to $\frac{3}{4}$ inch in diameter.

No-load speed 500 r.p.m.

Length over all (not including bit) 21 $\frac{1}{4}$ inches.

Net weight 31 lbs.

Universal motor operates on alternating current 110 volts, 25-60 Cycles or 110 volts direct current.

Complete with 3-conductor cord and plug, "quick-change" chuck ($\frac{3}{8}$ -inch hexagon), and one hexagon socket wrench $\frac{7}{8}$ inch across flats.

#TR 56—Weight each 44 lbs.

Std. List, Each \$120.00 Each \$120.00

One in a carton.

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PORTABLE ELECTRIC SANDERS

7-INCH HEAVY DUTY



Features—A very powerful Universal motor and sander capable of high-speed production service on any type of metal finishing applications. Unusually sturdy gear construction, housed in steel gear case for longer service under rough handling. Armature mounted on ball bearings. Completely dust-sealed commutator and switch compartments protected from abrasive dust and dirt. Straight line ventilation ports reduce danger of clogging and overheating of motor. Plunger type switch for perfect control and safety in operation. Reversible side handle can be used on either side of tool to suit operator. Flexible pad insures maximum working area and adapts tool to flat or curved surfaces.

Applications—High-speed production sanding and metal finishing of all types. Grinding metal, stone and tile surfaces and finishing concrete with cup or saucer wheel—cleaning metal surfaces, removing scale and rust with wire cup brush—shaping and surfacing timber and other wood surfaces with rotary planer heads.

Specifications:

Diameter sanding disc 7 inches.
Spindle diameter $\frac{5}{8}$ inch, 11-thread.
No-load speed 4200 r.p.m.
Length over all 18 $\frac{1}{2}$ inches.
Net weight 15 $\frac{1}{4}$ lbs.
Universal motor operates on alternating current 110 Volts, 25-60 cycles or 110 volts direct current.
Complete with 3-conductor cable and plug, plunger switch, detachable side handle (which can be used on either side of unit), 7-inch flexible felt and metal pad, twelve 7-inch sanding discs (4 coarse, 4 medium, 4 fine).
#TR 93—Weight each 22 lbs.

Std. List, Each \$75.00 Each \$75.00

9-INCH STANDARD

Features—This unit embodies the same characteristic features of performance and design as the 7-inch heavy-duty sanders. Built especially for those shops desiring larger working-area and slower speed on intermittent sanding and metal finishing operations. Dust-sealed commutator and switch compartment are completely protected from abrasive dust and dirt. Plunger-type switch greatly improves control and increases safety in operation. Straight-line ventilation through ample air-slot prevents clogging and assures cool motor operation. Reversible side handle can be used on either side of tool to suit operator.

Applications—Intermittent service sanding, wire brushing and metal finishing on large areas such as settling tanks, ship hulls, steel bins and partitions—shaping and smoothing structural forms with coarse abrasive discs—cleaning large metal surfaces with cup wire brush.

Specifications:

Diameter sanding disc 9 inches.
Spindle diameter $\frac{5}{8}$ inches, 11-thread.
No-load speed 2700 r.p.m.
Length over all 15 $\frac{1}{4}$ inches.
Universal motor operates on alternating current 110 volts, 25-60 cycles or 110 volts direct current.
Complete with 3-conductor cable with plug, plunger switch, detachable side handle (for either side of unit), 9-inch flexible felt and metal pad, twelve 9-inch sanding discs (4 coarse, 4 medium, 4 fine).
#TR 94—Weight each 22 lbs.

Std. List, Each \$78.00 Each \$78.00

One in a carton.

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7-INCH JUNIOR

(Not for Continuous Production Service)



Features—An entirely new light weight unit for intermittent service in shops that do not require the speed, power or weight of a heavy-duty sander. A compact tool, with improved power, reduced housing diameters and smooth surfaces, better balance and less weight than former model. Improved switch—a thumb-operated tumbler switch improves control and handling and increases safety. Straight-line ventilation through ample air-slots—prevents clogging and insures cool motor operation. Moulded rubber pad adapts the sander to flat or curved surfaces—abrasive discs are held on pad by a flange nut.

Applications—Light-duty sanding and metal finishing on all types of metal surfaces—rough sanding of wood surfaces—removing rust and paint—smoothing welds and casting ridges—removing shipping marks from cases. This tool is not recommended for use with cup wire brushes, cup grinding wheels or rotary planer heads, and is designed only for light-duty intermittent service.

Specifications:

Diameter sanding disc 7 inches.
Spindle diameter and thread $\frac{5}{8}$ inch, 11-thread.
No-load speed 3200 r.p.m.
Length over all 14 $\frac{1}{4}$ inches.
Net weight 7 $\frac{3}{4}$ lbs.
Universal motor operates on alternating current 110 volts, 25-60 cycles or 110 volts direct current.
Complete with 3-conductor cable with plug, detachable side handle, 7-inch flexible rubber pad, three 7-inch sanding discs (1 coarse, 1 medium, 1 fine).
#TR 91—Weight each 13 lbs.

Std. List, Each \$39.50 Each \$39.50

One in a carton.

PORTABLE ELECTRIC GLUE POTS

BLACK & DECKER



Features—Automatic thermostat control which maintains a constant temperature for glue. Nichrome heating element hermetically sealed and protected against moisture and foreign substance. Cast aluminum glue pot is carefully machined to fit in the water jacket, conserving heat and reducing current consumption. Iron water pot. Equipped with convenient carrying handle and heavy iron brush wiper.

Applications—Ideal for use in book binderies, printing plants, furniture and cabinet factories, toy factories, piano factories, etc. Especially designed for continuous use where maintenance of constant working temperature is important.

For Alternating Current 110 Volts Only.

Complete with two-wire cable and attachment plug.
#TR 89—Capacity glue container 2 quarts. Net weight 11 $\frac{1}{2}$ lbs. Shipping weight 13 lbs.

Std. List, Each \$19.50 Each \$19.50

One in a carton.

BLACK & DECKER PORTABLE ELECTRIC TOOLS

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Motors—For single phase alternating current 110 volts, 60 cycles only.

ELECTRIC BENCH GRINDERS

6-INCH JUNIOR

Ball Bearing



Features—A sturdy, well-balanced bench grinder for practical shop use. Perfectly proportioned and handsomely finished in brilliant aluminum. Powered by a Standard Black & Decker constant speed motor of ¼ h. p. rating. Carefully balanced rotor and wheel spindle mounted on full-size ball bearings—

special protective sleeves cover these bearings to keep out abrasive dust and dirt. Generous size wheel guards, made extra strong by the use of a new alloy which combines lightness with high tensile strength. Guards are cast integral with motor housings for greater clearance, and provide ample room for use of wire wheel brushes.

A wide, substantial base provides a secure "footing" for the grinder and insures steady, vibrationless operation. A toggle starting switch is conveniently mounted in the base. Sturdy, full-size tool rests, also of the light, strong alloy are firmly locked in base grooves with wing nuts, easily adjusted to compensate for wheel wear. A convenient carrying handle and four rubber feet adapt the Junior Grinder to instant use at any convenient spot—it may also be bolted to the bench, if desired. Full size extra wide grinding wheels—one fine and one medium wheel supplied with the bench grinder.

Complete with 3-conductor cable with plug, toggle switch in base, rubber feet, two adjustable wheel guards with tool rests, two 6-inch grinding wheels—one medium and one fine.

Specifications:

Wheel size 6x¾x½ inches.
No-load speed 3600 r. p. m.
Spindle length 12¼ inches.
Motor rating ¼ h. p.
Net weight 31½ lbs.

Motor is not Universal—for single phase alternating current 110 volts, 60 cycles only.

TR 66—Weight each 34 lbs.

Std. List, Each \$22.50 Each \$22.50

6-INCH HEAVY DUTY

Ball Bearing



Features—An improved model of this popular "wide-type" grinder, at a most attractive new low price. A full powered grinder for bench or pedestal use, at a price that will make it available to many shops for tool sharpening, wire brushing, polishing, buffing and general shop work.

Motor power has been increased to full ½ horsepower. Extended wheel spindle and tapered end housings greatly increase the wheel clearance for grinding large and odd-shaped pieces. Completely enclosed wheel guards and adjustable tool rests combine maximum safety with maximum accessibility. End covers are removable for changing wheels. Guards are adjustable radially for grinding in any position. Tool rests are easily adjusted to compensate for wheel wear or quickly removed for special grinding work. Guards are drilled and tapped for mounting eye shields, which can be furnished at slight extra cost. Convenient carrying handle and rubber feet adapt the grinder to use at any desired point. Grease-sealed ball bearings near ends of spindle insure smooth operation.

Specifications:

Wheel size 6x¾x½ inches.
No-load speed 3600 r.p.m.
Motor rating ½ h. p.
Spindle length 15 inches.
Net weight 45 lbs.

Complete with 3-conductor cable and plug, toggle switch in base, carrying handle, rubber feet, two adjustable wheel guards with tool rest, two 6-inch grinding wheels—one medium, one fine.

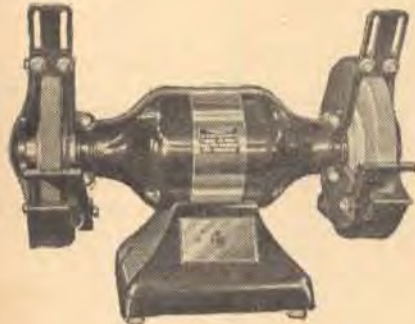
Motor is not Universal—for single phase alternating current 110 volts, 60 cycles only.

TR 67—Weight each 50 lbs.

Std. List, Each \$38.00 Each \$38.00

One in a wood case.

10-INCH BALL BEARING



Specifications:

Wheel size 10x1x¾ inches.
No-load speed 1800 r.p.m.
Motor rating 1 h. p.
Spindle length 22¼ inches.
Net weight 137 lbs.

Features—A completely new, full powered bench and pedestal grinder, of the popular "wide-type" construction, with many important features. Full 1 horsepower constant speed motor. Strong, completely enclosed wheel guards, with exhaust outlets for connection to exhaust system. Guards can be adjusted radially for grinding in any position. Tool rests and spark shields, mounted on guards, are adjustable for wheel wear. Wire leads are brought out for permanent wiring, with housing drilled and tapped for conduit—and connector furnished for armored cable. Grounding is accomplished through conduit or armored cable cover. Ball-bearing set close to wheels eliminate vibration and insure smooth operation. Long spindle and tapered housing allow ample room for handling large and awkward pieces.

Standard Equipment—Lead wires for permanent connections, toggle switch in base, starting switch on one phase unit, two enclosed wheel guards with exhaust outlets, tool rests and spark shields, two 10-inch grinding wheels—one medium, one coarse.

Motor is not Universal—for single phase 60 cycle alternating current.

#TR 83—Weight each 150 lbs.....Std. List, Each \$98.00 Each \$98.00

One in a wood case.

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BLACK & DECKER PORTABLE ELECTRIC TOOLS

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Universal Motor—The motors in these tools are of the Universal type and are powerful and smooth-running. They operate on alternating current 110 volts, 25-60 cycles or 110 volts direct current, a feature particularly important where tools are taken out on the job.

LECTRO-SHEARS



The Lectro-Shear is a brand-new unit in the Black & Decker line, with many features of advanced engineering design and performance.

Versatility—The Lectro-Shear will cut all types of sheet metal quickly, easily and accurately. It will cut on a radius as small as $\frac{1}{8}$ inch, and easily follows a straight or patterned line. It will cut up to its rated capacity in steel and galvanized iron, 1 gauge thinner in monel metal and stainless steel, and at least 50% greater than rated capacity in copper, tin, aluminum, lead and other non-ferrous metals.

Construction—The shearing action in Lectro-Shear is accompanied by the rapid reciprocating action of a vertical blade against a stationary horizontal blade, set in a special shoe which indicates the correct cutting angle and adapts the tool to all types of cutting work.

The unit is full ball bearing equipped (except the eccentric, which is steel on phosphor-bronze), and powered with a Universal motor, operating on either alternating or direct current.

Smooth, streamlined aluminum housing eliminates all obstructions and unnecessary weight and make the Lectro-Shear most compact and easy to use.

Simplicity of construction reduces service replacements to a minimum and increases the life of the tool.

It is not necessary to adjust blades for varying gauges or type of metal. Blades can be reground without the necessity of special fixtures.

Standard Equipment—Both units—3-wire cable and plug (3rd wire for grounding, thumb control switch, one set Lectro-Shear blades.

Universal motor operates on alternating current 110 volts, 25-60 cycles or 110 volts direct current. Cutting speed (strokes per minute), no-load speed 2500; full-load speed 1500.

Specifications:

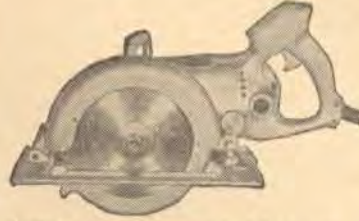
Nos.	‡ TR 258	TR 259
Capacity in Steel (U. S. Standard Gauge)	18 Gauge	16 Gauge
Minimum Cutting Radius, Inch	$\frac{3}{8}$	$\frac{3}{4}$
Length Over All, Inches	11	11 $\frac{3}{4}$
Net Weight, Lbs.	6 $\frac{3}{4}$	8
Shipping Weight, Lbs.	7 $\frac{3}{4}$	9
Std. List, Each	\$60.00	76.00
Each	\$60.00	76.00

One in a carton.

‡ Goods marked thus (‡) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

ELECTRIC SAWS



Double power, complete safety, perfect balance, versatility, less weight. This new 7 inch portable electric saw has features that offer an outstanding value to carpenters, builders, contractors, wood-working plants, shipping departments,

freight handlers and other saw users.

Motor power has been increased to double that of former comparable model—and is transmitted by efficient worm gears to deliver maximum power to the blade. Cool motor operation is assured by perfect ventilation with an efficient fan and ample vent slots.

The new 7-inch size is the most widely useful of all portable saw units—with a 2 $\frac{1}{2}$ inch maximum depth of cut, handling all popular lumber sizes. Depth can be adjusted and set at any point up to maximum.

The new close-coupled design has materially reduced weight and length in this new saw, offering a compact unit with perfect operating balance and a minimum of operator fatigue. "Saw Grip" switch handle and correctly placed front handle—add to the easy use of this tool.

Many types of work are possible with this new unit. In addition to the adjustable depth of cut, the saw table may be tilted for angle or bevel cutting and locked at any angle from 0° to 45°. The unit is provided with a detachable, adjustable rip-fence, which accurately measures and guides rip-cutting up to 6 inches wide. A "Sight" notch at front of saw table makes it easy to follow pencil mark or other guide. Various types of blades and abrasive discs are available, adapting this tool to rip-sawing, cross cutting, metal cutting, slotting marble, asbestos, transite, tile and porcelain.

Special attention to safety features make this saw practically "Fool-proof." The telescoping guard covers the blade at all times, except when actually cutting. The inner guard, mounted on ball bearings, opens as saw advances into the work, and closes the instant the cut is finished. The outer guard swivels on spindle housing to follow depth-of-cut adjustment. A 2-pole, instant-release switch mounted inside the grip avoids accidental turning-on, and cuts off immediately when the operator's grasp is released.

Standard Equipment—2-pole instant-release switch, 3-wire cable and plug (3rd wire for grounding), adjustable saw table, detachable ripping fence, one 7 inch combination rip and cross cut blade, one 7 inch cross-cut blade, one carrying case, tube of special lubricant for worm gear.

Specifications:

Diameter of saw blade 7 inches.
Diameter of spindle 1 $\frac{1}{2}$ inches.
Maximum vertical depth of cut—
On vertical cut 2 $\frac{1}{2}$ inches.
On 45° cut 1 $\frac{1}{2}$ inches.
Speed—No-load, 3,200 r.p.m.
Full load 2,200 r.p.m.
Weight, net, 17 $\frac{1}{2}$ lbs.
Length over all 17 $\frac{1}{2}$ inches.

Universal motor operates on alternating current 110 volts, 25-60 cycles or 110 volts direct current.

TR 260—Weight each 31 $\frac{3}{4}$ lbs.

Std. List, Each \$105.00 Each \$105.00

One in a carton.

BLACK & DECKER PORTABLE ELECTRIC TOOLS

All tools in this line are carefully made of the best material obtainable for the purpose and are carefully inspected before leaving the factory—will give satisfactory service over a long period of time.

Universal Motor—The motors in these tools are of the Universal type and are powerful and smooth-running. They operate on alternating current 110 volts, 25-60 cycles or 110 volts direct current, a feature particularly important where tools are taken out on the job.

PORTABLE ELECTRIC GRINDERS



Nos. TR 59 and TR 60



No. TR 61

Features—A complete redesigned line, using the most advanced features of portable grinder construction. Increased power over previous models of similar rated capacity. Full size ball bearings, set at extreme ends of wheel spindle, absorb all side thrust and insure long life. Armature shaft also mounted on ball bearings. Completely enclosed commutator and switch compartments protect these parts from abrasive dust. Improved ventilating system forces air straight through ample slots which prevent clogging and accumulation of dirt. Air is blown against the wheel, not in operator's face. Shaped grip prevents tool turning in operator's hand. Horizontal switch handles on all models improve balance and handling. Adjustable wheel guards can be turned to any desired position.

Applications—Grinding, wire brushing, buffing and polishing all types of metal surfaces, where the grinder must be taken to the work—removing rust, scale, paint, etc., from ships, cars, tanks, bridges, etc.—touching up metal bodies fenders, cabinets and other surfaces before painting—grinding, buffing and polishing large metal frames, windows, doors, partitions and panels—grinding or cutting off rivets, bolts, pins, studs, etc.—smoothing welded surfaces.

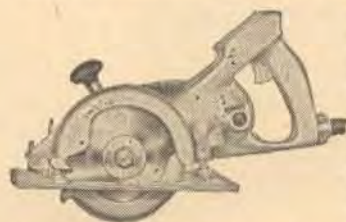
Standard Equipment — 3-conductor cable and plug, plunger switch, grip end handle, adjustable wheel guard, and one grinding wheel.

Universal motor operates on alternating current 110 volts, 25-60 cycles or 110 volts direct current.

Nos.	#TR 59	TR 60	#TR 61
Wheel Size, Inches	4x 3/4 x 1/2	5x 3/4 x 1/2	6x 1 x 3/8
No-load Speed, R.P.M.	4500	3800	3300
Length Over All, Inches	23	23 3/4	25 1/2
Net Weight, Lbs.	12 1/2	15 1/2	23 1/2
Shipping Weight, Lbs.	18	30	35
Each	\$62.00	80.00	100.00
Std. List, Each	\$62.00	80.00	100.00

One in a carton.

#PORTABLE ELECTRIC TRIM SAWS



A very light, handy power saw specially designed for trim work and light crating, ideal for builders and shipping departments.

Power is transmitted by efficient worm gears. Cool motor operation is assured by an efficient fan and ample ventilation slots. The new

close-coupled design has materially reduced weight and length. "Saw grip" switch handle and correctly placed front handle give perfect balance and assure a minimum of operator fatigue. Universal motor operates on 110 volts, 25-60 cycles or 110 volts direct current.

Cutting depth adjustable to any point up to maximum—table can be tilted for bevel cutting at any angle to 45°. A detachable, adjustable rip fence guides rip-cutting up to 6 inches. "sight" notch makes it easy to follow pencil mark. Telescoping guard covers blade except when cutting. Inner guard opens as saw enters cut and springs closed as saw emerges—outer guard swivels to follow depth adjustment. Accidents prevented by 2 pole instant release switch inside grip.

Diameter saw blades—5 inches. Diameter spindle—1 1/4 inches. Maximum depth cut: on vertical cut 1 3/8 inches—on 45° cut 1 inch. Speed—no-load 4200 R.P.M.; full-load 2800 R.P.M. Net weight 11 1/4 lbs., length over all 14 inches.

Complete with 3-conductor cable with plug, one 5 inch combination rip and cross cut blade, one carrying case, 1/2 lb. can special lubricant for worm gear and T-handle wrench.

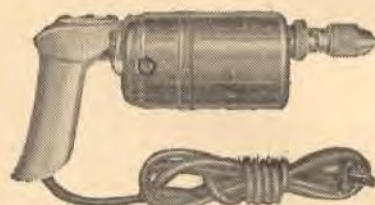
#TR 285—Shipping weight 22 lbs.

Std. List, Each \$75.00 Each \$75.00

One in a carton.

ELECTRIC SPEED DRILLS

KNAPP-MONARCH



• Will prove indispensable to amateurs and professionals for use on wood or metal. Convenient for home, office, radio maintenance and workshop. Light and perfectly balanced for easy

handling. Non-fatiguing pistol grip handle with thumb control switch. Well ventilated motor. Recessed brush holder. Knurled collar for easy removing and inserting of drill bits. Sturdy chuck. Outside diameter of housing only 2 1/8 inches, permits drilling 3/4 inch from corner. Phosphor bronze gears. Mica insulated commutator. Chuck holds drill bit up to 3/4 inch.

(Operates on 115 volts A. C. and D. C. current.)

TB 22-8—Weight each 28 lbs.

Std. List, Each \$9.95 Each \$9.95

One in an attractive merchandising carton.

KEEN KUTTER
TOOLS
ARE FINE TOOLS

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

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ELECTRIC GRINDERS

BALDOR — "BETTER GRINDERS" FOR LONG, ECONOMICAL SERVICE

- Ball bearing equipped—dynamically balanced—wheels equipped with Baldor patented balancing flanges. Smooth, quiet, steady operation!
- Extra margin of power guaranteed by conservative rating of motors.

- Totally enclosed bearings, sealed in special dust-proof housings for longer life.
- Complete with wheels, adjustable cast iron tool rests, removable cast iron guards, convenient switch in base, and cord with plug.

MODELS WITH SINGLE PHASE CAPACITOR TYPE MOTOR— GUARANTEED AGAINST BURN-OUT FOR TWO YEARS

The grinder wheels may actually be held in a locked position while the current is turned on for as long as twenty minutes—without serious injury to the motor.

No commutators, brushes nor centrifugal switches to wear out. Will give years of trouble-free operation, without servicing.



6-INCH— PORTABLE

For sharpening small tools and for miscellaneous work.

A "handy," compactly built grinder. Wide clearance between wheels and motor frame gives ample room for grinding operations—guards afford ample space for use of wire wheel brush. Convenient carrying handle.

Distinctively finished in red and black.

Wheel size 6x $\frac{5}{8}$ inches; $\frac{1}{2}$ -inch arbor. Net weight 39 $\frac{1}{2}$ lbs.

$\frac{1}{4}$ H. P. Motor

No-load Speed 3400 R.P.M.

With capacitor type motor, operates on single phase, 110-volt, 60 cycle, A. C. current.

#TY 548—Shipping weight 43 lbs.

Std. List, Each \$19.50 Each \$24.50



6-INCH BENCH TYPE

A general purpose, utility grinder—built to give years of reliable service—at a price anyone can afford to pay.

Wide clearance between wheels and motor frame gives ample room for grinding operations.

Completely enclosed

wheel guards afford maximum safety. Wheels are wide enough for easy use.

Wheel size 6x1 inches, $\frac{1}{2}$ -inch arbor. Net weight 46 lbs.

$\frac{1}{2}$ H. P. Motor

No-load Speed 3440 R.P.M.

With split phase (not capacitor type) motor. Operates on 110-volt, single phase, 60 cycle A. C. current.

#TY 604—Shipping weight 59 lbs.

Std. List, Each \$25.00 Each \$31.75



7-INCH BENCH TYPE

Particularly well-adapted for grinding of oddly shaped or large pieces. Tapered end bells provide wide clearance between wheels and motor frame—wheels extend $\frac{1}{2}$ -inch beyond front of motor.

Completely enclosed guards afford maximum protection combined with easy accessibility for grinding operations. Ruggedly constructed with heavy shaft and $\frac{3}{8}$ -inch arbor.

Wheel size 7x1 inches. Heavy shaft, $\frac{3}{8}$ -inch arbor. Net weight 61 lbs.

$\frac{1}{2}$ H. P. Motor

No-load Speed 3400 R.P.M.

#TY 704—With capacitor type motor. Operates on 110-volt, single phase, 60 cycle, A. C. currentStd. List, Each \$40.00 Each \$50.75

#TY 705—With poly phase (not capacitor type) motor. Operates on 220-volt, 2 or 3 phase, 60 cycle, A. C. current.....Std. List, Each \$40.00 Each \$50.75

Shipping weight 74 lbs.



8-INCH—PEDESTAL TYPE

For heavy duty tool grinding or for light production service.

Ruggedly constructed throughout for long, hard service. Heavy shaft, $\frac{3}{4}$ -inch arbor.

Completely enclosed wheel guards with spark shields afford maximum safety combined with easy accessibility for grinding operation.

Wheel size 8x1 inches. Heavy shaft, $\frac{3}{4}$ -inch arbor. Net weight 140 lbs.

With single phase, 110-volt, 60 cycle, capacitor type motor.

$\frac{1}{2}$ H. P. Motor

No-load Speed 1700 R.P.M.

#TY 800—Shipping weight 160 lbs.....Std. List, Each \$63.00 Each \$79.00

$\frac{3}{4}$ H. P. Motor

No-load Speed 3400 R.P.M.

#TY 803—Shipping weight 170 lbs.

Std. List, Each \$69.00 Each \$87.00

One in a crate.

PACKED COMPLETE WITH WHEELS

#Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

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STARRETT'S TOOLS

World's Standard for Accuracy—For Craftsmen Who Appreciate Truly Fine Precision Tools

- Starrett's tools are made from finest obtainable materials by skilled mechanics—are carefully tested at every stage of manufacture for accuracy, workmanship, design and finish to insure perfection.
- All markings are perfectly clear—easily and quickly read—all adjustments are easily made.

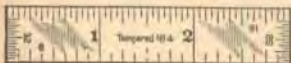
STEEL RULES

Made to conform with accurate standards furnished by United States Government. These spring tempered rules are finely polished and durable. Distinctive graduations are machine divided for accuracy.



Quick Reading Figures

Graduated on both sides: one side, edges in 8ths and 16ths inch, reverse side edges in 32nds and 64ths (quick reading figures). Both ends, one side in 32nds.



Approximate thickness $\frac{3}{16}$ -inch or No. 18 gauge.

Nos.	Each	Length, Inches	Width, Inches	Dozen, Lbs.
TR 603/6	\$0.90	6	$\frac{3}{4}$	1
TR 603/12	1.65	12	1	1 $\frac{1}{2}$

Extra Thin—Flexible

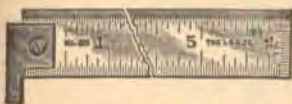
Will easily conform to a 2-inch circle. Graduated on one side only in 32nds and 64ths. Length 6 inches, width $\frac{1}{2}$ inch.



TR 320/6—Weight per carton 2 ounces.....Each \$0.90

One in an envelope—six in a carton.

HOOK RULES



(Removable)

Convenient hook for taking measurements from points where you cannot see if rule is even with measuring edge—as around corners, through hubs of pulleys, setting inside calipers. Hook may be quickly removed by turning eccentric stud one-half turn.

Graduated on both sides: one side, edges in 32nds and 64ths inch; reverse side edges in 8ths and 16ths inch. One end, both sides in 32nds inch. Thickness $\frac{3}{16}$ inch or No. 18 gauge.

Nos.	Each	Length, Inches	Width, Inches	Wt. per Ctn., Oz.
TR 419/6	\$1.25	6	$\frac{3}{4}$	4
TR 419/12	2.15	12	1	8

Four in a carton.

COMBINATION SETS



Protractor Head Added to Combination Square for Greater Variety of Uses.

Has more varieties of uses in laying out and testing work than are possible with any other instrument used by mechanics. Is convenient to have—easy to use.

Composed of No. TR 1112 combination square (a hardened polished, strong steel blade and a movable metal stock holding an accurate, protected bevel)—plus a center head with 7-inch bevel protractor which can be accurately adjusted to show any angle. A level, adjustable to show any degree, is attached to one side of protractor head. Blade graduated on both sides: one side edges in 32nds and 64ths inch, reverse side edges in 8ths and 16ths inch. Protractor graduated in degrees from 0 to 180, both left and right. Length 12 inches.

TR 9/12—Weight each 2 lbs.....Each \$6.60

One in a carton.

COMBINATION SQUARES



Complete substitute for whole set of ordinary try squares.

With adjustable blade this forms one of the most convenient tools ever devised for mechanics' use—one of the best gauges made for

transferring exact measurements or laying out work. For a miter it is perfect, while with the auxiliary center head it forms a centering square, both inside and outside, which has no equal for convenience and accuracy. Handy as a depth gauge or to square in a mortise.

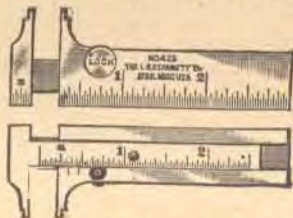
Hardened steel blade—finely polished. Movable metal stock—fitted with accurate protected level. Complete with center head.

Graduated on both sides: one side edges in 32nds and 64ths inch, reverse side edges in 8ths and 16ths inch.

Nos.	Each	Length, Inches	Weight, Lbs.
TR 11/6	\$2.40	6	$\frac{1}{2}$
TR 11/12	3.60	12	1 $\frac{1}{4}$

One in a carton.

POCKET SLIDE CALIPERS



Can Be Held and Locked by Same Hand

Easily used improved clamping device with left hand thread (see illustration), may be locked by thumb of same hand in which tool is held. Quickly adjusted—two lines on stock (see lower illustration) enable you to get

either inside or outside measurements. Hardened steel—finely polished and precisely graduated. Graduations: Stock in 32nds inch, slide in 64ths inch.

Nos.	Each	Size, Inches	Depth, Inches	Size Nibs, Closed	Weight, Lbs.
TR 425/3	\$4.00	3	$\frac{1}{4}$	.125	2
TR 425/5	5.00	5	$1\frac{1}{16}$	.250	3

One in a carton.

WORK TEST INDICATORS



UNIVERSAL JUNIOR

Unusually sensitive and flexible — covers about every conceivable application. Easy to use.

Rotating friction sleeve with movable, frictionally held, ball contact point—always permits the .001 graduated plate, with a range of .012 to be maintained in the preferred position. This eliminates physical and eye strain, double graduated scale or mirror. Tool can be used on side of shank at one end or on top of shank at other end.

Durably constructed of case-hardened steel with die-cast parts. Shank size approximately $\frac{1}{4} \times \frac{1}{2} \times 5$ inches. Indicator case thickness about $\frac{1}{4}$ -inch, tapering from $\frac{1}{16}$ -inch to $\frac{1}{8}$ -inch ball diameter—length 2 $\frac{1}{2}$ inches.

TR 564—Weight each 4 ounces.....Each \$5.00

One in a carton.

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STARRETT'S TOOLS

World's Standard for Accuracy—For Craftsmen Who Appreciate Truly Fine Precision Tools

CENTER GAUGES



Quickly Determines
Threads to the Inch

Speeds work of grinding and setting screw cutting tools. Also convenient for measuring screw threads.

Spring tempered, polished steel blade. Graduated in 14ths, 20ths, 24ths and 32nds inch. U. S. standard 60° inclination.

TR 391—Weight per carton 3 ounces.....Each \$0.50

Six in a carton.

WIRE GAUGES

AMERICAN STANDARD

For non-ferrous metals—adopted by the Brass Manufacturers in January, 1858, and widely used ever since. Particularly useful for gauging sheets, plates and wire of copper, brass, aluminum, etc.—also for electricians' use.

Has black finish and is tested after hardening. Decimal equivalents (approximately) of each number stamped on back for quick reference.

Diameter 3¼ inches.

TR 281—Nos. 0 to 36. Weight per box ½ lb.Each \$3.00



U. S. STANDARD FOR UNCOATED SHEET AND PLATE IRON AND STEEL

The recognized commercial standard for uncoated metals—adopted by Congress, March 3, 1893—based on weights in ounces per square foot.

Black finish, carefully tested after hardening. Decimal equivalents (approximately) of each number stamped on back for quick reference.

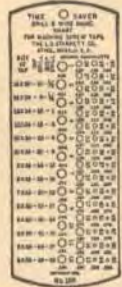
Diameter 3¼ inches.

TR 283—Nos. 0 to 36. Weight per box ½ lb.Each \$3.00

Two in a box.

TAP AND DRILL GAUGES

TIME SAVER



Enables the user to select at once the right size drill to suit machine screw taps most commonly used, leaving just stock enough to cut as near a full thread as practicable for one tap without breaking it.

Gauge indicates—number or size of tap—pitch or size of thread—proper size of drill to use which will leave the right stock for proper thread—and proper size of drill to use to let tap, screw or bolt through freely. Also has holes indicating numbers of drills 1 to 60—figures designating size of holes in thousandths of an inch.

Gauge is hardened, ground and rubbed to a bright finish and is thoroughly tested after hardening. Approximately ⅝ inch thick, 2½ inches wide and 6¼ inches long.

TR 185—Weight per box 1 lb.....Each \$2.40

Three in a box.

SCREW PITCH GAUGES

Handy—Complete

Sharp, clean teeth readily determine by comparison the pitch of a thread.

Reads inside or outside threads—the free ends of leaves are made narrow for insertion into small nuts.

Double depth reading gives shank dimensions. Decimal figures stamped on leaves indicate double depth of



thread—which equals depth of threads on two sides of a tap having the same pitch. You can thus know at once what size drill to use to leave a full V-thread for a tap of the same pitch.

Has 22 leaves—9 to 40, V-thread pitches, including 11½ and 27 pipe thread pitches. Pitches: 9, 10, 11, 11½, 12, 13, 14, 15, 16, 18, 20, 22, 24, 26, 27, 28, 30, 32, 34, 36, 38 and 40.

TR 40SP—Weight per carton 3 ounces.....Each \$1.25

One in a box—six in a carton.

THICKNESS GAUGES

OR "FEELERS"

Popular Size for All Trades

This gauge is particularly popular with machinists and tool makers in gaging narrow slots, as well as with the motor mechanics in adjusting the air gap for the valves on motors. The leaves fold in a metal case to protect them from kinking.



Nine leaves 3¼x½ inches—measure .0015, .002, .003, .004, .006, .008, .010, .012 and .015 inch.

TR 172A—Weight per dozen ¾ lb.....Each \$1.50

One in a box—six in a carton.

Made Especially for Garage Mechanics

Contains a number of leaves for gauging adjustment of motor tap-pets—also for gauging of slots from .0015 to .031 inch.

Leaves fold into metal case which protects them from kinking.

Six leaves 2¼x½ inches—measure .0015, .002, .003, .004, .006, and .015 inch.



TR 71—Weight per dozen ½ lb.....Each \$0.90

Twelve in a box.

DEPTH GAUGES

Easy—Non-Slip Adjustment

Blade conveniently held in a groove in the head—secured by knurled lock nut. Cannot slip loose while measuring.

Case-hardened steel head—2 inches wide at base, ¾-inch thick. Narrow, flexible blade of spring tempered steel 6 inches long—can be used separately from head.

Blade graduated in 32nds and 64ths inch.

TR 237—Weight each 1 ounceEach \$1.50



One in a box.

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STARRETT'S TOOLS

World's Standard for Accuracy—for Craftsmen Who Appreciate Truly Fine Precision Tools

MICROMETER CALIPERS

With Ratchet Stop and Lock Nut

Strongly built for enduring accuracy. Anvil and spindle hardened, ground and lapped to assure perfect "feel." Knurled lock nut holds spindle true—locks it firm when desired. Ratchet stop permits quick use of tool without danger of over-tightening spindle. Quick adjusting micrometer. Stain-resisting finishes.



Polished Steel With Cut-Away Frame

Specially designed with short anvil for use in places where ordinary frame cannot be inserted. Width of anvil end of frame approximately $\frac{1}{2}$ inch.

For measurements by thousandths—decimal equivalents clearly marked on frame. Range 0 to 1 inch.

TR 230—Weight each $\frac{1}{2}$ lb. Each \$10.00



Black Enameled Frame Other Parts Polished

Ordinary frame pattern. For measurements by thousandths—decimal equivalents clearly marked on thimble.

Nos.	Each	Range, Inches	Weight Each, Lbs.
TR 436/1RL	\$7.75	0 to 1	$\frac{1}{2}$
TR 436/2RL	8.50	1 to 2	$\frac{3}{4}$
TR 436/3RL	9.25	2 to 3	1
TR 436/4RL	10.00	3 to 4	$1\frac{1}{4}$

One in a wood box.

FIRM JOINT, IMPROVED CALIPERS

Smooth, uniform movement is assured by special construction of joint which is drawn together by means of a screw. The main stud is squared and fitted to one leg, thus preventing stud from turning when loosening or tightening to adjust friction tension.

Tools durably constructed of high-grade steel, tempered and polished. Capacity about one-third greater than length of caliper.



INSIDE

Nos.	Each	Length, Inches	Wt. Per Box, Lbs.
TR 27/8	\$1.00	8	1
TR 27/10	1.10	10	$1\frac{1}{4}$
TR 27/12	1.20	12	$1\frac{1}{2}$



OUTSIDE

Nos.	Each	Lgth., In.	Wt. Per Box, Lbs.
TR 26/8	\$1.00	8	1
TR 26/10	1.10	10	$1\frac{1}{2}$
TR 26/12	1.20	12	2

Three in a box.

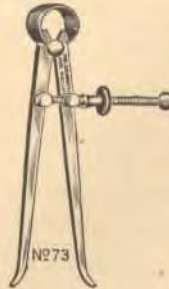
SPRING CALIPERS

The stiff spring bow holds legs firmly to the exact adjustment of nut and screw.

Tools strongly made of high-grade steel, polished and tempered—hardened fulcrum for long wear. Solid, easy adjustment nut.

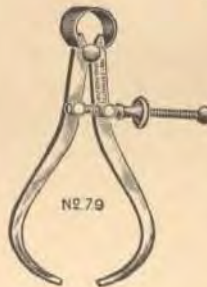
INSIDE TRANSFER

Spring bow feature makes these calipers especially desirable. Tool may be sprung closed for easy removal after taking measurements, and when released will accurately return to original position showing exact size calipered.



Nos.	Each	Lgth., In.	Wt. Per Box, Oz.
TR 73/4	\$0.90	4	5
TR 73/5	1.00	5	6
TR 73/6	1.05	6	9
TR 73/8	1.20	8	15

OUTSIDE



Nos.	Each	Lgth., In.	Wt. Per Box, Oz.
TR 79/4	\$0.90	4	5
TR 79/5	1.00	5	6
TR 79/6	1.05	6	9
TR 79/8	1.20	8	17

Three in a box.

SPRING DIVIDERS



The stiff spring bow holds legs firmly to the exact adjustment of nut and screw—if legs are sprung closed they will, when released, accurately return to original position showing exact size calipered. Tools strongly made of high-grade steel, polished and tempered—hardened fulcrum for longer wear. Solid, easy adjustment nut. Sharp-pointed legs.

Nos.	Each	Length, Inches	Weight Per Box, Lbs.
TR 83/4	\$0.90	4	5
TR 83/5	1.00	5	6
TR 83/6	1.05	6	9

Three in a box.

SCRIBERS



POCKET STYLE

Safe to Carry

Safe as a pen-knife—convenient to carry and use. Scriber is reversible, telescoping into stock—securely held inside by a slight turn of the chuck. Hexagon head prevents rolling off bench.

Sturdy stock made from steel tubing knurled for easy grip and nickel-plated. Scriber is best quality steel—hard tempered, and sharp. Held by knurled chuck.

Nos.	Each	Diameter Handle, In.	Length Blade, In.	Wt. Per Box, Ozs.
TR 70A	\$0.35	$\frac{1}{4}$	$2\frac{3}{8}$	3
TR 70B	.50	$\frac{3}{8}$	$2\frac{7}{8}$	6

Six in a box.

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SPEED INDICATORS

STARRETT



IMPROVED

Easier counting by touch—no need to watch two dials.

To set—simply move rotating disc to starting point

where raised knobs coincide.

To count—hold spindle against revolving shaft and press raised knob with thumb to prevent turning of rotating disc until you are ready. When hand of watch moves into starting position release knob and counting disc will start rotating. Every one-hundredths revolution of the shaft may be noted by feeling the knob pass under the thumb lightly pressed against disc, thus relieving the eye, which has only to look on the watch to note the time.

As Well Made as a Fine Watch

All working parts enclosed for full protection—precisely and durably made. Full nickel-plated case with rubber handle for safe insulation when used on electrical work.

TR 106—Weight each 5 ounces.....Each \$1.85

One in a box.

KEEN KUTTER

Positive, Accurate Register—Easy Operation



Perfected mechanism accurately determines speed of revolving axles or spindles. Registers up to 100 revolutions.

- **Right or Left Hand**—Dial numbered to count in either direction that the shaft may turn.
- **Easily Set**—Indicator plate quickly set by pressing it against dial and turning it with finger.
- **Non-Slip Tips**—Eliminate error. Fitted with rubber tips for both pointed and hollow center shafts.

Excellent, Durable Construction. Fine mechanism entirely enclosed within nickel plated cast steel frame. Nickel plated knurled steel handle is easy to hold.

TB K40—Weight per dozen 3 lbs.....Each \$1.75

One in a carton.

PICK THE RIGHT TOOL

TO DO THE JOB.

YOU COULDN'T DO

BETTER THAN TO

PICK

KEEN KUTTER

DIVIDERS

KEEN KUTTER



Lock Tight, Easy Adjustment

Firm joint with brass bearing for even tension—longer life. Easy turning knurled edge adjustment screw.

Forged from high grade tool steel—tempered and polished for long, exacting service.

Nos.	Each	Length, Inches	Wt. Per Doz., Lbs.
TB K16D	\$0.75	6	3½
TB K17D	.85	7	3¾
TB K18D	.95	8	4

One-half dozen in a carton.

SIMMONS LEADER



Good Quality at a Low Price

Brass joints. Smooth-action thumb screw and nut. Forged from good quality steel, polished.

Nos.	Each	Length, Inches	Wt. Per Carton (6), Lbs.	Std. List, Each
TB SP10	\$0.59	6	2	\$0.59
TB SP1	.69	8	2¼	.69

Six in a carton.

CALIPERS

High grade tool steel, polished and tempered for long, accurate service.



INSIDE Spring Head

Firmly fixed, strong spring clip, makes it possible to spring calipers closed for easy removal—they spring back to exact measurement when released. Solid nut. Length 6 inches.

TB 510—Weight per dozen 3 lbs.....Each \$1.19

OUTSIDE CALIPER

Firm Joint

Steady friction, fixed tension joint makes rapid calibration easy—no binding nor slipping to create errors. Length 6 inches.

TB 403—Weight per dozen 2½ lbs.....Each \$0.89

One-quarter dozen in a carton.

SCRIBERS

IMPROVED ACME



Adjustable point and wing nut at joint for positive setting. Polished stamped steel, with steel wing nut.

One leg firmly holds pencil other leg contains steel point that can be adjusted by moving thumb piece. Length 3½ inches.

TB 9—Weight per dozen 1 lb.....Each \$0.15

One dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

THUMB TACKS

MOORE

Keen, Penetrating Point—Easy to Push



High grade steel with colored enameled head. Sharp point.

Diameter head $\frac{7}{16}$ inch. Length of point $\frac{1}{4}$ inch.

5 CENTS PER BOX

Assorted Colors

Nos.	Per Box of 24	Color
TB 82G	\$0.05	Green
TB 82W	.05	White
TB 82R	.05	Red
TB 82I	.05	Ivory
TB 82B	.05	Blue
TB 82Y	.05	Yellow

Weight per carton $1\frac{1}{2}$ lbs.

Twenty-four in a box. Three dozen boxes in a carton.



High grade solid head nickel plated steel. Sharp point.

Diameter head $\frac{3}{8}$ inch. Length point $\frac{1}{4}$ inch.

TB 5136 — Weight per carton $1\frac{1}{4}$ lbs.

Per Box of 36 \$0.05

Thirty-six tacks in a box. Two dozen boxes in a carton.



Superior One-Piece

Solid construction prevents heads from breaking off when tacks are pried loose. Large heads and extra sharp, cut-out swaged points. High-grade steel. Heads $\frac{7}{16}$ inch in diameter, points $\frac{1}{4}$ inch long. Each tin box contains $2\frac{1}{2}$ dozen tacks.

TB 42—Weight per carton $2\frac{1}{4}$ lbs. Per Box \$0.10

Three dozen brightly lithographed tin boxes in a display carton.

Two-piece

Solid steel heads and extra fine quality round steel points. Heads firmly mounted for long service.

In cartons of 100

Nos.	Per Carton	Diameter Head, In.	Length Point, In.	Weight Per 1000, Lbs.
TB 110	\$0.10	$\frac{3}{8}$	$\frac{1}{4}$	2
TB 111	.10	$\frac{7}{16}$	$\frac{1}{4}$	$2\frac{1}{2}$
TB 112	.10	$\frac{1}{2}$	$\frac{1}{8}$	3

10 cartons in a cardboard box.



Cut-out Head—Economical

High-grade steel—flat heads $\frac{3}{8}$ inch in diameter. Length of points $\frac{1}{4}$ inch.

TB 17—Weight per box $\frac{1}{4}$ lb. Per Box \$0.10

100 in a box.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

ARMSTRONG LATHE TOOLS

Your Guarantee of the Highest Quality

This line comprises tool holders for practically every operation on the lathe, planer, shaper, slotter, turret lathe, etc., with many modifications of shape and size and adapted to all classes of work.

TOOL HOLDERS

Holders are correctly designed and proportioned, drop forged from special steel which combines stiffness and strength, accurately machined, heat-treated and hardened.

Set screws are treated alloy steel with hardened point, practically unbreakable.

Each tool is complete with high-speed cutter bit and wrench.



STRAIGHT SHANK

Nos.	Std. List and Retail, Each	Size Shank, Inches	Size Cutter, In. Sq.	Wt. Each, Lbs.
TR 00S	\$2.70	$\frac{1}{8}$ x $\frac{3}{4}$ x $4\frac{1}{2}$	$\frac{3}{16}$	$\frac{1}{2}$
TR 0S	2.85	$\frac{3}{8}$ x $\frac{7}{8}$ x 5	$\frac{1}{4}$	$\frac{3}{4}$
TR 1S	3.25	$\frac{1}{2}$ x $1\frac{1}{8}$ x 6	$\frac{1}{8}$	$1\frac{1}{2}$
TR 2S	4.00	$\frac{5}{8}$ x $1\frac{3}{8}$ x 7	$\frac{3}{8}$	$2\frac{1}{4}$
TR 3S	5.40	$\frac{3}{4}$ x $1\frac{5}{8}$ x 8	$\frac{7}{16}$	$3\frac{1}{2}$
TR 4S	6.90	$\frac{7}{8}$ x $1\frac{3}{4}$ x 9	$\frac{1}{2}$	$4\frac{3}{4}$



RIGHT-HAND OFFSET

Nos.	Std. List and Retail, Each	Size Shank, Inches	Size Cutter, In. Sq.	Wt. Each, Lbs.
TR 00R	\$2.70	$\frac{1}{8}$ x $\frac{3}{4}$ x $4\frac{1}{2}$	$\frac{3}{16}$	$\frac{1}{2}$
TR 0R	2.85	$\frac{3}{8}$ x $\frac{7}{8}$ x 5	$\frac{1}{4}$	$\frac{3}{4}$
TR 1R	3.25	$\frac{1}{2}$ x $1\frac{1}{8}$ x 6	$\frac{1}{8}$	$1\frac{1}{2}$
TR 2R	4.00	$\frac{5}{8}$ x $1\frac{3}{8}$ x 7	$\frac{3}{8}$	$2\frac{1}{4}$
TR 3R	5.40	$\frac{3}{4}$ x $1\frac{5}{8}$ x 8	$\frac{7}{16}$	$3\frac{3}{4}$
TR 4R	6.90	$\frac{7}{8}$ x $1\frac{3}{4}$ x 9	$\frac{1}{2}$	5



LEFT-HAND OFFSET

Nos.	Std. List and Retail, Each	Size Shank, Inches	Size Cutter, In. Sq.	Wt. Each, Lbs.
TR 00L	\$2.70	$\frac{1}{8}$ x $\frac{3}{4}$ x $4\frac{1}{2}$	$\frac{3}{16}$	$\frac{1}{2}$
TR 0L	2.85	$\frac{3}{8}$ x $\frac{7}{8}$ x 5	$\frac{1}{4}$	$\frac{3}{4}$
TR 1L	3.25	$\frac{1}{2}$ x $1\frac{1}{8}$ x 6	$\frac{1}{8}$	$1\frac{1}{2}$
TR 2L	4.00	$\frac{5}{8}$ x $1\frac{3}{8}$ x 7	$\frac{3}{8}$	$2\frac{1}{4}$
TR 3L	5.40	$\frac{3}{4}$ x $1\frac{5}{8}$ x 8	$\frac{7}{16}$	$3\frac{3}{4}$

One in a carton.

ARMSTRONG LATHE TOOLS

CUTTING-OFF TOOLS

The cutter in this tool is adjustable to any desired clearance and has the greatest possible support under all conditions. It is also beveled on both sides and held at an angle giving the required side clearance and top rake for a clean, smooth cut.

Complete with high-speed cutter and wrench.



STRAIGHT SHANK

Nos.	Std. List and Retail, Each	Size Shank, Inches	Size Cutter, Inches	Wt. Each, Lbs.
TR 19	\$2.85	$\frac{3}{8} \times \frac{3}{4} \times 4 \frac{1}{2}$	$\frac{3}{8} \times \frac{1}{2}$	$\frac{1}{2}$
TR 20	3.00	$\frac{3}{8} \times \frac{7}{8} \times 5$	$\frac{3}{8} \times \frac{5}{8}$	$\frac{3}{4}$
TR 21	3.60	$\frac{1}{2} \times 1 \frac{1}{8} \times 6$	$\frac{1}{4} \times \frac{3}{4}$	1 $\frac{1}{4}$
TR 22	4.50	$\frac{5}{8} \times 1 \frac{3}{8} \times 7$	$\frac{1}{8} \times \frac{7}{8}$	2 $\frac{1}{4}$



RIGHT-HAND OFFSET

Nos.	Std. List and Retail, Each	Size Shank, Inches	Size Cutter, Inches	Wt. Each, Lbs.
TR 29R	\$2.85	$\frac{1}{8} \times \frac{3}{4}$	$\frac{1}{8} \times \frac{1}{2}$	$\frac{5}{8}$
TR 30R	3.00	$\frac{3}{8} \times \frac{7}{8}$	$\frac{3}{8} \times \frac{5}{8}$	$\frac{3}{4}$
TR 31R	3.60	$\frac{1}{2} \times 1 \frac{1}{8}$	$\frac{1}{4} \times \frac{3}{4}$	1 $\frac{1}{2}$
TR 32R	4.50	$\frac{5}{8} \times 1 \frac{3}{8}$	$\frac{1}{4} \times \frac{7}{8}$	2 $\frac{1}{4}$

SIDE TOOLS

The design of the Armstrong side tools is typical of the entire Armstrong system of tool holders, embodying the prime needs of a practical lathe tool—convenience, simplicity and strength. Complete with high-speed cutter and wrench.



RIGHT-HAND OFFSET

Nos.	Std. List and Retail, Each	Size Shank, Inches	Size Cutter, Inches	Wt. Each, Lbs.
TR 69R	\$2.85	$\frac{1}{8} \times \frac{3}{4}$	$\frac{1}{8} \times \frac{1}{2}$	$\frac{5}{8}$
TR 70R	3.40	$\frac{3}{8} \times \frac{7}{8}$	$\frac{3}{8} \times \frac{5}{8}$	$\frac{3}{4}$
TR 71R	4.35	$\frac{1}{2} \times 1 \frac{1}{8}$	$\frac{1}{8} \times \frac{3}{4}$	1 $\frac{1}{2}$



RIGHT-HAND STRAIGHT SHANK

Straight shank side tools are well adapted to use on the planer and shaper for many classes of work on which they will be found exceptionally convenient and efficient.

Nos.	Std. List and Retail, Each	Size Shank, Inches	Size Cutter, Inches	Wt. Each, Lbs.
TR 79R	\$2.85	$\frac{1}{8} \times \frac{3}{4} \times 4 \frac{1}{2}$	$\frac{1}{8} \times \frac{1}{2}$	$\frac{5}{8}$
TR 80R	3.40	$\frac{3}{8} \times \frac{7}{8} \times 5$	$\frac{3}{8} \times \frac{5}{8}$	$\frac{3}{4}$
TR 81R	4.35	$\frac{1}{2} \times 1 \frac{1}{8} \times 6$	$\frac{1}{8} \times \frac{3}{4}$	1 $\frac{1}{4}$

One in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KNURLING TOOLS

Unequaled for Withstanding Great Strain



This tool is self-centering and the knuckle or joint has ample bearing to resist the severe strains of both end and side thrust—in these essentials the Armstrong knurling tool is unexcelled. The knurls and pins are accurately made of tool steel suitably tempered. All other parts are drop forged or bar steel, hardened.

Standard face medium diamond knurls always furnished unless otherwise specified. Can be furnished with straight line knurls when specified.

Shank $\frac{1}{8} \times \frac{3}{4} \times 5$ inches; knurls $\frac{5}{8}$ -inch in diameter, with $\frac{3}{16}$ -inch face and $\frac{3}{16}$ -inch hole; knurling capacity $\frac{1}{4}$ -inch and up.

TR 00K—Weight each $\frac{5}{8}$ lb.

Std. List and Retail, Each \$5.65



WITH REVOLVING HEAD—Saves Time!

The advantages of this tool are apparent at a glance. The revolving head is fitted with three pairs of knurls, fine, medium and coarse, either of which can be used without the inconvenience and loss of time caused by changing knurls.

Knurls and pins are accurately made of tool steel suitably tempered. All other parts are drop forged or bar steel, hardened.

Standard face medium diamond knurls always furnished unless otherwise specified. Can be furnished with straight line knurls when specified.

Shank $\frac{1}{8} \times \frac{3}{4} \times 5$ inches; knurls $\frac{5}{8}$ -inch in diameter, with $\frac{3}{16}$ -inch face and $\frac{3}{16}$ -inch hole; knurling capacity $\frac{1}{8}$ -inch and up.

TR 3K00—Weight each 1 lb.

Std. List and Retail, Each \$7.50

One in a carton.

YOUR SAFEST
GUIDE IN BUYING—
TAKE THE
KEEN KUTTER
BRAND.

ARMSTRONG LATHE TOOLS

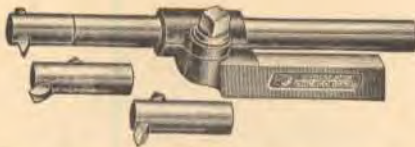
BORING TOOLS

Provides Greatest Rigidity on All Jobs!

The convenience and many practical advantages of this system of boring tools are known and appreciated in almost every modern machine shop. A half-turn of one screw clamps or releases the bar which can be extended from the shank or holder to any desired length, giving the greatest degree of stiffness possible on every job.

The end caps used with this tool lock the cutters rigidly under a tool steel "Automatic Set Screw" which cannot loosen while the tool is cutting, yet instantly releases the cutter for removal. The end caps are interchangeable without removing the bar. They are furnished in three styles; 90° for boring with single or double end cutter; 45° for boring and facing; and 30° for internal threading.

One of these tools with cutters is equal in practical efficiency to a whole set of forged boring and inside threading tools.



Consists of holder and bar, 90°, 45°, and 30° end caps, three high-speed cutters and double head wrench.

Nos.	Std. List and Retail, Each	Size Cut-			Wt. Each, Lbs.
		Shank, In.	Diam. Bar, In.	ter Sq. In.,	
TR 00B	\$4.90	$\frac{1}{8} \times \frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{16}$	1 1/2
TR 8	4.90	$\frac{3}{8} \times \frac{7}{8}$	$\frac{9}{16}$	$\frac{3}{16}$	1 3/4
TR 9	5.80	$\frac{1}{2} \times 1 \frac{1}{8}$	$\frac{3}{4}$	$\frac{1}{4}$	3 3/4
TR 10	7.65	$\frac{5}{8} \times 1 \frac{3}{8}$	$1 \frac{1}{8}$	$\frac{5}{16}$	6 1/2



Especially designed for use on lathes of British and European make having clamp tool rest, and American lathes of similar design.

Consists of holder and bar, 90°, 45°, and 30° end caps, three high-speed cutters and double head wrench.

Shank $\frac{3}{4} \times \frac{7}{8}$ -inch; bar $\frac{9}{16} \times 9$ inches; cutter $\frac{3}{16}$ -inch square.

TR 108—Weight each 1 1/2 lbs.

Std. List and Retail, Each \$4.15

One in a carton.

BORING TOOL HOLDERS

FOR SMALL, LIGHT BORING, THREADING, ETC.

This tool will be found very handy in the tool room or in boring work of small internal diameter, threading, brass turning, etc.; the boring bars furnished are made from the best high-speed steel properly hardened, tempered and ground ready for use; the holder is reversible, and can be used for turning either right or left hand as the floating tool steel gib allows the yoke to clear the end of the holder.



Consists of holder, wrench, two high-speed boring bars and one high-speed cutter.

Nos.	Std. List and Retail, Each	Size Shank, In.	Size of Bars Furnished, Cut-ter, Ea., In. Lbs.	
			Diam., In.	ter, Ea., In. Lbs.
TR 15	\$4.15	$\frac{3}{8} \times \frac{3}{4}$	$\frac{1}{8}$ and $\frac{1}{4}$	$\frac{1}{4}$ 1
TY 16	5.25	$\frac{1}{2} \times 1$	$\frac{3}{16}$ and $\frac{1}{16}$	$\frac{1}{16}$ 1 3/4
TY 17	6.75	$\frac{5}{8} \times 1 \frac{1}{4}$	$\frac{1}{4}$ and $\frac{3}{8}$	$\frac{3}{8}$ 2 3/4

One in a carton.

THREADING TOOLS

Assures Tight, Firm Connections!



The cutters used in the Armstrong threading tool require grinding on the top edge only, to sharpen, and therefore always remain true to form and of correct angle—its use thus insures perfect fitting threads, and saves much grinding, as well as dispensing entirely with forging and tempering. The cutters are backed off to afford proper clearance. The back of cutter is eccentric in form and bears upon a hardened stop screw. This arrangement assures positive and accurate adjustment. Complete with single point high-speed cutter (V, U. S. or Whitworth Standard) and wrench.

In ordering tools equipped with U. S. or Whitworth cutters be careful to specify pitch or number of threads per inch wanted. Tools equipped with single point sharp V cutters will always be shipped unless otherwise ordered.

Nos.	Std. List and Retail, Each	Size Shank, Inches	Weight Each, Lbs.
TR 00T	\$4.15	$\frac{1}{8} \times \frac{3}{4} \times 5$	$\frac{3}{4}$
TR 50	4.15	$\frac{3}{8} \times \frac{7}{8} \times 5$	$\frac{7}{8}$
TR 51	5.00	$\frac{1}{2} \times 1 \frac{1}{8} \times 6$	1 1/2

One in a carton.

**BE TRULY ECONOMICAL—USE DURABLE FINE QUALITY
SIMMONS FARM TOOLS
CORRECTLY BALANCED TO MAKE WORK EASIER AND FASTER.**

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

ARMSTRONG LATHE TOOLS

EXTENSION SHAPER TOOLS



A Few Internal Shapes for Which This Handy Tool Is Adapted

This is an extremely rigid and convenient tool, well adapted for die work, cutting internal key ways or for any kind of work on the shaper in which extra clearance is needed.

Consists of holder, bar, high-speed cutter and wrench.

Nos.	Std. List and Retail, Each	Size Shank, Inches	Size Bar, Inches	Size Cutter, Inches Square	Wt. Each, Lbs.
TY 47	\$4.50	1/2 x 1 1/8	3/4 x 10	1 1/8	3 1/4
TY 48	5.65	5/8 x 1 3/8	1 1/2 x 12	3/8	6

One in a carton.

PLANER AND SHAPER TOOLS

One of these tools is effectively worth a dozen forged tools.



Fig. 1



Fig. 2

Figure 1—Shows the Armstrong planer tool cutting a keyway with the cutter reversed and the tool turned around, thus throwing the cutting point behind center of tool and working as a "gooseneck" tool.

Figure 2—Shows the Armstrong planer tool at work in close corners, giving a good general idea of clearance obtained. It shows also a few of the angles at which the cutter can be set. A job similar to

one shown could be finished with the Armstrong planer tool without shifting position of the work on bed.

Each tool is complete with high-speed cutter and wrench.

Nos.	Std. List and Retail, Each	Size of Holder, Inches	Size of Cutter, Inches	Weight Each, Lbs.
TR 40	\$4.65	1/2 x 1 x 6	1/4 x 3/8	1 3/4
TY 401	6.00	5/8 x 1 1/4 x 8 1/2	1 1/8 x 1 1/8	3 1/4

One in a carton.

* Goods marked thus (*) are not carried in stock and can only be furnished by shipment direct from factory. Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

PLANER JACKS



Saves Time and Effort

These jacks are designed to displace the haphazard devices and methods quite generally used for leveling work on machine tools. A set of them on a machine will greatly reduce the proportion of time required for preliminary arrangements as compared with the actual machine time on the job and will also, because of their perfect adjustability and solidity, insure efficient, true surfaced work.

Nos.	Std. List and Retail, Each	Height Inches	Con-tracted, Ext., Inches	Height Each, Inches	Weight Each, Lbs.
TR 1	\$1.90	2 3/4	3 3/4	1 1/2	1 1/2
TY 2	3.00	3 3/4	5 1/4	3	3

One in a carton.

LATHE DOGS



With Bent Tail

You will find these lathe dogs handier, better balanced, with super design. They are extremely stiff, tough and strong, and will not upset. They never

fail and have double life.

Drop forged from special open hearth steel. Alloy steel square head screws with double wear threads and hardened at the point. Hubs are oversize to permit retapping.

Nos.	Each	Capacity, Inches	Weight Each, Lbs.	Std. List, Each
*TB 1	\$0.83	3/8	1/4	\$1.00
*TB 2	.90	1/2	3/8	1.10
*TB 3	.98	3/4	1/2	1.20
*TB 4	1.15	1	3/4	1.40
*TB 5	1.40	1 1/4	1 1/2	1.70
*TB 6	1.65	1 1/2	2	2.00
*TB 7	1.98	1 3/4	2 3/4	2.40
*TB 8	2.30	2	3 1/2	2.80
*TB 9	2.98	2 1/2	5 1/4	3.60
*TB 10	3.80	3	6 3/4	4.60
*TB 11	4.95	3 1/2	9	6.00
*TB 12	6.45	4	12	9.00
*TB 13	13.25	5	18	16.00
*TB 14	19.85	6	24	24.00

Packing—bulk.

Polly Prim
ENAMELWARE
is long wearing,
easy to clean
and attractive.

BOSTROM LEVELS

For Quick, Easy Set-Up and Hairline Accuracy—Protection for All Weather Conditions

CONTRACTORS' AND CONVERTIBLE LEVELS



- **Clear Vision 12 to 14 Power Telescopes** with smooth acting rack and pinion focusing adjustment. Visibility one to two miles—minimum focus four feet.
- **Cross Hairs Always in Focus**—Stationary eye piece with four screws for quick adjustment of optical axis and correction of lines of collimation at all distances.
- **Sensitive—Adjustable Levels**—Vials accurate to four-five minutes. Shifting steel centers and three-point bearings with four leveling screws—for quick adjustment and accurate placing of plumb bobs over given point.
- **Large Graduated Circle**—Four inches in diameter. Divided to degrees and numbered in quadrants—clearly marked.
- **Strong, Sturdy Tripods**—Five feet long with round split, reinforced hardwood legs and pointed metal feet. Aluminum head guards for protection when not in use. Three cast points under level heads serve as trivets when tripods are not used.
- **Both Outfits Complete With:** (1) Hardwood extension leveling rod telescoping to 9½ feet—self-reading—with screw for securing in any position. (2) Open-face adjustable aluminum target with tension spring and screw for securing on rod. (3) Machined brass, accurate plumb bob. (4) Highly finished hardwood case with leather strap for carrying. (5) Complete, easily understood directions for use of instrument.

CONVERTIBLE WYE LEVEL AND TRANSIT COMBINED

Quickly and easily converted from level to transit position. For level work telescope rests in two Wyes—stop pin and Wyes are adjustable to insure positive position of cross hairs at all times. The graduated circle has adjustable vernier for accurately reading horizontal angles. Telescope has clamp and tangent for setting in any desired position—arc and index for reading vertical angles. Three-point bearing 3¾ inches in diameter.

With Detachable Compass—Quickly mounted on Wyes. Does not interfere with converting instrument. Sensitive 2¼-inch jewel-mounted needle with lifter stop. Accurate ring graduated in single degrees—numbered 0° to 90° in each quadrant from N. and S. points. Leveling rod graduated in feet, tenths and hundredths is furnished—unless otherwise specified.

#TY 5C Each \$81.75

Without Compass—The leveling rod furnished is graduated in feet, inches and eighth inches.

#TY 5 Each \$59.50

Weight each 18 lbs.

Extras—(1)—Stadia hairs set at fixed ratio of 1 to 100 (for accurately measuring distances)—with full instructions—\$5.00 extra. (2)—Extension tripod legs instead of straight legs—\$3.00 extra.

Note: When stadia hairs are ordered with instrument leveling rod graduated in feet, tenths and hundredths furnished instead of regular rod—unless otherwise specified.

One in a carton.



CONTRACTORS' LEVEL

Telescope and level vial mounted in revolving turret secured to leveling plate by clamp screw which is easily loosened for turning of turret. Locks in any desired position. The three-point bearing is four inches in diameter.

Circle is movable so that angles may be read from zero—has set screw for locking in any position. Vernier on turret graduated to five minutes—0° to 60° in both directions. Slow motion screw gives accurate sighting on given point.

TY 4—Weight each 18 lbs..... Each \$36.75

One in a carton.

FARM LEVELS



Has fixed cross hairs and level vial ground to sensitiveness of four to five minutes.

Three - point bearing is four inches in diameter. Face plate, graduated in degrees and numbered in quadrants, attached to leveling head by center screw

with tension spring. Makes flexible joint and presses plate firmly against ends of three leveling screws—quick, accurate adjustments. Tripod five feet long with round, split reinforced hardwood legs and pointed metal feet.

Simple, Accurate, Complete

- **Achromatic—Clear Vision Telescope**—10 to 12 power. Visibility of ½ mile—minimum focus four feet.
- **Telescope and Level Vial Mounted in Revolving Turret**—Turn on three-point bearings so that once set up instrument can be sighted in any direction without moving or readjusting. Line of sight quickly checked with graduated face plate on which turret is mounted.

Complete with: (1) Hardwood extension leveling rod, telescoping to 9½ feet, with thumb screw for setting—graduated in feet, inches and quarter inches and self-reading. (2) Open face aluminum adjustable target with tension spring and thumb screw for fixing on rod. (3) Hardwood carrying case. (4) Plumb bob. (5) Complete, easily understood directions.

TY 2—Weight each 15 lbs..... Each \$23.50

One in a carton.

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

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HANDLES

SINGLE BIT AXE

KEEN CUTTER

HIGHEST QUALITY, LONGEST LASTING

- Thoroughly seasoned and dried for added strength—carefully inspected and warranted uniform.
- Smooth waxed finish—insures a smooth, comfortable grip.

REGULAR PATTERN—PLAIN END

High grade perfect all white selected hickory.



TB K36—Octagon—Length 36 inches.....Each \$0.50



TB KR36—Oval—Length 36 inches.....Each \$0.50

Selected good weight white hickory.



TB K2/36—Octagon—Length 36 inches.....Each \$0.45



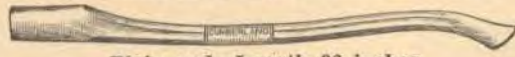
TB KR2/36—Oval—Length 36 inches.....Each \$0.45

Weight per dozen 20 lbs.
Each handle in an individual paper tube.

CUMBERLAND

- Straight grained, thoroughly seasoned good weight hickory—strong and springy.
- Hand shaved, extra belted, waxed finish—insures a smooth, firm grip.

STANDARD PATTERN—MEDIUM SIZE



Plain end—Length 36 inches

TB CXX—OctagonEach \$0.45

TB CA36—OvalEach .45

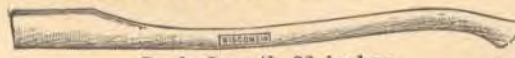


Scroll end—Length 36 inches

TB CSXX36—OctagonEach \$0.45

Weight per dozen 20 lbs.

WISCONSIN PATTERN—EXTRA SLIM



Oval—Length 36 inches

TB R3X34—Weight per dozen 18 lbs.....Each \$0.45

TB R3X36—Weight per dozen 20 lbs.....Each .45

LUMBERMEN'S STRAIGHT PATTERN



Oval—Length 36 inches

TB CAS36—Extra slim—Weight per dozen 19 lbs.Each \$0.45

TB CHAS—Extra heavy—Weight per dozen 20 lbs.Each .45

One dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SINGLE BIT AXE

KLICKER—SERVICEABLE, ECONOMICAL



REGULAR PATTERN, PLAIN END—OVAL

Good grade hickory, smoothly finished. Well made for long, satisfactory service.

Length 36 inches

TB 2/36K—No. 2 quality.....Each \$0.23

TY 3/36K—No. 3 quality.....Each .23

Weight per dozen 20 lbs.
One dozen in a carton.

BLUE OAK

Thoroughly seasoned, second growth oak—strong and durable.

Hand shaved, smooth belted and waxed finish—insures a smooth, firm grip.



Plain end, oval—Length 36 inches

TB A2R—Regular pattern, select.....Each \$0.17

TB A1RS—Slim pattern, extra select, labeledEach .35

Weight per dozen 20 lbs.



LUMBERMEN'S SLIM—STRAIGHT PATTERN, OVAL—LENGTH 36 INCHES

TB A1L—Extra select.....Each \$0.35

Weight per dozen 14 lbs.
One dozen in a crate.

SPECIAL

Unusually low priced—Good grade hickory—nicely finished, with assorted color tips.

REGULAR PATTERN, PLAIN END—LENGTH 36 INCHES



TB SCTO—OctagonEach \$0.25



TB SCT—OvalEach \$0.23

STRAIGHT PATTERN, PLAIN END—LENGTH 36 INCHES



TY SCTS—OvalEach \$0.23

Weight per dozen 20 lbs.

One dozen in a carton. Tips assorted three each—orange, blue, red and green.

HANDLES

DOUBLE BIT AXE

KEEN KUTTER—FINEST FOR BEST WORK

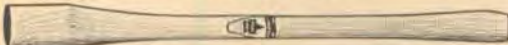
- Thoroughly seasoned and dried for added strength—carefully inspected and warranted uniform.
- Smooth wax finished, insuring a smooth, comfortable grip.

REGULAR PATTERN—PLAIN END

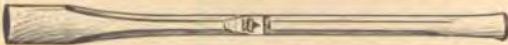
High-grade, perfect, all-white selected hickory.



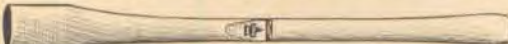
TB KD36—Octagon—Length 36 inches.....Each \$0.50



TB KDR36—Oval—Length 36 inches.....Each \$0.50
Selected good weight white hickory.



TB KD236—Octagon—Length 36 inches.....Each \$0.45



TB KDR236—Oval—Length 36 inches.....Each \$0.45
Weight per dozen 20 lbs.
Each handle in an individual paper tube.
One dozen in a carton.

CUMBERLAND

Straight grained, thoroughly seasoned, good weight hickory, strong and springy.

Hand shaved, extra belted, waxed finish—insures a smooth, comfortable grip.



Medium size—length 30 inches
(For Cedar Axe No. TB K2½C)

TB CDA30—Oval—Wt. per doz. 18 lbs.....Each \$0.45

Regular size—length 36 inches

TB CDXX—OctagonEach .45

TB CDA36—OvalEach .45

Weight per dozen 20 lbs.

Extra heavy (for the South)—length 36 inches

TB CHDXX—Octagon—Wt. per doz. 25 lbs.....Each .45
One dozen in a fibre carton.

BLUE OAK

Thoroughly seasoned, second growth oak—strong and durable.

Hand shaved, smooth belted and waxed finish—insures a smooth, firm grip.



REGULAR PATTERN, OVAL—LENGTH 36 INCHES

TB AIRDB—Extra select, labeled.....Each \$0.35

TB A2RDB—Good gradeEach .17

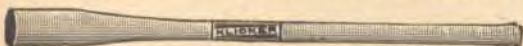
SLIM PATTERN, OVAL—LENGTH 36 INCHES

TB AIRDBS—Extra select, labeled.....Each .35

Weight per dozen 20 lbs.

One dozen in a crate.

KLICKER—SERVICEABLE, ECONOMICAL



Medium size—length 36 inches

Hickory—machine made with plain belted finish.

TB 3KD—No. 3 quality—Wt. per dozen 19 lbs.Each \$0.25

Two dozen in a fibre carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

DOUBLE BIT AXE

SPECIAL

Unusually low priced. Good grade hickory—nicely finished, with assorted color tips.



REGULAR PATTERN—LENGTH 36 INCHES

TB DCTO—Octagon—Wt. per doz. 23 lbs.....Each \$0.25



REGULAR PATTERN—LENGTH 36 INCHES

TB DCT—Oval—Wt. per doz. 23 lbs.....Each \$0.25

One dozen in a carton—tips assorted three each:
Orange, blue, red and green.

BOYS' AXE

KLICKER

SERVICEABLE

Hickory—machine made with plain belted finish.

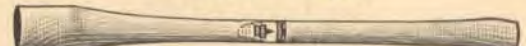


REGULAR PATTERN, PLAIN END, OVAL—LENGTH 28 INCHES

TB SBK—No. 3 quality. Wt. per doz. 14 lbs.Each \$0.19

One dozen in a carton.

BROAD AXE



KEEN KUTTER—FINEST QUALITY

- High-grade, perfect all-white selected hickory—thoroughly seasoned and dried for added strength—carefully inspected and warranted uniform.
- Smooth wax finished, insuring a smooth, comfortable grip.

PLAIN END, OVAL—LENGTH 34 INCHES

TB KBA34—Wt. per doz. 18 lbs.....Each \$0.50

SLEDGE OR SPIKE MAUL



KEEN KUTTER—FINEST QUALITY

- High grade perfect all white selected hickory, thoroughly seasoned and dried for added strength, carefully inspected and warranted uniform.
- Smooth wax finished, comfortable grip.

Oval—Extra Quality

Nos.	Each	Length, Inches	Wt. Per Doz., Lbs.
TB KS32	\$0.40	32	17
TB KS34	.45	34	19
TB KS36	.45	36	20

Each handle in an individual paper tube. One dozen in a fibre carton.



KLICKER—SERVICEABLE, VERY LOW COST

Hickory—machine made, plain belted finish.

Oval No. 1 Quality

Nos.	Each	Length, Inches	Wt. Per Doz., Lbs.
TB 130KS	\$0.15	30	16
TB 134KS	.19	34	19
TB 136KS	.19	36	20

One dozen in a fibre carton.

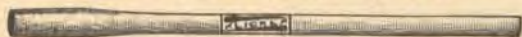
HANDLES

CLICKER

SERVICEABLE, VERY ECONOMICAL

Hickory—machine made, plain belted finish.

WOODCHOPPERS' MAUL

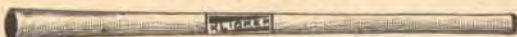


Axe Eye—Length 36 Inches

(For Nos. TBF. Woodchoppers' mauls)

TB 1KWM—Weight per dozen 18 lbs.....Each \$0.40

POST MAUL



No. 2 Quality, Oval—Length 36 Inches

TB 2KPM—Weight per dozen 21 lbs.....Each \$0.29

MATTOCK



Small Eye, Oval—Length 36 Inches

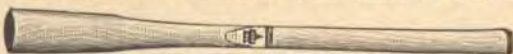
(For Mattocks Nos. TB KJ and TB KX.)

TB 10KM—Weight per dozen 25 lbs.....Each \$0.35

KEEN KUTTER—FINEST QUALITY

- High-grade perfect all white selected hickory, thoroughly seasoned and dried for added strength.
- Smooth wax finished, comfortable grip.

RAILROAD PICK OR MATTOCK



Oval—Length 36 Inches

(For Mattocks Nos. TB KM, TB KS and TB KL.)

TB KRP—Weight per dozen 34 lbs.....Each \$0.69

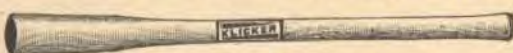
Each handle in an individual paper tube.
One dozen in a fibre carton.

CLICKER

SERVICEABLE, VERY ECONOMICAL

Hickory—machine made, plain belted finish.

RAILROAD PICK OR MATTOCK



Oval—Length 36 Inches

(For Mattocks Nos. TB KM, TB KS and TB KL.)

Nos.	Each	Quality Nos.	Weight Per Doz., Lbs.
TB 1KRP	\$0.49	1	32
TB 2KRP	.39	2	30
TB 3KRP	.29	3	29

COAL OR DRIFT PICK

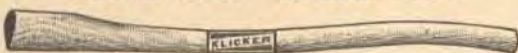


No. 1 Quality—Length 34 Inches

Medium body—medium eye, 3/4x3 inches.

TB 1KCP—Weight per dozen 29 lbs.....Each \$0.39

GRUB AND HAZEL HOE



No. 1 Quality, Oval—Length 36 Inches

TB 10KG—Weight per dozen 27 lbs.....Each \$0.49

One dozen in a fibre carton.

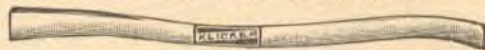
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CARPENTERS' ADZE

CLICKER

SERVICEABLE, VERY ECONOMICAL

Hickory—machine made, plain belted finish.



No. 1 Quality—Length 34 Inches

TB 134KA—Weight per dozen 20 lbs.....Each \$0.49

One dozen in a fibre carton.

NAIL HAMMER

KEEN KUTTER—HIGHEST QUALITY

- High-grade perfect all white selected hickory. Thoroughly seasoned and dried for added strength—carefully inspected and warranted uniform.
- Smooth wax finish, insuring a comfortable grip.



Oval
Adze Eye

Nos.	Each	Length, In.	For Nail Hammers, Size	Weight Per Dozen, Lbs.
TB K12	\$0.19	12	3 and 4	3 3/4
TB K13	.19	13	2 and 3	4 3/4
TB K14	.19	14	1 and 1 1/2	5 1/2



Octagon—Adze Eye

Nos.	Each	Length, In.	For Nail Hammers, Size	Weight Per Dozen, Lbs.
TB K014	\$0.19	14	1 and 1 1/2	5 1/2
TB K016	.19	16	1 and 1 1/2	6 1/4

One dozen in a carton.

CLICKER

SERVICEABLE, LOWEST COST

MACHINE MADE—PLAIN BELTED FINISH



Adze Eye—Full Neck
Hickory.

Nos.	Each	Length, In.	For A.E. Nail Hammers, Nos.	Weight Per Dozen, Lbs.
TB 13KN	\$0.10	13	2 and 3	4
TB 14KN	.10	14	1 1/2	4 3/4



Adze Eye—Length 14 Inches
(For Nail Hammer Nos. 1 and 1 1/2)

Best selection sound Oak.

TB OH14K—Weight per dozen 5 lbs.....Each \$0.10



Adze Eye, Oval Bell
Shape Grip—Length 14
Inch—Hickory

TB 514K—Weight per dozen 5 lbs.....Each \$0.05

One dozen in a carton.



Adze eye, octagon neck,
oval grip—length 14 inches.

Good grade hickory—no knots, will not crack. Ivory lacquered with assorted color tips.

TB A10—Weight per dozen 5 lbs.....Each \$0.10

One dozen in a carton, with assorted color tips,
four each: blue, orange and green.

HANDLES

MACHINISTS' HAMMER

KEEN KUTTER—FINEST MADE

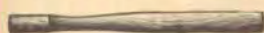
- High-grade perfect all white selected hickory thoroughly seasoned and dried for added strength—carefully inspected and warranted uniform.
- Smooth wax finished, insuring a comfortable grip.



Oval Eye, Spring Neck—
Light

Nos.	Each	Length, In.	For Machinists' Nos.	Weight Per Dozen, Lbs.
TB KM10	\$0.19	10	6/0 and 5/0	1½
TB KM12	.19	12	4/0 and 3/0	2
TB KM14	.19	14	00	4¼
TB KM16	.19	16	0	4½
TB KM18	.20	18	1 and 2	4¾
TB KM20	.25	20	3 and 4	5

KLICKER—SERVICEABLE—AT A LOW COST



Oval Eye, Spring Neck,
Light Hickory

Nos.	Each	Length, In.	For Machinists' Nos.	Weight Per Dozen, Lbs.
TB 112KM	\$0.10	12	3/0 and 4/0	3
TB 114KM	.10	14	00	3½
TB 116KM	.10	16	0	4
TB 118KM	.10	18	1 and 2	4½

KEEN KUTTER—FINEST MADE

- High-grade perfect all white selected hickory thoroughly seasoned and dried for added strength—carefully inspected and warranted uniform.
- Smooth wax finished, insuring a comfortable grip.

BLACKSMITHS' HAND HAMMER



Oval Eye, Spring Neck—
Heavy

Nos.	Each	Length, In.	For Blacksmiths' Nos.	Weight Per Dozen, Lbs.
TB KB16	\$0.19	16	1	6½
TB KB18	.19	18	2	6¾

BRICK HAMMER



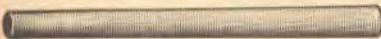
Adze Eye
Length 12 inches. For
brick hammer No.
TB KB15.

TB KBB12—Weight per dozen 5½ lbs. Each \$0.17

One dozen in a carton.

MASONS' HAMMER

KLICKER—SERVICEABLE—AT A LOW COST



Oval eye, straight
tapering pattern—
length 20 inches.
Hickory

(For Stone Masons' Hammers, 5 lbs. and lighter.)

TB 20KTMH—Weight per dozen 6½ lbs. Each \$0.15

Packing—bulk.

TACK HAMMER

KLICKER—SERVICEABLE—AT A LOW COST



Adze Eye—Spring Neck
Length 11 Inches

(For SIMMONS Nos. TB S600 and TB S650 tack hammers.)
Hickory

TB THK—Weight per dozen 2 lbs. Each \$0.10

KEEN KUTTER—FINEST MADE

- High-grade perfect all white selected hickory thoroughly seasoned and dried for added strength—carefully inspected and warranted uniform.
- Smooth wax finished, insuring a comfortable grip.

HOUSE AXE



(For KEEN KUTTER and
SIMMONS House Axes.)

Oval—length 18 inches.

TB KH18—Wt. per doz. 9 lbs. Each \$0.25

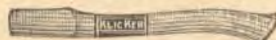
SCOUT AXE



Length 14½ inches

TB KSH—Wt. per doz.
6 lbs. Each \$0.19

KLICKER—SERVICEABLE—AT A LOW COST



Length 14½ inches

Good grade hickory, plain belted finish.

TB 15SK—Wt. per doz. 6 lbs. Each \$0.15

KEEN KUTTER—FINEST MADE

- High-grade perfect all white selected hickory thoroughly seasoned and dried for added strength—carefully inspected and warranted uniform.
- Smooth wax finished, insuring a comfortable grip.

HUNTERS' HATCHET



Oval—Length 14 Inches
(For No. TB KPAK and
other KEEN KUTTER Hunters'
Hatchets.)

TB KHH14—Weight per dozen 5 lbs. Each \$0.19

LATHING HATCHET



Slim Neck, Swell End, Oval
Eye—Length 13¼ inches

(For Underhill Pattern Lathing Hatchets.)

TB KL13—Weight per dozen 4½ lbs. Each \$0.19

SHINGLING HATCHET



(For standard patterns,
Size 1 Lathing, Shingling,
Half or Claw Hatchets.)

TB KS13—Length 13 inches. Weight per dozen
4 lbs. Each \$0.17

(For standard patterns, Size 2 Lathing, Sizes 2 and
3 Shingling, Half or Claw.)

TB KS14—Length 14 inches. Weight per dozen
5½ lbs. Each \$0.17

One dozen in a carton.

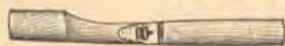
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HANDLES

KEEN KUTTER—FINEST QUALITY

- High grade perfect all-white selected hickory, thoroughly seasoned and dried for added strength, carefully inspected and warranted uniform.
- Smooth wax finished, comfortable grip.

BROAD HATCHET



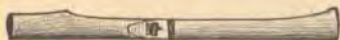
(For Bench Hatchets, Sizes 1 and 2.)

TB K15BH—Length 15 inches. Weight per dozen 5 lbs. Each \$0.19

(For Bench Hatchets, Sizes 3 and 4.)

TB K16BH—Length 16 inches. Weight per dozen 6 lbs. Each \$0.19

RIG BUILDERS' HATCHET



Slim Grip—Length 18 $\frac{3}{4}$ Inches

(For Rig Builders' Hatchets.)

TB KDH—Weight per dozen 7 $\frac{1}{2}$ lbs. Each \$0.29

KLICKER—SERVICEABLE, LOW PRICED

Hickory, machine made, plain belted finish.

SHINGLING HATCHET



Oval Eye, Full Neck—Length 14 Inches

(For No. 2 or Standard Pattern Shingling, Half or Claw Hatchets.)

TB 14KSH—Weight per dozen 4 $\frac{1}{2}$ lbs. Each \$0.10

One dozen in a carton.

BROAD HATCHET



Oval Eye, Full Neck—Length 16 Inches

(For Bench Hatchets Nos. 1 and 2.)

TB 16KBH—Weight per dozen 6 lbs. Each \$0.10

Packing—bulk.

CANVAS TOOL BAGS

KEEN KUTTER



Light Weight, Durable

Sturdy folding steel frame—leather covered—securely riveted.

Reinforced leather bottom—studded for protection from scuffing. Extra heavy brown duck body with stitched, leather-bound edges for added strength.

Two comfortable round leather handles securely riveted to frame. Roomy pocket sewed on inside of bag. Frame fitted with padlock eye for locking with padlock. Two stout leather fastening straps securely riveted to body—tinned buckles.

All leather parts made of best quality black leather. Length 20 inches, width 6 inches, depth 16 inches.

TB K20—Weight per dozen 72 lbs. Each \$8.50

One dozen in a bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

CHISEL HANDLES

KEEN KUTTER—THE FINEST

Leather capped—will not chip or crack under hammer blows.

Comfortable—durable. Selected hardwood—smoothly finished and highly polished.



SOCKET FIRMER CHISEL

TB K40—Assorted four regular sizes. Average length 5 $\frac{1}{2}$ inches. Weight per dozen 1 $\frac{1}{2}$ lbs. Each \$0.19

TB K41—Assorted three largest sizes, average length 5 $\frac{1}{2}$ inches. Weight per dozen 2 lbs. Each \$0.19



SOCKET BUTT CHISEL

TB K45—Assorted three regular sizes, length 4 $\frac{1}{8}$ inches. Weight per dozen 1 lb. Each \$0.19

Good quality hardwood—smooth finished.



SOCKET FIRMER CHISEL

Natural finish hardwood. Leather capped.

TB 616—Assorted regular sizes, 4 $\frac{3}{4}$ to 5 $\frac{1}{2}$ inches. Weight per dozen 2 lbs. Each \$0.10



SOCKET FRAMING CHISEL

Natural finish hickory—steel ferrule at top for longer life.

TB 620—Assorted regular sizes, 5 $\frac{1}{2}$ to 6 $\frac{1}{2}$ inches. Weight per dozen 3 lbs. Each \$0.10



SOCKET BUTT CHISEL

Natural finish hickory. Leather capped.

TB 631—Assorted regular sizes, 2 and 2 $\frac{1}{4}$ inches. Weight per dozen 2 lbs. Each \$0.10



Natural finish hickory—steel ferrule at top for longer life.

TB 612—Assorted regular sizes, 5 $\frac{1}{2}$ to 6 inches. Weight per dozen 3 lbs. Each \$0.10

One dozen in a cardboard box.

CARPENTERS' APRONS

KEEN KUTTER



Extra Well Sewed

Strong 7-ounce white duck. Tie strings and neck loop specially reinforced sewed—will not tear loose under weight of tools in pockets. Two nail pockets and one rule pocket 7 inches deep. Length over all 22 inches, width 18 inches.

TB K1—Weight per dozen 5 lbs. Each \$0.25

One dozen in a package.

**# WORK BENCHES
KEEN KUTTER**



**Two Visas and
Large Tool Drawer**

- Ample storage and working space—bench 54 inches long, 32 inches high, 22 inches wide with glued-up top 14 inches wide, 2 1/4 inches thick. Drawer 28 inches long, 17 1/2 inches wide, 5 inches deep—with brass pulls and special sliding trestle. 7-inch tool well with closed ends. Tool rack on back of bench.
 - Solid, strong, convenient vises—one front, one tall. Abernathy roller nut, rapid acting type, with heavy steel dog. Will stand up under abuse.
 - Sturdy, durable construction—top, legs and braces of kiln-dried hard maple. Bottom and sides of drawer of pine—front of hardwood. Securely bolted and braced throughout—highly polished and oiled finish.
- #TY K15B—Weight each 160 lbs.....Each \$46.75

SIMMONS



**With One Vise and Large
Tool Drawer**

Unusual Quality at a Low Price

Convenient, large top—52 inches long, 32 inches high, 22 inches wide with 1 3/4-inch glued-up top, 2 1/4 inches thick. Large tool storage drawer 32 inches long, 18 1/2 inches wide, 5 inches deep—with handy brass pulls. Tool rack on back of bench and 7 1/2-inch tool well with closed ends. One solid, strong front vise—Abernathy roller nut, rapid acting type, with heavy steel dog for greater strength. Sturdily built of kiln-dried hard maple—securely bolted and braced—highly polished and oiled finish.

#TY S22—Weight each 125 lbs.....Each \$33.75

One in a crate.

**Fine Workmanship
Builds Fine
KEEN KUTTER Tools**

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory. Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

UTILITY AND TOOL CHESTS

UNION—STREAMLINED

Economically priced—boxes have all the advantages in design and appearance of expensive one-piece drawn boxes—plus the rigid sturdiness of their inside lock seam construction.

Sturdily built of heavy gauge cold rolled steel. One-piece drawn bottom, with smoothly rounded corners and inside lock seams. Handsome, deep moss green, hard baked (Mar-proof) enamel finish—brightly nickel-plated hardware. Comfortable, sturdy handle. Special spill-proof lock with key. Double section, detachable, automatic tray with movable partitions. Embossed 12-inch rule inside front edge of cover.



**Combination
Tackle Box
Cash Box
and
All-Purpose
Utility Chest
One Tray**

Length 13 1/2 inches
Width 6 1/4 inches.
Depth 4 1/2 inches.

TB 5313—Weight per dozen 35 lbs.....Each \$0.79



**Combination
Tackle Box
Service Box
and
All-Purpose
Utility Chest
Two Trays**

Length 14 inches.
Width 6 1/2 inches.
Depth 6 3/4 inches.

TB 5514—Weight per dozen 59 lbs.....Each \$1.45

One dozen in a carton.

TOOL KITS

KENNEDY

Heavy Duty—All-Steel

For mechanics, garage men, repair men, electricians, railroad men, etc.



No heavier than other tool kits or grips—but much stronger, more durable.

Will not buckle or change shape with heaviest loads. Overlapping construction features make kits waterproof, weather-proof, dust-proof.

Specially prepared steel throughout. Outer case 26-gauge with three coats of black enamel, leather finish, baked on. Solid brass corners, side catches and Yale notch locks. Comfortable, genuine leather handle with steel core. Light weight steel tray, 1 1/4 inches deep, with partitions, rests on length on top of case.

Nos.	TB 118	TB 122
Length, In.	18	22
Width, In.	10	11
Height, In.	13	13
Weight Each, Lbs.	7 1/2	11
Each	\$5.85	6.25

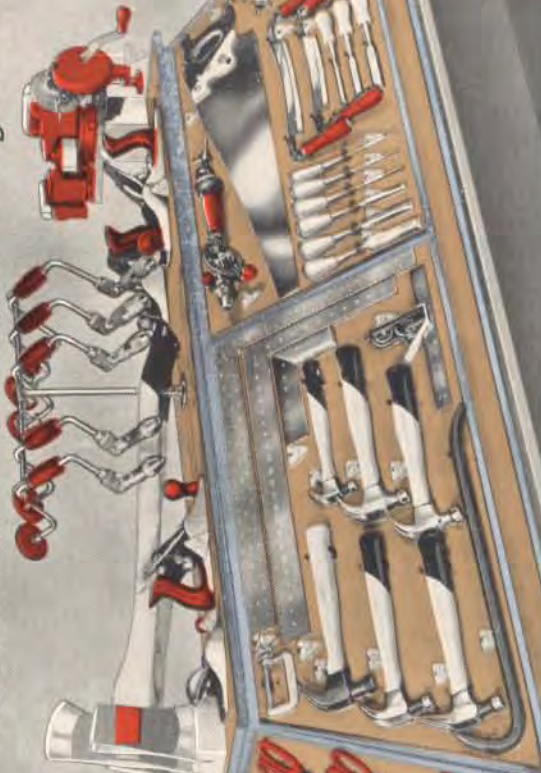
Packing—bulk.

The Greatest Sales Creating Tool Merchandising Help
Ever Offered To Hardware Dealers

SIMMONS
PLAN

TOOL ISLAND

a "TREASURE ISLAND" in the sea of hardware



TOOL USERS
Buy guaranteed TOOLS at Hardware Stores
where you can compare GENUINE VALUES
displayed on this **Tool Island**.

Important

THE RESULT OF 14 MONTHS' EXPERIMENTATION TO MAKE YOUR SELECTION EASIER
AND **COMPARISON** OF **REAL TOOL VALUES**
AND **GUARANTEED** AND **PLAINLY** THAT IT IS
THE **OUTSTANDING** VALUE
SPECIFIC **TOOL** **PRICE** FOR **HOME**
CONSUMER **DESIGNED** **TOOLS** **FOR** **HOME**
IN **SHOP** **OR** **HOME**

SIMMONS

PLAN GUARANTEED TOOL DEALS

Tool Island fits your standard 7ft table. Base offset to protect edges. Over 28 square feet of flat display area plus a bit brace rack. All necessary clips for tools provided, in proper location. Space feature inside frame allows easy access to stock. Height above table to top display shelf, 18 inches (bit brace rack 12 1/4 inches additional). Net weight 105 lbs. Shipping weight 144 lbs.

Shipping Weight: # S/11 Deal - 320 lbs.

Shipping Weight: # S/22 Deal - 250 lbs.

ITEM	NO	SIZE	Content of # S/11 Deal		Retail Each	Open Stock Per Package	ITEM	NO.	SIZE	Content of # S/22 Deal		Retail Each	Open Stock Per Package
			# S/11 Deal Only	Deal Only						# S/22 Deal Only	Deal Only		
BRACES	SA1	10"	4	2	\$0.99	4	Black, Polished Face	SM1	16 oz.	1	1	.33	6
	SA5	10"	2	2	1.39	2	Polished	SM2	16 oz.	3	2	.69	6
	SA6	10"	1	1	1.99	1	Polished Octagon Neck	SM3	16 oz.	2	2	.99	4
	SA7	10"	1	1	3.19	1	Polished	SM4	16 oz.	1	1	1.29	2
	SA8	12"	1	1	3.39	1	Polished, Rippling	SM5	16 oz.	3	2	.69	4
	SA9	10"	1	1	4.39	1	Engineer or Garage	SM6	42 oz.	1	1	1.39	2
EXPANSIVE BITS with Cutters	SB1	3/8 to 3"	1	2	1.29	1	Machineist	SM7	1 lb.	2	1	.76	1
	SB2	1/2 to 1 1/2"	1	1	.99	1	Machineist	SM8	1 1/4 lb.	1	1	.86	1
SCREW DRIVER BITS	SB5	3/8"	2	2	.17	2	Machineist	SM9	1 1/2 lb.	1	1	.96	1
	SB6	3/8"	2	2	.19	2	Machineist	SM10	1 3/4 lb.	1	1	1.06	1
DRAW KNIVES	SC1	8"	2	2	1.10	2	Ladies	SM11	7 oz.	1	1	.49	2
	SC2	10"	1	1	1.29	1	Handled	SM12	1 1/2 lb.	2	2	.49	2
SNIPS	SD1	7"	2	2	.49	2	Handled	SN2	2 lb.	2	2	.59	2
	SD2	12 1/2"	4	4	.69	4		SN3	3 lb.	1	1	.69	1
	SD3	12 3/4"	4	4	1.89	4		SP1	8"	2	1	.69	1
	SD4	11 1/2"	1	1	1.59	1		SP10	6"	1	1	.59	1
	SD5	10"	2	2	1.59	2		SR10	8"	2	2	.59	4
	SD7	12 1/2"	2	2	.99	2		SR1	10"	4	4	.69	4
PLIERS	SE1	6"	6	4	.33	6	Steel Wrenches, Steel Handle	SR2	14"	3	2	1.39	2
	SE2	8"	2	2	.59	2		SR3	18"	2	1	2.19	1
	SE3	10"	2	2	.59	2		SS1	24 x 12"	2	2	.59	2
	SE4	6 1/2"	2	2	.33	2		SS2	24 x 16"	1	1	1.10	1
	SE5	6 1/2"	2	2	.49	2		SS3	7 1/2"	3	1	.59	2
	SE6	5 1/2"	2	2	.79	2		SS4	12"	1	1	.99	1
	SE7	7 1/2"	2	2	.99	2		ST1	3"	6	6	.10	12
	SE8	6"	2	2	1.29	2		SU2	24"	3	3	.39	3
	SE9	7"	2	2	1.59	2		SV1	7 x 1 3/8"	2	2	.49	1
	SE10	5 1/2"	2	2	1.39	2		SV2	8 x 1 3/4"	1	1	1.29	1
	SE11	10"	2	2	1.29	2		SV3	9 x 2"	1	1	1.69	1
	SE12	8"	6	4	.99	6		SW1	14 x 2"	1	1	1.99	1
	ADJUSTABLE ANGLE WRENCHES	SE13	8"	4	2	.33	4	Half Hatchet	SW2	3 1/4"	2	2	1.09	2
SE14		10"	2	2	.99	2	Hand Drill	SW3	12"	2	2	1.29	1
SE15		8"	3	2	.44	3	Michigan Pattern, Single Bit	SY1	3 1/2 lb.	2	2	1.59	2
SE16		10"	2	2	.66	2	Michigan Pattern, Double Bit	SY2	3 1/2 lb.	1	1	1.99	2
SE17		8"	2	2	.88	2	Household	SY3	2 1/2 lb.	1	1	1.39	2
SE18		12"	1	1	1.09	1	Block	SZ2	6"	4	4	.15	6
SE19		8"	4	3	.76	4	Smooth	SZ3	6"	4	4	.15	6
SE20		10"	3	3	.85	3	Smooth Jack	SZ4	6"	4	4	.15	6
SE21		8"	4	3	.96	4	Extra	SZ5	8"	2	2	.20	6
SE22		10"	4	3	.99	4	Mill Bastard	SZ6	10"	1	1	.25	6
MONKEY WRENCHES Knife Handle	SG1	8"	1	1	.89	1	Clamp Base	SAA11	2 1/2"	1	1	1.39	1
	SG2	10"	1	1	1.10	1	Swivel Base	SAA12	3 1/2"	2	1	2.19	1
CHISELS	SH1	1 1/2"	4	3	.76	4	Center	SBB11	26"	2	2	1.59	2
	SH2	1 3/4"	4	3	.85	4	Drift	SCC11	38 x 5"	3	2	.23	2
	SH3	1 3/4"	3	3	.85	3	Solid	SDD44	38 x 5"	3	2	.23	2
	SH4	1 3/4"	2	2	.79	2	Wrench Set, Straight Pattern	SDD88	38 x 6"	3	2	.29	2
	SH5	1 3/4"	2	2	.79	2	(6 wrenches each)	SFF03	38 to 7 1/2"	3	2	.89	1
	SH7	1 1/4"	2	2	.99	2	(5 wrenches each)	SFF04	38 to 7 1/2"	2	1	.99	1
COLD CHISELS	SH11	4"	6	4	.15	6	Scratch Awl	SHH1	3 1/2"	2	2	.29	1
	SH12	6"	4	4	.33	4							
	SH13	8"	2	2	.53	2							
	SH14	10"	2	2	.53	2							
CARPENTERS PINCERS	SK1	8"	2	2	.69	2							
	SK2	10"	2	2	.99	2							
SCREW DRIVERS, Solid Bar	SL1	4"	4	4	.33	4							
	SL2	6"	4	4	.43	4							
SCREW DRIVERS Household	SL14	3"	4	4	.10	4							
	SL15	4"	4	4	.10	4							

SIMMONS LEADER TOOLS

GIVE you long, dependable service at a very economical price. All **SIMMONS LEADER** tools are priced to suit the most modest budgets. The right tool for the job to be done will save you time and effort. **SIMMONS LEADER** tools will do the job well and save you money.

They are all well made, nicely finished tools of standard quality, every one designed and balanced just right for the particular work it has to do.

Only the most popular, best selling tools are included in the **SIMMONS LEADER** assortments. When you choose them, you can be sure that you are getting sturdily built, serviceable tools that will wear amazingly well for the small investment.

These tools are the staple, standard types and sizes, ideal for everyday, all-around use—the kind of tools demanded everywhere by the largest number of users.

SIMMONS LEADER tools are the right choice for those who want good quality at a low price!



SIMMONS LEADER TOOL ASSORTMENTS

—Nos. TB S11 and TB S22—

Items	Size, Inches	Item Nos.	ASSORTMENT No. TB S11		ASSORTMENT No. TB S22		
			Retail Price, Each	Quantity	Total Retail	Quantity	Total Retail
Brace	10	TB SA1	\$0.99	4	\$3.86	2	\$1.98
Brace	10	TB SA5	1.39	2	2.78	1	1.39
Brace	10	TB SA6	1.99	1	1.99	1	1.99
Brace	10	TB SA7	3.19	1	3.19	1	3.19
Brace	12	TB SA8	3.39	1	3.39	1	3.39
Brace	10	TB SA3	4.39	1	4.39	1	4.39
Expansive Bit	7/8 to 3	TB SB1	1.29	2	2.58	2	2.58
Expansive Bit	1/2 to 1 1/2	TB SB2	.99	1	.99	1	.99
Screw Driver Bit	5/8	TB SB5	.17	2	.34	2	.34
Screw Driver Bit	3/8	TB SB6	.19	2	.38	2	.38
Draw Knife	8	TB SC1	1.10	2	2.20	2	2.20
Draw Knife	10	TB SC2	1.29	1	1.29	1	1.29
Snip, Pocket	7	TB SD1	.49	2	.98	2	.98
Snip, Household	12 3/4	TB SD2	.69	4	2.76	4	2.76
Snip, Tinners', Laid Blade	12 3/4	TB SD3	1.89	1	1.89	1	1.89
Snip, Tinners', Laid Blade	11 1/2	TB SD4	1.59	1	1.59	1	1.59
Snip, Household	10	TB SD5	.59	2	1.18	2	1.18
Snip, Household Combination	12 3/4	TB SD7	.99	2	1.98	1	.99
Pliers, Slip Joint	6	TB SE1	.33	6	1.98	4	1.32
Pliers, Slip Joint	8	TB SE2	.39	4	1.56	2	.78
Pliers, Slip Joint	10	TB SE3	.59	2	1.18	2	1.18
Pliers, Thin Nose	6 1/2	TB SE4	.33	4	1.32	3	.99
Pliers, Bent Nose	6 1/2	TB SE5	.49	2	.98	2	.98
Pliers, Slip Joint Side Cutting	5 1/2	TB SE6	.79	2	1.58	1	.79
Pliers, Slip Joint Side Cutting	7	TB SE66	.99	2	1.98	1	.99
Pliers, Diagonal	5	TB SE7	.99	2	1.98	1	.99
Pliers, Diagonal	6	TB SE77	1.29	2	2.58	1	1.29
Pliers, Electricians' Side Cutting	8	TB SE8	1.59	2	3.18	1	1.59
Pliers, Electricians' Side Cutting	7	TB SE88	1.39	2	2.78	1	1.39
Pliers, Chain Nose	6	TB SE9	.99	2	1.98	1	.99
Pliers, Button	10	TB SE10	1.29	2	2.58	1	1.29
Pliers, Button	8	TB SE11	.99	2	1.98	1	.99
Pliers, Slip Joint	6	TB SE18	.15	6	.90	3	.45
Pliers, Slip Joint	8	TB SE17	.23	4	.92	2	.46
Pliers, Slip Joint	10	TB SE16	.33	4	1.32	2	.66
Pliers, Side Cutting	6	TB SE19	.99	2	1.98	1	.99
Pliers, Side Cutting	8	TB SE20	1.39	2	2.78	1	1.39
Adjustable Angle Wrench	6	TB SF1	.44	3	1.32	2	.88
Adjustable Angle Wrench	8	TB SF2	.66	3	1.98	2	1.32
Adjustable Angle Wrench	10	TB SF3	.88	2	1.76	1	.88
Adjustable Angle Wrench	12	TB SF4	1.09	1	1.09	1	1.09
Knife Handle Monkey Wrench	8	TB SG1	.89	1	.89	1	.89
Knife Handle Monkey Wrench	10	TB SG2	1.10	1	1.10	1	1.10
Chisel, Socket Firmer	1 1/2	TB SH1	.75	4	3.00	3	2.25
Chisel, Socket Firmer	3/4	TB SH2	.85	3	2.55	3	2.55
Chisel, Socket Firmer	1	TB SH3	.95	3	2.85	3	2.85
Chisel, Butt	1/4	TB SH44	.55	1	.55	1	.55
Chisel, Butt	3/8	TB SH45	.59	2	1.18	1	.59
Chisel, Butt	1/2	TB SH4	.69	2	1.38	1	.69
Chisel, Butt	3/4	TB SH5	.79	2	1.58	1	.79
Chisel, Butt	1	TB SH6	.89	2	1.78	1	.89
Chisel, Butt	1 1/4	TB SH7	.99	2	1.98	1	.99
Cold Chisel	1/2	TB SJ1	.15	6	.90	4	.60
Cold Chisel	5/8	TB SJ2	.23	6	1.38	4	.92
Cold Chisel	3/4	TB SJ3	.29	4	1.16	3	.87
Carpenters' Pincers	8	TB SK1	.69	2	1.38	2	1.38
Screw Driver, Solid Bar	4	TB SL1	.33	4	1.32	2	.66
Screw Driver, Solid Bar	6	TB SL2	.43	3	1.29	2	.86
Screw Driver, Solid Bar	8	TB SL3	.53	2	1.06	1	.53
Screw Driver, Household	3	TB SL14	.10	4	.40	2	.20
Screw Driver, Household	4	TB SL15	.15	4	.60	2	.30
Screw Driver, Household	6	TB SL16	.20	3	.60	1	.20

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

Continuation of

SIMMONS LEADER TOOL ASSORTMENTS

—Nos. TB S11 and TB S22—

Items	Size, Inches	Item Nos.	Retail Price, Each	ASSORTMENT No. TB S11		ASSORTMENT No. TB S22	
				Quantity	Total Retail	Quantity	Total Retail
Hammer, Black, Polished Face	16 oz.	TB SM1	\$0.33	4	\$1.32	4	\$1.32
Hammer, Polished Poll and Claws	16 oz.	TB SM2	.69	3	2.07	2	1.38
Hammer, Polished Octagon Neck	16 oz.	TB SM3	.99	2	1.98	2	1.98
Hammer, Polished	16 oz.	TB SM4	1.29	1	1.29	1	1.29
Hammer, Polished, Ripping	16 oz.	TB SM5	.69	3	2.07	2	1.38
Hammer, Engineer or Garage	42 oz.	TB SM6	1.39	2	2.78	1	1.39
Hammer, Machinist	1 lb.	TB SM7	.75	2	1.50	1	.75
Hammer, Machinist	1¼ lb.	TB SM87	.85	1	.85	1	.85
Hammer, Machinist	1½ lb.	TB SM8	.95	1	.95	1	.95
Hammer, Machinist	1¾ lb.	TB SM9	1.05	1	1.05	1	1.05
Hammer, Ladies'	7 oz.	TB SM14	.49	2	.98	1	.49
Coppers, Handled	1½ lb.	TB SN1	.49	2	.98	2	.98
Coppers, Handled	2 lb.	TB SN2	.59	2	1.18	2	1.18
Coppers, Handled	3 lb.	TB SN3	.69	1	.69	1	.69
Wing Divider	8	TB SP1	.69	2	1.38	1	.69
Wing Divider	6	TB SP10	.59	1	.59	1	.59
Pipe Wrench	8	TB SR10	.59	2	1.18	2	1.18
Pipe Wrench	10	TB SR1	.69	4	2.76	2	1.38
Pipe Wrench	14	TB SR2	.99	3	2.97	2	1.98
Pipe Wrench	18	TB SR3	1.39	2	2.78	1	1.39
Pipe Wrench	24	TB SR4	2.19	1	2.19	1	2.19
Steel Square	24x12	TB SS1	.59	2	1.18	2	1.18
Steel Square	24x16	TB SS2	1.10	1	1.10	1	1.10
Try Square	7½	TB SS3	.59	3	1.77	1	.59
Combination Square with Level and Scriber	12	TB SS4	.99	1	.99	1	.99
Quilt Frame Clamp, Cadmium	3	TB ST1	.10	12	1.20	6	.60
Wrecking Bar	24	TB SU2	.39	3	1.17	3	1.17
Block Plane	7x1 5/8	TB SV1	.49	2	.98	2	.98
Smooth Plane	8x1 3/4	TB SV2	1.29	1	1.29	1	1.29
Smooth Plane	9x2	TB SV3	1.69	1	1.69	1	1.69
Jack Plane	14x2	TB SX4	1.99	1	1.99	1	1.99
Half Hatchet	3¼	TB SW1	1.09	2	2.18	2	2.18
Hand Drill	12	TB SX2	1.29	2	2.58	2	2.58
Axe, Michigan Pattern	3½ lb.	TB SY1	1.59	2	3.18	2	3.18
Axe, Double Bit	3½ lb.	TB SY2	1.99	1	1.99	1	1.99
Axe, Household	2¼ lb.	TB SY3	1.39	1	1.39	1	1.39
Slim Taper File	6	TB SZ2	.15	4	.60	4	.60
Extra Slim Taper File	6	TB SZ3	.15	4	.60	4	.60
Mill Bastard File	6	TB SZ4	.15	1	.15	1	.15
Mill Bastard File	8	TB SZ5	.20	2	.40	2	.40
Mill Bastard File	10	TB SZ6	.25	1	.25	1	.25
Vise, Clamp Base	2½	TB SAA11	1.39	1	1.39	1	1.39
Vise, Swivel Base	3½	TB SAA12	2.19	2	4.38	1	2.19
Grinder	4	TB SBB11	1.99	1	1.99	1	1.99
Saw	26	TB SCC11	1.59	2	3.18	2	3.18
Punch, Center	3/8 x 5	TB SDD11	.23	3	.69	2	.46
Punch, Drift	5/8 x 5	TB SDD44	.23	3	.69	2	.46
Punch, Solid	1 1/8 x 6	TB SDD88	.29	3	.87	2	.58
Scratch Awl	3½	TB SHH1	.29	2	.58	2	.58
Wrench Set, Straight Pattern	1/8 to 7/8	TB S6F03	.89	3	2.67	2	1.78
Wrench Set, S Pattern	3/8 to 7/8	TB S5F03	.99	2	1.98	1	.99
Total Number of Items				290		206	
TOOL ASSORTMENTS				No. TB S11	No. TB S22		
Total Retail				\$187.12	\$141.42		
Weight Per Assortment, Lbs.				340	260		

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

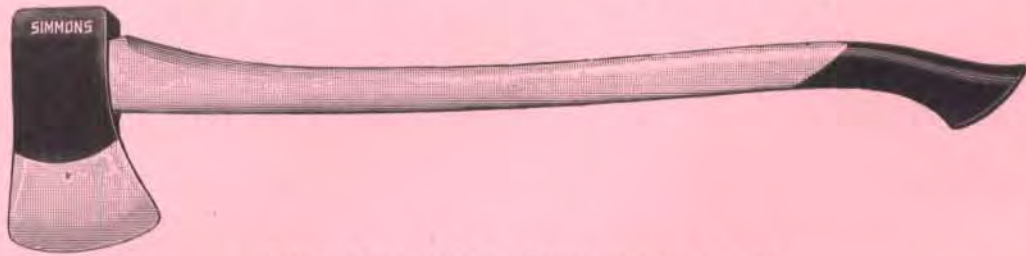
SIMMONS LEADER TOOLS — Quality Tools at Popular Prices

AXES

MICHIGAN PATTERN

• Forged steel, attractive black finish. Properly tempered for lasting edge.

• Good grade hickory handle, ivory finish, with black tip. Securely wedged. Well balanced.



Polished head and bit. Length handle 36 inches.

TBSY1—Weight head 3½ lbs. Weight each 4 lbs. Std. List Each \$1.59.....Each \$1.59



Polished bits. Length handle 32 inches.

TBSY2—Weight head 3½ lbs. Weight each 4 lbs. Std. List Each \$1.99.....Each \$1.99
Four in a package.

HOUSE AXES



Forged steel, Black finish, with polished head and bit. Hickory handle 18 inches long, securely wedged, has ivory finish

with black tip. Width cut 3¾ inches.

TBSY3—Weight of head 2¼ lbs. Weight each 2¾ lbs. Std. List Each \$1.39.....Each \$1.39

Four in a carton.

HOUSEHOLD HATCHET



HALF—PLAIN POLL

• Handy around the home for chopping wood, hammering, pulling nails and similar duties. Handle securely wedged. Beveled nail slot.

Chrome vanadium steel, dead black finish, with polished cutting edge. Punched eye. Ivory lacquered hickory handle with black tip.

TBSW1—Width of cut 3¼ inches. Weight per carton (4) 7½ lbs. Std. List Each \$1.09....Each \$1.09

Four in a carton.

BLACKSMITHS' HAND HAMMERS



• Handy in repair shop and garage. Built for heavy duty.

Drop-forged steel, tempered and hardened head and pein. Full polished. Hickory handle 15 inches long.

TB SM6—Weight head 42 ozs. Weight per carton (4) 11¾ lbs. Std. List Each \$1.39.....Each \$1.39

Four in a carton.

MACHINISTS' BALL PEIN HAMMERS



OCTAGON PATTERN

A useful tool for heavy service.

Drop-forged steel, hardened and tempered. Polished face, poll, pein and sides.

Nos.	Each	Weight Head, Ozs.	Length Handle, Inches	Wgt. Per Carton (4),		Std. List, Each
				Lbs.	Lbs.	
TB SM7	\$0.75	16	14	5¾		\$0.75
TB SM87	.85	20	15½	7¼		.85
TB SM8	.95	24	15½	7¾		.95
TB SM9	1.05	28	16	8¼		1.05

Four in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SIMMONS LEADER TOOLS — Quality Tools at Popular Prices

NAIL HAMMERS

- Claws grip nail easily. Smooth-grip handle securely wedged in head and well balanced.



Drop-forged steel, hardened face, tempered claws. Adze eye. Bell face. Black finish, with polished striking face. White ash handle 13 inches long.

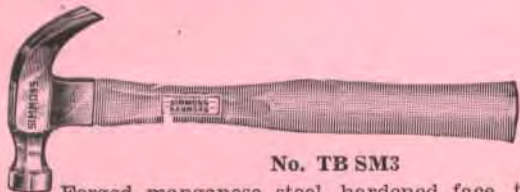
TB SM1—Weight of head 16 ounces. Weight per carton (6) 8 $\frac{5}{8}$ lbs. **Std. List Each \$0.33...Each \$0.33**



Forged steel hardened and tempered. Adze eye. Bell face. Black finish, with polished poll and back of claw. Hickory handle 13 inches long.

TB SM2—Weight of head 16 ounces. Weight per carton (6) 8 $\frac{5}{8}$ lbs. **Std. List Each \$0.69...Each \$0.69**

Six in a carton.



No. TB SM3

Forged manganese steel, hardened face, tempered claws. Adze eye. Octagon neck. Round poll. Hickory handle 12 inches long.

Polished; black finish under claw and top of eye. Semi-octagon handle.

TB SM3—Weight of head 16 ounces. Weight per carton (4) 6 $\frac{1}{8}$ lbs. **Std. List Each \$0.99...Each \$0.99**

Highly polished and extra heat-treated. Bronze finish under neck and claw. Oval handle.

TB SM4—Weight of head 16 ounces. Weight per carton (4) 6 $\frac{1}{8}$ lbs. **Std. List Each \$1.29...Each \$1.29**

Four in a carton.

NAIL OR RIPPING HAMMERS



- Claws designed for greatest leverage. Forged steel, hardened face, tempered claws.

Adze eye. Bell face. Plain poll and bell face polished. Black finish on neck and under claw. Hickory handle 13 inches long.

TB SM5—Weight of head 16 ounces. Weight per carton (4) 6 $\frac{1}{4}$ lbs. **Std. List Each \$0.69...Each \$0.69**

Four in a carton.

LADIES' HAMMERS



- Light but strong—every housewife will find it useful and easy to handle. Forged steel. Adze eye. Bell face and poll polished.

Black finish on neck. Hickory handle 12 inches long, black tip.

TB SM14—Weight of head 7 ounces. Weight of carton (6) 4 $\frac{1}{2}$ lbs. **Std. List Each \$0.49...Each \$0.49**

Six in a carton.

WRECKING BARS



- Tough and sturdy, withstands great strain.
- Handy claw.

Gooseneck pattern.

Drop-forged steel, $\frac{3}{4}$ -inch hexagon.

TB SU2—Length 24 inches. Weight each 3 $\frac{3}{4}$ lbs. **Std. List Each \$0.39...Each \$0.39**

Packing—bulk.

EXPANSIVE BITS



- Fits regular bit braces. Screw secures cutter in position at any size you want. Open throat affords free clearance of chips.
- Forged steel, nicely polished. Single thread on screw. Complete with two cutters.

Nos.	Each	Cutters, Nos.	Bores Holes, Inches	Lgth., Inches	Wgt. Each, Lbs.	Std. List, Each
TB SB1	\$1.29	3 and 4	$\frac{7}{8}$ to 3	9 $\frac{1}{2}$	$\frac{3}{4}$	\$1.29
TB SB2	.99	1 and 2	$\frac{1}{2}$ to 1 $\frac{1}{2}$	7 $\frac{1}{2}$	$\frac{1}{4}$	.99

One in a carton.

SCREW DRIVER BITS



Forged steel, tempered. Blade and shank polished. Withstands hard usage.

Nos.	Each	Size Bit, Inch	Length, Inches	Wgt. Per Carton (6), Lbs.	Std. List, Each
TB SB5	\$0.17	$\frac{5}{16}$	4 $\frac{1}{2}$	$\frac{5}{8}$	\$0.17
TY SB6	.19	$\frac{3}{8}$	5	$\frac{3}{4}$	.19

Six in a carton.

HAND DRILLS



Polished steel frame. Smooth cast gray iron easy-running gears, machine cut. Strong steel pinions. Knurled steel

chuck with 3 hardened tool steel jaws, for round shank drills up to $\frac{1}{2}$ -inch. Hardwood side and crank handles. Hollow handle for holding drills, with extra large screw cap. (Drills not included.)

TB SX2—Single speed. Length over all 12 inches. Weight each 1 $\frac{1}{4}$ lbs. **Std. List Each \$1.29...Each \$1.29**

Six in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SIMMONS LEADER TOOLS — Quality Tools at Popular Prices

RATCHET BIT BRACES DURABLE—SMOOTH WORKING



Ball-Bearing Head and Chuck

and nickel-plated steel bow withstands heavy pressure— $\frac{1}{2}$ -inch in diameter. Box ring ratchet. Ball-bearing knurled chuck with machine-cut threads provides free, easy-action—capacity $\frac{1}{8}$ -inch round or $\frac{1}{16}$ -inch square shank bits. Patent alligator pattern self-centering forged steel jaws, machined and hardened—hold bit tight. Length over all 14 $\frac{1}{4}$ inches.

TB SA3—Sweep 10 inches. Weight per carton (2) 6 $\frac{1}{2}$ lbs. **Std. List Each \$4.39**.....**Each \$4.39**
Two in a carton.



Ball-Bearing Head

tra heavy chuck, knurled, with machine-cut threads. Forged steel self-centering spring pattern alligator jaws hold bit tight.

Nos.	Each	Sweep, Inches	Length Over All, Inches	Weight Per Carton (2) Lbs.	Std. List, Each
TB SA7	\$3.19	10	14	6 $\frac{1}{8}$	\$3.19
TB SA8	3.39	12	15	6 $\frac{1}{2}$	3.39



Ball-Bearing Head

ring ratchet. Knurled chuck with machine-cut threads. Forged steel self-centering spring pattern alligator jaws hold bit tight. Length over all 14 inches.

TB SA6—Sweep 10 inches. Weight per carton (2) 5 $\frac{1}{2}$ lbs. **Std. List Each \$1.99**.....**Each \$1.99**
Two in a carton.



threads. Self-centering alligator jaws hold bit tight. Length over all 13 inches. Sweep 10 inches.

TB SA1—Polished bright. Pin type jaws. Regular head. Weight per carton (4) 9 $\frac{1}{2}$ lbs. **Std. List Each \$0.99**.....**Each \$0.99**
Four in a carton.

TB SA5—Nickel-plated and buffed. Spring type jaws. Screw fastened head. Weight per carton (2) 4 $\frac{1}{2}$ lbs. **Std. List Each \$1.39**.....**Each \$1.39**
Two in a carton.

Nickel-plated.

Cocobolo head and sweep handle. Full steel clad ball-bearing head. Sweep handle has concealed brass friction washers and nickel-plated ferrules. Extra heavy, highly polished

Highly Nickel-Plated.

Cocobolo head and sweep handle. Steel clad ball-bearing head. Strong steel bow withstands heavy pressure— $\frac{1}{2}$ -inch in diameter. Box ring ratchet. Extra heavy chuck, knurled, with machine-cut threads. Forged steel self-centering spring pattern alligator jaws hold bit tight.

Weight

Nos.	Each	Sweep, Inches	Length Over All, Inches	Weight Per Carton (2) Lbs.	Std. List, Each
TB SA7	\$3.19	10	14	6 $\frac{1}{8}$	\$3.19
TB SA8	3.39	12	15	6 $\frac{1}{2}$	3.39

Highly Nickel-Plated

Mahogany finish hardwood head and sweep handle. Steel clad ball-bearing head. Strong steel bow withstands heavy pressure— $\frac{1}{2}$ -inch in diameter. Open ring ratchet. Knurled chuck with machine-cut threads. Forged steel self-centering spring pattern alligator jaws hold bit tight. Length over all 14 inches.

TB SA6—Sweep 10 inches. Weight per carton (2) 5 $\frac{1}{2}$ lbs. **Std. List Each \$1.99**.....**Each \$1.99**
Two in a carton.

Mahogany finished hardwood head and sweep handle. Strong steel bow withstands heavy pressure— $\frac{1}{2}$ -inch in diameter. Open ring ratchet. Knurled chuck with machine-cut threads. Self-centering alligator jaws hold bit tight. Length over all 13 inches. Sweep 10 inches.

TB SA1—Polished bright. Pin type jaws. Regular head. Weight per carton (4) 9 $\frac{1}{2}$ lbs. **Std. List Each \$0.99**.....**Each \$0.99**
Four in a carton.

TB SA5—Nickel-plated and buffed. Spring type jaws. Screw fastened head. Weight per carton (2) 4 $\frac{1}{2}$ lbs. **Std. List Each \$1.39**.....**Each \$1.39**
Two in a carton.

SCREW DRIVERS

Well constructed for general use.



SOLID BAR

• Special construction for long life. Fluted handle provides firm grip. Round natural finish wood handle secured to shank with 2 heavy flush rivets.

Nos.	Each	Length Blade, In.	Width Point, In.	Lgth. Over All, In.	Wgt. Per Ctn., Lbs.	Std. List, Each
TB SL1	\$0.33	4	$\frac{1}{4}$	8 $\frac{3}{4}$	2 $\frac{3}{8}$	\$0.33
TB SL2	.43	6	$\frac{3}{16}$	10 $\frac{3}{4}$	3 $\frac{1}{4}$	.43
TB SL3	.53	8	$\frac{3}{8}$	13 $\frac{1}{4}$	2 $\frac{1}{4}$	.53

Packing: 8-inch—three in a carton. Others—six in a carton.



HOUSEHOLD

• Steel blade and ferrule brightly polished. Hardwood handle is heavily fluted and has black rubberoid finish that provides non-slip grip.

Nos.	Each	Length Blade, In.	Width Bit, In.	Lgth. Over All, In.	Wgt. Per Ctn., Lbs.	Std. List, Each
TB SL14	\$0.10	3	$\frac{1}{8}$	6 $\frac{3}{4}$	1	\$0.10
TY SL15	.15	4	$\frac{1}{2}$	9	1 $\frac{1}{4}$	.15
TB SL16	.20	6	$\frac{5}{8}$	11 $\frac{1}{2}$	2 $\frac{1}{8}$	.20

Six in a carton.

SCRATCH AWLS



Hardwood handle shaped for smooth, easy grip. Shank extends through handle and headed—cannot come loose. Tapered fine quality steel blade, polished. Handle nicely finished. Blade length, 3 $\frac{1}{2}$ inches. Length over all 6 $\frac{1}{2}$ inches.

TB SHH1—Weight per carton (6) 1 $\frac{1}{8}$ lbs. **Std. List Each \$0.29**.....**Each \$0.29**
Six in a carton.

Six in a carton.

WING DIVIDERS



• Easy acting thumb screw and nut afford quick, easy adjustment.

Forged steel, polished. Brass joints.

Nos.	Each	Length, Inches	Weight Per Carton (6) Lbs.	Std. List, Each
TB SP10	\$0.59	6	2	\$0.59
TB SP1	.69	8	2 $\frac{1}{4}$.69

Six in a carton.

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SIMMONS LEADER TOOLS—Quality Tools at Popular Prices

COMBINATION PLIERS

SLIP JOINT



GAS AND FLAT NOSE

- Deep milled teeth grip work securely. Drop forged tool steel, hardened. Knurled handles. Nickel-plated and highly polished

finish. Wire cutter between jaws.

Nickel-Plated and Highly Polished

Nos.	Each	Length, Inches	Weight Per Carton (6) Lbs.	Std. List Each
TB SE1	\$0.33	6	3	\$0.33
TB SE2	.39	8	3¾	.39
TB SE3	.59	10	6¾	.59

Cadmium Finish

TY SE18	.15	6	2¾	.15
TB SE17	.23	8	3¾	.23
TB SE16	.33	10	6½	.33

SIDE CUTTING



- Deep milled teeth grip work securely. Drop forged tool steel, hardened. Knurled handles. Nickel-plated and highly polished finish.

Nos.	Each	Length, Inches	Weight Per Carton (6) Lbs.	Std. List Each
TB SE6	\$0.79	5½	1¾	\$0.79
TB SE66	.99	7	3	.99



THIN BENT NOSE

- Deep milled teeth grip work securely. Drop forged tool steel, hardened. Knurled

handles. Nickel-plated and highly polished finish. Particularly handy for automobile and garage men. Useful for work on flat surfaces.

TB SE5—Length 6½ inches. Weight per carton (6) 2½ lbs. Std. List Each \$0.49 Each \$0.49



THIN NOSE

- Deep milled teeth grip work securely. Drop forged tool steel, hardened. Knurled handles. Full polished.

Ideal for places too narrow for flat nose pliers. Wire cutter between jaws.

TB SE4—Length 6 inches. Weight per carton (6) 3¾ lbs. Std. List Each \$0.33 Each \$0.33

One in a cardboard box; six in a carton.

CARPENTERS' PINCERS



HAMMER HEAD PATTERN

- Handy for carpenters. Wire cutter between jaws. Screw driver on one handle. Tack claw

on the other. Strong rivet at joint. Forged steel. Polished face. Handles smooth black finish. Length 8 inches.

TB SK1—Weight per carton (4) 3¼ lbs. Std. List Each \$0.69 Each \$0.69

Four in a carton.

PLIERS

LAP JOINT



LONG CHAIN-NOSE—SIDE CUTTING

Forged steel, hardened. Knurled handles. Full polished. Ideal for extra narrow places. Length 5½ inches; jaws 1¾ inches.

TB SE9—Weight per carton (6) 1½ lbs. Std. List Each \$0.99..... Each \$0.99



DIAGONAL CUTTING

- Cuts quickly, accurately. Forged steel, hardened. Knurled handles. Full polished.

Nos.	Each	Length, Inches	Weight per Carton (6), Lbs.	Std. List Each
TB SE7	\$0.99	5	1½	\$0.99
TB SE77	1.29	6	2	1.29



ELECTRICIANS' SIDE CUTTING

Klein Pattern

Forged steel, tempered and carefully fitted. Knurled handles. Full

polished. Large opening at side of cutter for cutting insulated wire.

Nos.	Each	Length, Inches	Weight per Carton (6), Lbs.	Std. List Each
TB SE88	\$1.39	7	4½	\$1.39
TB SE8	1.59	8	6¼	1.59



SIDE CUTTING Heavy Pattern

Forged steel, hardened. Knurled handles. Full polished. Large opening at side of cutter for cutting insulated wire.

Nos.	Each	Length, Inches	Weight per Carton (6), Lbs.	Std. List Each
TB SE19	\$0.99	6	2½	\$0.99
TB SE20	1.39	8	5¼	1.39



BUTTON PATTERN

Forged steel, hardened. Knurled handles. Full polished. Fence plier-combined wire puller. Has positive stop for aligning cutters. Nose is

milled to furnish a strong grip for pulling or straightening wire.

Nos.	Each	Length, Inches	Weight per Carton (6), Lbs.	Std. List Each
TB SE11	\$0.99	8	4½	\$0.99
TB SE10	1.29	10	6½	1.29

One in a cardboard box; six in a carton.

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SIMMONS LEADER TOOLS — Quality Tools at Popular Prices

SOCKET FIRMER CHISELS



Forged steel beveled blade, hardened and tempered, ground to thin, keen edge; mirror finish. Leather capped hardwood handle. Average length of blade 4½ inches.

Nos.	Each	Size, Inches	Weight Per Carton (6), Lbs.	Std. List, Each
TB SH1	\$0.75	½	1¾	\$0.75
TB SH2	.85	¾	2½	.85
TB SH3	.95	1	2¾	.95

Six in a carton.

SOCKET BUTT CHISELS



Forged steel beveled blade hardened and tempered, ground to thin, sharp edge; polished finish. Leather capped varnished hardwood handle. Average length of blade 3¼ inches.

Nos.	Each	Size, Inches	Weight Per Carton (6) Lbs.	Std. List Each
TB SH44	\$0.55	¼	1¾	\$0.55
TB SH45	.59	⅜	1⅞	.59
TB SH4	.69	½	1½	.69
TB SH5	.79	¾	1¾	.79
TB SH6	.89	1	2	.89
TB SH7	.99	1¼	2½	.99

Six in a carton.

IRON BLOCK PLANES



Smooth, easy-cutting and serviceable. Japanned cast-iron frame and cap. Tempered and polished steel cutter. Hardwood knob. Lever adjustment. Length 7¼ inches. Cutter 1½ inches.

TB SV1—Weight each 1¼ lbs. Std. List, Each \$0.49 Each \$0.49

One in a carton.

DRAW KNIVES



• For fast, easy cutting. Handles shaped for firm, non-slip grip. Tangs securely attached to handles.

Forged steel tempered blade and shank, highly polished. Mahogany finish handles with heavy metal ferrules and caps. Blade 1½ inches wide.

Nos.	Each	Length Blade, Inches	Weight Per Carton, Lbs.	Std. List Each
TB SC1	\$1.10	8	3¾	\$1.10
TB SC2	1.29	10	2¼	1.29

Packing: 8-inch—three in a carton. 10-inch—two in a carton.

ADJUSTABLE PLANES

- Japanned cast-iron frame and cap. Rosewood finish handle and knob shaped to assure steady grip.
- Tempered and polished steel cutter.
- Screw and lever adjustment. Tight-fitting frog prevents chattering.

SMOOTHING



Nos.	Each	Length, Inches	Size Cutter, Inches	Weight Each, Lbs.	Std. List Each
TB SV2	\$1.29	8	1¾	3½	\$1.29
TB SV3	1.69	9	2	3¾	1.69

JACK



TB SV4 — Length 14 inches. Cutter 2 inches. weight each 4¾ lbs. Std. List Each \$1.99. Each \$1.99

One in a carton.

PLANE ASSORTMENT



This assortment of planes has been selected to meet the requirements of almost all dealers in hardware and consists of 9 planes of the most called-for styles and sizes. Planes are all SIMMONS Leader Quality.

Assortment consists of:

	Each
6 Iron Block planes No. TB SV1.....	\$0.49
1 Smooth plane No. TB SV2.....	1.29
1 Smooth plane No. TB SV3.....	1.69
1 Jack plane No. TB SV4.....	1.99

TB SVA—Weight per assortment 30 lbs.

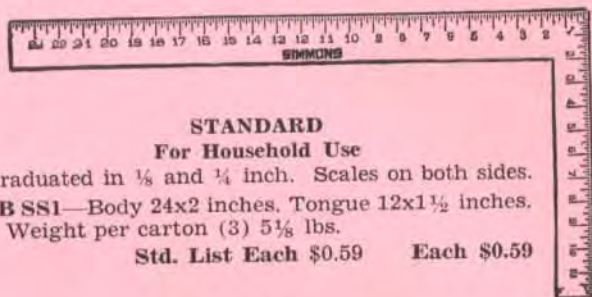
Each plane in an individual box; One assortment in a carton.

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SIMMONS LEADER TOOLS — Quality Tools at Popular Prices

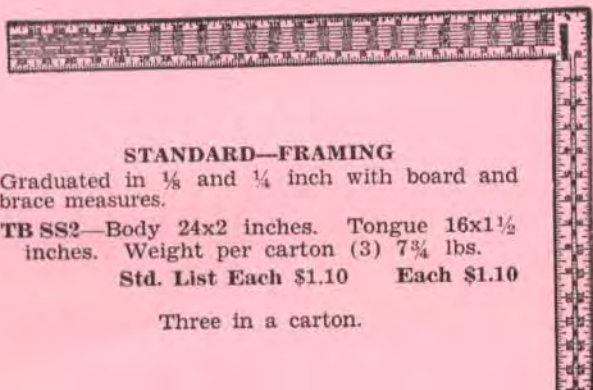
STEEL SQUARES

- Flat steel, polished. Provides accurate measurements. Distinct figures are easy to read.



STANDARD For Household Use

Graduated in $\frac{1}{8}$ and $\frac{1}{4}$ inch. Scales on both sides.
TB SS1—Body 24x2 inches. Tongue 12x1 $\frac{1}{2}$ inches.
 Weight per carton (3) 5 $\frac{1}{8}$ lbs.
Std. List Each \$0.59 Each \$0.59



STANDARD—FRAMING

Graduated in $\frac{1}{8}$ and $\frac{1}{4}$ inch with board and brace measures.
TB SS2—Body 24x2 inches. Tongue 16x1 $\frac{1}{2}$ inches. Weight per carton (3) 7 $\frac{3}{4}$ lbs.
Std. List Each \$1.10 Each \$1.10

Three in a carton.

TRY SQUARES



- Accurately graduated. Markings easily read. Blued steel blade securely riveted to hardwood back. Brass trim.

TB SS3—Size 7 $\frac{1}{2}$ inches. Weight per carton (3) 1 $\frac{1}{4}$ lbs. **Standard List, Each \$0.59 Each \$0.59**

Three in a carton.

COMBINATION SQUARES

With Level and Scriber



Bright finish steel blade marked on edges of both sides—one side in 8ths, the other in 16ths inch. Enamelled steel head with square and mitre faces slides in

groove of face and can be secured by thumb nut. Head is removable so blade can be used separately. With 12-inch steel rule.

TB SS4—Weight each 13 ounces.
Std. List Each \$0.99 Each \$0.99

One in a carton.

HAND SAWS



SKEW BACK—4 Screws

- Crucible steel blade, full taper ground, brightly polished and etched. Teeth filed and set to provide fast, smooth sawing. Black and white lacquered handle, firmly attached to blade.

Length cutting edge 26 inches. Width blade, at butt 6 $\frac{1}{8}$ inches, at point 1 $\frac{3}{4}$ inches. Four screws.

TB SCC11—Hand. Points per inch 8. Weight per carton (4) 6 $\frac{1}{2}$ lbs. **Std. List Each \$1.59. Each \$1.59**

Four in a carton.

COLD CHISELS



Forged tool steel, carefully tempered to correct hard-

ness—tough and strong. Black finish.

Nos.	Each	Cut, In.	Lgth., In.	Diameter, In.	Wt. Ctn. (6) Lbs.	Std. List Each
TY SJ1	\$0.15	$\frac{1}{2}$	6	$\frac{1}{2}$	1 $\frac{3}{4}$	\$0.15
TB SJ2	.23	$\frac{5}{8}$	6 $\frac{3}{8}$	$\frac{5}{8}$	2 $\frac{1}{2}$	.23
TB SJ3	.29	$\frac{3}{4}$	7 $\frac{1}{2}$	$\frac{3}{4}$	5	.29

Six in a carton.

DRIFT PUNCHES

- Forged from high quality steel, $\frac{5}{16}$ -inch hexagon—strong, sturdy, withstands hard service.
- Black finish. Polished point.



Diameter point $\frac{5}{16}$ inch.

TB SDD44—Length 5 inches. Weight per carton (6) $\frac{3}{4}$ lb. **Std. List Each \$0.23 Each \$0.23**

Six in a carton.

SOLID PUNCHES

- Forged from high quality steel, $\frac{5}{16}$ -inch hexagon—strong, sturdy, withstands hard service.
- Black finish. Polished point.



Diameter point $\frac{5}{16}$ -inch

TB SDD88—Length 6 inches. Weight per carton (6) 1 $\frac{3}{4}$ lbs. **Std. List Each \$0.29 Each \$0.29**

Six in a carton.

CENTER PUNCHES

- Forged from high quality steel, $\frac{5}{16}$ -inch hexagon—strong, sturdy, withstands hard service.
- Black finish. Polished point.



Sharp point.

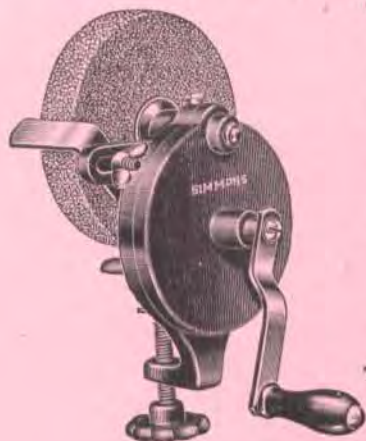
TB SDD11—Length 5 inches. Weight per carton (6) $\frac{3}{4}$ lb. **Std. List Each \$0.23 Each \$0.23**

Six in a carton.

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SIMMONS LEADER TOOLS — QUALITY TOOLS AT POPULAR PRICES

TOOL GRINDERS



- Ideal for sharpening tools and cutlery. Useful in workshop and kitchen. Handy clamp for attaching to bench or table.

Vitrified grinding wheel 4x1 inches. Properly balanced adjustable tool rest.

Machine cut helical gears. Cast dust-proof case, red enameled finish. Wrought steel handle with black enameled wood grip. Wheel type clamp screw.

TB SBB11 — Weight each 4½ lbs.

Std. List Each \$1.99
Each 1.99

One in a carton.

VICES

- Extra heavy cast iron. Hardened jaws with milled pipe jaws. Polished steel free-action screw and sliding handle. Red enameled, with polished jaws and top of anvil.



STATIONARY— Clamp Base

Easily clamped to bench or table.

TB SAA11—Width jaws 2½ inches. Open 2½ inches. Weight each 6 lbs.

Std. List Each \$1.39
Each 1.39

Swivel Base

Vise swivels on base and can be quickly locked by lever.

TB SAA12—

Width jaws 3½ inches. Open 4 inches. Weight each 11¾ lbs.

Std. List

Each \$2.19
Each 2.19



One in a carton.

SOLDERING COPPERS



SQUARE POINT

Drawn copper. Wrought iron shank. Shaped hardwood handle with wired iron.

Nos.	Each	Wt. Each, Copper, Lbs.	Wt. Each, Complete, Lbs.	Std. List, Each
TB SN10	\$0.38	¼	¾	\$0.38
TB SN11	.41	⅜	⅞	.41
TB SN12	.44	½	1 ⅛	.44
TB SN1	.49	¾	1 ½	.49
TB SN2	.59	1	1 ¾	.59
TB SN3	.69	1 ½	1 ¾	.69

Std. List, Each

Each \$0.38
Each .41
Each .44
Each .49
Each .59
Each .69

Wrapped in paper.

TINNERS' SNIPS

- Sharp blades snip light metal quickly and accurately.



GENERAL PURPOSE

Solid forged steel. Red enameled handles. Polished heads.

Nos.	Each	Lgth., In.	Cut, In.	Wt. Per Carton (6), Lbs.	Std. List, Each
TB SD2	\$0.69	12½	3	11¼	\$0.69
TB SD5	.59	10	2½	7½	.59

Six in a carton.



STRAIGHT

Forged from special high-grade metal, with steel laid blades. Blue japanned handles. Polished heads.

Nos.	Each	Lgth., In.	Cut, In.	Will Cut Iron, Ga.	Wt. Per Ctn. (2), Lbs.	Std. List, Each
TB SD3	\$1.89	12¾	3	27	3¾	\$1.89
TB SD4	1.59	11¾	2½	28	3	1.59

Two in a carton.



STRAIGHT

Solid forged steel. Red enameled handles. Polished heads. Pocket size. Length 7 inches, cut 2 inches.

TB SD1—Weight per carton (6) 3¾ lbs.

Std. List, Each \$0.49.....Each \$0.49

Six in a carton.

TINNERS' SNIPS



COMBINATION, CIRCULAR AND STRAIGHT

- Sharp blades snip light metal quickly and accurately.

Combines advantages of circular and straight snips in one tool! Jaws are specially ground and shaped to cut curved and irregular shapes as readily as straight work.

Solid forged steel. Red japanned handles. Polished head. Length 12¾ inches. Cut 3 inches.

TB SD7—Weight per carton (2) 3¾ lbs.

Std. List, Each \$0.99.....Each \$0.99

Two in a carton.

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SIMMONS LEADER TOOLS — Quality Tools at Popular Prices

PIPE WRENCHES



STEEL HANDLE

- Milled jaws provide positive grip. High-grade material and workmanship assure long performance.

Drop forged steel jaws and handle. Polished steel frame. Smooth-working knurled adjusting nut.

Nos.	Each	Lgth., In.	Capac., In.	Wt. Per	
				Carton, Lbs.	Std. List, Each
TB SR10	\$0.59	8	3/8 to 3/4	4 1/2	\$0.59
TB SR1	.69	10	3/8 to 1	8 5/8	.69
TB SR2	.99	14	3/4 to 1 1/2	16 1/4	.99
TB SR3	1.39	18	3/4 to 2	17 1/2	1.39
TB SR4	2.19	24	3/4 to 2 1/2	24	2.19

Packing: 8- to 14-inch—six in a carton.
18-inch and over—four in a carton.

ANGLE WRENCHES



ADJUSTABLE

- Easily adjusted with free-action knurled screw. Special forged steel. Jaws and frame polished. Cadmium finish handle.

Nos.	Each	Lgth., In.	Cap., In.	Wt.	
				Each, Lbs.	Std. List, Each
TB SF1	\$0.44	6	3/4	3/8	\$0.44
TB SF2	.66	8	1 1/8	5/8	.66
TB SF3	.88	10	1 1/8	1 1/4	.88
TB SF4	1.09	12	1 1/8	2	1.09

One in a cardboard box; six in a carton.

WRENCHES



KNIFE HANDLE

Forged steel bar and head. Tough malleable iron handle frame. Head and jaw hardened. Bar extends to end of handle and is riveted. Selected hardwood grip secured by 2 rivets and countersunk washers. Knurled adjusting screw.

Nos.	Each	Lgth., In.	Jaws		Wt. Per	
			Open, In.	(4), Lbs.	Carton Std. List, Each	
TB SG1	\$0.89	8	1 1/4	6 1/4	\$0.89	
TB SG2	1.10	10	1 3/4	8 5/8	1.10	

Four in a carton.

QUILT FRAME CLAMPS



- Ideal for pattern making, and similar work. Used extensively by home workshop operators and model airplane builders. Swivel head screw adjusts itself to uneven shapes. Cast iron frame and screw, cadmium plated. Opens 3 inches.

TB ST1—Weight per carton (12) 5 1/4 lbs.
Std. List Each \$0.10.....Each \$0.10

Twelve in a carton.

WRENCH SETS



"S" PATTERN

Open end, double head. Forged steel, cadmium-plated to resist rust. Polished jaws. No two openings alike.

Set of 5 wrenches—10 openings ranging from 3/8-inch to 1-inch. Handy metal clip holds wrenches compact.

TB S5FO4—Weight per set 2 3/4 lbs.
Std. List, Per Set \$0.99.....Per Set \$0.99

Packing—bulk.

WRENCH SETS



ENGINEER'S STRAIGHT PATTERN

Open end, double head. Forged steel, cadmium-plated to resist rust. Polished jaws. No two opening alike.

Set of 6 wrenches—12 openings ranging from 5/16-inch to 1-inch. Handy metal clip holds wrenches compact.

TB S6FO3—Weight per set 1 3/8 lbs.
Std. List, Per Set \$0.89.....Per Set \$0.89

Packing—bulk.

FILES

- Skillfully made to do good work. High quality steel.



For filing and sharpening hand saws, or any type saw having 60-degree angle teeth. Edges and corners are "set" and cut, to file gullet between saw teeth. Length 6 inches.

TY SZ2—Slim Taper. Weight per carton (6) 7 ozs. Std. List Each \$0.15.....Each \$0.15

TY SZ3—Extra Slim Taper. Weight per carton (6) 5 1/2 ozs. Std. List Each \$0.15.....Each .15

Six in a carton.



MILL BASTARD

For filing mill or circular saws, planes and mowing machine knives. For lathe work, draw filing and for finishing the several compositions of brass and bronze. Also for sharpening agricultural tools, such as garden, field and cotton hoes.

Nos.	Each	Length, Inches	Weight Per		Std. List Each
			Carton (4) Lbs.	Lbs.	
TY SZ4	\$0.15	6	1/2		\$0.15
TB SZ5	.20	8	3/4		.20
TB SZ6	.25	10	1 3/4		.25

Four in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

LIST OF KEEN KUTTER BRANDED MERCHANDISE

MECHANICS' TOOLS

AUGERS,
Nut
Ship

AXES,
Double Bit, Handled
House
Scout
Single Bit, Handled

AXE STONES

BITS,
Auger
Car
Countersink
Electrician
Expansive
Gimlet
Screw Driver
Ship Car
Wood

BIT BRACES

BIT EXTENSIONS,
Straight

BLADES,
Butcher Saw, Coil
Hack Saw
Wood Saw

CABINET SCRAPERS

CHISELS,
Butt
Cape
Cold
Socket Firmer

CALIPERS

CARPENTERS' APRONS

CARPENTERS' PENCILS

CHISEL HANDLES

CORNER BRACES

CUTTING NIPPERS

DRILLS,
Bit Stock, Twist
Straight Shank,
Machine
Straight Shank,
Twist

DRAWING KNIVES

DIVIDERS

FILES,
Cant Saw
Carpenters' Special
Extra Slim Taper
Flat Bastard
Flat Smooth
Great American
Cross Cut
Half Round, Bastard
Half Round, Cabinet
Half Round, Smooth
Half Round, Wood
Knife, Bastard
Mill, Bastard
Mill, One Safe Edge
Regular Taper
Reversible Taper
Round, Bastard
Safety Mill
Slim Taper
Special Blunt
Square, Bastard
Straight, Mill
Warding, Bastard
Cut
Warding, Second Cut

GLASS CUTTERS

GOUGES

GRUB HOES

HAMMERS,
Bill Posters'
Blacksmiths'
Brick
Machinists' Ball Pein
Machinists' Riveting
Nail
Saw Setting

HANDLES,
Axe, D. B.
Axe, S. B.
Blacksmith Hand
Brick Hammer
Broad Axe
Broad Hatchet
Cross Cut Saw
House Axe
Hunters' Axe
Lathing Hatchet
Machinist Hammer
Mattock
Nail Hammer
Pick
Scout Axe
Shingling Hatchet
Sledge or Spike Maul

HATCHETS,
Broad
Claw
Half
Lathing
Shingling
Rig Builders'
Produce

HAZEL HOES

LEVEL GLASSES

MALLETS

MARKING GAUGES

MATTOCKS

NAIL SETS

OIL STONE SLIPS

OIL STONES

PICKS,
Coal
Railroad

PINCERS,
Carpenters'
Hoof Paring
Nail Cutting

PLANES,
Block
Fore
Jack
Smooth

PLANE IRONS

PLIERS,
Chain Nose
Combination
Diagonal Cutting
Lineman's
Side Cutting
Thin Nose

PLASTERERS' HAWKS

PLUMBS and LEVELS

PUNCHES,
Center
Machine
Pin
Prick
Leather, Round

POCKET KNIFE HONES

RASPS,
Extra Slim, Light
Horse
Flat Wood
Half Round, Shoe
Half Round, Wood
Plain Horse

REAMERS, FLUTED

RULES,
Boxwood
Folding

SAW CLAMPS

SAW TOOLS

SCRATCH AWLS

SCREW DRIVERS,
Electricians'
Regular

SPEED INDICATORS

SQUARES

SAWS,
Back
Compass
Coping
De-Horning
Hack Saw
Hand
Keyhole
Kitchen
Metal Cutting
Mitre Box
Nest, of Saws
Panel
Pruning
Rip
Ship
Wood or Buck

TACK CLAWS

TINNERS' SNIPS

TOOL BAGS

TROWELS,
Brick
Plastering
Pointing

TRY SQUARES

TRY and MITRE SQUARES

WORK BENCHES

WRENCHES,
Engineers' Double
End
Tappet, Double End
Thin Alloy Steel,
Angle
Stillson Pattern Pipe

CUTLERY

CARVERS, IN SETS

CLEAVERS,
Household

CLIPPERS,
Hair
Toilet

COOKS' FORKS

FOOD CHOPPERS

HAMBURGER TURNERS

KNIVES,
Boning
Bread
Broom Corn
Budding
Butcher
Cooks'
Cotton Sampling
Grafting
Grape Fruit
Ham Slicing
Hunting
Linoleum
Paring
Pocket
Poultry Killing
Putty
Roofing
Scraping
Shoe
Skinning
Slicing
Sticking
Steak
Utility

MEAT CUTTERS

POCKET KNIVES,
Cattle
Jack
Pen
Pruning
Scout

PUTTY CHISELS

RAZORS,
Old Style Blade
Safety

RAZOR BLADES,
Double Edge
Single Edge

RAZOR HONES

RAZOR STROPS

SCISSORS,
Button Hole
Cuticle
Embroidery or Lace
Ladies' or Regular
Manicure
Nail
Pedicure
Pocket

SHEARS,
Bankers' or Paper
Barbers'
Bent, Trimmers
Kitchen
Straight Trimmers
Tailors'

STEELS,
Butcher
Kitchen

TABLE KNIVES and FORKS

GARDEN TOOLS and IMPLEMENTS

BUSH HOOKS

CORN KNIVES

CULTIVATORS,
Garden
Speedy

DITCH BANK BLADES

DRAIN CLEANERS

FORKS,
Alfalfa
Baling Press
Barn
Coal
Coal Scoop
Coke
Cotton Seed
English Digging
Grain
Header
Manure
Mill or Manure
Stone
Sugar Beet Scoop
Spading
Vegetable Scoop

GARDEN PLOWS

GARDEN SETS

GARDEN TROWELS

GARDEN WEEDERS

GLOVES,
Cotton, Work
Rubber Dipped,
Cotton

GRASS CUTTERS

GRASS HOOKS

GRASS SHEARS

HEDGE KNIVES

HEDGE SHEARS

HOES,
Cotton
Cultivator
Eye
Garden
Garden Mattock
German Grub or
Sprouting
Mattock
Mortar
Planters'
Railroad Scuffle
Scuffle
Southern Meadow
Strawberry
Triangular Weeder
Turf Edgers
Weeding

HOOKS,
Potato
Stone

HORSE OR MULE SHEARS

LAWN MOWERS,
4 and 5 Knife, Plain
4 and 5 Knife,
Rubber
Quiet, Rubber Tired

POST HOLE AUGERS

POST HOLE DIGGERS

PRUNERS,
Trimmer

PRUNING SHEARS

RAKES,
Broome
Coal or Road
Dandelion
Garden
Lawn
Park
Tar or Asphalt

SCYTHES,
Bush
Grass
Weed

SCYTHE STONES

SHEEP SHEARS

SIDEWALK CLEANERS

SCOOPS,
Break Down
Coal Yard
Grain
Gravel

SHOVELS,
Campers' or Floral
Dirt, "D" Handle
Dirt, Long Handle
Irrigating
Miners'
Moulders'
Rice

SPADES,
Drain
Iowa Pattern
Regular Pattern
Post or Ditching

THERMOMETERS

TOOL HANDLES,
Alfalfa Fork
Hay Fork
Garden
Header Fork
Heavy Fork
"D" Shovel
"D" Spade
Long Shovel
Manure Fork
Post Spade

TREE PRUNERS

WEED CUTTERS

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E. C. SIMMONS
**KEEN
KUTTER**
CUTLERY
AND
TOOLS

*Whatever the job may be on the farm, in the garden or on the lawn, there is a **KEEN KUTTER** tool that will do the work—easier and better!*

KEEN KUTTER STEEL GOODS

The Best Money Can Buy!

Discriminating users in all parts of the country choose these tools because they are the best that it is possible to manufacture. *KEEN KUTTER* tools will save time and effort and do better work. They will save you money, too, for in the long run it always pays to buy the best.

KEEN KUTTER

SUPER FINE QUALITY

Improved steel of the exact analysis most suitable to be worked into the finest quality, is used for these tools. Every piece is made from this selected material by skilled craftsmen under careful inspection. Simmons' large sale of *KEEN KUTTER* steel goods is ample evidence that users everywhere appreciate the superfine quality built into every piece.

KEEN KUTTER GUARANTEE

You can depend upon the *KEEN KUTTER* trade mark. It is more than a brand name, it is a degree of quality. Simmons guarantees that every article which bears it is made of the best materials, by the most modern methods and proved superior in actual service.

PERFECT FIT HANDLES

Extra select second growth straight ash handle, finely polished and covered with a transparent waterproof solution, which produces a permanent white color that will not rub off. This smooth, hard, lasting finish lengthens the life of the handle. Perfectly fitted handles give a pleasing finished appearance to the tools. No finer finish is possible. No rough edges where handle enters the socket.

There's a proper *KEEN KUTTER* tool for every use, carefully designed and constructed for its purpose. For best results select the right tool for the job to be done!

THE FINEST TEMPER

Tempering is perhaps the most important of all the operations necessary to turn out *KEEN KUTTER* guaranteed tools and here is skill and precision at its best.

All tines, blades and prongs of *KEEN KUTTER* steel goods have the finest temper that can be produced.

IMPROVED FERRULES

The new tubular steel ferrule used on *KEEN KUTTER* steel goods increases the strength 25%, fits the handle like a glove and protects the wood. It surpasses others in durability and appearance, is practically unbreakable, has no rough edges to injure your hands, has no rivets to work loose. Ferrules are black enameled, caps are gold bronzed.

KEEN KUTTER FORKS

America's Finest

KEEN KUTTER forks are 25% stronger than ordinary forks and more resistant to wear. Yet they are lighter weight and perfectly balanced for easier handling. A special design for every use, constructed for its purpose. And the cost is so little more than the ordinary type that it pays in the long run to buy the best.

KEEN KUTTER IS EXTRA FINE QUALITY

Improved steel, of the exact analysis most suitable to be worked into the finest quality, is used for each of these forks. Every one is made from selected material by skilled craftsmen under careful inspection. Discriminating users in all parts of the country choose KEEN KUTTER forks because they know that it pays to buy quality tools. Quality, appearance and balance, built into every piece makes these forks prime favorites everywhere.

KEEN KUTTER GUARANTEE

You can trust the KEEN KUTTER trade mark. It is more than a brand name. It is a degree of quality. It is the "diploma" awarded by skilled inspectors who guarantee that every article which bears it is made of the very best materials by the most modern methods and proved superior in actual service. The KEEN KUTTER trade mark is stamped on the socket.

HAY FORKS

The design, balance and feel of these KEEN KUTTER forks make them a favorite with the farmer.



Three-Tine. Straight Handle.
Tines 12 inches long. Spread 7¼ inches.

Nos.	Each	Weight	
		Length Handle, Feet	Per Dozen, Lbs.
AB K304½	\$1.59	4½	33
AB K305	1.69	5	35
AB K305½	1.89	5½	37

Repair handle Nos. AB KHB, AB SHB series.



Three-Tine. Bent Handle.
Tines 12½ inches long. Spread 7¼ inches.

Nos.	Each	Weight	
		Length Handle, Feet	Per Dozen, Lbs.
AB KB304	\$1.49	4	31
AB KB304½	1.59	4½	33
AB KB305	1.69	5	35
AB KB305½	1.89	5½	37

Repair handle Nos. AB KHBS, AB SHB, AB HBK,
AB PHB series.

Boys' Size—Regular Strap Ferrule.

Tines 10½ inches long. Spread 6½ inches.

No.	Each	Weight	
		Length Handle, Feet	Per Dozen, Lbs.
AB KYB304	\$1.49	4	27

Repair handle Nos. AB KYBS4 series.

One dozen or one-half dozen in a bundle. Tines wrapped in paper. Each handle in separate envelope.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

Speeds Up and Lightens Hand Labor!

Tines—Highest grade forged steel, oil tempered and carefully tested. Here you find skill and precision at its best.

Handles—Only extra select second growth straight grained ash is used for these quality handles. They are finely polished and covered with a transparent weather-proof solution, producing a permanent white color that won't rub off—a smooth, hard, lasting finish that protects the life of the handle.

Ferrules—Extra strong new type black enameled steel tubular ferrules 10 inches long (except AB KYB304).

Caps—and top of tines—steel tough enough to take the hardest knocks. Gold bronzed finish.

Choose the forks that will fit your particular requirements. The right fork will conserve your time and energy and save you money.

HEADER FORKS

For loading or unloading, feeding separator and stacking headed grain and straw.



KANSAS PATTERN—DEEP DISH Four-Tine. Bent Handle.

Round shoulder. Riveted shank.
Tines 15 inches long. Spread 11 inches.

Nos.	Each	Weight	
		Length Handle, Feet	Per Dozen, Lbs.
AB KH404	\$2.15	4	37
AB KH404½	2.19	4½	40

Repair handle Nos. AB KHFS, AB SHE, AB HFK,
AB PHE series.



MINNESOTA PATTERN—REGULAR DISH Four-tine. Bent Handle.

Round shoulder. Riveted shank.
Tines 15 inches long. Spread 11 inches.

Nos.	Each	Weight	
		Length Handle, Feet	Per Dozen, Lbs.
AB KM404	\$2.15	4	40
AB KM404½	2.19	4½	42
AB KM405	2.25	5	44

Repair handle Nos. AB KHFS, AB SHE, AB HFK,
AB PHE series.

One dozen or one-half dozen in a bundle. Tines wrapped in paper. Each handle in separate envelope.

KEEN KUTTER FORKS

Extra First Quality

Highest grade forged steel tines, oil tempered and carefully tested. Extra select second growth straight grained ash handles, with KEEN KUTTER brand burnt in the wood, finely polished, lacquered and attractively labeled. Extra strong, new type, black enameled steel tubular ferrules 10 inches long (except where stated otherwise). Gold bronzed cap and top of tines.

GRAIN FORKS

The correct pitch, spacing, and length of tines in this KEEN KUTTER fork makes handling of hay and grain easier.



DAKOTA PATTERN—REGULAR DISH

Four Extra Long Tines. Bent Handle.

Square shoulder. Riveted shank.

Tines 16 inches long. Spread 12¼ inches.

Nos.	Each	Length Handle, Feet	Weight	
			Per Dozen,	Lbs.
AB KD404	\$2.29	4	46	
AB KD404½	2.35	4½	48	

Repair handle Nos. AB KHFS, AB SHE, AB HFK, AY PGH series.

ALFALFA FORKS



DEEP DISH

Four-Tine. Extra Heavy Bent Handle.

Round shoulder. Riveted shank.

Tines 13 inches long. Spread 9¾ inches.

No.	Each	Length Handle, Feet	Weight	
			Per Dozen,	Lbs.
AB KA404½	\$1.95	4½	36	

Repair handle Nos. AB KHFS, AB SHE, AB HFK, AB PHE series.

BALING PRESS FORKS



Four Slightly Curved Tines. Straight Handle.

• Handy for throwing hay into press and for faster handling of the hay crop. Regular steel ferrule.

Tines 7 inches long. Spread 8½ inches.

No.	Each	Length Handle, Feet	Weight	
			Per Dozen,	Lbs.
AB KHB44½	\$1.49	4½	36	

Repair handle No. AB SHK series.

One dozen or one-half dozen in a bundle. Tines wrapped in paper. Each handle in separate envelope.

SPADING FORKS

KEEN KUTTER spading forks are built to stand hard usage. Well designed and easily handled. Enters soil easily, releases freely.

Flat diamond back tines, polished face, natural finish on back.



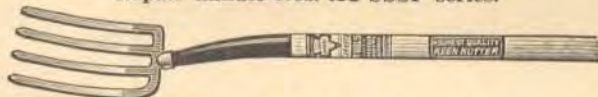
Four-Tine. Bent Handle.

Pressed Steel "D" Handle With Wood Grip.

Tines 11 inches long. Spread 8¼ inches.

No.	Each	Length Handle, Inches	Weight	
			Per Dozen,	Lbs.
AB KSD40	\$1.89	30	58	

Repair handle Nos. AY SSSF series.



Four-Tine. Bent Long Handle.

Tines 11 inches long. Spread 8¼ inches.

No.	Each	Length Handle, Feet	Weight	
			Per Dozen,	Lbs.
AB KS40	\$1.79	4	66	

ENGLISH DIGGING FORKS

Square tines are sharp, very slender and enter the ground easily.



SOCKET PATTERN

Four-Tine.

I-D-L Pressed Steel "D" Handle With Wood Grip.

One-piece solid steel head, shank and socket.

Tines 11½ inches long. Spread 8 inches.

No.	Each	Length Handle, Inches	Weight	
			Per Dozen,	Lbs.
AB KED4D	\$2.79	28	56	



Four-Tine.

I-D-L Pressed Steel "D" Handle With Wood Grip.

One-Piece Solid Steel Head, Tubular Steel

Ferrule and Cap.

Tines 11½ inches long. Spread 8 inches.

No.	Each	Length Handle, Inches	Weight	
			Per Dozen,	Lbs.
AB KEDS4D	\$2.25	28	56	

Repair handle No. AY SSSF series.

One-half dozen in a bundle. Handles wrapped in paper.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER FORKS

Extra First Quality

Highest grade forged steel tines, oil tempered and carefully tested. Extra select second growth straight grained ash handles, with KEEN KUTTER brand burnt in the wood, finely polished, lacquered and attractively labeled. Extra strong, new type, black enameled steel tubular ferrules 10 inches long. Gold bronzed cap and top of tines.

MANURE FORKS

These forks are properly and perfectly balanced to permit the greatest ease in handling and assure long useful service.



ACME PATTERN
Four-Tine—Bent Long Handle.

Tines 12 inches long. Spread extreme width 9 inches.

No.	Each	Length Handle, Feet	Weight Per Dozen, Lbs.
AB KAM404½	\$2.10	4½	41

Repair handle Nos. AB KMBS, AB KHFS, AB SM, AB MBK, AB PM series.



Four-Tine—Bent Long Handle.
Tines 12½ inches long. Spread 9 inches.

No.	Each	Length Handle, Feet	Weight Per Dozen, Lbs.
AB K404	\$1.79	4	39
AB K404½	1.89	4½	41

Repair handle Nos. AB KMBS, AB SM, AB MBK, AB PM series.



CHAMPION PATTERN
Four-Tine—Bent Long Handle.
Tines 13 inches long. Spread 9 inches.

No.	Each	Length Handle, Feet	Weight Per Dozen, Lbs.
AB KCM404½	\$1.89	4½	41

Repair handle Nos. AB KMBS, AB KHFS, AB SM, AB MBK series.

One dozen or one-half dozen in a bundle. Tines wrapped in paper. Each handle in separate envelope.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

MANURE FORKS



Five-Tine—Bent Long Handle.

Tines 12 inches long. Spread 9¼ inches.

Nos.	Each	Length Handle, Feet	Weight Per Dozen, Lbs.
AB K504	\$1.95	4	41
AB K504½	2.10	4½	43

Repair handle Nos. AB KMBS, AB SM, AB MBK, AB PM series.



Six-Tine—Bent Long Handle.

Tines 12½ inches long. Spread 9¼ inches.

Nos.	Each	Length Handle, Feet	Weight Per Dozen, Lbs.
AB K604	\$2.19	4	44
AB K604½	2.25	4½	46

Repair handle Nos. AB KMBS, AB SM, AB MBK, AB PM series.

One dozen or one-half dozen in a bundle. Tines wrapped in paper. Each handle in separate envelope.

MILL OR MANURE FORKS



Polished heavy diamond tines, 14 inches long with 2¼-inch space between tines. Spread 14 inches. Handle with I-D-L pressed steel D with large comfortable wood grip.

No.	Each	Length Handle, Inches	Weight Per Dozen, Lbs.
AB K151	\$2.89	30	48

Repair handle No. AB KCF series.

One dozen or one-half dozen in a bundle. Tines and handles wrapped in paper.

KEEN KUTTER FORKS

Extra First Quality

Highest grade forged steel tines, oil tempered and carefully tested. Extra select second growth straight grained ash handles, with **KEEN KUTTER** brand burnt in the wood. Finely polished, lacquered and attractively labeled. Extra strong, new type, black enameled steel tubular ferrules 10 inches long. Gold bronzed cap and top of tines.

Select the proper fork to meet your requirements in handling bulk produce whether on the farm, in a warehouse or factory. Their capacity is large and they will withstand hard usage.

SUGAR BEET SCOOP FORKS



SPECIAL DEEP SCOOP SHAPED DISH

Designed to carry an ample load—especially fine for loading beets, turnips, potatoes and other vegetables into truck or cars. The ball tipped tines prevent gouging.

Natural finish ball tipped oval tines. Handle has I-D-L pressed steel D with wood grip. Seven tines 16½ inches long, 14½-inch spread. Space between tines 2 inches.

Nos.	Each	Weight	
		Length Per Handle, Dozen, Inches	Lbs.
AB KBF7	\$2.89	32	75
AB KBF730	2.89	30	74

Repair handle Nos. AB KCF, AY SCF, AB CKF series.

VEGETABLE SCOOP FORKS



DEEP SCOOP SHAPE

Pinch point tines with blunt ends prevent injury to commodity being handled. Shaped and balanced like a scoop shovel, just right for quick, efficient hand loading.

Natural finish broad oval tines with 1¼-inch space between. Handle 30 inches long with I-D-L pressed steel D, and comfortable wood grip.

Nos.	Each	Length			Wt. per Doz., Lbs.
		No. Tines	In.	Spread, In.	
AB KV10	\$3.29	10	15½	14	90
AB KV12	3.98	12	16	17½	100

Repair handle No. AY SVD series.

One-half dozen in a bundle.
Handles wrapped in paper.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

COTTON SEED FORKS



DEEP SCOOP SHAPE

The long, closely shaped tines and scoop-shaped head make this a fine general purpose fork.

Natural finish diamond tines 17 inches long with flattened blunt points. Space between tines 1¼ inches. Handle 30 inches long, with I-D-L pressed steel D, and comfortable wood grip.

Nos.	Each	No. Spread, Dozen,		Wt. per Dozen, Lbs.
		Tines	In.	
AB K410	\$3.29	10	14	95
AB K412	3.98	12	17	105

Repair handle Nos. AB KCF, AY SCF, AB CFK series.

ENSILAGE OR BARN FORKS



The best fork for quick and easy handling of ensilage, kaffir corn and for general barn use. Long slender smooth tines properly dished and spaced. With the turned up outside tines these forks will carry a good big load.

Half-polished oval tines 16 inches long. Handle 30 inches long with I-D-L pressed steel D, with comfortable wood grip.

Nos.	Each	No. Spread, Dozen,		Space Wt. Btwn. per Doz., Lbs.	
		Tines	In.	Tines, In.	Lbs.
AB KB6	\$2.89	6	12	2	66
AB KB8	2.98	8	13	1½	70
AB KB10	3.49	10	15	1½	74

Repair handle Nos. AB KCF, AY SCF, AB CFK series.

STONE FORKS



STONE OR BALLAST

Natural finish square tines. Handle with I-D-L pressed steel D, and comfortable wood grip. 8 tines, 13½ inches long, spread 10½ inches, space between tines 1½ inches.

No.	Each	Weight	
		Length Per Handle, Dozen, Inches	Lbs.
AB KS8	\$2.89	30	90

Repair handle Nos. AB KCF, AY SCF, AB CFK series.

One-half dozen in a bundle.
Handles wrapped in paper.

KEEN KUTTER FORKS AND HOOKS

Extra First Quality

Highest grade forged steel tines, oil tempered and carefully tested. Extra select second growth straight grained ash handles, with **KEEN KUTTER** brand burnt in the wood. Finely polished, lacquered and attractively labeled. Extra strong, new type, black enameled steel tubular ferrules 10 inches long. Gold bronzed cap and top of tines.

COAL SCOOP FORKS



Scoop-shaped head and small space between tines make it possible to handle and screen the finer grades of soft and hard coal without spilling.

Natural finish round tines. Bent handle with I-D-L pressed steel D, and comfortable wood grip. Extra heavy ferrule.

Has 14 tines 17 inches long. Spread 18 inches, with 1-inch space between tines.

No.	Each	Length Handle, Inches	Weight Dozen, Lbs.
AB KSF14½	\$4.69	30	120

Repair handle Nos. AB KCF, AY SCF, AB CFK series.

COAL FORKS



Preferred to a shovel in many cases for handling coal or coke. Design and balance make it easy to handle.

Natural finish diamond tines with flattened blunt points. Bent handle with I-D-L pressed steel D, and comfortable wood grip.

Has 12 tines 16 inches long. Spread 13 inches, ¾-inch space between tines.

No.	Each	Length Handle, Inches	Weight Dozen, Lbs.
AB KC102	\$4.25	30	96

Repair handle Nos. AB KCF, AY SCF, AB CFK series.

COKE FORKS



Natural finish diamond tines, with flattened blunt points. Handles 30 inches long, with I-D-L pressed steel D, and comfortable wood grip. Extra heavy ferrule.

Nos.	AB KC10	AB KC12	AB KC14
No. Tines	10	12	14
Length Tines, In.	17	16	17
Spread, In.	15	16	18
Space between Tines, In.	1¼	1	1
Weight Dozen, Lbs.	90	100	110
Each	\$3.59	4.25	4.69

Repair handle Nos. AB KCF, AY SCF, AB CFK series.

One-half dozen in a bundle.
Handles wrapped in paper.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

STONE HOOKS



SHANK PATTERN

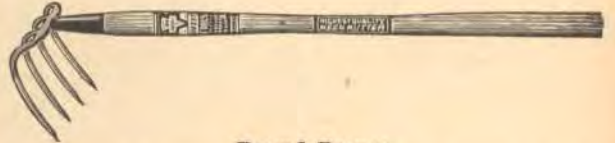
For Highway and Road Work

Ruggedly constructed to withstand the rough usage to which a tool of this kind is usually subjected.

Forged steel tempered prongs, light angular back tines, tumbled finish. Black enameled steel ferrule, riveted. Head bronzed. Extra select ash handle, polished, lacquered and labeled. Four prongs 9¼ inches long, 7¼ inches spread.

No.	Each	Length Handle, Inches	Weight Dozen, Lbs.
AB KLSH4	\$2.09	60	42

POTATO HOOKS



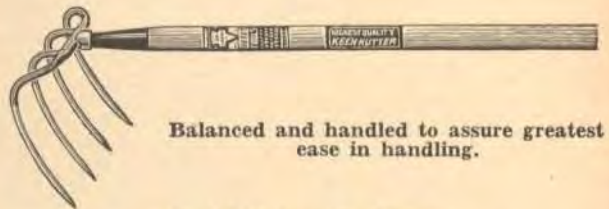
Round Prongs

High grade forged steel tumbled finish prongs, oil tempered and carefully tested. Bent head. Black lacquered steel plain ferrule, riveted. Extra select ash handle, polished, lacquered and labeled. Four prongs 7 inches long, spread 6 inches.

No.	Each	Length Handle, Feet	Weight Dozen, Lbs.
AB K4R	\$1.35	4½	30

Repair handle Nos. AB KGH, AB SGH, AB GHK, AYPGH series.

MANURE HOOKS



Balanced and handled to assure greatest ease in handling.

Bent Head — Four Prongs

High grade forged steel with tumbled finish prongs, oil tempered and carefully tested. Extra select polished, lacquered and labeled straight ash handle. Black lacquered steel plain ferrule; shank riveted. Gold bronzed cap.

Prongs are 8¼ inches long, spread 9¼ inches.

No.	Each	Length Handle, Feet	Weight Dozen, Lbs.
AB KM40	\$1.49	5	45

Repair handles Nos. AB SHB5, AB 5SHK series.

One-half dozen in a bundle.
Handle in a separate envelope.

SIMMONS FORKS

ECONOMICAL! DEPENDABLE!

Strictly first class merchandise that will stand up under hard, constant use. Well shaped and properly balanced.

TINES

High quality forged steel, carefully tempered and tested.

HANDLES

Select ash, finely polished and covered with a transparent waterproof solution, which produces a permanent white color that will not rub off—a smooth, hard, lasting finish that lengthens the life of the handle.

CAPS

And tops of tines, gold bronzed to harmonize with handles and ferrules.

FERRULES

Tubular steel ferrules used on these forks increase their strength many times and make them practically unbreakable. They fit smoothly and protect the wood. No rough edges to injure the hands. No rivets to work loose. Length of ferrule 8 inches. Attractively red enameled.

HAY FORKS

These are farm favorites for sturdiness and long service. Make the job of handling hay and grain much easier!



CHAMPION PATTERN
Four-Tine — Bent Handle

Tines 12 inches long. Spread 7½ inches.

Nos.	Each	Length Weight	
		Handle, Dozen, Feet	Lbs.
AB SCB404½	\$1.45	4½	35
AB SCB405	1.49	5	36

Repair handle Nos. AB SHB, AB KHBS, AB HBK, AB PHB series.



Three-Tine — Straight Handle

Tines 12 inches long. Spread 7¼ inches.

Nos.	Each	Length Weight	
		Handle, Dozen, Feet	Lbs.
AB S304½	\$1.29	4½	33
AB S305	1.39	5	35
AB S305½	1.45	5½	37

Repair handle Nos. AB SHK, AB KHBS, AB HBK, AB PHB series.



Three-Tine — Bent Handle

Tines 12½ inches long. Spread 7¼ inches.

Nos.	Each	Length Weight	
		Handle, Dozen, Feet	Lbs.
AB SB304	\$1.19	4	31
AB SB304½	1.25	4½	33
AB SB305	1.29	5	35

Repair handle Nos. AB SHB, AB KHBS, AB HBK, AB PHB series.

One-half dozen in a bundle. Tines and handles wrapped in paper.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

HEADER FORKS

For loading or unloading, feeding separator and stacking headed grain and straw.



KANSAS PATTERN — DEEP DISH RIVETED SHANK

Four-Tine — Bent Handle

Round shoulder.

Tines 15 inches long. Spread 11 inches.

Nos.	Each	Length Weight	
		Handle, Dozen, Feet	Lbs.
AB SH404	\$1.69	4	40
AB SH404½	1.75	4½	40

Repair handle Nos. AB SHE, AB KHFS, AB HFK, AB PHE series.



MINNESOTA PATTERN — REGULAR DISH

Four-Tine — Bent Handle

Round shoulder.

Tines 15 inches long. Spread 11 inches.

Nos.	Each	Length Weight	
		Handle, Dozen, Feet	Lbs.
AB SM404	\$1.65	4	40
AB SM404½	1.75	4½	42
AB SM405	1.79	5	44

RIVETED SHANK

AB SM404½R	1.79	4½	42
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Repair handle Nos. AB SHE, AB KHFS, AB HFK, AB PHE series.

GRAIN FORKS

The correct pitch, spacing and length of tines in this SIMMONS fork makes handling of hay and grain easier.



DAKOTA PATTERN — REGULAR DISH

Four Extra Long Tines — Bent Handle

Plain Shank

SQUARE SHOULDER

Tines 16 inches long. Spread 12¼ inches.

Nos.	Each	Length Weight	
		Handle, Dozen, Feet	Lbs.
AB SD404	\$1.98	4	46
AB SD404½	2.10	4½	48

Repair handle Nos. AB SHE, AB KHFS, AB HFK, AB PHE series.

One-half dozen in a bundle.

Tines and handles wrapped in paper.

SIMMONS FORKS

ECONOMICAL! DEPENDABLE!

High quality forged steel tines, tempered and tested. Selected ash handles, polished, lacquered and attractively labeled. Red enameled tubular steel ferrules 8 inches long. Gold bronzed caps and tops of tines.

ALFALFA FORKS



DEEP DISH PLAIN SHANK

Four-Tine — Extra Heavy Bent Handle
Round shoulder.

Tines 13 inches long. Spread 9 3/8 inches.

Nos.	Each	Length Handle Feet	Weight Dozen, Lbs.
AB SA404	\$1.45	4	34
AB SA404 1/2	1.49	4 1/2	36

Repair handle Nos. AB SAB, AB KAFS series.

BARLEY FORKS

When a large capacity fork is needed these will fill the bill. They have long slender tines with a wire rack or ball to prevent spilling and to increase the material load.



REGULAR DISH Four-Tine — Bent Handle

Square shoulder.

Tines 18 inches long. Spread 14 inches.

Nos.	Each	Length Handle Feet	Weight Dozen, Lbs.
AB SX404 1/2	\$1.98	4 1/2	54
AB SX405	2.19	5	56
AB SX505	2.39	5	58

Repair handle Nos. AB SHE, AB KHFS, AB HFK,
AB PHE series.



REGULAR DISH

Five Tine. Malleable Iron "D" Handle with Wood Grip.
Square shoulder.

Tines 18 inches long. Spread 14 1/2 inches.

No.	Each	Length Handle Inches	Weight Dozen, Lbs.
AB SXD50	\$2.39	33 1/2	60

Repair handle Nos. AY SCF, AB KCF,
AB CFK series.

One dozen or one-half dozen in a bundle.

Tines and handles wrapped in paper.

SPADING FORKS

Spading in the garden or around the farm will be easier with this specially designed fork. It is a rugged tool built to stand tough digging.



Four Tines—Bent Handle with Pressed Steel "D" and
Comfortable Wood Grip

Flat diamond back tines, polished face, natural finish back.

Tines 11 inches long, spread 8 1/4 inches.

No.	Each	Length Handle, Inches	Weight Dozen, Lbs.
AB SSD40	\$1.49	30	58

Repair handle Nos. AB SMSF, AB SSSF series.

One dozen or one-half dozen in a bundle.

Tines and handles wrapped in paper.

POTATO HOOKS

These practical hooks ease the burden of potato digging and give you fewer bruised and cut potatoes.

Forged steel tumbled finish prongs, tempered and tested.

Bent head, gold bronzed. Red enameled steel plain ferrule. Riveted shank. Handle 4 1/2 feet long.



Four Broad Oval Prongs — 7 1/2 Inches Long

LIGHT PATTERN

Nos.	Each	No. Prongs	Spread, In.	Weight Dozen, Lbs.
AB S40L	\$1.29	4	7 1/4	27
AB S50L	1.49	5	7 1/2	30

HEAVY PATTERN

AB S40H	\$1.49		7 1/4	40
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Repair handle No. AB SS series.



Round Prongs — 7 Inches Long

Nos.	Each	No. Prongs	Spread, In.	Weight Dozen, Lbs.
AB S4R	\$1.29	4	6	26
AB S5R	1.49	5	6 1/4	27

Repair handle Nos. AB SGH, AB KGH, AB GHK,
AY PGH series.

One dozen or one-half dozen in a bundle.

Prongs and handles wrapped in paper.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SIMMONS FORKS

ECONOMICAL! DEPENDABLE!

High quality forged steel tines, tempered and tested. Selected ash handles, polished, lacquered and attractively labeled. Red enameled tubular steel ferrules 8 inches long. Gold bronzed caps and tops of tines.

MANURE FORKS

The values offered in these forks make them outstanding bargains for the person wanting a fork that's just a little above average. Design of tines and handles is correct for great leverage and heavy lifting.



ACME PATTERN
Four-Tine. Bent Handle
Tines 13 inches long. Spread 9 inches.

No.	Each	Length Handle, Feet	Weight Per Dozen, Lbs.
AB SAM404½	\$1.89	4½	41

Repair handle Nos. AB SM4½, AB KMBS4½, AB MBK4½, AB PM4½ series.

CHAMPION PATTERN



Four-Tine. Bent Long Handle
Tines 13 inches long. Spread 9 inches.

No.	Each	Length Handle, Feet	Weight Per Dozen, Lbs.
AB SCM404½	\$1.49	4½	41

Repair handle Nos. AB SM, AB KMBS, AB MBK, AB PM series.



Four-Tine. Bent Long Handle
Tines 12½ inches long. Spread 9 inches.

No.	Each	Length Handle, Feet	Weight Per Dozen, Lbs.
AB S404	\$1.39	4	39
AB S404½	1.49	4½	41

Repair handle Nos. AB SM, AB KMBS, AB MBK, AB PM series.

One dozen or one-half dozen in a bundle.
Tines and handles wrapped in paper.



Five-Tine. Bent Long Handle
Tines 12½ inches long. Spread 9¼ inches.

Nos.	Each	Length Handle, Feet	Weight Per Dozen, Lbs.
AB S504	\$1.49	4	41
AB S504½	1.59	4½	43

Repair handle Nos. AB SM, AB KMBS, AB MBK, AB PM series.



Six-Tine. Bent Long Handle
Tines 12½ inches long. Spread 9¼ inches.

Nos.	Each	Length Handle, Feet	Weight Per Dozen, Lbs.
AB S604	\$1.69	4	44
AB S604½	1.79	4½	46

Repair handle Nos. AB SM, AB KMBS, AB MBK, AB PM series.



Bent Handle, 32 Inches Long
Pressed Steel D — Comfortable Wood Grip

Nos.	Each	Length			Wt. per Doz., Lbs.
		No. Tines	Spread, In.	Handle, In.	
AB SD40	\$1.39	4	13	10	38
AB SD50	1.49	5	13	10	42
AB SD60	1.79	6	13	10	44

Repair handle No. AB SMSD series.

One-half dozen in a bundle.
Tines and handles wrapped in paper.

Skilled Carpenters Know and Prefer *KEEN KUTTER* Saws

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KLICKEr FORKS

Good Quality Serviceable Tools

Don't let the low price mislead you. These forks are much stronger and more dependable than you usually find in this price range.

Forged steel tempered tines. Good grade ash handles, smoothly finished and covered with a transparent waterproof solution, which produces a permanent white color that will not rub off—a smooth, hard, lasting finish that lengthens the life of the handle. Silver bronzed tubular steel ferrules, 8 inches long, caps and top of tines.

HAY FORKS

Popular with farmers for dependable service and economy. Makes job of handling hay and grain easy.



Three-Tine — Straight Handle

Tines 12 inches long. Spread 7¼ inches.

No.	Each	Length per Handle, Feet	Weight per Dozen, Lbs.
AB 305K	\$1.09	5	36

Repair handle No. AB 5SHK series.



Three-Tine — Bent Handle

Tines 12½ inches long. Spread 7¼ inches.

Nos.	Each	Length per Handle, Feet	Weight per Dozen, Lbs.
AB 304BK	\$0.98	4	32
AB 304½BK	1.09	4½	34
AB 305BK	1.19	5	36

Repair handle Nos. AB HBK, AB PHB, AB SHB, AB KHBS series.



CHAMPION PATTERN

Four-Tine — Bent Handle

Tines 12 inches long. Spread 7½ inches.

No.	Each	Length per Handle, Feet	Weight per Dozen, Lbs.
AB 405CBK	\$1.29	5	36

Repair handle Nos. AB 5HBK, AB PHB, AB SHB, AB KHBS series.

One dozen in a bundle.

HEADER FORKS

For loading or unloading, feeding separator and stacking header grain and straw.



KANSAS PATTERN
DEEP DISH

Four-Tine — Bent Handle
Round Shoulder

Tines 15 inches long. Spread 11 inches.

Nos.	Each	Length per Handle, Feet	Weight per Dozen, Lbs.
AB 404HK	\$1.39	4	40
AB 404½HK	1.45	4½	42

Repair handle Nos. AB HFK, AB PHE, AB SHE, AB KHFS series.



MINNESOTA PATTERN
REGULAR DISH

Four-Tine — Bent Handle
Round Shoulder

Tines 15 inches long. Spread 11 inches. Riveted shank

Nos.	Each	Length per Handle, Feet	Weight per Dozen, Lbs.
AB 404MK	\$1.39	4	40
AB 404½MK	1.45	4½	42
AB 405MK	1.49	5	44

Repair handle Nos. AB HFK, AB PHE, AB SHE, AB KHFS series.

One-half dozen in a bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KLICKEr FORKS

Good Quality Serviceable Tools

Forged steel tempered tines. Good grade ash handles, smoothly finished and covered with a transparent water-proof solution, which produces a permanent white color that will not rub off—a smooth, hard, lasting finish that lengthens the life of the handle. Silvered bronzed tubular steel ferrules, 8 inches long, caps and top of tines.

MANURE FORKS

Compare these forks with some higher priced forks and see what values they are.



Four-Tine. Bent Long Handle
Tines 12½ inches long. Spread 9 inches.

Nos.	Each	Length Handle, Ft.	Wt. Per Doz., Lbs.
AB 404K	\$1.19	4	37
AB 404½K	1.25	4½	40

Repair handle Nos. AB MBK, AB PM, AB SM series.



Six-Tine. Bent Long Handle
Tines 12½ inches long. Spread 9¼ inches.

Nos.	Each	Length Handle, Ft.	Wt. Per Doz., Lbs.
AB 604K	\$1.45	4	46
AB 604½K	1.49	4½	48

Repair handle Nos. AB MBK, AB PM, AB SM, AB KMBS series.



Five-Tine. Bent Long Handle.
Tines 12 inches long. Spread 9¼ inches

Nos.	Each	Length Handle, Ft.	Wt. Per Doz., Lbs.
AB 504K	\$1.29	4	42
AB 504½K	1.39	4½	44

Repair handle Nos. AB MK, AB MBK, AB PM, AB SM series.

One-half dozen in a bundle.



Pressed Steel D Bent Handle 32 Inches Long With Comfortable Wood Grip

Nos.	Each	No. Tines	Length Tines, In.	Spread, In.	Wt. Per Doz., Lbs.
AB 50DK	\$1.29	5	12½	9¼	42
AB 60DK	1.49	6	12½	9¼	46

Repair handle No. AB SMSD series.

One-half dozen in a bundle.

SPADING FORKS

Designed to stand all-around abuse. Will give better service than an ordinary fork in this price range. Affords great leverage.

Angular back tines, 11 inches long, with polished face and tumbled back finish. Spread 8¼ inches.



Four-Tine

Pressed Steel "D" Bent Handle 30 Inches Long With Comfortable Wood Grip

No.	Each	Tines	Wt. per Dozen, Lbs.
AB 40SDK	\$1.19	Heavy	56
AB 40LSDK	1.09	Light	43

Repair handle Nos. AY 1SFK, AB SSS series.

One-half dozen in a bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

FAIRMOUNT FORKS

Makes Handling Bulk Products Easy!

Use these scoop-type forks for quick, easy handling of bulk products in farming, warehousing or manufacturing. Every one designed to save you time and effort in handling products.

Capacities are large. Forks guaranteed good quality to withstand rough usage.

BARN OR ENSILAGE FORKS



Just right for general barn use for handling ensilage and similar products.

Half polished oval tines 16 inches long with 1½-inch space between tines. Outside tines turned up to prevent spilling. Handle 30 inches long.

Nos.	Each	No. Tines	Spread, In.	Wt. per Dozen, Lbs.
AB FB8	\$2.79	8	13	70
AB FB10	3.29	10	15	74

Repair handle Nos. AB KCF, AY SCF, AB CFK series.

COTTONSEED FORKS



DEEP SCOOP SHAPE

Flattened blunt points and diamond shaped, closely spaced tines make this just the fork for handling cottonseed, and other hard-to-manage bulk products.

Natural finish diamond tines 17 inches long, with flattened blunt points. 1¼-inch space between tines. Handle 30 inches long.

Nos.	Each	No. Tines	Spread, In.	Wt. per Dozen, Lbs.
AB F410	\$2.95	10	14	95
AB F412	3.69	12	17	105

Repair handle Nos. AB KCF, AY SCF, AB CFK series.

KAFFIR KORN FORKS



One-half dozen in a bundle. Handles wrapped in paper.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

Forged steel tines properly tempered and tested for long service. Handles selected ash, smooth belted and labeled. I-D-L pressed steel D and wood grip give added strength and durability. Black enameled steel strap ferrules.

SUGAR BEET SCOOP FORKS



SPECIAL DEEP SCOOP SHAPE DISH

The ball tipped oval tines prevent gouging of beets. Also handy for loading turnips or potatoes.

Natural finish tines 16½ inches long with 2-inch space between tines.

Nos.	Each	Length Handle, In.	No. Tines	Spread, In.	Wt. per Dozen, Lbs.
AB FBF7	\$2.69	32	7	15	75
AB FBF730	2.69	30	7	15	74

Repair handle Nos. AB KCF, AY SCF, AB CFK series.

VEGETABLE SCOOP FORKS



DEEP SCOOP SHAPE

Save time, effort and money! Use this fork for handling vegetables. Flattened blunt points protect fruit, corn, cabbage and similar products from injury. Shaped and balanced like a scoop shovel for maximum load.

Natural finish broad oval tines, with 1¼-inch space between tines. Length handle 30 inches.

Nos.	Each	Length Handle, In.	No. Tines	Spread, In.	Wt. per Dozen, Lbs.
AB FV10	\$2.95	10	15½	14	90
AB FV12	3.69	12	16½	17½	100

Repair handle Nos. AB KCF, AY SCF, AB CFK series.

KAFFIR KORN OR MILO MAIZE

Convenient, easy-loading fork. Outside tines turned up for scooping and holding a large quantity of milo maize, kaffir korn, coarse ensilage and similar bulky products.

Black oval tines 17½ inches long with 1½-inch space between tines. Handle 30 inches long.

No.	Each	No. Tines	Spread, In.	Wt. per Dozen, Lbs.
AB F100	\$3.19	10	16½	80

Repair handle Nos. AB KCF, AY SCF, AB CFK series.

GARDEN CULTIVATORS

KEEN KUTTER

The handiest and most practical of all hand garden tools for cultivating flowers and vegetables.

High-grade square steel bent prongs, with forged blades at ends. Each prong held to frame by individual loop bolt and nut permitting removal of any prong desired. Selected straight ash handles, smooth, transparent waterproof finish. Metal parts painted gray and gold. Perfectly adjustable for all kinds of work.



Adjustable Five-Prong

Steel frame and handle socket. Head 8 inches long, 6 inches high. Extreme spread 8½ inches. Length handle 4½ feet.

AB KHC5—Weight per dozen 40 lbs.

Each \$1.35

Repair handle Nos. AB KGH, AB SGH, AB GHK, AYPGH series.



JUNIOR Adjustable Three-Prong

Prongs adjustable and designed for use in flowers, and small shrubbery, or for cultivating small vegetables and all low-growing plants where hand cultivator is preferred.

Malleable iron frame and handle socket. Height head 5½ inches. Length of teeth from head 6¼ inches. Extreme spread 5½ inches. Length handle 4 feet.

AB KHC3—Weight per dozen 19 lbs.....Each \$1.09

Repair handle Nos. AB KGH, AB SGH, AB GHK, AYPGH series.

One-half dozen in a bundle.

SIMMONS

Economical! Dependable!

These garden tools will give long, dependable service. Better quality yet cost less than ordinary garden cultivators.

Square steel bent prongs, with forged blades at ends. Each prong held to frame by individual loop bolt and nut—permitting removal of any prong desired. Selected straight ash handles, smooth, transparent, waterproof finish. Metal parts painted gray and gold. Perfectly adjustable for all kinds of work.



Adjustable Five-Prong

Steel frame and handle socket. Length head 8 inches; height 6 inches. Extreme spread 8½ inches. Length handle 4½ feet.

AB SHC5—Weight per dozen 40 lbs...Each \$1.09

Repair handle Nos. AB KGH, AB SGH, AB GHK, AYPGH series.



JUNIOR Adjustable Three-Prong

Use this handy little cultivator for flower beds, small shrubbery, for working with small vegetables and low-growing plants where hand cultivation is required.

Malleable iron frame and handle socket. Height head 5½ inches. Length of teeth from head 6¼ inches. Extreme spread 5½ inches. Length handle 4 feet.

AB SHC3—Weight per dozen 19 lbs.....Each \$0.98

Repair handle Nos. AB KGH, AB SGH, AB GHK, AYPGH series.

One-half dozen in a bundle.



SPEEDY Four-Teeth

Sharp pointed curved tines hung at just the right angle to penetrate soil easily and loosen it with a simple pulling motion. Especially fine for preparing ground for seeding and cultivation after planting.

High-grade forged steel head and teeth. Steel shank. Red finish. Black japanned steel ferrule riveted on. Extra select straight ash handle, 4½ feet long. Length teeth 4 inches. Spread (extreme width) 5 inches.

AB KSC4—Weight per dozen 22 lbs.....Each \$1.09

Repair handle Nos. AB KGH, AB SGH, AB GHK, AYPGH series.

One-half dozen in a bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER HOES

AMERICA'S FINEST!

KEEN KUTTER hoes are 25% stronger than ordinary hoes and more resistant to wear. Yet they are lighter weight with perfect balance for easier handling. A special design for every use, carefully constructed for its purpose. And the cost is so little more than the ordinary type hoe that it pays, in the long run, to buy the best.

KEEN KUTTER IS EXTRA FINE QUALITY

Improved steel, of the exact analysis most suitable to be worked into the finest quality, is used for each of these hoes. Every one is made from selected material by skilled craftsmen under careful inspection. Discriminating users in all parts of the country choose these hoes because they know that it pays to buy quality tools. Quality, appearance and balance built into every piece makes these hoes prime favorites everywhere.

KEEN KUTTER GUARANTEE

You can trust the KEEN KUTTER trade mark. It is more than a brand name. It is a degree of quality. It is the "diploma" awarded by skilled inspectors who guarantee that every article which bears it is made of the very best materials, by the most modern methods and proved superior in actual service.

Speeds up and lightens hand labor!

- **Blades**—highest grade forged steel, oil tempered and carefully tested. Here you find skill and precision at its best.
- **Handles.** Only extra select second growth straight grained ash is used for these quality handles. They are finely polished and covered with a transparent weather-proof solution, producing a permanent white color that won't rub off—a smooth, hard, lasting finish that protects the life of the handle.
- **Sockets and necks**—high-grade forged steel for longer, better service.
- **Shanks**—special high quality forged steel for durability.
- **Ferrules**—tough steel for extra strength.
- **Caps**—steel, tough enough to take the hardest knocks.

Choose the hoes that will fit your particular requirements. The right type will conserve your time and energy and save you money.

You Can't Go Wrong on KEEN KUTTER—the Highest Quality Hoes

GARDEN HOES

REGULAR FIELD AND GARDEN

Just the hoe for farm and garden service—the best for all around general use.



SOCKET PATTERN—REGULAR SIZE

Polished blade. Gold bronzed steel socket.

Nos.	Each	Width Cut, Inches	Depth Blade, Inches	Length Handle, Feet	Wt. Per Dozen, Lbs.
AB KG206	\$1.19	6	4 $\frac{3}{8}$	4 $\frac{1}{2}$	26
AB KG206 $\frac{1}{2}$	1.19	6 $\frac{1}{2}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$	27
AB KG207	1.25	7	4 $\frac{1}{2}$	4 $\frac{1}{2}$	28
AB KG207 $\frac{1}{2}$	1.29	7 $\frac{1}{2}$	4 $\frac{3}{4}$	4 $\frac{1}{2}$	29
AB KG20	1.29	Assorted 6 $\frac{1}{2}$ to 7 $\frac{1}{2}$		4 $\frac{3}{4}$	28

Repair handle No. AB KSGH series.



SOCKET PATTERN—LIGHT WEIGHT

Polished blade. Gold bronzed steel socket.

Nos.	Each	Width Cut, Inches	Depth Blade, Inches	Length Handle, Feet	Wt. Per Dozen, Lbs.
AB KLG6	\$1.00	6	4 $\frac{3}{8}$	4 $\frac{1}{2}$	26
AB KLG6 $\frac{1}{2}$	1.10	6 $\frac{1}{2}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$	27

Repair handle No. AB KSGH series.

One dozen or one-half dozen in a bundle. Heads wrapped in paper. Each handle in a separate envelope.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

GARDEN HOES



SHANK PATTERN

Nos.	Each	Width Cut, Inches	Depth Blade, Inches	Length Handle, Feet	Wt. Per Dozen, Lbs.
Ladies' Size					
AB KL105	\$0.98	5	4 $\frac{1}{4}$	4	18
Boys' Size					
AB KY106	1.09	6	4 $\frac{3}{8}$	4	22

Repair handle Nos. AB KGH, AB SGH, AB GHK, AY PGH series.

PLANTERS' HOES

Heavy type of hoe used generally in the cotton growing states. Just the tool for uneven, hard and stony ground.



REGULAR GOOSE NECK—SHANK PATTERN

Shank $\frac{5}{8}$ Inch Diameter

Polished blade. Black lacquered steel ferrule. Gold bronzed shank and cap. Width cut 8 inches, depth blade 6 inches.

No.	Each	Length Handle, Feet	Wt. Per Doz., Lbs.
AY KP108	\$1.00	5	43

Repair handle Nos. AY SRCH, AY PHK series.

One dozen or one-half dozen in a bundle. Heads wrapped in paper. Each handle in a separate envelope.

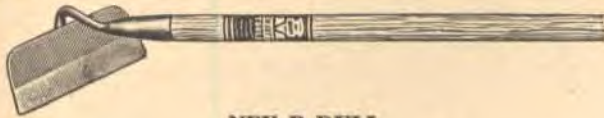
KEEN KUTTER HOES

AMERICA'S FINEST

Blades, highest grade forged steel, oil tempered and carefully tested. Handles, extra select second growth straight-grained ash finely polished, lacquered and attractively labeled. Sockets and necks highest grade forged steel, tough steel caps.

SOUTHERN MEADOW HOES

Light and strong with wide shallow blades which retain their sharp cutting edges. They serve well for use in blacklands, and for chopping cotton and general hoeing.



NEV-R-DULL

LONG SOCKET PATTERN

New and distinct. The cutting edge is ground in a specially designed grinder to an extremely thin edge leaving a series of ridges or ribs to add strength and stiffness to the thin metal. Will retain a sharp cutting edge for its life.

Blade and neck forged from one-piece high carbon steel, carefully oil tempered. One-third polished. Brilliant gold bronzed steel socket. Light spring gloss finish handle.

No.	Each	Width Cut, In.	Depth Blade, In.	Length Handle, Feet	Wt. Doz., Lbs.
AB KND088	\$1.49	8	13	4½	25

Repair handle No. KS GH series.



LONG SOCKET PATTERN

Full Polished Blade

These hoes have a long socket which gives them a modern streamlined appearance and keeps the handle out of the dirt and moisture. Improved hang and balance makes the work easier.

Blade and neck forged from one-piece special carbon steel, taper rolled, leaving a sturdy center with thin cutting edge. Gold bronzed steel socket. Socket and neck 10½ inches long. Durable gloss finish handle.

Nos.	Each	Width Cut, In.	Depth Blade, In.	Length Handle, Feet	Wt. Doz., Lbs.
AB KLS47	\$1.09	7	4	4½	31
AB KLS48	1.19	8	4	4½	32
AB KLS49	1.29	9	4	4½	33

Repair handle No. KS GH series.



TRINITY—SOCKET PATTERN

Shallow polished blade. Shank about 7/16-inch in diameter. Gold bronzed steel socket.

Nos.	Each	Width Cut, Inches	Depth Blade, Inches	Length Handle, Feet	Weight Dozen, Lbs.
AB KT207	\$1.00	7	4	5	32
AB KT208	1.10	8	4	5	32
AB KT209	1.15	9	4	5	33
AB KT210	1.19	10	4	5	34

Repair handle Nos. AB SLCS, AY 5LCSK series.

One dozen or one-half dozen in a bundle. Heads wrapped in paper. Each handle in a separate envelope.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

STRAWBERRY HOES

BEET, NURSERYMEN'S OR STRAWBERRY

Angular top blade slips easily through and under tops of beets or strawberries. A favorite with nurserymen for cultivating delicate growing plants.



SOCKET PATTERN

Polished blade, gold bronzed steel socket.

No.	Each	Width Cut, Inches	Depth Blade, Inches	Length Handle, Feet	Wt. Doz., Lbs.
AB KNO7½	\$1.29	7½	3½	4⅓	26

Repair handle No. AB KSGH series.



SHANK PATTERN

Polished blade, black lacquered steel ferrule. Gold bronzed shank, depth blade 3½ inches.

Nos.	Each	Width Cut, Inches	Length Handle, Feet	Weight Doz., Lbs.
AY KN6½	\$1.09	6½	4⅓	24
AB KN7½	1.19	7½	4⅓	26

Repair handle Nos. AB KGH, AB SGH, AB GHK, AYPGH series.

COTTON HOES

Somewhat lighter than the planters' hoes—used extensively where soil is light, loamy and easily worked.



HEAVY COTTON—SHANK PATTERN

Polished blade. Black lacquered steel ferrule. Gold bronzed shank, about ½-inch in diameter.

Nos.	Each	Width Cut, In.	Depth Blade, In.	Length Handle, Feet	Wt. Doz., Lbs.
AB KHC106	\$0.89	6	5¼	4½	33
AB KHC106½	.98	6½	5¼	5	35
AB KHC107	1.00	7	5½	5	36
AB KHC107½	1.05	7½	5½	5	36
AB KHC108	1.10	8	5¾	5	38

Repair handle Nos. AB SRCH, AY PHK, AY 5LCHK, AYPCHP series.

One dozen or one-half dozen in a bundle. Heads wrapped in paper. Each handle in a separate envelope.

KEEN KUTTER HOES

AMERICA'S FINEST

Blades, highest grade forged steel, oil tempered and carefully tested. Handles, extra select second growth straight grained ash finely polished, lacquered and attractively labeled. Extra sturdy type black lacquered steel ferrules. Sockets and necks highest grade forged steel. Tough steel caps.

ONION OR BEET HOES



"EASY KUT"—SHANK PATTERN

A weeding and mulching hoe with three cutting edges. Extremely shallow blade and carefully sharpened edge and sides made it "easy cutting," and especially adapted to stirring or mulching top soil and killing weeds.

Polished, square blade tapered from center to sides. Width cut 7 inches. Depth blade 1 1/4 inches. Black lacquered steel ferrule, gold bronzed shank.

No.	Each	Length Handle, Feet	Wt. Per Doz., Lbs.
AB KNH7	\$1.49	4 1/8	25

Repair handle No. AB GHK series.

One dozen or one-half dozen in a bundle. Heads wrapped in paper. Each handle in a separate envelope.

MORTAR HOES

Designed to increase efficiency and to save labor in the hard work of hand-mixing mortar. Ruggedly built of the finest steel to give long and satisfactory service.



SOCKET PATTERN

Polished blade, gold bronzed socket.

No.	Each	Width Cut, Inches	Depth Blade, Inches	Length Handle, Feet	Wt. Per Dozen, Lbs.
AB KMO10	\$1.79	10	6	5 1/2	52

Repair handle No. AB SO66 series.



TWO-HOLE—SHANK PATTERN

Polished blade, black lacquered steel ferrule. Gold bronzed shank.

No.	Each	Width Cut, Inches	Depth Blade, Inches	Length Handle, Feet	Wt. Per Dozen, Lbs.
AB KPM10	\$1.89	10	6	5 1/2	50

Repair handle No. AB S66 series.

SOCKET PATTERN

Polished blade, gold bronzed socket.

No.	Each	Width Cut, Inches	Depth Blade, Inches	Length Handle, Feet	Wt. Per Dozen, Lbs.
AB KPMO10	\$1.95	10	6	5 1/2	50

Repair handle No. AB SO66 series.

One dozen or one-half dozen in a bundle.

Heads and handles wrapped in paper.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SCUFFLE HOES



KEEN KUTTER SHANK PATTERN Polished Finish

This scuffle hoe enjoys popular demand as a practical tool. Handles nicely. Does a fast job of weeding and mulching between rows.

Shank and blade forged from one-piece solid steel. Long plain steel ferrules.

Nos.	Each	Width Cut, Ins.	Depth Blade, Ins.	Lgth., Feet	Per Doz., Lbs.
AB KSF125	\$1.25	7 1/2	4	5	30

Repair handle No. AB SS15 series.

RAILROAD SCUFFLE HOES



SHANK PATTERN

Extra Heavy Polished Blade

The design and construction make it a very sturdy tool for the heavy work of eliminating weeds and grass from roadbeds along railroad right-of-ways.

Forged from one piece of steel. Single straight shank pattern. Black lacquered steel ferrule, bronze shank.

No.	Each	Width Cut, Inches	Length Blade, Inches	Length Handle, Feet	Per Dozen, Lbs.
AB KRS84	\$1.49	8	4	5	45

Repair handle No. AB SS15 series.

One dozen in a bundle.

TURF EDGERS

You can keep the edges around walks, drives and flower beds nicely trimmed with this convenient turf edger. Circular blade has sharp cutting edge that will penetrate sod and soil with ease.



SHANK PATTERN

Polished rounded blade with flanged flat top.

No.	Each	Width Cut, Inches	Length Blade, Inches	Length Handle, Feet	Per Dozen, Lbs.
AB KTE40	\$1.09	9	5	4	32

Repair handle No. AB SS4 1/2 series.

One dozen or one-half dozen in a bundle. Heads wrapped in paper. Each handle in a separate envelope.

KEEN KUTTER HOES

America's Finest

WEEDING HOES

These fine tools hold their edge, give lasting service and are properly designed for the work they have to do. Yet they cost so little more that you will save in the long run by using them.



ACME PATTERN
Two Prongs

This convenient tool serves equally well as a hoe or a cultivator. Particularly useful in close rows with not sufficient room for wheel cultivator. Black dipped blade, polished cutting edge, black ferrule.

No.	Each	Width Cut, Inches	Length Blade, Inches	Length Handle, Feet	Wt. Per Doz., Lbs.
AB KA	\$1.09	4½	9	4½	25

Repair handle Nos. AB KGH, AB SGH, AB GHK, AYPGH series.



Two Prongs

Blades and shank are forged from one piece of high quality steel, assuring a firm set to the head and sharp cutting edges which hold the edge and take resharpening. Gray dipped blade, polished cutting edge. Black lacquered ferrule.

No.	Each	Width Cut, Inches	Length Blade, Inches	Length Handle, Feet	Wt. Per Doz., Lbs.
AB K20	\$0.89	4	9	4½	24

Repair handle Nos. AB KGH, AB SGH, AB GHK, AYPGH series.



One Prong

Handy tool for digging, furrowing and cultivating. The one sharp prong slips easily into the soil and releases freely. Strong and sturdy.

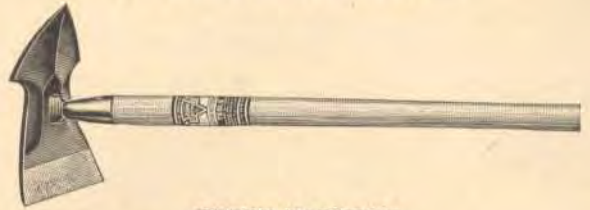
Gray dipped blade, polished cutting edge. Black lacquered steel ferrule.

No.	Each	Width Cut, Inches	Length Blade, Inches	Length Handle, Feet	Wt. Per Doz., Lbs.
AB K10	\$0.89	4	9	4½	24

Repair handle Nos. AB KGH, AB SGH, AB GHK, AYPGH series.

One-half dozen in a bundle.

CULTIVATOR HOES



BEEBE PATTERN
One Prong

Very handy tool for general cultivating and digging seed furrows.

Black dipped blade, polished cutting edge, drop forged shanks, black ferrule.

No.	Each	Width Cut, Inches	Length Blade, Inches	Length Handle, Feet	Wt. Per Doz., Lbs.
AB KBB6	\$1.09	6	9¼	4½	26

Repair handle Nos. AB KGH, AB SGH, AB GHK, AYPGH series.

One-half dozen in a bundle.

TRIANGULAR STEEL WEEDERS

A very important tool for any well-tended garden. It will last a lifetime and can be resharpened.



Solid steel gold bronzed neck and socket.

No.	Each	Width Cut, Inches	Length Blade, Inches	Length Handle, Inches	Wt. Per Doz., Lbs.
AB K3W12	\$0.59	3	2¾	12	8

One dozen in a bundle.

GARDEN HOES



COMET
SHANK PATTERN

This attractive hoe is fine for all around general farm and garden use.

Black finish. Extra-select ash handle. Sheet steel blade riveted to diamond shaped steel shank. Cutting edge polished.

No.	Each	Width Cut, In.	Depth Blade, In.	Length Handle, Feet	Wt. Per Doz., Lbs.
AB CH7	\$0.49	7	4½	4	22

Repair handle No. AYPGH series.

One dozen in a bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER HOES

America's Finest

MATTOCK HOES

Choose these hoes for the best service. Correctly designed and sturdily built to withstand hard usage.



WARREN PATTERN

Special one-piece forged steel polished blade and points. Tapered, ridged and eared blade. Gold bronzed steel neck and socket. Select straight grained ash handle, polished and lacquered. Width blade 6 $\frac{3}{8}$ inches, depth 7 $\frac{1}{2}$ inches.

No.	Each	Length Handle, Feet	Wt. Per Dozen, Lbs.
AB KW7 $\frac{1}{2}$	\$1.49	4 $\frac{1}{2}$	27

Repair handle Nos. AB KGH, AB SGH series.
One-half dozen in a bundle. Heads burlapped.
Handles tubed.



Tempered Blades—Extra Heavy and Strong

This shank pattern hoe has a blade $\frac{1}{2}$ -inch thick at center and 12 inches long which makes it one of the best for all-around heavy duty work, such as digging, weeding, light grubbing, hilling and general cultivating.

High-grade forged steel head with up-set steel shank. Tempered blade. Black enameled body, with large blade half polished. Black lacquered steel ferrule, riveted. Extra select second growth straight grained ash handle, polished, lacquered and labeled. Length blade 12 inches, width cutters 1 $\frac{3}{4}$ and 3 $\frac{1}{4}$ inches.

No.	Each	Length Handle, Feet	Wt. Per Dozen, Lbs.
AB KDE3H	\$1.49	4 $\frac{1}{2}$	45

Repair handle No. AB SS4 $\frac{1}{2}$ series.



SOUTHERN QUEEN

Sharp point and ground edge make this a very handy hoe for digging and weeding. Polished blades slip easily into the soil.

One-piece high-grade steel head, with punched and drawn eye. Blades polished. Extra select second growth straight grained straight ash handle, polished and lacquered. Length blade 11 inches, width 3 $\frac{1}{2}$ inches.

No.	Each	Length Handle, Feet	Wt. Per Dozen, Lbs.
AB KSQ3 $\frac{1}{2}$	\$1.29	5	32

Repair handle No. AB SSQ5 series.

One-half dozen in a bundle. Each handle in a separate envelope. Heads wrapped in paper.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

GARDEN MATTOCK HOES



DIG EZY PATTERN

Here is a sturdy tool, correctly designed to cut roots and work in the hardest soil—so well balanced it does not seem heavy to handle.

One-piece high grade forged steel tempered blades, half polished, balance painted red. Oval eye. Hardwood handle. Width bottom blade 3 inches, top cutter 1 $\frac{1}{2}$ inches. Diameter eye 1 $\frac{1}{2}$ inches. Length head over all 13 inches.

No.	Each	Length Handle, Feet	Wt. Per Dozen, Lbs.
AB KHM	\$1.19	4 $\frac{1}{2}$	32

One dozen or one-half dozen in a bundle. Heads and handles wrapped in paper.

GARDEN MATTOCK HOE HEADS

For No. AB KHM Mattock Hoes

One-piece high grade forged steel tempered blades, half polished, balance painted red. Oval eye, diameter 1 $\frac{1}{2}$ inches. Width bottom blade 3 inches, top cutter 1 $\frac{1}{2}$ inches. Length of head, over all, 14 inches.

AB KMHH—Weight per dozen 18 lbs.....Each \$0.59

Packing—bulk.

GARDEN MATTOCK HOE HANDLES

For No. AB KMHH Mattock Hoe Heads

Hardwood handle, length 4 $\frac{1}{2}$ feet.

AB KH—Weight per dozen 14 lbs.....Each \$0.69

One dozen in a bundle.

GARDEN MATTOCK HOES



Unusually sturdy and extra heavy for heavy duty work in cutting roots and digging in tough places.

One-piece hard, fine grain, hammer forged steel. Oval eye. Painted black and orange, with polished cutting edges. Blades 6 inches long, 1 $\frac{1}{2}$ inches and 3 inches wide respectively. High grade northern white ash handle, smoothly finished and polished.

No.	Each	Length Handle, Feet	Wt. Per Dozen, Lbs.
AB KDBM	\$1.19	4 $\frac{1}{2}$	50

Repair handle No. AB KH series.

Heads two dozen in a case.
Handles one dozen in a bundle.

GARDEN MATTOCKS

KEEN KUTTER

Use this handy tool around the home, garden, farm or orchard for all digging and cultivating except heavy grubbing. Light and easily handled. Ground cutting edges slip easily into the soil and between the small plants.



Highest quality throughout. One-piece fine grain hard steel, hammer forged and heat-treated. Oval eye. Painted blue. Polished edges. Ivory lacquered hardwood handle. Blade width 3 inches, cutter blade width 3½ inches. Length head, over all, 13½ inches. Weight head 3 lbs.

No.	Each	Length Handle, Feet	Wt. Per Doz., Lbs.
AB KGM	\$1.29	3	56

Repair handle No. AB KH series.

Heads two dozen in a case. Handles crated separately.

KLICKER

This handy tool has many uses around the home, garden, farm and orchard for digging and cultivating work (except heavy grubbing).



CUTTER PATTERN

Forged steel. Tempered blades, painted black with polished cutting edges. Oval eye. Hardwood handle 42 inches long. Width blade 3 inches, top cutter 2 inches. Length head 13¼ inches.

AB CMK2½—Complete. Weight per dozen 46 lbs. Each \$1.19


One dozen in a bundle.

AB CMK2½H—Garden Mattock Heads only. Weight per dozen 30 lbs. Each .89

Packing—bulk.

AB MK42—Garden Mattock Handles only. Weight per dozen 15½ lbs. Each .35

One dozen in a bundle.



PLANTERS' GENUINE SCOVIL IMPROVED

Forged from one-piece of steel, half polished.

Nos.	Each	Width Cut, Ins.	Depth Blade, Ins.	Wt. per Dozen, Lbs.
AB 00	\$0.65	6½	5½	15
AB 0	.69	7	6	16½
AB 1	.75	7½	6½	18
AB 2	.79	8	6¾	21

Packing—bulk.

GERMAN PATTERN HOES

KEEN KUTTER

Sturdy hoes for extra heavy hoeing and digging. Forged steel tempered half-polished blade, with drawn or punched steel eye and eye socket. Eye and upper part of blade blue lacquered finish. Handle selected straight grained ash, polished and lacquered.



GARDEN OR FIELD

Extra wide blade, 6 inches wide, 6 inches long.

No.	Each	Length Handle, Feet	Wt. Per Dozen, Lbs.
AB KGH6	\$1.09	4½	28

Repair handle No. AB SLPH series.



GRUB OR SPROUTING

Narrow blade makes this hoe especially fine for heavy grubbing and sprouting in new ground. Blade 4½ inches wide, 7¾ inches deep.

No.	Each	Length Handle, Feet	Wt. Per Dozen, Lbs.
AB KGS4½	\$1.19	4	34

Repair handle No. AB SLSH series.

One dozen in a crate.

EYE HOES

KEEN KUTTER



PLANTERS'

SCOVIL PATTERN

Blade and eye forged from one-piece of steel. Carefully tempered, half polished blade, upper part natural finish.

Nos.	Each	Width Cut, Ins.	Depth Blade, Ins.	Wt. per Dozen, Lbs.
AB KS00	\$0.69	6½	6¼	18
AB KS0	.75	7	6¼	20
AB KS1	.79	7½	6¾	23
AB KS2	.89	8	6¾	24

SPROUTING—SCOVIL PATTERN

Blade and eye forged from one-piece of steel. Carefully tempered, polished blade, with blue lacquered eye. Width cut 4½ inches. Depth blade 7¾ inches.

AB KS4½—Weight per dozen 19 lbs. Each \$0.85

Packing—bulk.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SIMMONS HOES

ECONOMICAL! DEPENDABLE!

Second only to *KEEN CUTTER* in quality and workmanship.

SIMMONS hoes are high quality and will stand up under hard and constant use.

Well shaped and properly hung for maximum ease in handling.

- **Blades**—high-grade forged steel, oil tempered and tested for satisfactory service.
- **Handles**—light, strong, durable! Selected ash, polished, lacquered and attractively labeled.
- **Sockets and Ferrules**—high-grade steel, riveted for greater strength.

Choose the right hoe for your task and speed up your work.

GARDEN HOES



REGULAR FIELD AND GARDEN SOCKET PATTERN

These are the correct hoes for all-around general farm and garden use. Sturdily built, long lasting and economical.

Regular size. Polished blade and gold bronzed steel socket.

Nos.	Each	Width Cut, In.	Depth Blade, In.	Length Handle, Ft.	Per Doz., Lbs.	Wt. Per Doz., Lbs.
AB SG206	\$1.09	6	4 $\frac{3}{8}$	4 $\frac{1}{2}$	25	
AB SG206 $\frac{1}{2}$	1.09	6 $\frac{1}{2}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$	27	
AB SG207	1.15	7	4 $\frac{1}{2}$	4 $\frac{1}{2}$	27	
AB SG207 $\frac{1}{2}$	1.19	7 $\frac{1}{2}$	4 $\frac{3}{4}$	4 $\frac{1}{2}$	28	
AB SG208	1.19	8	4 $\frac{3}{4}$	4 $\frac{1}{2}$	28	
AB SG20	1.19	Assorted 6 $\frac{1}{2}$ to 7 $\frac{1}{2}$		4 $\frac{1}{2}$	27	

Repair handle No. AB KSGH series.

SOUTHERN MEADOW HOES



TRINITY SOCKET PATTERN Shallow Blade

Ideal hoes for chopping cotton and general hoeing in black loamy soil. Light and strong with shallow polished blades which retain their sharp cutting edges.

Polished blade, gold bronzed socket. Shank $\frac{1}{4}$ -inch diameter.

Nos.	Each	Width Cut, In.	Depth Blade, In.	Length Handle, Ft.	Per Doz., Lbs.	Wt. Per Doz., Lbs.
AB ST207	\$0.89	7	4	5	32	
AB ST208	.95	8	4	5	32	
AB ST209	.98	9	4	5	33	

Repair handle No. AB KSGH series.

SUGAR BEET HOES



SOCKET PATTERN
A fine hoe for cultivating flower beds. The short handle is very convenient for weeding and thinning beets and

other vegetables. Angular blade slips easily between delicate growing plants.

Polished angular top blade. Gold bronzed steel socket.

No.	Each	Width Cut, In.	Depth Blade, In.	Length Handle, In.	Per Doz., Lbs.	Wt. Per Doz., Lbs.
AB SNO712	\$0.85	7	3 $\frac{1}{2}$	12	14	

One dozen or one-half dozen in a bundle.

Heads and handles wrapped in paper.

† Goods marked thus (†) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

STRAWBERRY HOES



SOCKET PATTERN

Popular, economical hoe for cultivating beets, turnips, strawberries and similar small bushy plants. Light but strong. Preferred by nurserymen for cultivation of delicate plants. The angular blade slips easily under and between growing plants.

Polished angular top blade. Gold bronzed steel socket.

Nos.	Each	Width Cut, In.	Depth Blade, In.	Length Handle, Ft.	Per Doz., Lbs.	Wt. Per Doz., Lbs.
† AB SNO6	\$1.09	6	3 $\frac{1}{2}$	4 $\frac{1}{2}$	25	
† AB SNO6 $\frac{1}{2}$	1.09	6 $\frac{1}{2}$	3 $\frac{1}{2}$	4 $\frac{1}{2}$	26	
AB SNO7	1.15	7	3 $\frac{1}{2}$	4 $\frac{1}{2}$	26	
AB SNO7 $\frac{1}{2}$	1.19	7 $\frac{1}{2}$	3 $\frac{1}{2}$	4 $\frac{1}{2}$	27	
AB SNO8	1.25	8	3 $\frac{1}{2}$	4 $\frac{1}{2}$	27	

Repair handle No. AB KSGH series.

WEEDING HOES



Two Prongs

Excellent tool for keeping down weeds about the garden and flower beds. Sharp prongs make it an effective cultivator-type hoe.

Polished blade. Gold bronzed ferrule.

No.	Each	Width Cut, In.	Depth Blade, In.	Length Handle, Ft.	Per Doz., Lbs.	Wt. Per Doz., Lbs.
AB S102	\$0.85	3 $\frac{1}{2}$	9	4 $\frac{1}{2}$	24	

Repair handle No. AB SGH series.

SCUFFLE HOES



SHANK PATTERN

A very practical tool—ideal for cutting weeds, edging lawns, flower beds. Also for chopping and cleaning ice and mud from walks, and scraping stable and chicken house floors.

Polished blade. Gold bronzed ferrule and shank. Handle selected straight ash, polished and lacquered. Width blade 7 inches, depth 4 $\frac{1}{2}$ inches.

No.	Each	Length Handle, Feet	Wt. Per Dozen, Lbs.
AB S75	\$1.09	5	31

One dozen or one-half dozen in a bundle. Heads and handles wrapped in paper.

KLICKEr HOES

The Best Possible Values for These Low Prices

You can be sure of serviceable tools when you select KLICKER hoes. Designed and built to give you better service than ordinary tools and priced low enough to make them economy buys.

• **Blades**—Good quality forged steel, correctly tempered.

- **Handles**—Good grade ash, lacquered and attractively labeled.
- **Sockets and necks**—High grade steel.
- **Shanks, Ferrules and Caps**—Durable steel. Shanks forged steel for longer wear, riveted on.

GARDEN HOES

For general use about the yard, garden and farm. Light but sturdy for good service.



REGULAR FIELD AND GARDEN SOCKET PATTERN

Regular size. Polished blade. Silver bronzed steel socket.

Nos.	Each	Width Depth Length			Wt. Per Doz., Lbs.	
		Cut, In.	Blade, In.	Handle, Ft.		
AB 206½ GK	\$0.98	6½	4½	4½	27	
AB 207GK	.98	7	4½	4½	28	
AB 207½ GK	1.09	7½	4¾	4¾	29	
AB 206K	-----	(assorted) 6½ to 7½			4¾	28

Repair handle No. AB KSGH series.



HUMMER FIELD AND GARDEN SOCKET PATTERN

One wheel polished blade. Silver bronzed steel socket. Shank ⅝-inch in diameter.

Nos.	Each	Width Depth Length			Wt. Per Doz., Lbs.
		Cut, In.	Blade, In.	Handle, Ft.	
AB 06HK	\$0.69	6	4¾	4¾	26
AB 06½ HK	.75	6½	4½	4½	27
AB 07HK	.79	7	4½	4½	27
AB 07½ HK	.79	7½	4¾	4¾	28
AB 08HK	.89	8	4¾	4¾	27

Repair handle No. AB KSGH series.



REGULAR FIELD AND GARDEN SHANK PATTERN—REGULAR SIZE

Polished blade. Silver bronzed ferrule and shank.

Nos.	Each	Width Depth Length			Wt. Per Doz., Lbs.	
		Cut, In.	Blade, In.	Handle, Ft.		
AB 7GK	\$0.85	7	4½	4½	26	
AB 10GK	.89	(assorted) 6½ to 7½			4¾	27

Repair handle Nos. AYPGH, AB GHK, AB SGH series. One dozen in a bundle.

GARDEN HOES

For general use about the yard, garden and farm. Light in weight, balanced—just right for easy work. Slips easily under and around plants.



GOOSE NECK—SHANK PATTERN

Bright cold rolled sheet steel blades, riveted to malleable iron shank. Silver bronzed ferrule and shank. Shank ⅝-inch in diameter.

No.	Each	Width Depth Length			Wt. Per Doz., Lbs.
		Cut, In.	Blade, In.	Handle, Ft.	
AY 7RSSK	\$0.49	7	4½	4	27

Repair handle No. AYPHK series.

One dozen in a bundle.

PLANTERS' HOES



GOOSE NECK—SHANK PATTERN

A very practical hoe for general work about the farm and garden.

Polished blade. Silver bronzed ferrule and shank. Shank about ⅝-inch in diameter.

Nos.	Each	Width Depth Length			Wt. Per Doz., Lbs.
		Cut, In.	Blade, In.	Handle, Ft.	
AB 105PK	\$0.69	5	5¼	4½	36
AB 106PK	.75	6	5¼	4½	37

Repair handle No. AYPHK series.

One dozen in a bundle.

NURSERYMEN'S HOES



BEET, NURSERYMEN'S OR STRAWBERRY SOCKET PATTERN

A favorite with nurserymen and gardeners. Fine for thinning and weeding beets, turnips, strawberries. Angular blade slips easily around and under delicate growing plants.

Polished angular top blade. Silver bronzed steel socket.

Nos.	Each	Width Depth Length			Wt. Per Doz., Lbs.
		Cut, In.	Blade, In.	Handle, Ft.	
AB 07NK	\$0.95	7	3½	4½	25
AB 07½ NK	.98	7½	3½	4½	26
AB 08NK	1.09	8	3½	4½	27

Repair handle No. AB KSGH series.

One dozen in a bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KLICKER HOES

The Best Possible Values for These Low Prices

You can be sure of serviceable tools when you select **KLICKER** hoes. Designed and built to give you better service than ordinary tools and priced low enough to make them economy buys.

- **Blades**—good quality forged steel, correctly tempered.

COTTON HOES

Here is a popular priced, well designed cotton hoe made to give real service.



HEAVY COTTON GOOSE-NECK SHANK PATTERN

Polished blade. Silver bronzed steel ferrule and shank. Shanks about $\frac{1}{4}$ -inch in diameter.

Nos.	Each	Width Cut, Ins.	Depth Blade, Ins.	Length Handle, Ft.	Wt. Per Doz., Lbs.
AB 106K $\frac{1}{2}$	\$0.65	6	5 $\frac{1}{4}$	4 $\frac{1}{2}$	33
AB 106 $\frac{1}{2}$ K $\frac{1}{2}$	.69	6 $\frac{1}{2}$	5 $\frac{1}{4}$	4 $\frac{1}{2}$	33
AB 106K	.75	6	5 $\frac{1}{4}$	5	35
AB 106 $\frac{1}{2}$ K	.75	6 $\frac{1}{2}$	5 $\frac{1}{4}$	5	35
AB 107K	.79	7	5 $\frac{1}{2}$	5	36
AB 107 $\frac{1}{2}$ K	.85	7 $\frac{1}{2}$	5 $\frac{1}{2}$	5	37

Repair handle No. AY PHK series.



LIGHT COTTON GOOSE-NECK SHANK PATTERN

Polished blade. Silver bronzed steel ferrule and shank. Shanks about $\frac{7}{16}$ -inch in diameter.

Nos.	Each	Width Cut, Ins.	Depth Blade, Ins.	Length Handle, Ft.	Wt. Per Doz., Lbs.
AB 64 $\frac{1}{2}$ K	\$0.65	6	4 $\frac{5}{8}$	4 $\frac{1}{2}$	27
AB 65K	.69	6	4 $\frac{5}{8}$	5	28
AB 6 $\frac{1}{2}$ 5K	.69	6 $\frac{1}{2}$	4 $\frac{5}{8}$	5	29
AB 75K	.75	7	4 $\frac{3}{4}$	5	29

Repair handle No. AB GHK series.



COTTON CHOPPER STRAIGHT SHANK PATTERN

Polished blade. Silver bronzed steel ferrule and shank.

Nos.	Each	Width Cut, Ins.	Depth Blade, Ins.	Length Handle, Ft.	Wt. Per Doz., Lbs.
AB 85CK	\$0.75	8	4	5	37
AB 95CK	.79	9	4	5	38

Repair handle No. AY 5LCHK series.
One dozen in a bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

- **Handles**—good grade ash, lacquered and attractively labeled.
- **Sockets and Necks**—high-grade steel.
- **Shanks, Ferrules and Caps**—durable steel. Shanks forged steel for longer wear, riveted on.

COTTON HOES

Here is a popular priced, well designed hoe made to give real service.



RED RIVER PATTERN STRAIGHT SHANK PATTERN

Polished blade. Silver bronzed steel ferrule and shank. Shank about $\frac{1}{2}$ -inch in diameter.

Nos.	Each	Width Cut, Ins.	Depth Blade, Ins.	Length Handle, Ft.	Wt. Per Doz., Lbs.
AB 75SK	\$0.75	7	5 $\frac{1}{4}$	5	36
AB 7 $\frac{1}{2}$ 5SK	.75	7 $\frac{1}{2}$	5 $\frac{1}{4}$	5	36

Repair handle No. AY 5LCSK series.

SOUTHERN MEADOW HOES

Light and strong with good cutting edges for use in blacklands or for chopping cotton and general hoeing. Forged steel tempered blades. Sockets and ferrules riveted.



SOCKET PATTERN

Polished blade, silver bronzed steel socket.

Nos.	Each	Width Cut, Ins.	Depth Blade, Ins.	Length Handle, Ft.	Wt. Per Doz., Lbs.
AB 207TK	\$0.79	7	4	5	32
AB 208TK	.85	8	4	5	32
AB 209TK	.85	9	4	5	33
AB 210TK	.89	10	4	5	34

Repair handle No. AY 5LCSK series.



SHANK PATTERN

Polished blade. Silver bronzed steel ferrule and shank. Shank about $\frac{7}{16}$ -inch in diameter.

Nos.	Each	Width Cut, Ins.	Depth Blade, Ins.	Length Handle, Ft.	Wt. Per Doz., Lbs.
AB 107TK	\$0.69	7	4	5	29
AB 108TK	.75	8	4	5	31
AB 109TK	.79	9	4	5	31

Repair handle No. AY 5LCHK series.
One dozen in a bundle.

GARDEN RAKES

Beautify your lawn and garden with these useful garden tools.
They are sturdily built of good quality materials for long service.

WIDE BOW PATTERN



KEEN CUTTER

America's finest—first quality. Specially designed for easy handling in yard and garden work!

Highest grade one-piece forged steel head and bow. Curved teeth 3 inches long. Black lacquered tubular steel ferrule riveted to handle. Gold bronzed head, bow and cap. Select straight ash handle, 5 feet long, polished and lacquered.

Nos.	Each	No. Teeth	Length	Wt. per Dozen,
			Head, In.		Lbs.
AB KSB14	\$1.45	14	14	37
AB KSB16	1.50	16	16	39

Repair handle Nos. AB KR, AB SR, AB GRK, AB PR series.



SIMMONS

Economical, dependable rakes for good service around lawn or garden.

One-piece gray forged steel head. Curved teeth 3 inches long. Gold bronzed bow and cap, steel ferrule, red enameled. Riveted shank. Select ash handle, 5 feet long, polished and lacquered.

Nos.	Each	No. Teeth	Length	Wt. per Dozen,
			Head, In.		Lbs.
AB SSB12	\$1.00	12	12	30
AB SSB14	1.10	14	14	32
AB SSB16	1.25	16	16	34

Repair handle Nos. AB SR, AB KR, AB GRK, AB PR series.



KLICKER

Use this sturdy low priced rake to beautify your lawn and garden.

Forged steel head and bow, black enameled. Curved teeth 3 inches long. Silver bronze steel ferrule and cap. Shank riveted to handle. Good quality ash handle, 5 feet long, polished and lacquered.

Nos.	Each	No. Teeth	Length	Wt. per Dozen,
			Head, In.		Lbs.
AY 14BK	\$0.89	14	14	34
AY 16BK	.98	16	16	36

Repair handle Nos. AB GRK, AB PR, AB SR, AB KR series.

One dozen or one-half dozen in a bundle.
Each handle in a separate envelope.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

LEVEL HEAD—STRAIGHT TEETH

SIMMONS



A sturdy inexpensive rake for general light work about the yard and garden.

Forged steel head, painted red, 14 straight teeth 3 inches long. Gold bronzed ferrule riveted to handle. Select ash handle 5½ feet long, polished and lacquered.

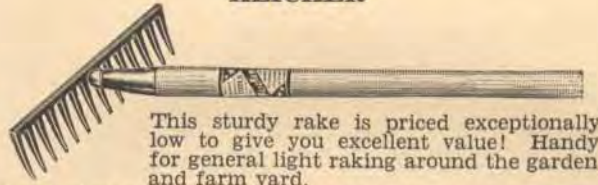
Length Head 14¾ Inches.

AB S9014—Weight per dozen 38 lbs.....Each \$0.89

Repair handle Nos. AB KR, AB SR, AB GRK, AB PR series.

One dozen or one half-dozen in a bundle.
Each handle in a separate envelope.

KLICKER



This sturdy rake is priced exceptionally low to give you excellent value! Handy for general light raking around the garden and farm yard.

Forged steel head, painted black, 14 teeth 2½ inches long. Silver bronzed ferrule riveted to handle. Good grade ash handle, 5 feet long, polished and lacquered.

Length Head 14 Inches.

AB 14LK—Weight per dozen 30 lbs.....Each \$0.65

Repair handle Nos. AB GRK, AB PR, AB SR, AB KR series.

COMET



A useful rake for lawn or garden. Very strong and durable, yet very low priced!

A useful rake for lawn or garden. Very strong and durable, yet very low priced!

Ribbed steel head with 12 straight teeth 2½ inches long. Black finish. Malleable iron socket riveted to head. Select straight ash handle, 5 feet long.

Nos.	Each	No. Teeth	Length	Wt. per Dozen,
			Head, In.		Lbs.
AB CR12	\$0.49	12	12	25
AB CR14	.55	14	14	27

Repair handle Nos. AY 5LCSK, AB SLCS-5 series.

PREMIUM STEEL—BRACED



This sturdy rake will give good service about the yard and garden. It is light but strong.

Premium steel head and braced shank with 14 straight teeth 2½ inches long. Head and teeth painted black. Silver bronzed steel ferrule riveted to handle. Good quality hardwood handle, 5 feet long, polished and lacquered.

Length Head 14 Inches.

AB 14MBK—Weight per dozen 30 lbs.....Each \$0.69

Repair handle Nos. AB GRK, AB PR, AB SR, AB KR series.

One dozen in a bundle.

LAWN RAKES



THE LAWNCOMB

Light, strong, flexible, unequalled for cleaning leaves, grass, twigs, and similar refuse from lawns, paths, or driveways.

Never digs in or injures tender growing grass. Cleans quickly and thoroughly around shrubbery, plants, vines and in flower beds. It is extremely light in weight and requires so little effort when using that one's arms and back never become tired and aching.

Head constructed entirely of heavy steel, with full rounded corners to insure against breaking. Curved center bar, flat steel crossbar clamps around frame, flat spring steel tines, with convex shaped rounded tips that extend through crossbars, fitted with double lacquered wood handle, bolted to head.

Nos.	Green Enameled Head		Length		Wt. Dozen, Lbs.
	Each	No. Teeth	Width, In.	Handle, In.	
AB LCR18	\$1.19	24	18	52	22
AB LCR24	1.59	24	24	60	32

Heads one-half dozen in a carton.
Handles one-half dozen in a bundle.

BAMBOO LAWN RAKES



Fan Shape—33 Teeth

Amazingly light but sturdily constructed for rapid raking of leaves, paper and cut grass.

Head consists of 33 bamboo strips, spread fan shape and reinforced with wire and rattan. End of strips bent to form teeth. Head securely bolted and clamped to 53-inch bamboo handle.

Length Over All 65 Inches

AB 33—Weight per dozen 12 lbs.....Each \$0.19

Packing—bulk.

LAWN BROOM RAKES



16 Tines 7½ Inches Long

For cleaning lawns and gardens. Works fast and easy. Handy for cleaning poultry houses and barns. Well made and practically indestructible.

High-grade 13-gauge oil tempered spring steel tines passing through two heavy curved sheet steel braces. Natural finish hardwood handle, 4 feet long. Angle steel brace.

Size Head 15½x14¾ Inches

AB 1BC—Weight per dozen 24 lbs.....Each \$0.49

One-half dozen in a bundle.

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BRUME RAKES

Used like a broom. Keeps lawns, gravel paths, garden plots spick and span. Light but strong and extremely durable.

KEEN CUTTER



22 Teeth 14 Inches Long

Spring steel teeth braced 8 inches from working points. Each tooth twisted before entering handle socket. Socket riveted to handle. Select ash handle polished and lacquered. 3½ feet long.

Extreme Width 19 Inches

AB KBR22—Weight per dozen 18 lbs.....Each \$0.98



KLICHER

22 Flat Teeth

Steel head with flexible spring flat steel teeth 6½ inches long securely fastened. Finished in green enamel. Good grade ash handle, length 4½ feet.

Extreme Width 18 Inches

AB 226½K—Weight per dozen 19 lbs.....Each \$0.69



24 Round Teeth

Round spring steel wire teeth 9 inches long firmly fastened in a steel head. Finished in green enamel. Good grade ash handle, length 4 feet.

Extreme Width 17½ Inches

AB 249K—Weight per dozen 21 lbs.....Each \$0.49

AMERICAN-JUNIOR



SPECIAL LIGHT WEIGHT PATTERN

22 Teeth 6½ Inches Long

The head is built on a long radius, slightly concaved, so that all teeth are in contact with the ground when in use. Flat spring steel teeth fastened to U-shaped brace. Steel riveted socket. Smooth finished ash handle, 4 feet long.

Extreme Width 18½ Inches

AB 22X—Weight per dozen 22 lbs.....Each \$0.79

Repair handle Nos. AB SGH, AY PGH series.

Heads one dozen in a carton. Handles one dozen in a bundle.

PARK RAKES

KEEN KUTTER Reversible



36 Straight Teeth—18 Loop Teeth

Tubular steel head 15-gauge.
Steel spring wire teeth 9-gauge.
Bent loop teeth 2¼ inches long

on one side. Straight single teeth 2½ inches long on other side. Stamped steel tinned socket, riveted to handle. Select straight ash handle polished and lacquered, 5 feet long.

Length Head 30 Inches.

AB K36—Weight per dozen 48 lbs.....Each \$1.95

Repair handle No. AY 5LCSK series.

LAWN RAKES

Special designs for effective use on large or small lawns.
Sturdily built for long service



KEEN KUTTER Reversible

22 Straight Teeth—12 Loop Teeth
One rounded steel plate on each end prevents digging into ground and gives double strength to the teeth.

Tubular steel head 15 gauge. Steel spring wire teeth 9 gauge. Bent loop lawn teeth 2½ inches long on one side. Single teeth 2½ inches long on other side with one solid rounded steel plate securely fitted over each end of rake head and fastened into each end tooth. Shanks securely bolted to head. Select straight ash handle, polished and lacquered, 5 feet long.

Length Head 20¾ Inches.

AB K24—Weight per dozen 40 lbs.....Each \$1.35



SIMMONS Reversible

24 Straight Teeth—12 Loop Teeth
Economical! Dependable!

Channel steel head 20-gauge. Steel spring wire teeth 9-gauge. Bent loop lawn teeth 2½ inches long on one side, single teeth 2½ inches long on other side. Tinned pressed steel socket riveted to handle with shanks riveted to head. Five-foot straight ash handle, polished and lacquered.

Length Head 20¾ Inches.

AB S24—Weight per dozen 35 lbs.....Each \$0.98

Repair handle Nos. AY 5LCS5, AY 5LCSK series.

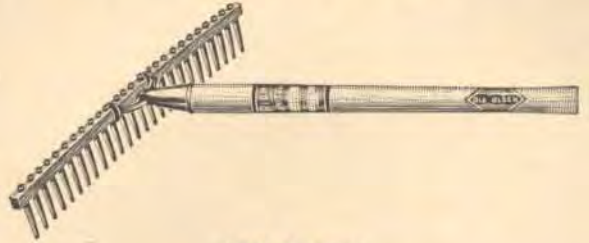
One dozen or one-half dozen in a bundle.

Each handle in a separate envelope.

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LAWN RAKES

Special designs effective for use on large or small lawns.
Built sturdily for good service.



OLE OLSEN 26 Teeth—Curved Head

Hardwood head, oil finished, with wood teeth 4 inches long, fastened in by patent clinching process, which holds them absolutely tight. Gold bronzed ferrule and malleable braces. Smooth straight ash handle, 5 feet long.

Length Head 23 Inches

AB OLC—Weight per dozen 30 lbs.....Each \$1.10

Repair handle Nos. AB KR, AB SR, AB GRK, AB PR series.

Heads one dozen in a crate. Handles one dozen in a bundle.



PREMIUM 20 Teeth—Straight Head

Here is a light, extra long handled rake just right for leaves, grass and other light refuse. Plain finish hardwood head with wood teeth 4½ inches long. Smooth finish bent ash handle, 6 feet long. Handle mortised into wooden head and supported by three 10-gauge wire braces.

Length Head 27 Inches

AB P—Weight per dozen 26 lbs.....Each \$0.69

One dozen in a bundle.

HAY RAKES



10 Teeth—Standard

Light weight wooden tools ideal for raking hay, weeds and grass on lawns and small grass plots where wheel rakes are impractical.

Plain finish hardwood head with wood teeth 4¼ inches long. Smooth bent handle mortised into head and supported by two 10-gauge wire braces. Handle 6 feet long.

Length Head 27 Inches

AB 2—Weight per dozen 26 lbs.....Each \$0.59

One dozen in a bundle.

TAR OR ASPHALT RAKES



KEEN KUTTER

For best results in spreading and smoothing hot asphalt before rolling. Extraordinarily strong and durable. Long, straight steel shank prevents burning of handle.

Forged steel head and square, straight shank. Shank 16 inches long. Steel strap ferrule. Head and ferrule painted black. Shank gold bronzed. Straight teeth 3½ inches long. Extra select straight ash handle 5 feet long, polished and lacquered.

Length Head 16 Inches

AB K914—Weight per dozen 60 lbs.....Each \$2.85

One-half dozen in a bundle. Handles wrapped in paper.

COAL OR ROAD RAKES

These heavy duty rakes are designed and built for road work and similar operations which require handling of coarse gravel, crushed stone, coal and other heavy materials. They will stand up under the strain and will save time, labor and money. More economical in the long run than the ordinary cheaper rakes.



KEEN KUTTER

16 Straight Teeth

Highest grade forged steel head and straight shank, natural finish. Black lacquered steel ferrule teeth 3½ inches long. Extra select straight ash handle 5 feet long, polished and lacquered.

Length Head 18 Inches

AB K95/16—Weight per dozen 54 lbs.....Each \$1.95

One-half dozen in a bundle. Each handle in a separate envelope.



SIMMONS

14 Straight Teeth

High grade forged steel head and straight shank, natural finish. Gold bronzed steel ferrule. Teeth 3½ inches long. Straight ash handle 5½ feet long, polished and lacquered.

Length Head 15¼ Inches

AB SRR14—Weight per dozen 50 lbs.....Each \$1.45

Repair handle No. AB SLCH series.

One-half dozen in a bundle. Handles wrapped in paper.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

DANDELION RAKES

For raking or cleaning lawns and yards. Saw teeth will exterminate dandelions by cutting off the blossoms before seed can mature but will not tear the grass roots.



KEEN KUTTER

26 Saw Teeth

One-piece heavy stamped steel head and shank. Painted green, bolted to handle. Selected straight ash handle 5½ feet long, polished and lacquered.

Length Head 15¼ Inches

AB KLDR—Weight per dozen 35 lbs.....Each \$1.10



SIMMONS

26 Saw Teeth

Heavy steel head with forged shank, riveted. Steel ferrule. Painted red. Select ash handle 5 feet long, polished and lacquered.

Length Head 15½ Inches

AB SDR—Weight per dozen 30 lbs.....Each \$0.89

Repair handle Nos. AB SLCS5, AY 5LCSK series.

One dozen in a bundle.

GARDEN TOOL HOLDERS



KEEN KUTTER

FOR GARAGE, SHED OR BARN

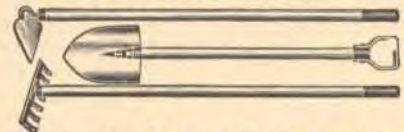
Every home owner or farmer needs one or more of these tool holders as a convenient and safe place to store garden tools. Easily attached to walls or studding of any building.

Braced steel plates with four screw holes, finished in aluminum and green. Length 48 inches. Width 6 inches. Eighteen steel rod tool hooks attached with locking nuts. Complete with wood screws and instructions for assembling.

AB KGTH—Weight per dozen 35 lbs.....Each \$0.39

One-half dozen in a carton.

GARDEN SETS



Wrought steel heads. Natural finish wood handles with red enameled ends.

Set consists of three pieces:

Shovel—Blade 5¼x4¼ inches. Steel D handle. Length over all 21¼ inches.

Hoe—Blade 3¾x2¼ inches. Length over all 22 inches.

Rake—Width head 4½ inches—Six 1½-inch teeth. Length over all 20 inches.

AY 225—Weight per dozen sets 15 lbs.....Per Set \$0.23

One dozen sets in a carton.

KEEN KUTTER GARDEN TOOLS

Heads forged from high-grade steel. Gold bronzed steel shanks, black lacquered steel ferrules. Handles select straight ash, polished and lacquered.

GARDEN SETS



Light, efficient tools. Particularly adapted to work in flower gardens. Also for use by women and children.

Heads forged from high-grade steel. Gold bronzed shanks. Black lacquered steel ferrules. Handles extra select straight ash polished and lacquered.

Set consists of four pieces:

- One No. AB KY4 Hoe.
- One No. AB K7 Shovel.
- One No. AB KR6 Rake.
- One No. AB KDF4 Spading Fork.

AB K4—Weight per dozen sets 78 lbs.....Per Set \$3.25

One-quarter dozen sets in a bundle, heads burlapped.

GARDEN SPADING FORK



Handy tool for spading and digging.

Four flat diamond back tumbled finish tines 6¼ inches long with polished face. Extreme spread 6 inches—extra strong and will not bend under pressure. Handle has steel D, with comfortable wood grip. Length over all 36½ inches.

AB KDF4—Weight per dozen 25 lbs.....Each \$0.95

GARDEN SHOVEL



Polished round point blade—width 4¾ inches, length 7½ inches. Handle has steel D with comfortable wood grip for greater ease in handling. Length over all 38 inches.

AB K7—Weight per dozen 25 lbs.....Each \$0.95

GARDEN RAKE



Head 6 inches wide—just right for working in the flower beds and among small plants. Six unpolished teeth 2¼ inches long. Length handle 48 inches.

AB KR6—Weight per dozen 15 lbs.....Each \$0.65

GARDEN HOE



Polished blade slips easily into the soil—easily cleaned. Width cut 4 inches. Depth blade 3½ inches. Length handle 48 inches.

AB KY4—Weight per dozen 20 lbs.....Each \$0.85

One dozen in a bundle. Heads burlapped. Handles wrapped in paper.

GARDEN SETS



SIMMONS

Economical! Dependable!

For work in flower gardens. Also for use by women and children.

Heads forged from high-grade steel. Gold bronzed shanks and ferrules. Polished straight white ash handles.

Set consists of three pieces:

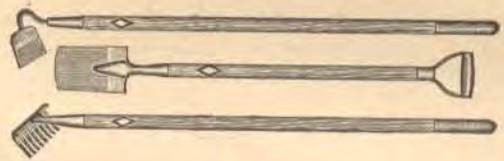
Shovel—Width blade 4¾ inches, length 7½ inches. Steel D handle with comfortable wood grip. Length over all 38 inches.

Hoe—Width cut 4 inches, depth 3½ inches. Length handle 48 inches.

Rake—Width head 4½ inches—six 3-inch teeth. Length handle 48 inches.

AB S3—Weight per dozen sets 56 lbs.....Per Set \$1.75

Three sets in a bundle, heads burlapped.



These handy sets for general garden use are attractively designed and finished in bright colors.

Cold rolled steel heads and hardwood handles.

Set consists of 3 pieces:

Shovel—One-piece blade and socket, orange finish. Blade 7x5 inches. Blue handle, length 24 inches with orange finish steel D and wood grip.

Hoe—Steel blade 5x3 inches welded to shank. Red finish. Yellow handle, length 32 inches.

Rake—One-piece blade and socket. Head 8x8½ inches with 8 ribbed teeth. Green finish. Red handle, length 32 inches.

AB C275—Weight per dozen sets 34 lbs.Complete Set \$0.75

One dozen sets in a carton.



LITTLE GIANT—JUNIOR

Heavy wrought steel heads. Natural finish wood handles, with red enameled ends.

Set consists of three pieces:

Shovel—Blade 6¼x4½ inches with steel socket. Steel D handle with comfortable wood grip. Length over all 26½ inches.

Hoe—Blade 4½x3 inches. Length over all 28 inches.

Rake—Width head 6¼ inches—eight 2-inch teeth. Length over all 28 inches.

AB 250—Weight per dozen sets 27 lbs.....Per Set \$0.49

One dozen sets in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SPECIAL GARDEN CLUB TOOLS

WITH COLORED HANDLES

New inspiration for discriminating gardeners. A selection of popular garden tools, carefully made, beautifully finished and attractively priced!

Handles—High-grade ash in choice of three pleasing colors: Golden Rod, Terra Cotta or Lavender with Garden Club 6-color foil label.

Metal Parts—Gold bronze finish or full polished, as specified.

SPADING FORK



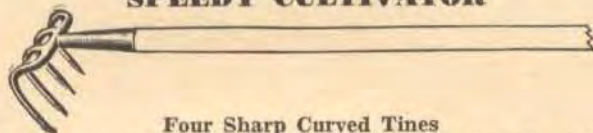
Four Diamond Back Tines
Tubular Ferrule

The right weight and balance for easy efficient work in light garden soil in flower beds and around shrubbery.

Forged steel tines bronzed and polished, length 10 inches. Tubular steel ferrule, bronzed. D-top handle, length 30 inches.

AB GCSF—Weight per dozen 25 lbs.....Each \$1.00

SPEEDY CULTIVATOR



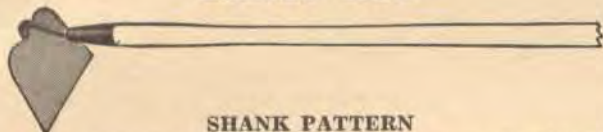
Four Sharp Curved Tines

The sharp pointed curved tines are hung at just the right angle to easily penetrate and rapidly loosen with a simple pulling motion. A fast working tool for preparing the ground for seeding and for cultivating after planting is done.

Forged steel head and tines. Plain ferrule. Gold bronzed head and ferrule. Tines 5 inches long. Space between tines 1½ inches. Length handle 4½ feet.

AB GCSC—Weight per dozen 22 lbs.....Each \$1.25

LADIES' HOE

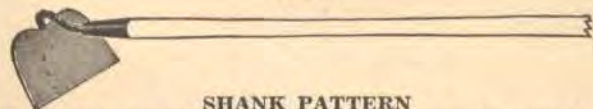


SHANK PATTERN

A light-weight hoe designed especially for small cultivating tasks about the yard and garden. Blade high-grade forged steel, polished. Goose-neck shank and plain ferrule. Gold bronzed. Width blade 5 inches. Length handle 4 feet.

AB GCH5—Weight per dozen 20 lbs.....Each \$1.00

HOE

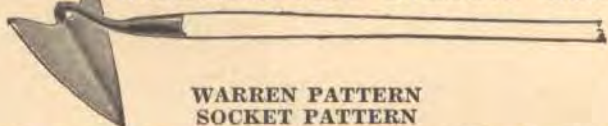


SHANK PATTERN

A general purpose garden hoe; a light, easy, fast worker! High-grade forged steel blade, oil tempered and polished. Goose-neck type. Gold bronzed ferrule. Width blade 6½ inches. Length handle 4¾ feet.

AB GCH6½—Weight per dozen 27 lbs.....Each \$1.00

DRILLING AND HILLING HOE



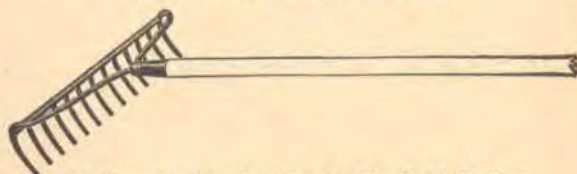
WARREN PATTERN
SOCKET PATTERN

For all-purpose use in drilling seed, covering furrows, hilling, cultivating, and weeding, this hoe is unexcelled. Curved cutting edges for hoeing, hilling and cultivating. Sharp point and ears for weeding.

Forged steel head. Polished blade measures 7 inches along sides. Gold bronzed socket. Handle length 4¾ feet.

AB GCW7—Weight per dozen 27 lbs.....Each \$1.25

ROUND BOW RAKE



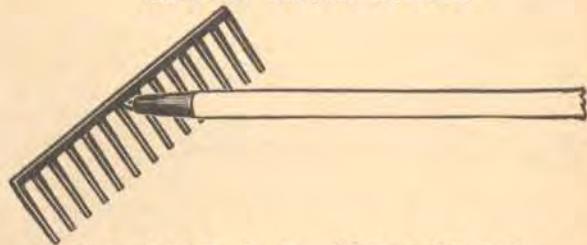
14 Curved Teeth—Length Head 14 Inches

These rakes last—no bending, wobbling or dropped off heads. Do a dependable raking job anywhere.

Forged from one solid piece of steel with convenient curved teeth. Plain ferrule. Gold bronzed head and ferrule. Teeth ¾ inches long. Length handle 5 feet.

AB GCB14—Weight per dozen 34 lbs.....Each \$1.10

LEVEL HEAD RAKE



14 Straight Teeth—Length Head 14¼ Inches

The sturdy dependable rake for garden, lawn, or yard. Forged from one solid piece of steel. Plain ferrule. Gold bronzed head and ferrule. Teeth ¾ inches. Length handle 5 feet.

AB GC14—Weight per dozen 34 lbs.....Each \$1.00

BRUME RAKE



22 Flexible Spring Teeth

Used like a broom for sweeping lawns, gravel paths and garden plots. Light weight, strong, durable.

The flexible flat spring teeth are shaped and twisted for additional strength. An easy sweeping motion picks up the smallest leaves but does not tear the grass roots. Gold bronzed head and teeth. Width 19 inches. Teeth 12 inches long. Length handle 3½ feet.

AB GCBR22—Weight per dozen 18 lbs.....Each \$1.10

SHOVEL



OVAL POINTED BLADE

Just the tool for garden shoveling and spading tasks. Blade forged from high-grade steel, and oval pointed for easy working in the soil. Polished and bronzed blade 8 inches deep, 5¼ inches wide. Bronzed ferrule. Length handle 4¾ feet.

AB GCS—Weight per dozen 25 lbs.....Each \$1.10

Three assorted handle colors packed two of each color in one-half dozen bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

GARDEN TOOLS

These tools are a big step toward a successful garden.
Their high quality assures long life and satisfactory service.

GARDEN TROWELS

KEEN KUTTER

The highest quality trowel that money can buy. The brand preferred by gardeners everywhere.

High-grade forged steel blade neck and socket. Dished blade with pointed end—length 6 inches, width at top 3¼ inches. Solid ground neck will stand great strain. Both blade and neck are highly polished—slip smoothly and easily into earth. The shellacked, hardwood handle 3½ inches long, securely riveted into closed socket.

SOCKET PATTERN



Bent Neck
Conveniently raises earth without hand touching ground. Handy for planting and digging under small plants.

Length of neck and socket 4½ inches.

AB K2—Weight per dozen 9 lbs. Each \$0.98



Straight Neck
For digging deep, straight holes. Length neck and socket 3½ inches.

AB K3—Weight per dozen 8½ lbs. Each \$0.98

One-half dozen in a carton.

SIMMONS



ENGLISH PATTERN
Economy "buy" in a well-made trowel.

One-piece, dished blade and slightly bent neck. Rounded and sharpened point, for easier digging. . . half of blade and neck black lacquered, other half polished. Length blade 6 inches; width at point 1½ inches; width at shoulder 3½ inches. Hand-turned, polished hardwood handle, length 8 inches. Length over all 14½ inches.

AB S15—Weight per dozen 6 lbs. Each \$0.25

One dozen in a carton.

GARDEN WEEDERS



KEEN KUTTER ADJUSTABLE THREE-PRONG

Handy for weeding between plants and small bushes.

High-grade square steel bent prongs, with forged blade at ends, malleable iron frame and socket. Prongs can be removed or adjusted by loosening bolts. Smooth belted and waxed ash handle.

Extreme spread 4¼ inches. Length head 5¼ inches, height 4 inches, length handle 8 inches. Length over all 14 inches.

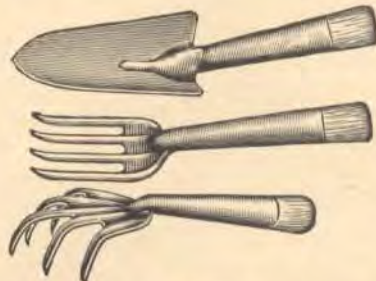
AB KW—Weight per dozen 10 lbs. Each \$0.65

One-half dozen in a bundle.

New style implements for faster, easier garden cultivation.

All made of 18-gauge, low-carbon, rust-resisting steel of much higher quality than ordinarily used in garden tools. Large wood caps on the end of handles protect user's hands. Metal light green enameled finish, handle tips natural finish.

GARDEN TOOL SETS



Set Consists of:

1 garden trowel No. AB 11—11¼ inches long.

1 garden fork No. AB 60—11 inches long.

1 garden weeder No. AB 6—10½ inches long.

AB 611—Set. Weight per dozen sets

16 lbs. Per Set \$0.25

One set in a carton. Two dozen sets in a case.

TRANSPLANTING TROWELS



A slender, narrow, pointed tool made just right to penetrate the soil easily

for planting or lifting out small plants.

One-piece blade and socket.

Length blade 5¼ inches, width at heel 2¼ inches, tapering to point. Length over all 11¼ inches.

AB 111—Weight per dozen 5½ lbs. Each \$0.10

GARDEN FORKS



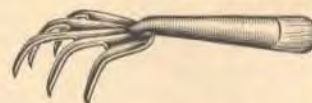
A handy home garden tool for loosening the soil around plants.

One-piece head and socket. Four prongs.

Size of head 3x4½ inches. Length prongs 3¼ inches. Length over all 11 inches.

AB 60—Weight per dozen 5½ lbs. Each \$0.10

GARDEN WEEDERS



The home gardener's handy helper for weeding and mulching around young bushes and plants in the garden or in window boxes.

One-piece head and socket. Five sharp claws.

Size of head 3x4½ inches. Length claws 1½ inches. Length over all 10½ inches.

AB 6—Weight per dozen 5½ lbs. Each \$0.10

GARDEN TROWELS



A large, strong tool for hand spading and planting.

One-piece blade and socket.

Length blade 6 inches, width at heel 3¼ inches, tapering to point. Length over all 11¼ inches.

AB 11—Weight per dozen 6 lbs. Each \$0.10

One dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER SHOVELS AND SPADES

America's Finest

Design of these outstanding tools is one of extreme strength. They have the proper lift and balance. The successive forging operations improve the molecular structure of the high carbon steel which is **full heat treated**, resulting in the strongest type of shovel or spade known.

Quality—KEEN KUTTER is never satisfied with anything but the best. Each shovel or spade as it passes from one operation to the next in the forging process is subjected to the most rigid tests and inspection. Only those that pass every requirement are branded KEEN KUTTER.

Handles—these quality shovels and spades are fitted with select second growth straight grained ash handles, polished, waxed and labeled. The distinctive KEEN KUTTER trade mark is stamped on the socket. It is your assurance that you are getting the most for your money when you buy these tools.

Choose the types to suit your particular requirements and be assured that they will give you the maximum of service and efficiency.

DIRT SHOVELS

SOLID SHANK, FORGED SOCKET PATTERN

The strongest possible shovel construction. Blade, shank, and socket forged from a solid bar of steel. Nothing to break loose—it's all one piece. Offers greatest resistance to strain.

HIGH CARBON STEEL, FULL HEAT TREATED, FULL MIRROR POLISHED



**SQUARE POINT—LIGHT WEIGHT
HEAVY STEEL D, LARGE WOOD GRIP**

No.	Each	Blade, Inches	Length Handle, Inches	Weight Doz., Lbs.
AB KDST2S	\$1.95	12½x9¾	26½	48

Repair Handle No. AB SSSSD Series



**ROUND POINT—LIGHT WEIGHT
HEAVY STEEL D, LARGE WOOD GRIP**

No.	Each	Blade, Inches	Length Handle, Inches	Weight Doz., Lbs.
AB KDRT2S	\$1.95	12½x8¾	26½	48

Repair Handle No. AB SSSSD Series



**SQUARE POINT—LIGHT WEIGHT
LONG HANDLE**

No.	Each	Blade, Inches	Length Handle, Inches	Weight Doz., Lbs.
AB KLST2S	\$1.95	12x9½	46½	48

Repair Handle Nos. AB SSSSL, AB LSSK Series



**ROUND POINT—LIGHT WEIGHT
LONG HANDLE**

No.	Each	Blade, Inches	Length Handle, Inches	Weight Doz., Lbs.
AB KLRT2S	\$1.95	12x9¼	46½	48

Repair Handle Nos. AB SSSSL, AB LSSK Series



**SQUARE POINT—REGULAR WEIGHT
LONG HANDLE**

No.	Each	Blade, Inches	Length Handle, Inches	Weight Doz., Lbs.
AB KLSHT2	\$1.95	12x9¾	51	61

Repair Handle No. AB SSSSL Series



**ROUND POINT—REGULAR WEIGHT
LONG HANDLE**

No.	Each	Blade, Inches	Length Handle, Inches	Weight Doz., Lbs.
AB KLRHT2	\$1.95	12x9½	51	56

Repair Handle No. AB SSSSL Series

HIGH CARBON STEEL, FULL HEAT TREATED, VELVET FINISH



**SQUARE POINT—LIGHT WEIGHT
HEAVY STEEL D, LARGE WOOD GRIP**

No.	Each	Blade, Inches	Length Handle, Inches	Weight Doz., Lbs.
AB KDST2T	\$1.89	12½x9¾	26½	48

Repair Handle No. AB SSSSD Series



**ROUND POINT—LIGHT WEIGHT
LONG HANDLE**

No.	Each	Blade, Inches	Length Handle, Inches	Weight Doz., Lbs.
AB KLT2RT	\$1.89	12½x9¼	46½	48

Repair Handle Nos. AB SSSSL, AB LSSK Series

One-half dozen in a bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER SHOVELS

AMERICA'S FINEST

DIRT SHOVELS

SOCKET STRAP PATTERN
HIGH CARBON STEEL, FULL HEAT TREATED
FULL MIRROR POLISHED



SQUARE POINT
HEAVY STEEL D, LARGE WOOD GRIP

Nos.	Each	Blade, In.	Length	Wt. per
			Handle, In.	Dozen, Lbs.
REGULAR WEIGHT				
AB KDS2	\$1.95	11 5/8 x 9 3/8	26 1/2	58
LIGHT WEIGHT				
AB KDSL2	1.95	11 5/8 x 9 3/8	26 1/2	54

Repair handle Nos. AB KSS, AB DK, AB SD series.



SQUARE POINT
LONG HANDLE

Nos.	Each	Blade, In.	Length	Wt. per
			Handle, In.	Dozen, Lbs.
REGULAR WEIGHT				
AB KLS2	\$1.95	11 5/8 x 9 3/8	51	64
LIGHT WEIGHT				
AB KL2SL2	1.95	11 5/8 x 9 3/8	51	60

Repair handle Nos. AB KSL, AB SSL, AB LK series.



ROUND POINT—REGULAR WEIGHT
HEAVY STEEL D, LARGE WOOD GRIP

No.	Each	Blade, In.	Length	Wt. per
			Handle, In.	Dozen, Lbs.
AB KDR2	\$1.95	11 3/4 x 8 1/2	26 1/2	56

Repair handle Nos. AB KSS, AB DK, AB SD series.



ROUND POINT
LONG HANDLE

Nos.	Each	Blade, In.	Length	Wt. per
			Handle, In.	Dozen, Lbs.
REGULAR WEIGHT				
AB KLR2	\$1.95	11 3/4 x 9 1/4	51	64
LIGHT WEIGHT				
AB KLRL2	1.95	11 3/4 x 9 1/4	51	58
FEATHERWEIGHT				
AB KLLR2*	1.95	11 1/2 x 9	48	48

* Has top knob handle.

Repair handle Nos. AB KSL, AB SSL, AB LK series.

One-half dozen in a bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

RICE SHOVELS

HIGH CARBON STEEL, FULL HEAT TREATED
FULL MIRROR POLISHED

Exceptionally strong and capable of tremendous leverage. Favored by rice farmers to clean out the old and dig new ditches and keep a uniform water level in the fields. Blades have three 3/8-inch perforations to drain off water and lighten the load. Designed with extra lift and balance that makes them extremely handy to use



Solid Shank—Forged Socket Pattern
BLUNT POINT—FEATHERWEIGHT

No.	Each	Blade, In.	Length	Wt. per
			Handle, In.	Dozen, Lbs.
LONG HANDLE				
AB KBPR2T	\$1.98	10 1/4 x 9	48	48

Repair handle Nos. AB SSSSL, AB LSSK series.



Solid Socket Pattern

ROUND POINT
LONG HANDLE

Nos.	Each	Blade, In.	Length	Wt. per
			Handle, In.	Dozen, Lbs.
AB KRPR1	\$2.29	10 1/4 x 8 1/4	51	56
AB KRPR2	2.29	11 1/4 x 9 1/8	51	61

Repair handle No. AB SML series.

One-half dozen in a bundle.

CAMPERS OR FLORAL SHOVELS



KEEN KUTTER

Shank Pattern

OVAL POINT

Designed to meet the needs of campers and gardeners. For campers it is compact and readily fits into the trailer equipment. It also fills the requirements for an all-around garden tool.

Blade forged from one-piece high carbon steel, carefully oil tempered and taper rolled with a thick center. Top is turned over 1/2 inch, providing a flat step. One-third polished, the balance finished in a brilliant gold bronze. Tubular brown ferrule 8 inches long with bronze cap. Beautifully finished gloss handle. Handle length 40 inches.

No.	Each	Blade, Ins.	Length	Wt.
			Over All, Ins.	Per Doz., Lbs.
AB KC100L	\$1.00	8x5 3/4	48	35

One-half dozen in a bundle.

IRRIGATING SHOVELS

Solid Shank—Forged Socket Pattern

HIGH CARBON STEEL, FULL HEAT TREATED
FULL MIRROR POLISHED

Will lighten digging work tremendously. Made with the right blade shape and size, the proper lift, correct handle and grip for hard digging and handling of materials. Round points slip easily into soil and release freely. Long handles provide greater leverage and prevent back strain.



ROUND POINT — LIGHT WEIGHT
LONG HANDLE

With Round Corner Riveted Steel Step

Regular irrigating lift 4½ inches.

No.	Each	Blade, In.	Length Handle, In.	Wt. per Dozen, Lbs.
AB KIT14½RS	\$2.10	11x8	47	48

Repair handle Nos. AB SSSSL, AB LSSK series.



ROUND POINT — LIGHT WEIGHT
LONG HANDLE

Regular irrigating lift 4½ inches.

Nos.	Each	Blade, In.	Length Handle, In.	Wt. per Dozen, Lbs.
AB KIT1S4½	\$1.95	11x8	47	48
AB KIT2S4½	1.95	11½x8¾	47	49

Repair handle Nos. AB SSSSL, AB LSSK series.
One-half dozen in a bundle.

MINERS' SHOVELS

Solid Shank, Forged Socket Pattern

HIGH CARBON STEEL, FULL HEAT TREATED
FULL MIRROR POLISHED



SHALLOW DISH SPRING BLADE
ROUND POINT — STANDARD WEIGHT
LONG HANDLE

Fitted with extra select second growth, straight grained ash handles, polished and lacquered.

No.	Each	Blade, In.	Length Handle, In.	Wt. per Dozen, Lbs.
AB KHST2	\$1.95	11¾x9	56	56

Repair handle No. AB SSSSL, AB LSSK series.

MOULDERS' SHOVELS

Solid Shank, Forged Socket Pattern

HIGH CARBON STEEL, FULL HEAT TREATED
FULL MIRROR POLISHED



FEATHERWEIGHT
HEAVY STEEL D, LARGE WOOD GRIP

For hand tamping and handling sand, these shovels are leaders in the field. They are designed with a blade which carries just the right load, with a lift the moulder likes and with handle and grip to feel right in his hand. Fitted with extra select second growth straight grained ash handles, polished and waxed.

No.	Each	Blade, In.	Length Handle, In.	Wt. per Dozen, Lbs.
AB KMD2	\$1.95	12x10	26½	59

Repair handle No. AB SSSSD series.
One-half dozen in a bundle.

SPECIAL PACKING FOR KEEN KUTTER SHOVELS AND SPADES



KEEN KUTTER shovels and spades are wrapped in heavy paper to protect them from rust and dust. As an additional protection the bundle is also covered with a white cotton bag—this insures clean, salable goods.

The handles on KEEN KUTTER and SIMMONS shovels are individually wrapped in paper tubes.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

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KEEN KUTTER SPADES

AMERICA'S FINEST

Here are spades of many types, all made for lasting service. Forged from high carbon steel, full heat treated and polished. Handles are select second growth straight grained ash, polished, waxed and labeled. Choose the types best suited to your particular requirements and save by buying the best.

**SOLID SHANK—FORGED SOCKET PATTERN
HIGH CARBON STEEL, FULL HEAT TREATED
FULL MIRROR POLISHED**



**IOWA PATTERN—ROUND POINT
HEAVY STEEL D, LARGE WOOD GRIP**

No.	Each	Blade, In.	Length		Wt. per Dozen, Lbs.
			Handle, In.	Dozen, Lbs.	
AB KIP2	\$2.10	13x5 $\frac{7}{8}$	30	60	

Repair handle No. AB SSSSD30 series.



**LIGHT WEIGHT
HEAVY STEEL D, LARGE WOOD GRIP**

No.	Each	Blade, In.	Length		Wt. per Dozen, Lbs.
			Handle, In.	Dozen, Lbs.	
AB KCDT2S	\$1.95	12x7 $\frac{1}{4}$	26 $\frac{1}{2}$	48	

Repair handle No. AB SSSSD series.

**SOCKET STRAP PATTERN
HIGH CARBON STEEL, FULL HEAT TREATED**



**LUTHER BURBANK PATTERN
With Riveted Steps
FULL POLISHED BLADE
HEAVY STEEL D, LARGE WOOD GRIP**

Digging up shrubbery and trees calls for a good deal of prying to loosen stubborn roots—that's where this shovel shows its strength.

No.	Each	Blade, In.	Length		Wt. per Dozen, Lbs.
			Handle, In.	Dozen, Lbs.	
AB KBS2	\$2.10	12 $\frac{1}{2}$ x6 $\frac{1}{2}$	30	52	

Repair handle Nos. AB KSSS, AB SSD series.
One-half dozen in a bundle.

A New
**KEEN KOOKER CAST
IRON RANGE**

Will Give You
Better, Faster Cooking

**SOCKET STRAP PATTERN
HIGH CARBON STEEL, FULL HEAT TREATED
FULL MIRROR POLISHED**



**REGULAR PATTERN—SQUARE POINT
HEAVY STEEL D, LARGE WOOD GRIP**

No.	Each	Blade, Inches			Length Handle, In.	Wt. per Doz., Lbs.
		Bottom	Top	Length		
AB KSD2	\$1.95	6 $\frac{7}{8}$	7 $\frac{1}{8}$	11 $\frac{7}{8}$	26	68

Repair handle Nos. AB KSSS, AB SSD series.



**REGULAR PATTERN—SQUARE POINT
LONG HANDLE**

No.	Each	Blade, Inches			Length Handle, In.	Wt. per Doz., Lbs.
		Bottom	Top	Length		
AB KSL2	\$1.95	6 $\frac{7}{8}$	7 $\frac{1}{8}$	11 $\frac{7}{8}$	51	70

Repair handle No. AB SSL series.



**IOWA PATTERN—ROUND POINT
HEAVY STEEL D, LARGE WOOD GRIP**

No.	Each	Blade, In.	Length		Wt. per Dozen, Lbs.
			Handle, In.	Dozen, Lbs.	
AB KSR2	\$2.10	12 $\frac{1}{2}$ x6 $\frac{3}{4}$	30	56	

Repair handle Nos. AB KSSS, AB SV34 series.



**IOWA PATTERN—ROUND POINT
LONG HANDLE**

No.	Each	Blade, In.	Length		Wt. per Dozen, Lbs.
			Handle, In.	Dozen, Lbs.	
AB KSLR2	\$1.95	12 $\frac{1}{2}$ x6 $\frac{3}{4}$	51	56	

Repair handle No. AB SSL series.
One-half dozen in a bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SIMMONS SHOVELS

Economical! Dependable!

Save money and lighten your hand labor tasks! Will give long service. Designed with the proper lift and balance for ease in handling. Second only to *KEEN KUTTER* in quality. Every one made of high carbon steel, full heat treated and tested. They look well and wear well. All fitted with select grade ash handles, polished, waxed and labeled.

SOLID SHANK, FORGED SOCKET PATTERN
HIGH CARBON STEEL, FULL HEAT TREATED
POLISHED FRONT, VELVET OR SATIN BACK



LIGHT WEIGHT—SQUARE POINT
HEAVY STEEL D, LARGE WOOD GRIP

No.	Each	Blade, Ins.	Length Handle, Ins.	Wt. per Dozen, Lbs.
AB SDST2	\$1.89	12½ x 9¾	26½	48

Repair handle No. AB SSSSD series.



LIGHT WEIGHT—SQUARE POINT
LONG HANDLE

No.	Each	Blade, Ins.	Length Handle, Ins.	Wt. per Dozen, Lbs.
AB SLT2S	\$1.89	12½ x 9¾	46½	48

Repair handle Nos. AB SSSSL, AB LSSK series.



LIGHT WEIGHT—ROUND POINT
HEAVY STEEL D, LARGE WOOD GRIP

No.	Each	Blade, Ins.	Length Handle, Ins.	Wt. per Dozen, Lbs.
AB SDRT2	\$1.89	12½ x 8¾	26½	48

Repair handle No. AB SSSSD series.



LIGHT WEIGHT—ROUND POINT
LONG HANDLE

No.	Each	Blade, Ins.	Length Handle, Ins.	Wt. per Dozen, Lbs.
AB SLT2R	\$1.89	11½ x 8¾	46½	48

Repair handle Nos. AB SSSSL, AB LSSK series.

One-half dozen in a bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SOCKET STRAP PATTERN

HIGH CARBON STEEL, FULL HEAT TREATED
POLISHED FRONT, VELVET OR SATIN BACK



FEATHERWEIGHT—SQUARE POINT
HEAVY STEEL D, LARGE WOOD GRIP

No.	Each	Blade, Ins.	Length Handle, Ins.	Wt. per Dozen, Lbs.
AB SSDST2	\$1.89	11½ x 9¾	26½	51

Repair handle No. AB SD series.



FEATHERWEIGHT—SQUARE POINT
LONG HANDLE

No.	Each	Blade, Ins.	Length Handle, Ins.	Wt. per Dozen, Lbs.
AB SLLST2	\$1.89	11½ x 9¾	48	54

Repair handle Nos. AB SLL, AB LK series.



ROUND POINT—LONG HANDLE

Nos.	Each	Blade, Ins.	Length Handle, Ins.	Wt. per Dozen, Lbs.
AB SSLRT2	\$1.89	11¾ x 9½	51	60

REGULAR WEIGHT

AB SSLRT2	\$1.89	11¾ x 9½	51	60
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FEATHERWEIGHT

AB SLLRT2	1.89	11½ x 9	48	51
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Repair handle Nos. AB SL, AB SLL, AB LK series.

One-half dozen in a bundle.

KEEN KUTTER
FILES
WORK SMOOTHLY
and
QUICKLY

SIMMONS SHOVELS AND SPADES

You will save money and lighten your digging and spading labor when you use these fine quality tools. They last longer and do more efficient work than ordinary spades. Choose the type you need for your particular work. It pays to buy the right tool and you'll be properly equipped with **SIMMONS**. Second only to **KEEN KUTTER** in quality. Every one made of high carbon steel and fitted with select grade long lasting ash handles, waxed and labeled.

CONCRETE SHOVELS

Solid Shank, Forged Socket Pattern
HIGH CARBON STEEL, FULL HEAT TREATED
BLACK FINISH



HEAVY STEEL D, LARGE WOOD GRIP

The blades of these shovels are 15-gauge steel, which makes them ideal for handling concrete, gravel, sand and other heavy materials. Workmen like it because it will not break where blade joins the shank. The blade lift is 6½ inches, handle lift 18 inches.

No.	Each	Blade, Ins.	Length Handle, Ins.	Wt. per Dozen, Lbs.
AB SCD4B	\$1.89	11x13	27	63

Repair handle No. AB SSSSD series.

IRRIGATING SHOVELS

Solid Shank, Forged Socket Pattern
HIGH CARBON STEEL, FULL HEAT TREATED
POLISHED FRONT, VELVET OR SATIN BACK



ROUND POINT
LIGHT WEIGHT—LONG HANDLE

Regular Irrigating Lift 4½ Inches.

Nos.	Each	Blade, Ins.	Length Handle, Ins.	Wt. per Dozen, Lbs.
AB SIT14½	\$1.89	11x8	47	48
AB SIT24½	1.95	11½x8¾	47	49

Repair handle Nos. AB SSSSL, AB LSSK series.

RICE SHOVELS

Solid Shank, Forged Socket Pattern
HIGH CARBON STEEL, FULL HEAT TREATED
POLISHED FRONT, VELVET OR SATIN FINISH BACK



FEATHERWEIGHT
BLUNT POINT—LONG HANDLE

Makes rice cultivation an easier task! Specially designed with three ⅝-*inch* perforations in blade to drain off water and lighten load. Lift and balance of this shovel makes it extremely handy to use, and effective for cleaning out ditches.

No.	Each	Blade, Ins.	Length Handle, Ins.	Wt. per Dozen, Lbs.
AB SBPR2T	\$1.89	10¼x9	48	48

Repair handle Nos. AB SSSSL, AB LSSK series.
One-half dozen in a bundle.

Solid Shank, Forged Socket Pattern
HIGH CARBON STEEL, FULL HEAT TREATED
POLISHED FRONT, VELVET OR SATIN BACK



LIGHT WEIGHT — SQUARE POINT
HEAVY STEEL D, LARGE WOOD GRIP

No.	Each	Blade, Inches	Length per Handle, In.	Wt. per Dozen, Lbs.
AB SCDT2	\$1.89	12x7¼	26½	48

Repair handle No. AB SSSSD series.

IOWA PATTERN

This type of spade is preferred by potato growers and gardeners for digging efficiency and easy handling.



ROUND POINT
HEAVY STEEL D, LARGE WOOD GRIP

No.	Each	Blade, Inches	Length per Handle, In.	Wt. per Dozen, Lbs.
AB SR12	\$1.98	12½x6¾	30	56

Repair handle No. AB SV34 series.



ROUND POINT — LONG HANDLE

No.	Each	Blade, Inches	Length per Handle, In.	Wt. per Dozen, Lbs.
AB SRIL2	\$1.89	12½x6¾	51	56

Repair handle No. AB SSL series.
One-half dozen in a bundle.

Go Modern
Now...

Install

SIMMONS
LIGHTING
FIXTURES

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SIMMONS SPADES

Economical! Dependable!

Digging post holes and ditches and cleaning out drains requires long slender bladed tools with good cutting edges. These are fine tools for this work, and will give lasting service.

DRAIN SPADES

Solid Shank, Forged Socket Pattern
HIGH CARBON STEEL, FULL HEAT TREATED
POLISHED FRONT, VELVET OR SATIN BACK



HEAVY STEEL D, LARGE WOOD GRIP

Concave tapering blade, sharpened on both sides and points. Turn-back top step. Spread at step 5½ inches, at point 4¼ inches.

Nos.	Each	Blade, Inches	Length per Handle, Doz.,		Wt. Lbs.
			In.	Lbs.	
AB SDT14	\$1.98	14	27	60	
AB SDT16	2.09	16	27	63	

Repair handle No. AB SSSSD series.

ALL BLACK BLADE

AB ST16B	\$1.89	16	27	64	
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Repair handle No. AB SSSSD series.

Socket Strap Pattern

FORGED HIGH CARBON STEEL
POLISHED FRONT, VELVET OR SATIN BACK



HEAVY STEEL D, LARGE WOOD GRIP

Concave tapering blade, sharpened on both sides and points. Regular flat step on top edge of blade. Spread at step 5½ inches, at point 4½ inches.

Nos.	Each	Blade, Inches	Length per Handle, Doz.,		Wt. Lbs.
			In.	Lbs.	
AB SD14	\$1.98	14	27½	48	
AB SD16	2.09	16	27½	50	
AB SD18	2.19	18	27½	54	

Repair handle Nos. AB S146S, AB KSPP series.
One-half dozen in a bundle.

POST OR DITCHING SPADES

Digging ditches and post holes requires long, slender-bladed tools with good cutting edges. These spades will give efficient service and last a long time.

Solid Shank, Forged Socket Pattern

HIGH CARBON STEEL, FULL HEAT TREATED
POLISHED FRONT, VELVET OR SATIN BACK



HEAVY STEEL D, LARGE WOOD GRIP

Concave tapering blade, sharpened on both sides and points. Turn-back top step. Spread at step 5½ inches, at point 6 inches.

Nos.	Each	Blade, Inches	Length per Handle, Doz.,		Wt. Lbs.
			In.	Lbs.	
AB SPT14	\$1.98	14	27	60	
AB SPT16	2.09	16	27	63	

Repair handle No. AB SSSSD series.

Socket Strap Pattern

HIGH CARBON STEEL, FULL HEAT TREATED
POLISHED FRONT, VELVET OR SATIN BACK



SPECIAL ANDERSON PATTERN HEAVY STEEL D, LARGE WOOD GRIP

Plain back construction. Straps electrically welded to blade. Special round corners. Tennon steps.

Nos.	Each	Blade, Inches	Length per Handle, Doz.,		Wt. Lbs.
			In.	Lbs.	
AB SPA14	\$1.98	6x14	27	50	
AB SPA16	2.09	6x16	27	52	
AB SPA18	2.19	6x18	27	54	

Repair handle No. AB KSPP series.

Socket Strap Pattern

FORGED HIGH CARBON STEEL
POLISHED FRONT, VELVET OR SATIN BACK



HEAVY STEEL D, LARGE WOOD GRIP

Concave tapering blade, sharpened on both sides and points. Regular flat step on top edge of blade. Spread at step 5½ inches, at point 6 inches.

Nos.	Each	Blade, Inches	Length per Handle, Doz.,		Wt. Lbs.
			In.	Lbs.	
AB SPD14	\$1.98	14	27½	51	
AB SPD16	2.09	16	27½	55	
AB SPD18	2.19	18	27½	58	

Repair handle No. AB KSPP series.

One-half dozen in a bundle.

Keep Young and Fit

RIDE A

SIMMONS

BANNER or DELMAR

BIKE

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KLICKEr SHOVELS

You Can't Buy Better Shovels for the Money!

DIRT SHOVELS

Solid Shank—Forged Socket Pattern

Exceptionally strong construction! Blade shank and socket are forged from a solid bar of steel. Nothing to break loose because it's all one piece. Improved bend, designed for perfect balance and easier handling.

Special analysis steel blades, heat treated to make them unbreakable, offers greatest resistance to shocks and strains. Sturdy smooth belted ash handles.

CARBON STEEL

BLACK FINISH BLADE, WITH POLISHED SOCKET



SQUARE POINT
HEAVY STEEL D, LARGE WOOD GRIP

No.	Each	Size	Blade, Ins.	Length Hdle., Ins.	Wt. Per Doz., Lbs.
AB 2DSK	\$1.49	2	9 $\frac{5}{8}$ x 12	26 $\frac{1}{2}$	52

Repair handle No. AB SSSSD series.



SQUARE POINT
LONG HANDLE

No.	Each	Size	Blade, Ins.	Length Hdle., Ins.	Wt. Per Doz., Lbs.
AB 2LSK	\$1.49	2	9 $\frac{5}{8}$ x 12	51	54

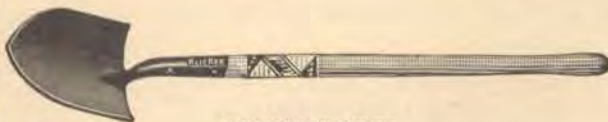
Repair handle Nos. AB LSSK, AB SSL series.



ROUND POINT
HEAVY STEEL D, LARGE WOOD GRIP

No.	Each	Size	Blade, Ins.	Length Hdle., Ins.	Wt. Per Doz., Lbs.
AB 2DRK	\$1.49	2	8 $\frac{3}{4}$ x 11 $\frac{3}{8}$	26 $\frac{1}{2}$	49

Repair handle No. AB SSSSD series.



ROUND POINT
LONG HANDLE

No.	Each	Size	Blade, Ins.	Length Hdle., Ins.	Wt. Per Doz., Lbs.
AB 2LRK	\$1.49	2	8 $\frac{3}{4}$ x 11 $\frac{3}{8}$	47	51

Repair handle Nos. AB LSSK, AB SSL series.
One-half dozen in a bundle.

DIRT SHOVELS

Plain Back Pattern

These plain back shovels are much stronger and much more dependable than the ordinary shovel in this price range. Yet they are light and easy to handle and will give satisfactory service.

Made of high carbon steel with sturdy, smooth belted ash handles.

CARBON STEEL
BLACK FINISH BLADE



SQUARE POINT
HEAVY STEEL D, LARGE WOOD GRIP

No.	Each	Size	Blade, Ins.	Length Hdle., Ins.	Wt. Per Doz., Lbs.
AB DS2KB	\$1.49	2	11 $\frac{1}{8}$ x 9 $\frac{3}{8}$	26 $\frac{1}{2}$	56

Repair handle Nos. AB DK, AB SD series.



SQUARE POINT
LONG HANDLE

No.	Each	Size	Blade, Ins.	Length Hdle., Ins.	Wt. Per Doz., Lbs.
AB LS2KB	\$1.49	2	11 $\frac{1}{8}$ x 9 $\frac{3}{8}$	51	54

Repair handle Nos. AB LK, AB SL series.



ROUND POINT
HEAVY STEEL D, LARGE WOOD GRIP

No.	Each	Size	Blade, Ins.	Length Hdle., Ins.	Wt. Per Doz., Lbs.
AB DR2KB	\$1.49	2	11 $\frac{1}{8}$ x 8 $\frac{1}{2}$	26 $\frac{1}{2}$	53

Repair handle Nos. AB DK, AB SD, AB KSS series.



ROUND POINT
LONG HANDLE

Nos.	Each	Size	Blade, Ins.	Length Hdle., Ins.	Wt. Per Doz., Lbs.
AB LLR2KB	\$1.49	2	11 $\frac{1}{8}$ x 8 $\frac{3}{4}$	48	48

Nos.	Each	Size	Blade, Ins.	Length Hdle., Ins.	Wt. Per Doz., Lbs.
AB LR2KB	1.49	2	11 $\frac{1}{8}$ x 9 $\frac{1}{4}$	51	52

Repair handle Nos. AB SL, AB SSL, AB LK series.
One-half dozen in a bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KLICKEr SHOVELS AND SPADES

Serviceable Shovels and Spades at a Thrifty Price!

DIRT SHOVELS

Socket Shank Pattern

Your best buy in the medium price field! Has proper weight and balance for easier shoveling.

Socket shank and blade forged from one piece carbon steel, heat treated for long service. Rolled shoulder strengthens blade and makes a convenient shoveling step. Has patented shock band to protect wood. Selected northern ash handle, sanded and waxed. End of handle and shock band painted black.

BLACK LACQUERED BLADE, POLISHED SOCKET



**LIGHT WEIGHT — SQUARE POINT
HEAVY STEEL D — LARGE WOOD GRIP**

No.	Each	Size	Blade, Inches	Length per Handle, Doz., In.	Wt. Lbs.
AB DHSK	\$1.39	2 11 3/4 x 9 5/8	26 1/2	52	

Repair handle No. AB DHK series.



**FEATHERWEIGHT — SQUARE POINT
LONG HANDLE**

No.	Each	Size	Blade, Inches	Length per Handle, Doz., In.	Wt. Lbs.
AB LHSK	\$1.39	2 11 3/4 x 9 5/8	48	52	

Repair handle No. AB 4K series.



**LIGHT WEIGHT — ROUND POINT
HEAVY STEEL D, LARGE WOOD GRIP**

No.	Each	Size	Blade, Inches	Length per Handle, Doz., In.	Wt. Lbs.
AB DHRK	\$1.39	2 11 7/8 x 8 7/8	26 1/2	50	

Repair handle No. AB DHK series.



**FEATHERWEIGHT — ROUND POINT
LONG HANDLE**

No.	Each	Size	Blade, Inches	Length per Handle, Doz., In.	Wt. Lbs.
AB LHRK	\$1.39	2 11 7/8 x 8 7/8	48	50	

Repair handle No. AB 4K series.
One-half dozen in a bundle.

SPADES

Handy spades for general use around farm, garden, barn or nursery.

Forged from one piece of carbon steel, with convenient turned step. Fitted with medium grade ash handles, smooth belted.

Plain Back Pattern

BLACK FINISH



**HEAVY STEEL D,
LARGE WOOD GRIP**

No.	Each	Blade, Inches	Length per Handle, Doz., In.	Wt. Lbs.
AB 2SDKB	\$1.49	12 x 7 1/4	27	68

Repair handle Nos. AB DK, AB SSD series.



LONG HANDLE

No.	Each	Blade, Inches	Length per Handle, Doz., In.	Wt. Lbs.
AB 2SLKB	\$1.49	12 1/4 x 7 1/2	52	70

Repair handle Nos. AB SCL, AB SSL series.

Solid Shank — Forged Socket Pattern

CARBON STEEL

BLACK FINISH



HEAVY STEEL D — LARGE WOOD GRIP

Black finish blade with polished socket.

No.	Each	Blade, Inches	Length per Handle, Doz., In.	Wt. Lbs.
AB 2DK	\$1.49	7 1/4 x 11 3/8	26 1/2	54

Repair handle No. AB SSSSD series.
One-half dozen in a bundle.

GARDEN SPADES



**HOLLOW BACK
PATTERN
BLACK FINISH**

Fitted with smooth belted ash handle, steel D, with wood grip. One-piece carbon steel blade and socket.

No.	Each	Blade, Inches	Length per Handle, Doz., In.	Wt. Lbs.
AB 2K	\$0.89	7 x 12	26 1/2	52

Repair handle No. AB S142S series.
One-half dozen in a bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

Klicker IRRIGATING SHOVELS

Socket Shank Pattern

Your best buy in the medium price field! Has proper weight and balance for easier shoveling.

Socket shank and blade forged from one-piece carbon steel, heat treated for long service. Rolled shoulder strengthens blade and makes a convenient shoveling step. Has patented shock band to protect wood. Selected northern ash handle, sanded and waxed. End of handle and shock band painted black.

**CARBON STEEL — HEAT TREATED
BLACK LACQUERED BLADE — POLISHED SOCKET**



**LIGHT WEIGHT — ROUND POINT
LONG HANDLE**

Regular irrigating lift 4½ inches. Shock band and handle end painted black.

Nos.	Each	Size	Blade, Inches	Length per Handle, In.	Wt. per Doz., Lbs.
AB 1L4½K	\$1.49	2	11x8	47	48
AB 2L4½K	1.49	2	11x8¾	47	49

Repair handle No. AB 4K series.
One-half dozen in a bundle.

Solid Shank—Forged Socket Pattern

Exceptionally strong construction! Blade shank and socket are forged from a solid bar of steel. Nothing to break loose because it's all one piece. Improved bend, designed for perfect balance and easier handling.

Special analysis steel blades, heat treated to make them unbreakable, offers greatest resistance to shocks and strains. Sturdy smooth belted ash handles.

**CARBON STEEL—BLACK FINISH BLADE WITH
POLISHED SOCKET**



**ROUND POINT—LIGHT WEIGHT
LONG HANDLE**

Regular irrigating lift 4½ inches. Sturdy smooth belted ash handles.

No.	Each	Size	Blade, Ins.	Length Per Hdle., Ins.	Wt. Per Doz., Lbs.
AB 2/4½K	\$1.49	2	11½x8¾	47	63

Repair handle Nos. AB LSSK, AB SSL series.
One dozen in a bundle.

PENNANT SHOVELS

An amazing value in hollow back shovels! They have the features you want—standard quality and long service, at a low price! Turned over top edge and ridge in center of blade gives extra strength.

Hollow Back Pattern

Steel blade and socket made from one piece of regular quality shovel steel. Smooth finished ash handles.

BLACK BLADE—POLISHED SOCKET



**ROUND POINT
HEAVY STEEL D,
LARGE WOOD GRIP**

No.	Each	Blade, In.	Length Handle, In.	Wt. per Dozen, Lbs.
AB PDR	\$0.89	8½x11½	26	45

Repair handle No. AB S142S series.
One-half dozen in a bundle.



ROUND POINT—LONG HANDLE

No.	Each	Blade, In.	Length Handle, In.	Wt. per Dozen, Lbs.
AB PLR	\$0.89	8½x11½	46	48

Repair handle Nos. AB SCL, AB SSL series.
One-half dozen in a bundle.



**SQUARE POINT
HEAVY STEEL D,
LARGE WOOD GRIP**

No.	Each	Blade, In.	Length Handle, In.	Wt. per Dozen, Lbs.
AB PDS	\$0.89	9½x11¼	26	48

Repair handle No. AB S142S series.
One-half dozen in a bundle.

SIMMONS

Improved Airtight Wood Heaters

PRODUCE MORE HEAT FROM LESS FUEL

— They Give You Years of Dependable Service —

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

GRAIN SCOOPS



KEEN KUTTER

America's Finest

You can trust this trademark always to indicate the highest quality. These scoops will give you superior service and so are more economical in the long run, even though the initial cost may be a trifle more than the ordinary type.

Hollow Back—Light Weight

FULL HEAT-TREATED
Western Pattern

CORRUGATED BLADE—FULL POLISHED
HEAVY STEEL D, LARGE WOOD GRIP

Highest grade 17-gauge one-piece steel blade and small tapered socket. Blade extra hard. Extra select Northern ash handle 27½ inches long, waxed and polished.

Nos.	Each	Size	Width Blade, Ins.	Length Blade, Ins.	Wt. Per Doz., Lbs.
AB KDW6	\$2.29	6	12¾	16	65
AB KDW8	2.39	8	13¾	16¾	67
AB KDW10	2.49	10	14¾	17¾	69
AB KDW12	2.59	12	14¾	18¾	73
AB KDW14	2.69	14	15¾	19¾	76

Repair handle Nos. AB KSDH, AB DSK series.

CLAYBANK



Western Pattern
Hollow Back Pattern
CORRUGATED BLADE

HEAVY STEEL D, LARGE WOOD GRIP

Large capacity scoop for easier handling of heavy loads. One-piece medium grade 17-gauge steel blade and socket. Medium grade ash handle, 27½ inches long.

VELVET OR SATIN FINISH

Nos.	Each	Size	Width Blade, Ins.	Length Blade, Ins.	Wt. Per Doz., Lbs.
AR CDW6	\$1.65	6	12¾	16	65
AY CDW8	1.75	8	13¾	16¾	68
AY CDW10	1.85	10	14¾	17¾	74
AY CDW12	2.09	12	14¾	18¾	79
AY CDW14	2.19	14	15¾	19¾	82

Repair handle Nos. AB S142S, AB KCDH, AB DSK series.

BLACK FINISH

Nos.	Each	Size	Width Blade, Ins.	Length Blade, Ins.	Wt. Per Doz., Lbs.
AR CDW6B	\$1.45	6	12¾	16	66
AY CDW8B	1.65	8	13¾	16¾	70
AY CDW10B	1.75	10	14¾	17¾	74
AY CDW12B	1.95	12	14¾	18¾	79

Repair handle Nos. AB S142S, AB KCDH series.
One-half dozen in a bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

GRAIN SCOOPS

CLAYBANK

Hollow Back Pattern

Blade Has Polished Front
and Black Brushed Back

One-piece medium grade 16-gauge steel blade and small tapered socket. Medium grade ash handle 27½ inches long.



Eastern Pattern,
Light Weight

HEAVY STEEL D,
LARGE WOOD GRIP

Nos.	Each	Size	Width Blade, Ins.	Length Blade, Ins.	Wt. Per Doz., Lbs.
AB CDE2	\$1.69	2	10¾	15	63
AB CDE4	1.89	4	11¾	16	64

Repair handle Nos. AB S142S, AB KCDH series.



Eastern Pattern
Light Weight
LONG HANDLE

Handle 47 inches long.

Nos.	Each	Size	Width Blade, Ins.	Length Blade, Ins.	Wt. Per Doz., Lbs.
AB CLE2	\$1.69	2	10¾	14¾	65
AB CLE4	1.89	4	11¾	15¾	67

Repair handle Nos. AB SCL, AB 4K series.

COAL YARD SCOOPS

KEEN KUTTER

These scoops are primarily intended for handling coal and other large bulky materials for which efficiency requires maximum bowl capacity and also a tool as light as possible. Flaring corners and flat edge permits blade to slide into or under the coal with very slight resistance.



Hollow Back Pattern

FLAT POINT—BLACK FINISH

HEAVY STEEL D, LARGE WOOD GRIP

Blade and socket forged from one-piece 16-gauge heat-treated carbon steel. Extra select Northern ash handle 27½ inches long, with armored D.

Nos.	Each	Size	Blade, Inches	Wt. Per Doz., Lbs.
AB KCS7	\$1.98	7	14 x17	75
AB KCS8	2.10	8	14½x17½	75
AB KCS10	2.25	10	15½x18½	80

Repair handles Nos. AB S142S, AB KCDH series.

One-half dozen in a bundle.

LOCOMOTIVE SCOOPS

CLAYBANK
Hollow Back Pattern
BLACK FINISH



SHORT D HANDLE

One-piece medium grade steel blade and socket. Medium grade short D type ash handle only 23 inches long, very convenient for use in crowded or small places.

Nos.	Each	Blade, Inches	Wt. Per Dozen, Lbs.
AB C20	\$1.49	11 x15	72
AB C30	1.59	11½ x15½	74
AB C40	1.69	11½ x16	80

Repair handle No. AB SSSSD series.
One-half dozen in a bundle.

COAL SHOVELS

CLAYBANK
Hollow Back Pattern—Black Finish

Large capacity and light weight make these the ideal shovels for handling coal and other heavy bulk products. Steel blade and socket. Frog in center adds strength and makes blade more rigid. Medium grade smooth belted ash handle.

FLAT BLADE



HEAVY STEEL D LARGE WOOD GRIP

Nos.	Each	Size	Blade, In.	Length Handle, In.	Wt. Doz., Lbs.
AB C CCD20	\$1.60	2	13½ x14½	26½	64
AB C CCD30	1.69	2	14 x15	26½	68

Repair handle No. AB S142S series.

CORRUGATED BLADE

Two lengthwise corrugations add strength to blade and permit greater load.



HEAVY STEEL D LARGE WOOD GRIP

Nos.	Each	Size	Blade, In.	Length Handle, In.	Wt. Doz., Lbs.
AB C CCD1	\$1.49	1	13 x14½	26½	60
AB C CCD2	1.59	2	13½ x14¾	26½	64
AB C CCD3	1.69	3	14 x15½	26½	68

Repair handle No. AB S142S series.



LONG HANDLE

No.	Each	Size	Blade, In.	Length Handle, In.	Wt. Doz., Lbs.
AB C CLC20	\$1.59	2	13½ x14¾	54	64

Repair handle No. AB SCL series.
One-half dozen in a bundle.

COAL SHOVELS

CLAYBANK

Large capacity and light weight make these the ideal shovels for handling coal and other heavy bulk products. Steel blade and socket. Frog in center adds strength and makes blade more rigid. Medium grade smooth belted ash handle.



GOLD BUG

REINFORCED BLADE

HEAVY STEEL D, LARGE WOOD GRIP

Steel blade and extended forked socket gives double strength and makes blade more rigid. Highest grade selected ash handle with red lacquered dee.

BLADE ONE-HALF POLISHED AND ONE-HALF ALUMINIZED FINISH

Nos.	Each	Size	Blade, In.	Length Handle, In.	Wt. Doz., Lbs.
AB 1	\$1.89	1	13x13¾	26½	62
AB 2	1.98	2	14¾x14¼	26½	72

BLADE ALL BLACK FINISH

AB GB1B	\$1.79	1	13x13¾	26½	62
AB GB2B	1.89	2	14¾x14¼	26½	72

Repair handle No. AB S142S series.
One-half dozen in a bundle.

FURNACE SCOOPS

Hollow Back Pattern

Light, serviceable scoops for easy handling of coal, coke or ashes.

Blade and socket forged from one-piece 16-gauge steel.

BLACK FINISH



Split D Handle

Medium grade ash handle 29 inches long.

No.	Each	Width Blade, Ins.	Length Blade, Ins.	Wt. Doz., Lbs.
AB C	\$0.98	10½	14¼	58

Repair handle No. AB DSK series.



No. AB C390.

BLACK ENAMEL FINISH—HARDWOOD HANDLE

Steel D Top, Large Wood Grip

Length handle 32 inches.

Nos.	Each	Width Blade, Ins.	Length Blade, Ins.	Wt. Doz., Lbs.
AB C390	\$0.59	8½	14	48

Long Handle

Length handle 51 inches.

AB C390L	\$0.59	8½	14	56
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Repair handle No. AB LSSK series.
One-half dozen in a bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

GRAVEL SCOOPS

KEEN KUTTER

America's Finest



Hollow Back Pattern—Black Finish
Heat-Treated Sturdee Steel D, and Wood Grip

Easy to handle because it is lighter than the ordinary shovel. Designed to scoop and hold maximum load. Will last indefinitely.

Blade and socket one-piece 16-gauge steel. Extra select, smooth ash handle, 26½ inches long.

No.	Each	Blade, Inches	Wt. Per Doz., Lbs.
AB KDG20	\$1.79	14¾ x 11	61

Repair handle Nos. AB SDS, AB DSK series.

CLAYBANK

Hollow Back Pattern

BLACK FINISH BLADE, SOCKET AND D

Blade and socket made of one-piece 16-gauge medium grade steel. Medium grade ash handle, 27 inches long. Sturdy and long lasting



PLAIN BLADE—SPLIT D HANDLE

No.	Each	Blade, Inches	Wt. Per Doz., Lbs.
AB CDG20	\$1.49	14¾ x 11	64

Repair handle Nos. AB SDS, AB DSK series.



CORRUGATED BLADE

ROUNDED BOTTOM—TURNED BACK STEP

Heavy Steel D, Large Wood Grip

No.	Each	Blade, Inches	Wt. Per Doz., Lbs.
AB CDC20	\$1.49	15 x 11½	63

Repair handle Nos. AB S142S, AB DSK series.



ROUNDED BOTTOM—TURNED BACK STEP

PLAIN BLADE—Heavy Steel D, Large Wood Grip

No.	Each	Blade, Inches	Wt. Per Doz., Lbs.
AB CDR20	\$1.49	15 x 11½	66

Repair handle Nos. AB S142S, AB DSK series.

One-half dozen in a bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

BREAK DOWN SCOOPS

KEEN KUTTER

America's Finest



Hollow Back Pattern

DIAMOND POINT—BLACK FINISH HEAVY STEEL D, LARGE WOOD GRIP

For handling gravel, sand, and crushed stone—the sharp diamond point penetrates much easier than ordinary square or rounded point scoop. Saves you money in the long run—it's real economy to buy the best.

Blade and socket one-piece 16-gauge, heat-treated carbon steel. Extra select grade northern ash handle, 26½ inches long.

Nos.	Each	Size	Blade, Inches	Wt. Per Doz., Lbs.
AB K4BD	\$1.89	4	11½ x 15½	68
AB K6BD	1.98	6	12¼ x 16	76
AB K8BD	2.09	8	12¾ x 17	84

Repair handle No. AB KCDH series.

One-half dozen in a bundle.

SAND SHOVELS

CLAYBANK

COAL MINERS' AND SAND

Hollow Back Pattern



D HANDLE—POLISHED BLADE

Handles maximum load easily. Light weight but sturdy. Frog in center adds strength and makes blade more rigid. Steel blade and socket. Medium grade ash handle, with wood D.

No.	Each	Size	Blade, In.	Length per Handle, In.	Wt. Per Doz., Lbs.
AB CCDS4	\$1.79	4	13 x 10	26½	62

Repair handle Nos. AB S142S, AB KCDH series.

One-half dozen in a bundle.

DRAIN CLEANERS

KEEN KUTTER



Saves time and effort in cleaning drains and ditches!

ADJUSTABLE

Separate malleable frame and socket with ratchet on both sides make blade adjustable to any angle. Especially useful cleaner for finishing tile ditches.

Forged steel concave blade, polished. With front and back edges beveled for use in either pulling or pushing. Blade riveted to japanned frame or bracket. Fitted with northern ash handle, belted and waxed—length 6 feet.

Blade 15x5 inches.

AB KC20—Weight per dozen 66 lbs. Each \$1.59

One-half dozen in a bundle.

GENERAL PURPOSE AND BARN SCOOPS



Hollow Back Pattern
BLACK FINISH
LONG HANDLE

Handy scoop to keep about the barn and farmyard for handling feed, grain, refuse, fertilizer, or dirt.

One-piece heavy sheet steel blade and socket. Polished socket. Medium grade ash handle 48 inches long.

No.	Each	Width Blade, Ins.	Length Blade, Ins.	Wt. Per Doz., Lbs.
AB 101HL	\$1.19	11	15	65

Repair handle No. AB LSSK series.

BARN AND SNOW SHOVELS

Hollow Back Pattern



LONG HANDLE
BLACK FINISH

You'll like this light weight long handled shovel for general all around use. Light, low sides, well balanced, ideal for snow in winter. Convenient, too, for handling dirt, debris and barnyard manure.

Sheet steel, 16-gauge dished blade, with socket for bent handle. Natural finish ash handle. Length over all 60½ inches.

No.	Each	Width Blade, Ins.	Length Blade, Ins.	Wt. Per Doz., Lbs.
AY 5S	\$0.49	11	14	62

Repair handle No. AB LSSK series.

SNOW AND STREET SHOVELS



Hollow Back Pattern
BLACK FINISH
BRACED SPLIT D HANDLE

Extra large blade shovels for fast, easy removal of large quantities of refuse, debris, or snow.

Heavy sheet steel black finish blade and socket. Ash handle. 38 inches long.

No.	Each	Blade, Inches	Wt. Per Dozen, Lbs.
AB 1538	\$1.49	15x15	76

One-half dozen in a bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SNOW SHOVELS

Play safe! Be prepared for the next snowstorm, to clear away the snow easily and quickly. These tools are easy to use because they are properly designed and correctly balanced for the work.



Heavy galvanized iron corrugated blade—Turned up top prevents snow sliding over shovel. Sides and top are wired for greater strength. Heavy black steel shoe riveted to bottom edge strengthens and protects blade. Angle iron braces riveted to back and secured to handle give rigidity.

Varnished hardwood handle—Strong and sturdy with rounded edges. Extends to front of blade and is securely riveted. Heavy wrought steel riveted D with 4½-inch comfortable hardwood grip. Length shovel over all 50 inches.

Nos.	Each	Size Blade, Inches	Weight Per Doz., Lbs.
AB 33	\$1.30	17x15	57
AB 34	1.45	21x16	66



Extra Strong

Extra quality, 18-gauge spring steel beaded curved blade with turned-up top. Attractive green finish. Varnished hardwood handle with extra strong ribbed D handle—secured to back of blade by 16-gauge welded steel riveted socket. Socket on back also reinforces the blade. Length over all 48 inches.

Blade 18x15 inches.

AB 31—Weight per dozen 64 lbs. Each \$0.79

One-half dozen in a crate.



Galvanized Steel Blade

Very economical but strong and durable. Strong blade has six ribs for added strength and will carry a heavy load. Hardwood handle with steel D and 5-inch comfortable wood grip. Handle extends to bottom of blade and is securely riveted. Length over all 49 inches.

AB 618—Blade 18x13 inches. Weight per dozen 65 lbs. Each \$0.69

One-quarter dozen in a bundle.

SIDEWALK CLEANERS



KEEN CUTTER

Sharp Double Bevel Blade

Sharpened double beveled blade, excellent for cleaning or chopping ice from sidewalks, scraping stable floors.

SOCKET PATTERN

These first quality cleaners are made rugged for hard use. Blade forged from high-grade steel, oil tempered, one-third polished. Balance of blade and socket painted black. Long lasting, light weight handle 4½ feet long—extra select second growth straight grained ash, smooth belted and waxed.

Blade 7x6 inches.

AB K7—Weight per dozen 45 lbs.....Each \$1.09

One-half dozen in a bundle.

Heads burlapped, handles wrapped in paper.



KLICKEE

SOCKET PATTERN

Practical! Economical!

Use this sturdy scraper for breaking hard ice, cleaning stable and garage floors, poultry houses, factory floors. Handy, too, for cutting weeds, edging lawns and flower beds.

High carbon, shovel steel blade, riveted to malleable iron shank and socket. Blade and socket painted red. Straight heavy ash handle—length 4 feet.

Blade 7x4½ inches.

AB 7K—Weight per dozen 34 lbs.....Each \$0.35



SOCKET PATTERN

Sturdy and long lasting!

One-piece high carbon steel blade and socket. Upper part enameled red. Natural finish hardwood handle—length 4 feet.

Blade 7x5 inches.

AB 507—Weight per dozen 36 lbs.....Each \$0.65

One-half dozen in a bundle.

BARN SCRAPERS



IWANS

Pushes or pulls!

A handy tool for cleaning barns, poultry houses, hog lots, sidewalks.

High carbon shovel steel blade. Blue enamel finish. Malleable iron socket riveted to blade. Hardwood handle, 5 feet long, securely fastened in socket.

Blade 18x7 inches.

AB 200—Weight per dozen 64 lbs.....Each \$1.09

One-quarter dozen in a bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SNOW PUSHERS

(OR SIDEWALK CLEANERS)

Use one of these handy tools for quick, clean removal of snow and ice from walks, paths, platforms and all hard flat surfaces. Excellent, too, for cleaning dirt, mud and refuse from sidewalks.



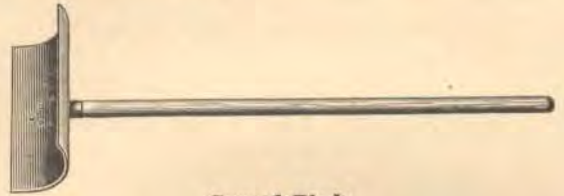
Extra Heavy

Combines best qualities of scraper and shovel!

High carbon steel blade, securely riveted to heavy wrought steel socket. Select hardwood handle 4 feet long, securely fastened in socket.

Blade 18x12 inches.

AB 988—Weight per dozen 70 lbs.....Each \$1.19



Curved Blade

Will push large quantity of snow.

A lighter weight pusher with high carbon 16-gauge steel blade, securely riveted to heavy wrought steel socket. Sturdy hardwood handle, 48 inches long, securely bolted to socket. Blade and socket painted green.

Blade 18x12 inches.

AB 518—Weight per dozen 60 lbs.....Each \$0.89

One-half dozen in a bundle.

POST HOLE AUGERS



SIMMONS

IWAN PATTERN

A guaranteed first quality tool for boring and digging post holes in hard or stony ground.

Blades riveted to malleable iron frame with three steel rivets. This prevents blades from spreading out of line and increases digging accuracy and speed.

Blue Lacquer Finish

Two blued steel split shovel-shaped blades—heavy gauge forged steel. Length 9½ inches, width 6 inches. Tubular iron handle—length 34 inches, diameter 1 inch. Natural finish hardwood cross bar 22 inches long. Length over all 46 inches.

Nos.	Each	Diameter Weight	
		Hole Bored, Inches	Per Doz., Lbs.
AY SA4	\$1.95	4	84
AY SA6	1.95	6	108
AY SA7	2.25	7	120
AY SA8	2.35	8	120

One-quarter dozen in a bundle.

POST HOLE DIGGERS

Here is a variety to suit every purpose and every type of soil!

KEEN KUTTER America's Finest



Digs fast and accurately.

Perfect construction and correct balance make it easy to handle.

Convenient graduation marks from 2 to 4 feet burned on handles.

Blades forged from high-grade 12-gauge crucible steel, with sharp cutting edge. Securely riveted to heavy shouldered malleable iron frame, double hinged on steel bolt, with closed handle sockets.

Select second growth straight ash handles 4 feet long, round with square lower ends bolted into iron sockets, 4 inches deep. Lower half of blades polished for easy digging and cleaning. Frame and top of blades black japanned.

Length blades 9 inches, width 5 inches. Will dig hole 6 inches in diameter.

AB K—Weight per dozen 144 lbs.....Each \$2.39

One-sixth dozen in a bundle.

AB KH—Digger Handles. Select ash, round with lower end square. Weight per dozen pairs 36 lbs.Per Pair \$0.69

AB KB—Digger Blades. High-grade crucible steel, japanned with polished points. Weight per single dozen 12 lbs.....Per Blade \$0.49

Packing—bulk.

LIGHTNING PATTERN



Shape of blades and total weight of this tool makes it a fast, easy digger!

High carbon 13-gauge steel blades bolted to heavy malleable iron frame. Hinged on heavy steel bolt. Best grade hardwood round handles, 4 feet long, riveted in the round malleable iron sockets. Graduation marks 2 feet, 3 feet and 4 feet embossed on handles and filled black. Frame and blades red enameled.

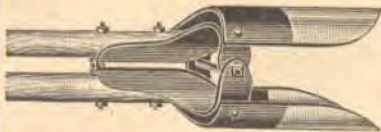
Length blades 9½ inches, width 4¾ inches. Will dig a hole 6 inches in diameter.

AB K2—Weight per dozen 135 lbs.....Each \$2.39

One-third dozen in a bundle.

AB K2H—Digger Handles. Best grade hardwood 4 feet long. Weight per dozen pairs 36 lbs.Per Blade \$0.59

Packing—bulk.



HERCULES PATTERN

Heavy malleable iron frame held together with a hinge bolt in wide bearings which eliminates all side motion of handles. Extra heavy. High carbon steel blades, tempered and sharpened. Heavy second growth ash handles—length 4 feet. Points of blades polished for easy digging and cleaning. Blades and frame painted bright red.

Length blades 9½ inches, width 6½ inches.

AB H—Weight per dozen 110 lbs.....Each \$1.95

One-sixth dozen in a bundle.

AB HH—Digger Handles. Heavy second growth ash—length 4 feet. Weight per dozen pairs 36 lbs.Per Pair \$0.59

Packing—bulk.

‡ Goods marked thus (‡) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.



EUREKA PATTERN

Fourteen gauge forged steel blades riveted under shoulder to malleable iron frame with wide bearing, hinged on steel bolt. Hardwood handles 4 feet long, round at top, squared at bottom, bolted to frame. Points of blades polished. Top of blades japanned. Length blades 9 inches, width 4½ inches. Will dig hole 6 inches in diameter.

AY 30—Weight per dozen 96 lbs.....Each \$1.65

One-third dozen in a bundle.

AB 30B—Digger Blades. Forged steel japanned, with polished points. Weight per single dozen 12 lbs.Per Blade .49

AB 30F—Digger Frame. Castings, malleable iron, japanned. Weight per dozen 19 lbs...Each .49

AB 30H—Digger Handles. Hardwood, half round. Weight per dozen pairs 36 lbs.....Per Pair .59

Packing—bulk.



ATLAS PATTERN

Malleable iron frame, single hinged on steel bolt. 14-gauge steel blades riveted on frame.

Round Hardwood Handles 48 inches long with lower ends squared and bolted to frame. Length blades 9 inches, width 4¾ inches. Blades polished at lower end. Frame and upper part of blades japanned. Will dig a hole 6 inches in diameter.

AY A—Weight per dozen 108 lbs.....Each \$1.65

One-third dozen in a bundle.

DIGGER HANDLES—Hardwood, round with lower end square.

AB AH—Weight per dozen 36 lbs.....Per Pair \$0.59

Packing—bulk.



RUHMANN—ALL STEEL

Extra heavy hardened steel blades riveted directly to the flattened end of the solid square bars with top edge welded, preventing rivets from shearing off or becoming loose.

Round steel pipe handles are welded to solid steel square bars making digger very rigid and powerful. Handles lacquered red, blades bright blue.

‡ **AB R**—Weight per dozen 200 lbs.....Each \$2.75

Packing—bulk.



CHAMPION

Red lacquered cylindrical blade 6 inches in diameter, welded to blue lacquered steel handle 49 inches long, ¾-inch in diameter. Forked at lower end. Length over all 62 inches.

AB CS—Weight per dozen 132 lbs.....Each \$1.79

One-quarter dozen in a bundle.

KEEN KUTTER AGRICULTURAL TOOL HANDLES

Seasoned Ash Handles at Prices That Save You Money!

Only selected second growth straight grained air dried northern ash is used in making **KEEN KUTTER** replacement handles. They are made sturdy and strong.

Fork, hoe and rake handles have a transparent weather-proof solution applied, producing a permanent white color

that will not rub off—a smooth hard lasting finish that protects the life of the handle; all other handles polished and waxed.

The distinctive **KEEN KUTTER** gold foil label adds to the appearance of the handle and identifies it as strictly first quality.

KEEN KUTTER handles may cost a trifle more than inferior grades but they will give you longer and more satisfactory service. It pays to buy the best.

HAY FORK



Bent

Black enameled steel tubular ferrule 10 inches long, gold bronzed cap. Square hole.

Used in Hay Forks Nos. AB KB304, AB KB304½; and will fit all similar hay forks.

Nos.	Each	Length, Feet	Wt. Per Doz., Lbs.
AB KHBS4	\$0.69	4	22
AB KHBS4½	.75	4½	24



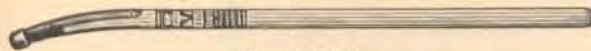
Bent

Chucked and bored, without ferrule.

Used in Hay Forks Nos. AB KB304, AB KB304½; and will fit all similar hay forks.

Length 4½ Feet

AB KHB4½—Weight per dozen 22 lbs.....Each \$0.50



Boys' Bent

Strap ferrule, gold bronzed cap. Black enameled. Square hole.

Used in Hay Forks No. AB KYB304; and will fit all similar hay forks.

Length 4 Feet

AB KYBS4—Weight per dozen 18 lbs.....Each \$0.69

HEADER OR BARLEY FORK



Bent

Black enameled steel tubular ferrule, 10 inches long. Gold bronzed cap. Square hole.

Used in Header Forks Nos. AB KC304½, AB KC305, AB KH404, AB KH404½, AB KM404, AB KM404½; Grain Forks Nos. AB KD404, AB KD404½; and will fit all similar forks.

Nos.	Each	Length, Feet	Wt. Per Doz., Lbs.
AB KHFS4	\$0.69	4	25
AB KHFS4½	.75	4½	27
AB KHFS5	.79	5	29

MANURE FORK



Bent

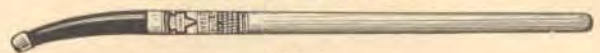
Black enameled steel tubular ferrule 10 inches long. Gold bronzed cap, square hole.

Used in Manure Forks Nos. AB K404, AB K404½, AB K504, AB K504½, AB K604, AB K604½, AB KAM404½, AB KCM404½; and will fit all similar forks.

Nos.	Each	Length, Feet	Wt. Per Doz., Lbs.
AB KMBS4	\$0.69	4	25
AB KMBS4½	.75	4½	27

One-half or one dozen in a bundle.

ALFALFA FORK



Bent

Black enameled steel tubular ferrule, 10 inches long. Gold bronzed cap. Square hole.

Used in Alfalfa Forks Nos. AB KA404½; and will fit all similar forks.

Length 4½ Feet

AB KAFS4½—Weight per dozen 26 lbs.....Each \$0.75

GARDEN HOE



For Shank Pattern Hoes

Chucked and bored, without ferrule.

Used in Cotton Hoes No. AB KHC106½; Garden Hoes No. AB KS7; Strawberry Hoes Nos. AB KN6½, AB KN7½; Weeding Hoes Nos. AB K10, AB K20, AB KA; Cultivators No. AB KSC4; Potato Hooks Nos. AB K45 and AB S4R; Turf Edgers No. AB KTE40; and will fit all similar hoes.

Length 4½ Feet.

AB KGH—Weight per dozen 13½ lbs.....Each \$0.39

For Socket Pattern Hoes

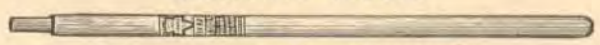
Chucked but not bored.

Used in Garden Hoes Nos. AB KG20, AB KG206 to AB KG208 and AB KLG6 to AB KLG7, AB KSOA, AB KW7½; Garden Cultivators Nos. AB KHC3 and AB KHC5; and will fit all similar hoes.

Length 4½ Feet.

AB KSGH—Weight per dozen 16 lbs.....Each \$0.39

GARDEN RAKE



Chucked and bored, without ferrule.

Used in Garden Rakes Nos. AB KSB12 to AB KSB16; and will fit all similar rakes.

Length 5 Feet

AB KR—Weight per dozen 18 lbs.....Each \$0.45

One-half or one dozen in a bundle.

**IN SIMMONS
CAST IRON RANGES,
YOU FIND SUPERIOR
QUALITY AT A LOW PRICE**

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KEEN KUTTER AGRICULTURAL TOOL HANDLES

Seasoned Ash Handles at Prices That Save You Money!

Only selected second growth straight grained air-dried northern ash is used in making KEEN KUTTER replacement handles. They are made sturdy and strong.

The distinctive KEEN KUTTER gold foil label adds to the appearance of the handle and identifies it as strictly first quality.

KEEN KUTTER handles may cost a trifle more than inferior grades but they will give you longer and more satisfactory service. It pays to buy the best.

LONG SHOVEL



REGULAR PATTERN
Not Chucked

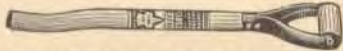
Used in Dirt Shovels Nos. AB KLR2 and AB KLS2; and will fit all similar shovels.

AB KSL—Weight per dozen 27 lbs.....Each \$0.69

Heavy Steel D, Handle With Large Comfortable Wood Grip

One of the most popular metal tops because it is strong without excess weight, attractive in design, has a smooth surface and hand grip roomy enough for large gloved hand.

SHOVEL

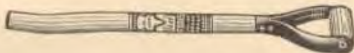


Not Chucked
Used in Dirt Shovels Nos. A B K D S 2, and will fit all similar shovels.

AB KDRL2, AB KDRL2; and will fit all similar shovels.
Length 29 Inches

AB KSS—Weight per dozen 18 lbs.....Each \$0.69

SPADE

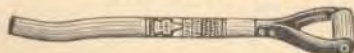


Not Chucked
Used in Spades No. AB KSD2; and will fit all similar spades.

Length 30 Inches

AB KSSS—Weight per dozen 16 lbs.....Each \$0.65

POST AND DRAIN SPADE



Not Chucked
Used in Drain Spades Nos. AB K16, AB K18; and will fit all similar spades.

Post spades Nos. AB KD14 to AB KD18; and will fit all similar spades.

Length 30 Inches

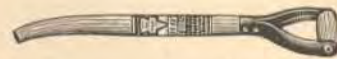
AB KSPP—Weight per dozen 17 lbs.....Each \$0.65

One-half or one dozen in a bundle.

Heavy Steel D, Handle With Large Comfortable Wood Grip

One of the most popular metal tops because it is strong without excess weight, attractive in design, has a smooth surface and hand grip roomy enough for large gloved hand.

SCOOP

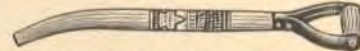


CHISHOLM PATTERN
Not Chucked

For all Scoops.

Length 28 Inches

AB KCDH—Weight per dozen 15 lbs.....Each \$0.65



For Scoops With Small Tapered Sockets.

Used in Grain Scoops Nos. AB KDW6 to AB KDW14; and will fit all similar scoops.

Length 30 Inches

AB KSDH—Weight per dozen 15 lbs.....Each \$0.69

One-half or one dozen in a bundle.

HEAVY FORK



For large, heavy forks and scoops.

Extra strong. Sturdily constructed.

Specially patented pressed steel D handle with comfortable wood grip. 10-inch black enameled steel tubular ferrule. Gold bronzed cap.

Used in AB KBF7, AB K410, AB K412, AB K100, AB KB8, AB KB10; and will fit all other similar, Beet, Cottonseed, Kaffir Korn, Barley, Barn forks and Vegetable scoops.

Length 30 Inches

AB KCF—Weight per dozen 25 lbs.....Each \$0.95

One-half dozen in a bundle.

Polly-Prim

ALUMINUMWARE

DOES THE WORK WELL AND

Costs So Little

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SIMMONS AGRICULTURAL TOOL HANDLES

Economical! Dependable!

Good quality northern ash handles air dried. Fork, hoe and rake handles have a transparent weather-proof solution applied, producing a permanent white color that will not rub off—a smooth hard lasting finish that protects the life of the handle; all other handles polished and waxed. Attractive foil label. Sturdily constructed. Quality second only to *KEEN KUTTER* handles.

HAY FORK



Straight

Chucked and bored, without ferrule.

Used in Hay Forks Nos. AB 305K, AB S304½ to AB S305½; handle No. AB SS4½ for sidewalk cleaners, Nos. AB 7K and AB K7; and will fit all other similar tools.

Nos.	Each	Length, Feet	Wt. Per Doz., Lbs.
AB SS4½	\$0.35	4½	20
AB SS5	.39	5	22
AB SS5½	.45	5½	24
AB SS6	.55	6	26



Bent

Chucked and bored, without ferrule.

Used in Hay Forks Nos. AB SB304 to AB SB305 and AB SCB404½, AB SCB405; and will fit all similar tools.

Nos.	Each	Length, Feet	Wt. Per Doz., Lbs.
AB SB4½	\$0.39	4½	20
AB SB5	.45	5	22
AB SB5½	.50	5½	27



Bent

Red enameled 8-inch steel tubular ferrule, gold bronzed cap. Square hole.

Used in Hay Forks Nos. AB SB304 to AB SB305, AB SCB404½, AB SCB405; and will fit all similar forks.

Nos.	Each	Length, Feet	Wt. Per Doz., Lbs.
AB SHB4	\$0.55	4	20
AB SHB4½	.59	4½	23
AB SHB5	.65	5	26

MANURE FORK



Bent

Chucked and bored, without ferrule.

Used in Manure Forks Nos. AB S404, AB S404½, AB S504, AB S504½, AB S604, AB S604½, AB SCM404½; and will fit all similar forks.

Nos.	Each	Length, Feet	Wt. Per Doz., Lbs.
AB S4	\$0.35	4	22
AB S4½	.39	4½	25



Bent

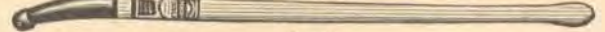
Red enameled 8-inch steel tubular ferrule, gold bronzed cap. Square hole.

Used in Manure Forks Nos. AB S404, AB S404½, AB S504, AB S504½, AB S604, AB S604½, AB SCM404½; and will fit all similar forks.

Nos.	Each	Length, Feet	Wt. Per Doz., Lbs.
AB SM4	\$0.55	4	24
AB SM4½	.59	4½	26

One-half or one dozen in a bundle.

HEADER OR BARLEY FORK



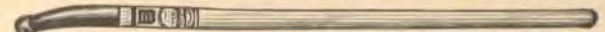
Bent

Red enameled 8-inch steel tubular ferrule, gold bronzed cap, square hole.

Used in Barley Forks Nos. AB SX404½, AB SX405 and AB SX505; Grain Forks Nos. AB SD404 and AB SD404½; Header Forks Nos. AB SH404, AB SH404½, AB SM404, AB SM405, AB SM404½R; and will fit all similar forks.

Nos.	Each	Length, Feet	Wt. Per Doz., Lbs.
AB SHE4	\$0.55	4	23
AB SHE4½	.59	4½	25
AB SHE5	.65	5	27
AB SHE5½	.75	5½	28

ALFALFA FORK



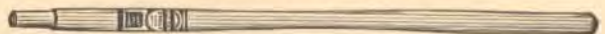
Red enameled 8-inch steel tubular ferrule, gold bronzed, square hole.

Used in Alfalfa Forks No. AB SA404½; and will fit all similar forks.

Nos.	Each	Length, Feet	Wt. Per Doz., Lbs.
AB SAB4½	\$0.59	4½	24
AB SAB5	.65	5	26

One-half or one dozen in a bundle.

GARDEN HOE



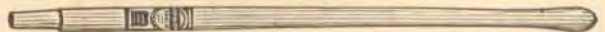
Chucked and bored, without ferrule.

Used in Garden Hoes No. AB SG10; Potato Hooks Nos. AB S40L, AB S50L, AB S50H, AB S4R, AB S5R; Weeding Hoes No. AB S102; and will fit all similar tools.

Length 4½ Feet

AB SGH—Weight per dozen 15 lbs.....Each \$0.35

LIGHT COTTON HOE



Chucked for socket hoes, not bored, without ferrule.

Used in Southern Meadow Hoes Nos. AB ST207 to AB ST210; Rakes Nos. AB OLC, AB S24; and will fit all similar tools.

Length 5 Feet

AB SLCS5—Weight per dozen 14 lbs.....Each \$0.35

REGULAR COTTON OR PLANTERS' HOE



Chucked and bored, without ferrule.

For Cotton Hoes.

Length 5½ Feet

AB SRCH—Weight per dozen 17 lbs.....Each \$0.45

One-half dozen in a bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be

SIMMONS AGRICULTURAL TOOL HANDLES

Economical! Dependable!

MORTAR HOE



Plain steel ferrule and cap. Bored.
Used in Mortar Hoes No. AB KMP10 and will fit all similar hoes.

Length 5½ Feet

AB S66—Weight per dozen 28 lbs.....Each \$0.59



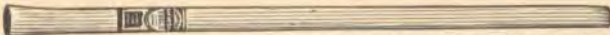
Chucked for socket hoes, not bored.

Used in Mortar Hoes AB KMO10; and will fit all similar hoes.

Length 5½ Feet

AB SO66—Weight per dozen 28 lbs.....Each \$0.49

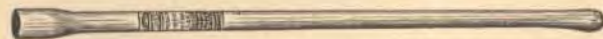
MATTOCK HOE



For Mattock Hoes No. AB KHM; and will fit all similar hoes.

Length 5 Feet

AB SMH—Weight per dozen 13 lbs.....Each \$0.69



For No. AB KSQ3½ Southern Queen Mattocks; and all similar mattocks.

Length 5 Feet

AB SSQ5—Weight per dozen 15 lbs.....Each \$0.49

EYE HOE



Swell End

For No. AB SES Hoes Nos. KS00, KS0, KS1, 00, 0 and 1; No. AB SEL Hoes Nos. KS2, 2, 3, and 4; and will fit all similar hoes.

Length 5½ Feet

Nos.	Each	Diameter at Butt, Inches	Wt. Per Doz., Lbs.
AB SES	\$0.59	1¾	25
AB SEL	.69	2	27

For Garden Hoe No. AB KGH6; and will fit all similar hoes.

Length 4½ Feet

AB SLPH—Weight per dozen 19 lbs.....Each \$0.49

For Grub Hoes No. AB KGS4½; and will fit all similar hoes.

Length 4½ Feet

AB SLSH—Weight per dozen 19 lbs.....Each \$0.55

GARDEN RAKES



Chucked and bored, without ferrule.

Used in Garden Rakes Nos. AB S9014, AB S9016, AB SSB12 to AB SSB16; and will fit all similar rakes.

Length 5 Feet

AB SR—Weight per dozen 20 lbs.....Each \$0.35

One-half dozen in a bundle.

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SHOVEL AND SPADE



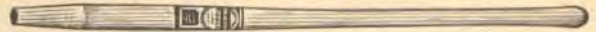
SPADE—Not Chucked

With slight double bend.
For all plain back Spades.

Length 54 Inches

AB SSL—Weight per dozen 21 lbs.....Each \$0.50

LONG SHOVEL AND SPADE



Light Weight Pattern

Without Shoulder, Taper to Fit

For Shovels and Spades Nos. AB KLISST14½, AB KLISST24½, AB SBPR2T, AB SLT2S, AB SLT2R, AB SIT14½, AB SIT24½; and all similar shovels.

Length 46½ Inches

AB SSSSL—Weight per dozen 18 lbs.....Each \$0.49



MAYNARD PATTERN

Chucked to fit socket of KEEN KUTTER, SIMMONS and Maynard Shovels and Spades; and Nos. AB KPR1 and AB KPR2 with solid socket.

Length 54 Inches

AB SML—Weight per dozen 26 lbs.....Each \$0.49

LONG SHOVEL



Not Chucked

With full double bend for plain back shovels.

Used in Dirt Shovels Nos. AB CLLR2, AB CLLS2, AB CLR1, AB CLR2B, AB CLS2B, AB KLLR2, AB SLLRT2, AB SSLST2; Irrigating Shovels Nos. AB SSLI2; and all similar shovels.

LIGHT WEIGHT PATTERN

Length 51 Inches

AB SLL—Weight per dozen 19 lbs.....Each \$0.50

Used in Dirt Shovels Nos. AB SSSLRT2; and will fit all similar shovels.

REGULAR PATTERN

Length 54 Inches

AB SL—Weight per dozen 21 lbs.....Each \$0.50

One-half dozen in a bundle.

SHOVEL, SPADE AND SCOOP



CHISHOLM PATTERN

Not Chucked

Has a slight single bend, but sawed for further bending if desired.

For Faultless, Claybank and all other hollow back Shovels, Spades and Scoops.

Length 54 Inches

AB SCL—Weight per dozen 21 lbs.....Each \$0.50

One dozen in a bundle.

SIMMONS AGRICULTURAL TOOL HANDLES

ECONOMICAL! DEPENDABLE!

BARLEY FORK



I-D-L Pressed Steel D

Red enameled 8-inch steel tubular ferrule. Bored. Gold bronzed cap.

Length 34 Inches

AB SBF34—Weight per dozen 25 lbs.....Each \$0.89

MANURE FORK



I D L Pressed Steel D

Red enameled 8-inch tubular steel ferrule.

Gold bronzed cap. Bored.

For Manure Forks Nos. AB 40DK, AB 50DK, AB 60DK, AB SD40, AB SD50, AB SD60; and all similar forks.

Length 32 Inches

AB SMSD—Weight per dozen 21 lbs.....Each \$0.79

SPADING FORK



Wood D

Red enameled steel strap ferrule. Gold bronzed cap. Bored.

For Spading Forks No. AB KWD40; and all similar spading forks.

Length 30 Inches

AB SSF—Weight per dozen 25 lbs.....Each \$0.89



Wrought Steel D

Red enameled 8-inch steel tubular ferrule. Gold bronzed cap, bored. With ash grip blue lacquered.

Length 30 Inches

AB SSSF—Weight per dozen 25 lbs.....Each \$0.79



Wood D

Chucked and bored, without ferrule.

For Spading Forks No. AB KWD40 and all similar forks.

Length 30 Inches

AB SS—Weight per dozen 20 lbs.....Each \$0.65



I-D-L Pressed Steel D

Chucked and bored, without ferrule.

Used in Spading Forks No. AB SSD40 and all similar forks.

Length 30 Inches

AB SMSF—Weight per dozen 20 lbs.....Each \$0.59

One-half dozen in a bundle.

HEAVY FORK



Special Patented Pressed Steel D, Wood Grip

Red enameled 8-inch tubular steel ferrule. Gold bronzed cap. Bored.

For Beet Forks AB KBF7 and AB FBF7; Cottonseed Forks Nos. AB K410, AB K412, AB F410 and AB F412; Kafir Korn Forks Nos. AB K100, AB F100, and AB FF100; Barn Forks Nos. AB KB8, AB KB10, AB FB8 and AB FB10; Vegetable Scoop Forks Nos. AB FV10 and AB FV12; and all similar tools.

Length 30 Inches

AB SCF—Weight per dozen 24 lbs.....Each \$0.79

VEGETABLE SCOOP FORK



Special Patented Pressed Steel D, Wood Grip

Fitted with red enameled 8-inch tubular steel ferrule, gold bronzed cap. Bored. Will fit Vegetable Scoop Forks Nos. AB KV8, AB KV10; and all similar forks.

Length 29 Inches

AB SVD—Weight per dozen 24 lbs.....Each \$0.79

SHOVEL



Not Chucked Heavy Steel D, Large Wood Grip

Full double bend. To fit plain back Shovels.

For Shovels Nos. AB DR2KB, AB DS2KB, AB DR2KB, AB LDS2K, AB LDS4K, AB SCDS2, AB SSDST2; and all similar shovels.

Length 29 Inches

AB SD—Weight per dozen 18 lbs.....Each \$0.59

SHOVEL AND SPADE



Heavy Steel D, Large Wood Grip

Chucked to fit socket of **SIMMONS** solid shank, forged socket pattern Shovels.

For Shovels and Spades Nos. AB SCDT2, AB SDMT2, AB SDRT2 and AB SDST2; also for Maynard solid socket Shovels and Spades.

Length 24½ Inches

AB SSSSD—Weight per dozen 14 lbs.....Each \$0.49

Length 27 Inches

AB SSSSD27—Weight per dozen 16 lbs.....Each \$0.49

SHOVEL, SPADE AND SCOOP



CHISHOLM PATTERN Not Chucked Heavy Steel D, Large Wood Grip

Slight single bend, but sawed for bending further if desired. For Faultless, Claybank or other hollow back Shovels, Spades or Scoops.

For Scoops Nos. AB C, AB CDE2, AB CDE4, AY CDW6 to AB CDW14, AB CCD1 to 3, AB CCDC10 to 30, AB SCS8, AB SCS10, AB SDG20, AB STW6 to 14; No. 2 Gold Bug Shovels; and all similar tools.

Length 28 Inches

AB S142S—Weight per dozen 16 lbs.....Each \$0.59

One-half dozen in a bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SIMMONS AGRICULTURAL TOOL HANDLES

ECONOMICAL! DEPENDABLE!

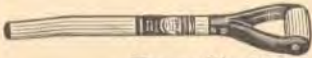
SPADE



With slight double bend to fit Iowa Pattern Spade No. AB KSR2.

Length 34 Inches

AB SV34—Weight per dozen 20 lbs.....Each \$0.65



REGULAR PATTERN

Not Chucked

Heavy Steel D. Large Wood Grip

With slight double bend to fit plain back spades. For Spades Nos. AB SCDT2, AB LSD2K, AB 2SDKB and AB KBS2; and all similar spades.

Length 30 Inches

AB SSD—Weight per dozen 17 lbs.....Each \$0.59

One-half dozen in a bundle.

POST AND DRAIN SPADE



Not Chucked
With medium double bend to fit post, drain or ditching spades.

For Spades Nos. AB SD14 to AB SD18, AB SPD14 to AB SPD20; and all similar spades.

Length 30 Inches

AB S146S—Weight per dozen 17 lbs.....Each \$0.59

SCOOP



Extra full single bend, to fit hollow back Scoops.

For Scoops Nos. AB KDG10, AB CDG20, AB CDR20, AB CDC20, AB CDW; AB KDW, Grain Scoop; and all similar scoops.

Length 30 Inches

AB SDS—Weight per dozen 17 lbs.....Each \$0.59

One-half dozen in a bundle.

KLICKEr AGRICULTURAL TOOL HANDLES

Attractive! Serviceable! Low Priced!

Good grade northern ash. Fork, hoe and rake handles have a transparent weather-proof solution applied, producing a permanent white color that will not rub off—a smooth hard lasting finish that protects the life of the handle; all other handles polished and waxed. These handles are specially designed to fit the tools. They are easily handled and adjusted. Be sure to select the correct handles for your tools. It will save you time, effort and money.

HAY FORK



Bent

Fitted with silver bronzed 8-inch tubular ferrule and cap. Square hole.

Will fit all bent handle Hay Forks.

Nos.	Each	Length, Weight Per	
		Feet	Dozen, Lbs.
AB 4HBK	\$0.45	4	18
AB 4½HBK	.49	4½	20
AB 5HBK	.55	5	22
AB 5½HBK	.59	5½	27



Straight

Fitted with silver bronzed 8-inch tubular ferrule and cap. Square hole.

Will fit all bent handle Hay Forks.

Nos.	Each	Length, Weight Per	
		Feet	Dozen, Lbs.
AB 4½SHK	\$0.45	4½	23
AB 5SHK	.49	5	25
AB 5½SHK	.55	5½	27
AB 6SHK	.59	6	30

MANURE FORK



Bent

Fitted with silver bronzed 8-inch tubular ferrule and cap. Square hole.

Will fit all bent handle Manure Forks.

Nos.	Each	Length, Weight Per	
		Feet	Dozen, Lbs.
AB 4MBK	\$0.45	4	24
AB 4½MBK	.49	4½	26

One-half or one dozen in a bundle.

HEADER AND BARLEY FORK



Bent

Fitted with silver bronzed 8-inch tubular ferrule and cap. Square hole.

Will fit all bent Header or Barley Forks.

Nos.	Each	Length, Weight Per	
		Feet	Dozen, Lbs.
AB 4HFK	\$0.45	4	25
AB 4½HFK	.49	4½	27

MANURE FORK



Chucked and bored, without ferrule. Will fit all shank pattern Manure Forks.

Length 4½ feet.

AB 4½CK—Weight per dozen 13 lbs.....Each \$0.33

GARDEN HOE



Chucked and bored, without ferrule. Will fit all shank pattern Garden Hoes.

Length 4½ feet.

AB GHK—Weight per dozen 15 lbs.....Each \$0.23

LIGHT COTTON HOE



Chucked and bored, without ferrule. Will fit all shank pattern Cotton Hoes.

Length 5 feet.

AB 5LCHK—Weight per dozen 14 lbs.....Each \$0.25



Chucked but not bored, without ferrule. Will fit all socket pattern Hoes.

Length 5 feet.

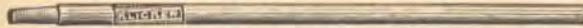
AB 5LCSK—Weight per dozen 14 lbs.....Each \$0.25

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

Klicker AGRICULTURAL TOOL HANDLES

Attractive! Serviceable! Low Priced!

PLANTERS' HOE



Chucked and bored, without ferrule.
Will fit all shank pattern Planters' Hoes.

Length 5 feet.

AB PHK—Weight per dozen 14 lbs.....Each \$0.25

SOUTHERN MEADOW HOE



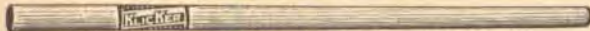
TRINITY PATTERN

Chucked for and will fit all socket pattern Meadow Hoes.
Without ferrule.

Length 5 feet.

AB THK—Weight per dozen 14 lbs.....Each \$0.25

EYE HOE



Swell End—Diameter of butt 1 3/4 inches.
Will fit Eye Hoes Nos. AB KS00 and 00 series and all similar hoes.

Length 5 1/2 feet.

AB 1 3/4 ESK—Weight per dozen 25 lbs.....Each \$0.49

GARDEN RAKE



Chucked and bored, without ferrule.
For Garden Rakes.

Length 5 Feet

AB GRK—Weight per dozen 14 lbs.....Each \$0.25

LONG SHOVEL



REGULAR PATTERN

Not Chucked

With full double bend for plain back or socket strap shovels.

Length 54 Inches

AB LK—Weight per dozen 21 lbs.....Each \$0.45



FEATHER WEIGHT PATTERN

Chucked and Bent

For Dirt Shovel No. AB LHRK; and all similar shovels.

Length 48 Inches

AB 4K—Weight per dozen 18 lbs.....Each \$0.45

SHOVEL AND SPADE



LIGHT WEIGHT PATTERN

Chucked But Not Bored

For Shovels and Spades Nos. AB SBPR1T, AB SLT2S, AB SLT2R, AB SIT1 1/2, AB SIT2 1/2, AB SHST2, AB CLI1 1/2 and AB CLI2 1/2; and all similar shovels.

Length 44 Inches

AB LSSK—Weight per dozen 15 lbs.....Each \$0.39

One-half or one dozen in a bundle.

HEAVY FORK



Special Patented Pressed Steel D With Wood Grip

For Beet Forks Nos.

AB KBF7 and AB FBF7;

Cottonseed Forks Nos. AB K410, AB K412, AB F410 and AB F412; Kaffir Korn Forks Nos. AB K100, AB F100 and AB FF100; Barley Fork No. AB SXD50; Barn Forks Nos. AB KBS, AB KB10, AB FB8 and AB FB10; Vegetable Scoop Forks Nos. AB FV10 and AB FV12; and all similar tools.

Silver bronzed 8-inch tubular ferrule and cap.

Length 30 inches.

AB CFK—Weight per dozen 25 lbs.....Each \$0.75

One-half or one dozen in a bundle.

SPADING FORK



Wood D

Bored, with ferrule. Silver bronzed 8-inch tubular ferrule.

Length 32 inches.

AB 1SFK—Weight per dozen 25 lbs.....Each \$0.79

SHOVEL

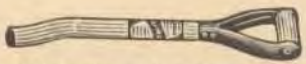


Not Chucked Heavy Steel D, Large Wood Grip

With full double bend. To fit all plain back or socket strap Shovels.

Length 29 Inches

AB DK—Weight per dozen 18 lbs.....Each \$0.49



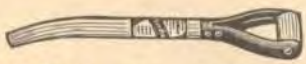
Chucked and Bent Heavy Steel D, Large Wood Grip

For Dirt Shovels Nos. AB DHRK and AB DHSK; and all similar shovels.

Length 26 1/2 Inches

AB DHK—Weight per dozen 21 lbs.....Each \$0.55

SCOOP



Regular Scoop Bend Heavy Steel D, Large Wood Grip

For Grain Scoops Nos. AB CDW and AB KDW; Gravel Scoops AB CDG, AB KDG, AB CDR and AB CDC20; and all scoops with small tapered sockets.

Length 29 1/2 Inches

AB DSK—Weight per dozen 19 lbs.....Each \$0.49

One-half or one dozen in a bundle.

Use
KEEN KUTTER
Cutlery and Tools

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

PENNANT AGRICULTURAL TOOL HANDLES

Serviceable and unusually low priced!
Made of good quality ash—smooth belted finish.

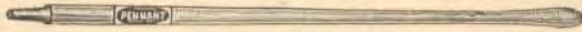
HAY FORK



Bent

Gold bronzed steel strap ferrule and cap, square hole.

Nos.	Each	Length, Feet	Weight Per Dozen, Lbs.
AB PHB4	\$0.35	4	20
AB PHB4½	.39	4½	23
AB PHB5	.45	5	26



Straight

Chucked and bored, without ferrule.

Nos.	Each	Length, Feet	Weight Per Dozen, Lbs.
AB PHC4½	\$0.19	4½	20
AB PHC5	.23	5	22

MANURE FORK



Bent

Gold bronzed steel strap ferrule and cap, square hole.

Nos.	Each	Length, Feet	Weight Per Dozen, Lbs.
AB PM4	\$0.35	4	24
AB PM4½	.39	4½	26

HEADER OR BARLEY FORK



Bent

Gold bronzed steel strap ferrule and cap, square hole.

Nos.	Each	Length, Feet	Weight Per Dozen, Lbs.
AB PHE4	\$0.35	4	23
AB PHE4½	.39	4½	25

One-half dozen in a bundle.

GARDEN HOE



Chucked and bored, without ferrule.

For Garden Hoes, Potato Hooks and Weeding Hoes.

Length 4¾ feet.

AB PGH—Weight per dozen 15 lbs.....Each \$0.15

One-half dozen in a bundle.

COTTON HOE



Chucked and bored, with gold bronzed plain ferrule.

For Cotton and Planters' Hoes.

Length 4½ feet.

AB PCPHE—Weight per dozen 15½ lbs.....Each \$0.19



Chucked and bored, without ferrule.

For Cotton and Planters' Hoes.

Length 4½ feet.

AB PCPH—Weight per dozen 15 lbs.....Each \$0.15

GARDEN RAKE



Chucked and bored, without ferrule.

Length 5 feet.

AB PR—Weight per dozen 20 lbs.....Each \$0.19

LONG SHOVEL



REGULAR PATTERN—Not Chucked

Length 54 inches.

AB PL—Weight per dozen 21 lbs.....Each \$0.35

One-half dozen in a bundle.

The Finest Quality Materials in **KEEN KUTTER**
Axes Combined with Splendid Workmanship
Make Them the Choice of Many Thousands

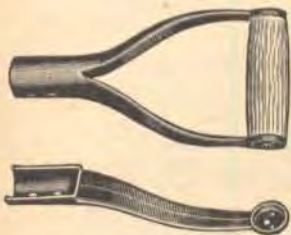
Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

Replacement Parts for Agricultural Hand Tools

Designed just right to fit the tools for which they are made.
Good quality materials, sturdy and long lasting!

STURD-E STEEL D's

Correct handle top for use on short-handled shovels and spades where unusual weight or pressure is required. Strong, roomy and comfortable for the grip. Helps make rehandling easier. More economical as it can be removed from a broken handle and affixed to a new one.



Pressed steel. Black lacquered. Socket 2 inches long, 1 1/8 inches inside diameter. Large, comfortable white ash wood grip. 4 1/8 inches long.

AB TESD—Weight per dozen 6 1/2 lbs. Each \$0.29

Packing—bulk.

MALLEABLE D's

Light Weight



Popular for farm tools because it is light but strong. Malleable iron, plain finish. Large, comfortable wood grip 4 3/4 inches long. Inside width 4 inches.

AB A—Weight per dozen 8 lbs. Each \$0.23

BOLTON & JOHNSON PATTERN Heavy, All Iron



Extra heavy, designed for railroad tamping shovels. Length 6 inches. Inside width 3 inches.

AB BT—Weight per dozen 14 lbs. Each \$0.25

Packing—bulk.

I-D-L PRESSED STEEL D's



Roomy enough for a large gloved hand. Pressed steel, black lacquered finish. Length socket 2 inches, inside diameter 1 1/8 inches. Comfortable black wood grip 4 1/8 inches long.

AB IDL—Weight per dozen 9 1/2 lbs. Each \$0.23

Packing—bulk.

FERRULES



No. AB H



No. AB SH

Tapering

Stamped from heavy sheet steel, plain finish.

HOE

Cupped ends. Length 4 1/2 inches. Largest diameter 1 3/8 inches.

AB H—Weight per dozen 1 1/2 lbs. Each \$0.10

RAKE

Cupped ends. Length 4 1/2 inches. Largest diameter 1 3/8 inches.

AB R—Weight per dozen 1 1/2 lbs. Each \$0.10

HAY FORK

Strapped. Length 10 inches. Largest diameter 1 3/8 inches.

AB SH—Weight per dozen 3 1/2 lbs. Each \$0.15

MANURE FORK

Strapped. Length 10 inches. Largest diameter 1 3/8 inches.

AB SM—Weight per dozen 4 1/2 lbs. Each \$0.15

Packing—bulk.

FERRULE CAPS

For ends of ferrules.



Stamped from heavy sheet steel. Plain finished.

FOR HAY FORKS

Small. 7/8-inch in diameter.

AB HC—Weight per dozen 1/2 lb. Each \$0.05

FOR MANURE FORKS

Medium. 1 1/8 inches in diameter.

AB MC—Weight per dozen 1/2 lb. Each \$0.05

Packing—bulk.

SPADE STEPS



KINK

For Top or Bottom Tiling Spades

Heavy stamped steel. Width of step or lip 3/4-inch. Length over all 4 1/4 inches.

No Bolts or Nuts Furnished

AB S—Weight per dozen 1 1/2 lbs. Each \$0.10

Packing—bulk.

Skilled Carpenters
Know and Prefer
KEEN KUTTER
SAWS

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

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GARDEN PLOWS

Save time and labor. Minimizes your cultivating tasks. Long lasting, sturdy, easy to use.



KEEN KUTTER All-Steel Adjustable

America's finest! Heavy channel steel frame and handles, extra rigid and strong with malleable shaped grips, ventilated to prevent hands from perspiring or blistering. Selected steel wheel, diameter 24

inches with 1¼-inch tread, 8 staggered spokes, special hub and bright steel bushings. Can be adjusted both for pitch of tool and height of handles.

Finished in weatherproof paint—green and red. Red wheel. Polished attachments. Length over all 54½ inches.

Complete with one 5-prong cultivator, one 4-inch shovel, one 2-inch shovel, one special solid moldboard, with landside and one malleable wrench.

AB K25—Weight each 23½ lbs.....Each \$3.65



KLICHER

A strong, sturdy, substantial plow at a thrifty price. Has a wide range of adjustments for handles and attachments. Flat steel 1x1¼-inch frame. Good grade oak bent handles, for comfortable grip. Steel wheel, diameter 24 inches, with six spokes 1¼-inch convex rim. Runs in special steel bushings.

Frame painted green, black wheel, red handles, lacquered attachments. Length over all 42 inches.

Complete with 4-inch carbon steel shovel, 5-prong cultivator and malleable iron wrench.

AB 100SK—Weight each 18½ lbs.....Each \$2.79

Knocked down, one in a bundle, wired.

CULTIVATOR ATTACHMENTS

INVINCIBLE FIVE-PRONG—ADJUSTABLE

Especially adapted for use with AB K25, AB SSG, AB SGP, and AB 100SK garden plows.

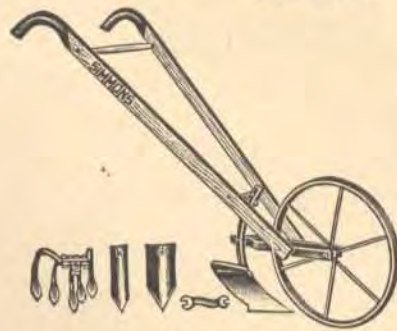
High-grade square steel prongs with forged blades at ends. Each prong held to frame in separate groove, so that one or more prongs can be removed, if desired. Use it for surface cultivation or for plowing to a depth of 3 to 4 inches. Works a strip of soil 9 inches wide. Painted black.

AB 1GC28—Weight each 2½ lbs.....Each \$0.79

One-half dozen in a bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SIMMONS



SOUTHERN GARDENER

Extra strong frame of 1x¼-inch flat steel correctly shaped to permit wide range of adjustments. Strong oak, well varnished handles. Steel wheel, diameter 18 inches with 1¼-inch tread, six tangent spokes.—

Runs on special steel bushing. Slightly convex for easy operation in any soil.

Nicely finished. Red shank and brace. Green wheel arms. Black wheel and attachments.

Complete with one 5-prong cultivator, one 4-inch shovel, one 2-inch shovel, one extra strong moldboard and one malleable wrench.

AB SSG—Weight each 18 lbs.....Each \$3.49



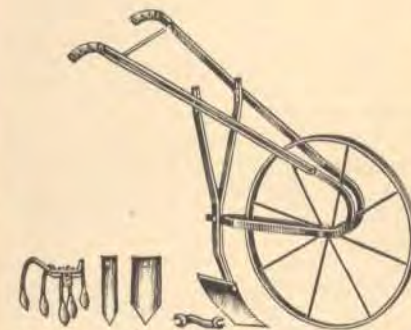
Flat steel 1x¼-inch beam, hook and handle brace, securely bolted. Selected oak handles reinforced at tips to prevent splitting. Waterproof varnish finish. Selected steel wheel, diameter 24 inches with 1x¼-inch tread, with polished steel bushings. Can be adjusted both for

pitch of tool and height of handle.

Attractively finished—red frame, black wheel, green grips and lacquered attachments.

Complete with one 5-prong cultivator, one 4-inch shovel, one 2-inch shovel, one moldboard and one malleable wrench. Length over all 53 inches.

AB SGP—Weight each 20 lbs.....Each \$3.29



Efficient all-purpose garden tool built for long service. Beautifully finished and well made of high-grade materials. Can be adjusted for pitch of tools and height of handles.

Channel steel frame, lacquered red, green and black. One-inch channel steel handles with malleable grips, lacquered green. Steel wheel 24 inches in diameter with 8 staggered spokes and flat rim tread 1¼ inches wide, enameled black. Attachments enameled black. Length over all 54½ inches.

Complete with 1 moldboard plow with landside, 2 shovels—one 4 inches and one 2 inches wide, 1 five-prong cultivator and 1 wrench.

AB SSGP—Weight each 22 lbs.....Each \$3.29

Knocked down, one in a bundle wired.

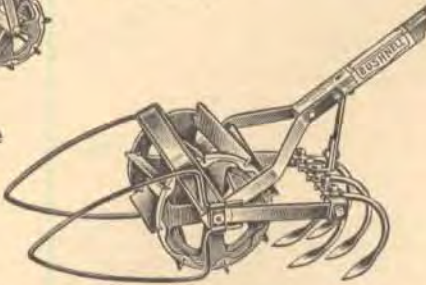
GARDEN MULCHER AND CULTIVATOR



Showing Machine
in Mulching
Position

"BUSHNELL" GARDEN GROWER

A full size, sturdy machine for killing weeds, cultivating and mulching the soil quickly and easily.



Heavy wrought steel reel frame 8¼ inches, with eight 10-inch high carbon steel blades, sharpened. High carbon steel reversible weeding knife sharpened on both edges, and adjustable for depth. Lawn-mower-type varnished maple handle, with heavy cross bar, adjustable for height. Width of cut 10 inches. All metal parts finished in green and silver.

Complete With:

Cultivator—Five shovel type prongs ⅝ inch square spring steel, securely bolted to drawbar. Cultivates full width of machine (10 inches). Prongs detachable and interchangeable.

Leaf Guards—Two-bar one-piece construction, oscillating, full-floating and detachable.

AB 10B—Weight each 18 lbs.....Each \$5.75

One in a carton (assembled), handles shipped separate.

GARDEN CULTIVATORS



NEW IMPROVED EASY GARDEN RAISER

Provides a better, easier, faster way to care for the garden.

Kills all weeds, and thoroughly cultivates the soil and leaves it perfectly mulched.

Eight revolving blades chop the soil surface. A cutting blade just below the surface cuts through weed roots and soil. This combined action chops up all clods, cuts up the weeds, shakes off the dirt, leaving

them on top of the ground, to dry and die.

Frame made of rust-resisting galvanized steel. High carbon steel revolving cutters and double edge underground cutter. Heavy flat steel braces and handle brackets. Substantially constructed, well riveted and bolted. Hardwood handle, with cross bar, varnished in natural finish, length 40 inches.

Complete With:

Three well-crowned, correctly shaped high carbon steel shovels 7½ inches long, for deep cultivation.

Two four-bar, permanently attached, reversible wire leaf guards.

Standard, Width 8½ Inches

AB 8½—Weight each 19 lbs.....Each \$5.25

Perfect, Width 10½ Inches

AB 10½—Weight each 20 lbs.....Each 5.75

Packing—bulk. Knocked down for shipment.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

GARDEN CULTIVATORS

NEW AMERICAN GARDENER With Permanent Attachments



Combines all the tools necessary to do the work required in present-day gardening—without back-breaking labor. It hoes, plows, mulches, pulverizes, cultivates! Height can be adjusted as desired for individual comfort. The 49-

inch hardwood handles, natural with green painted hand grips have a spread of 20 inches.

Frame and handle braces heavy wrought steel, painted green. Steel wheel, diameter 14 inches, tread 1¼ inches, with oval spokes painted black. Length over all 62½ inches. All tools permanently attached to revolving center. The mulcher-pulverizer and adjustable cultivator teeth are fully assembled ready for use.

Complete With:

Thin blade polished scuffle hoe, width 9 inches.

Drill or trenching plow, length 4½ inches.

Mulcher-pulverizer.

Five forged steel adjustable cultivator teeth.

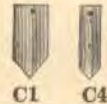
AB G2—Weight each 23 lbs.....Each \$6.25

All metal parts in a wood box. Handles wired in pairs and wrapped in paper.

REPAIRS FOR GARDEN PLOWS



Nos. KH and
SKW



C1 C4



C2LP, C2LR

GARDEN PLOW WHEELS

Cast hub; tangent ¼ inch; round spokes; ¼x¼ inch rim; diameter 23¼ inches.

AB KW—For **KEEN KUTTER** Plow No. AB K25; 8 spokes; flat rim; red finish; weight each 5 lbs.Each \$1.20

AB SKW—For **SIMMONS** No. AB SGP and **KLICHER** No. AB 100SK Plows; 8 spokes; flat rim; black finish; weight each 4¾ lbs.....Each \$1.15

GARDEN PLOW SHOVELS

Oil tempered steel, tumbled lacquered finish; length 8 inches.

For **KEEN KUTTER** No. AB K25, **SIMMONS** No. AB SGP and **KLICHER** No. AB 100SK Plows.

AB C1—4 inches wide; weight each ¾ lb.....Each \$0.29

AB C4—2 inches wide; weight each ½ lb.....Each .25

GARDEN PLOW MOLDBOARDS

AB C2LP—For **KEEN KUTTER** Plow No. AB K25; one piece plow and landside; oil tempered steel; full polishedEach \$0.65

AB C2LR—For **SIMMONS** Plow No. AB SGP; plow with landside; tempered steel, tumbled lacquered finishEach \$0.60

Weight each 1¼ lbs.

Packing—bulk.

SEED SOWERS

For Easy, Accurate Planting
Use These Time-saving Seed Sowers

The seed bag, of heavy white duck, has a wide tape shoulder strap, so that the sower may be carried comfortably. Seed or grain flows smoothly and with regularity—none wasted.



CAHOON

Just turn the crank as you walk and the sower will do the rest.

Japanned, sheet steel, tapering hopper 11 inches wide, 8½ inches long at top. Breast plate 11x10 inches; stamped brass distributing funnel with four partitions; front, diameter 5¼ inches. Adjustable large and small feed gates. Japanned malleable iron cast-

ings. Large driving gear 8 inches in diameter with hardwood handle; beveled intermediate gears. White duck bag laced to hopper easily removed for cleaning. Capacity of hopper 22 quarts.

AB 5—Weight per dozen 90 lbs.....Each \$5.85

Note—The breadth of cast will depend upon the weight of seed or grain, but ordinarily the cast will be as follows: Wheat or rye, 30 to 36 feet; barley, 27 to 33 feet; hemp, 27 to 30 feet; oats, 21 to 25 feet; clover, millet, alfalfa, hungarian, 20 to 24 feet; timothy, 15 to 18 feet; blue grass, 8 to 12 feet.

Packing—bulk.



CYCLONE DOUBLE FEED

For sowing alfalfa, clover, timothy and all other seeds that can be sown broadcast. Light running—good for many seasons. A strong fan sows seed from side to side and forward, evenly and without waste of seed.

Kiln-dried hardwood base, painted red. Cast-iron gearing and steel distributing wheel. Adjustable double feed,

with stop. Heavy steel wire crank with wood grip. The white duck bag is tacked to base. All metal parts black enameled. Capacity of bag ½ bushel.

AB 8—Weight per dozen 44 lbs.....Each \$2.59

One-sixth or one-fourth dozen in a carton.



TIN HORN Swing Funnel from Side to Side to Scatter Seed

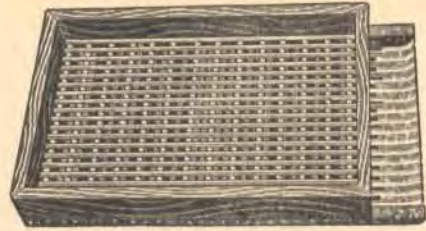
Select white duck bag 15½ inches long, 14 inches deep, with 11-inch extension or funnel of same material sewed to tin distributing funnel. The funnel is in four joints; collapsible to 13½ inches or can be extended to 22 inches in length over all. Diameter at base 1¼ inches, at end ¾ inch. Adjustable feed gate in base or stub joint; tinned wire guards at opening. Entire seeder can be folded into space of about 11x2½x2 inches and carried readily in the pocket.

AB 9—Weight per dozen 8 lbs.....Each \$0.89

Wrapped in paper.
One dozen in a crate.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SEED CORN GRADERS



PERFECTION

Separates imperfectly formed kernels from the perfect ones, after corn is shelled. By simply agitating the grader, kernels are gently forced through a series of corrugated and perforated metal sheets, and separated into four grades. Capacity 6 to 8 bushels per hour.

Sturdy hardwood frame, painted red. Heavy galvanized bottom. A hinged frame on the top section permits kernels to pass out without turning grader over. There are two galvanized, corrugated and perforated screens, the lower one having transverse corrugation, which keeps the corn constantly moving. Dimensions of grader: Length 19 inches; width 11 inches; height 3¼ inches.

AB 1—Weight per dozen 63 lbs.....Each \$1.39

Packing—bulk.

CORN PLANTERS



TRIUMPH

Japanned sheet steel covered hopper connected to sliding feed channel which automatically and quickly drops the

seed into steel shoe 2¾ inches wide. Varnished hardwood uprights, securely bolted to wood grip handles. Length over all 34½ inches. Diameter hopper 2¾ inches, depth 9¾ inches.

AB T—Weight per dozen 51 lbs.....Each \$1.19

One dozen in a carton.

BUSH HOOKS

Serviceable, high quality tools for cutting bushes, clearing out underbrush, tree sprouts and thick shrubbery.

STRAP EYE PATTERN—WITH HANDLE

KEEN KUTTER Medium Weight



Forged from high-grade steel, extra tempered. Gold bronzed, polished edge. Length of cut 10 inches, width of blade 3 inches, extreme width 6 inches. Fitted with extra quality 36-inch hickory handle.

AB K95—Weight per dozen 65 lbs.....Each \$2.19

One dozen in a wood box.



SIMMONS

One-piece high-grade forged steel blade and front eye, steel strap rear eye, bolted. Blade tempered, red enameled with polished cutting edge. Blade length 10¼ inches, width 2¾ inches. Good grade ivory lacquered hickory handle 36 inches long, with black lacquered tip.

AB S175—Weight per dozen 48 lbs.....Each \$1.98

One-half dozen in a case.

CORN HOOKS

• Well made of good materials.



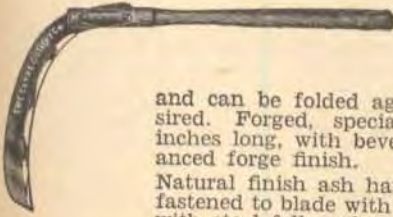
C. C. BROOKS

The teeth engage instantly on coming in contact with cornstalks and cut fast and easy.

Steel blade 13 inches long, with corrugated teeth on one side only that will not grind off. Natural finish hardwood handle 18 inches long.

AB CCB—Weight per dozen 12 lbs.....Each \$0.59

One dozen in a carton.



CLYDE—ADJUSTABLE

Blade adjustable to two positions, and can be folded against handle if desired. Forged, special steel blade 10½ inches long, with bevel ground edge, balanced forge finish.

Natural finish ash handle 18 inches long, fastened to blade with two bolts reinforced with steel felloe plate on each side.

AB 42—Weight per dozen 17 lbs.....Each \$0.35

One dozen in a wood box.

CANE KNIVES



STRAIGHT HOOK

High-grade spring steel polished blade, length 11¼ inches, 4¾ inches wide at end, 2¾ inches wide at handle. Hard-

wood handle secured with four steel rivets. Length over all 19¾ inches.

AB 12—Weight per dozen 12 lbs.....Each \$0.69

One dozen in a carton.

HOOK-UP CORN KNIVES



The "hook-up" feature enables you to quickly pick up either lean-

ing or fallen stalks and does away with the tiresome stooping and gathering up by hand, before cutting. With this style blade it is possible to cut 25% more corn per hour, with considerable less physical effort, than with ordinary corn knife.

High-grade, heavy-gauge steel blade, tempered finish; two hooks on back; half tang natural finish hardwood handle fastened to blade with three steel rivets. Blade length 16 inches, 2¾ inches wide at front, 1½ inches at rear.

AB 1160—Weight per dozen 13 lbs.....Each \$0.49

One dozen in a carton.

CORN KNIVES

HARDENED, TEMPERED AND SHARPENED

Well made and nicely finished. Shank of blade extends 5 inches into handle and is secured by three iron rivets.



KEEN KUTTER

High-grade steel blade, full polished. Length

15 inches, width at front 3 inches. Varnished hardwood handle, length 6½ inches.

AB K89—Straight blade. Weight per dozen 12 lbs.Each \$0.45



SIMMONS

High-grade polished steel blade, length

15 inches, 3 inches wide at front. Natural finish hardwood handle, length 6½ inches.

AB SC—Curved blade.....Each \$0.39

AB SS—Straight bladeEach .39

Weight per dozen 12 lbs.



KLICHER

Special steel blade, natural black finish.

Length 15 inches, width at front 3 inches. Natural finish hardwood handle, length 6½ inches.

AB 2K—Straight blade. Weight per dozen 12 lbs.Each \$0.30

One-half dozen in a carton.



KLICHER

Carbon tool steel blade, temper finish.

Length 16 inches, greatest width 3 inches. Natural finish shaped smooth wood handle, length 6½ inches.

AB 2SK—Scimitar pattern. Weight per dozen 11 lbs.Each \$0.35

One dozen in a carton.



VILLAGE BLACKSMITH

Suitable for corn or light hedges.

Forged cutlery steel blade, tempered, hand ground. Length 18 inches, width at handle 1½ inches, at tip 2 inches. Varnished maple handle fastened to blade with heavy steel rivets.

AB 2—Weight per dozen 15 lbs.....Each \$0.65

One dozen in a wood case.

Buy and Try Anything with the

KEEN KUTTER Trademark on It.

You'll Be More Than Pleased

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

BEET TOPPING KNIVES

Well constructed of high quality materials—will give long and satisfactory service.



CLYDE

Special cutlery steel 12-gauge polished blade. Through tang. Drop forged, tough steel hook 2¼ inches long. Beechwood handle secured to shank with three brass saw rivets.

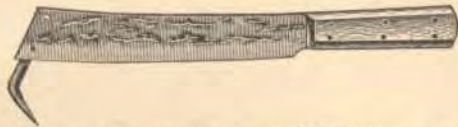
Nos.	Each	Length Blade, In.	Greatest Width of Blade, In.	Wt. Per Doz., Lbs.
AB 4024½H10	\$0.65	10	1¾	8½
AB 4024½H12	.75	12	1¾	9¾



CLYDE

Special cutlery steel 12-gauge polished blade. Through tang. Drop forged, tough steel hook 2¼ inches long. Beechwood handle secured to shank with six steel rivets. Length blade 10 inches, greatest width 1¾ inches.

AB 24½H10—Weight per dozen 8½ lbs.....Each \$0.60



Natural forge finish 12-gauge special cutlery steel blade. Through tang. Length blade 10 inches, greatest width 1¾ inches. Flat forged steel hook 2¼ inches long. Beechwood handle, length 5½ inches, secured to shank with six steel rivets.

AB 25—Weight per dozen 8 lbs.....Each \$0.55



Natural finish 12-gauge chill hardened steel blade with bright cutting edge. Through tang. Blade length 10 inches, greatest width 1¾ inches. Drop forged steel hook 3 inches long, securely riveted. Beechwood handle fastened with six steel rivets.

AB 4½FFH10—Weight per dozen 6½ lbs.....Each \$0.45

One-half dozen in a carton.

**OUR LINE OF FARM TOOLS
IS COMPLETE**

Send Us Your Orders

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HEDGE KNIVES

KEEN KUTTER

The high quality material used in **KEEN KUTTER** hedge knives makes them stronger and more resistant to wear.



Two-hand style

A light weight, serviceable, long-handled knife, specially designed for cutting light, green hedges.

Concave blade forged from high-grade tool steel and accurately tempered. Natural black finish with polished cutting edge—length 16 inches, width 1½ inches. Selected hickory handle 20 inches long with steel ferrule. Tang of blade secured by two steel rivets.

AB K1620—Weight per dozen 20 lbs.....Each \$2.19

One dozen in a wood box.



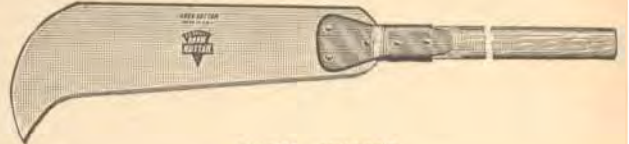
High-grade steel blade, 13-gauge, full polished and etched—length 17 inches, width at front 3 inches. Applewood handle, length 7 inches, secured with three rivets.

AB K41—Weight per dozen 15 lbs.....Each \$0.69

One-half dozen in a cardboard box.

DITCH BANK BLADES

For clearing weeds and brush from ditch banks . . . along railroad right-of-ways or any hillside where the pitch is too steep for a scythe. They are also ideal for certain types of tree trimming.



KEEN KUTTER

SOCKET PATTERN

Highest grade tempered and polished tool steel blade with curved end—length 21 inches, width 8 inches. Cutting edge length 19½ inches. Natural finish straight grained hardwood handle, length 49½ inches. Extra heavy steel gold bronzed socket. Blade riveted to socket and handle. Length over all 71 inches.

AB KDB—Weight per dozen 75 lbs.....Each \$2.19



Straight handle used on AB DB



Axe type handle used on AB DB42

ATKINS'

Silver steel 15-gauge polished blade—length 21 inches, width 7½ inches. Cutting edge 18 inches. Natural finish handle with steel plate on each side riveted on.

AB DB—With 48-inch straight beechwood handle.

Weight per dozen 60 lbs.....Each \$2.19

AB DB42—With 42-inch axe type hickory handle.

Weight per dozen 55 lbs.....Each 1.98

One dozen in a case.

HEDGE SHEARS

KEEN KUTTER

Serrated

The finest hedge shear made. Highest quality for faster, easier hedge trimming! Has saw tooth edge which keeps the twigs from slipping. New large bolt and nut holds the adjustment. Improved shaped handle gives a better grip and balance.



High-grade cutlery steel blades with long bevels and thin edge, hardened and tempered, hollow ground and beautifully polished. Top blade has sharp hooked teeth. Notch in blade for cutting large twigs and heavy branches. Natural colored varnished handles with red trim just above the steel ferrules. The tang extends through the entire handle and is bolted at end. Length blades 9 inches.

Length handles 10 inches. Length over all 22 3/4 inches.

AB KBT9S—Weight per dozen 36 lbs.....Each \$2.95

KEEN KUTTER

Serrated

America's finest!

Ideal for use on hedges of small and large growth.

The serrated lower blade makes cutting easy, holds as it cuts.

One-piece special forged steel blades, shanks and tangs. Blades 1 3/8 inches wide, hollow ground, hardened, tempered and polished.



Strong bolt and nut with shakeproof lock washer permits tension regulation. Round hardwood handles 10 inches long, walnut weatherproof finish, with brass-plated steel ferrule. Rivet through handles, ferrules and tangs.

Nos.	Each	Lgth. Blade, In.	Lgth. Over All, In.	Wt. Per Doz., Lbs.
AB K8S	\$2.59	8	21 3/4	33
AB K9S	2.79	9	22 3/4	35

SIMMONS

Sturdy, well constructed shears. Both blades notched for easier cutting of large twigs and shoots.

Forged steel blades and shanks—blades nicely polished, shanks natural finish. Heavy steel nut, bolt and split washer at joint.

Mahogany finish hardwood handles 10 1/4 inches long, with heavy steel ferrules riveted.



Nos.	Each	Lgth. Blade, In.	Lgth. Over All, In.	Wt. Per Doz., Lbs.
AB S8W	\$1.75	8	18 1/4	30
AB S9W	1.98	9	19 1/4	35
AB S10W	2.19	10	20 1/4	40

One-half dozen in a carton.

HEDGE SHEARS

KLICKER

Serviceable!

Economical!

Both blades notched for cutting large twigs and stems.

One-piece steel blade, shank and tang. Blades hollow ground, semi-polished finish—width 1 3/8 inches. Heavy bolt and nut with split washer. Round maple handles 10 1/2 inches long, natural Steel ferrules.



finish with green enameled tips.

Nos.	Each	Lgth. Blade, In.	Lgth. Over All, In.	Wt. Per Doz., Lbs.
AB 8K	\$1.00	8	22	33
AB 9K	1.29	9	23	35

TRUE-KUT

A fine shear with the new sliding draw-cut action. One-piece high-grade cutlery steel blades, shank and tang. Blades are hollow ground with long bevels and a highly polished finish. Lower blade is notched and serrated. Polished steel bolt and nut with lock washer. Slim pattern hardwood ebony finished handles with orange tips and orange stripes. Long steel ebony finished ferrules. Length of blade 9 inches. Length of handle 11 inches. Length over all 23 inches.

AB 1209—Weight per dozen 40 lbs.....Each \$2.49



Ladies' Light Weight



Smaller in size, lighter in construction, these shears are very handy for small trimming jobs. Economically priced.

Carbon steel blades 6 inches long—ground, bright finish. Red enameled hardwood handles, 7 inches long, with steel ferrules. Length over all 16 inches.

AB 06—Weight per dozen 18 lbs.....Each \$0.89

One-half dozen in a carton.

BOUQUET HOLDERS

SAVORY (CEMETERY VASES)



High-grade steel vase, water-tight and well constructed. Finished in weather-resisting green japan enamel. Vase 3 3/4 x 6 3/8 inches supported by a removable wire stem; sturdy prongs take a firm hold in ground. Height over all 10 1/2 inches.

AB 35—Weight per dozen 4 lbs.....Each \$0.10

Three dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

PRUNER—TRIMMER



KEEN KUTTER

Finest quality! Saves you time and money in pruning work!

The right tool for orchard owner, nursery man, berry raiser or for general trimming around the home. Highest grade materials—strong, durable construction. Cuts 1/2 inch limb easily. A pull on the slide lever handle cuts the branch and the spring draws back the blade for the next cut.

Selected natural finish basswood 3/8 inch square, with rounded corners. Two-piece high carbon tool steel hook, firmly riveted together. High carbon tool steel blade. Sides of hook extending down the pole 4 1/2 inches are firmly riveted. Hardwood slide lever handle. Round wire operating rod with spring to hold blade open. Length over all 51 inches.

AB KHP4—Weight per dozen 19 lbs.....Each \$1.00

One-half dozen in a bundle.

TREE PRUNERS

Keep your trees carefully pruned and trimmed—for their beauty and health. These tools will do the job correctly, and with the least expenditure of time and effort. Preferred by professional orchardists, foresters, farmers and nursery men.



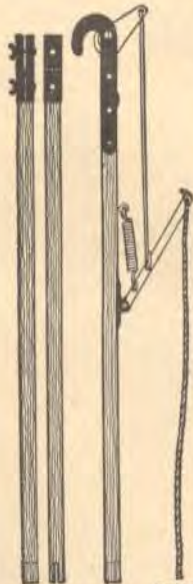
KEEN KUTTER

America's finest! Operated by a lever connected to blade by a strong wire. Easily cuts one-inch branches.

Strictly first-grade materials throughout. Select hardwood pole, natural finish. Forged steel hook, painted red, firmly riveted to handle. Tempered forged tool steel draw cutting blade 4 3/4 inches long. Steel lever handle, painted red, extends clear through hardwood grip and end is riveted to prevent loosening. Clip in which handle works is bolted to pole. Length of lever handle 13 inches.

Nos.	Each	Length Over All, Feet	Weight Per Dozen, Lbs.
AB K110	\$2.15	10	52
AB K112	2.35	12	64

One dozen in a bundle, heads burlapped, handles wrapped in paper.



TIP TOP

This full 12-foot tree pruner can be set up and taken down easily and quickly. A pull on the rope cuts the branch and the spring opens the pruner for the next cut. Can be used as 4-foot, 8-foot or 12-foot pruner. Three-section pole is of light, strong airplane spruce, with simple, positive joints.

Heavy wrought steel hook, riveted to pole. Hardened and tempered cutlery steel blade. Steel operating lever with rod and spring. Handle stained green. All metal parts black enameled. Complete with braided white sash cord.

Full length 12 feet. Additional 4-foot sections can be purchased and added to pole if needed.

AB 1312—Complete. Weight per dozen 64 lbs.....Each \$2.50

One in a carton 48x5x1 1/2 inches. One-half dozen in a case.

EXTRA POLE SECTIONS

AB 13S—Length 4 feet. For No. AB 1312 tree pruners. Weight per dozen 17 lbs.....Each \$0.75

Two dozen in a carton.

PRUNING SHEARS

LONG HANDLE

Allows greater freedom in pruning trees, high-up limbs and shrubbery in places hard to reach.

KEEN KUTTER America's Finest



Curved blade and hook, forged from high-grade steel, tempered and polished. Ratchet tightening nut permits tension adjustment. Extra heavy steel bronzed strap sockets. Hardwood handles, natural finish, riveted through ferrule and tang. Length blade and hook 3 1/2 inches, length handles 24 inches, length over all 30 inches.

AB K30—Weight per dozen 42 lbs.....Each \$2.45
One in a paper bag.

REPAIRS FOR AB K30 PRUNING SHEARS

AB K30EH—Handle only. Weight each 1 1/4 lbs.Each \$0.60

AB K30BN—Ratchet, bolt and nut. Weight each 1/8 lb.Each .60

Packing—bulk.

SIMMONS

High quality for long service!



HEAVY DUTY

Heavy steel curved blade and hook, length 3 1/2 inches, tempered and polished. Heavy steel bolt and nut at joint. Natural finish hardwood handles and caps. Length blade and hook 3 1/2 inches. Length handles 24 inches.

with gold bronzed steel strap ferrules and caps. Length blade and hook 3 1/2 inches. Length over all 30 1/2 inches.

AB S24—Weight per dozen 48 lbs.....Each \$1.95



Heavy curved forged steel blade and hook, length 3 inches. Offset shank. Heavy hinge bolt and nut. Varnished hardwood handles, with extra heavy steel bronzed strap sockets. Length blade and hook 3 inches. Length handles 20 inches. Length over all 23 inches.

AB S20—Weight per dozen 41 lbs.....Each \$1.79

One dozen in a case.



CLYDE—DRAW CUT

The special construction of this shear produces a powerful sliding cut movement of the blade which cuts easily through thick, hard branches and twigs.

Forged tool steel blade, hook and shank held together with a hardened steel bolt and lock nut, with wearing washer under bolt head.

Natural finish, second growth Northern ash handles, reinforced with bronze lacquered pressed steel strap ferrules and caps. Length blade and hook 3 3/4 inches. Length handles 24 inches. Length over all 40 inches.

AB 540224—Weight per dozen 70 lbs.....Each \$3.45

One dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

PRUNING SHEARS



BERNARD'S "LOPWELL"

Strong, sturdy with maximum shearing action.

Heat-treated tempered tool steel offset cutting blade, highly polished and uniformly beveled. Heat-treated tool steel hooked anvil. "Shakeproof" lock washer assembly. Tang extends 3 inches into handles. First-quality, tough, light weight ash handles with reinforced 10-inch strap ferrules. Length over all 26 inches.

Painted assorted colors: red, blue and green.

AB 7526—Weight per dozen 37 lbs.....Each \$1.65

One-half dozen in a burlapped bundle.



ESSEX LOPPING

Ideal for use in orchard or garden. And the price is moderate. Tempered steel blade and hook, natural black finish, securely riveted to strong, unbreakable, green enameled

$\frac{3}{8} \times \frac{3}{8}$ inch flat steel handles. Natural finish wood grips, 5 inches long, riveted on. Large strong rivet at joint. Length handles 22 inches. Length over all 25 inches.

AB 3—Weight per dozen 38 lbs.....Each \$1.10

One dozen in a carton.

KEEN KUTTER

REISER PATTERN

A rugged, high-quality, easy-cutting pruner. Preferred by experts for heavy duty work.

Drop forged steel, full polished. Specially tempered hook; high carbon tool steel blade riveted to frame, ground to assure a clean, easy cut. Ratchet adjustment. Flat brass double springs between handles. Clip for holding closed. Length over all 8 $\frac{1}{2}$ inches.

Complete With One Extra Blade and Rivets

AB K200—Weight per dozen 13 $\frac{1}{2}$ lbs.....Each \$2.45

One in a box. One-half dozen in a carton.

EXTRA PARTS FOR No. AB K200 PRUNING SHEARS

AB KBS—Brass spring. Weight per dozen 6

ozs.Each \$0.29

AB KBRN—Bolt and nut. Weight per dozen 12

ozs.Each .29

AB KB—Blades. Weight per dozen 12 ozs.....Each .39

Packing—bulk.



SNAP CUT

Rugged, powerful, durable, clean cutting. The thin, keen blade cuts onto a soft metal block with a

long shearing or drawing cutting action. Will cut $\frac{1}{2}$ inch seasoned hardwood, $\frac{3}{8}$ inch greenwood and the smallest twigs and twine. Can be easily honed.

Special tool steel blades. Chromium finish steel non-pinching handles. Finger guard holds the hand in natural, comfortable position. Case hardened bolt with brass nut that will not rust tight to bolt. Spring lock washer, steel wire end fastening clip. Length over all 7 $\frac{3}{4}$ inches.

AB 119—Weight per dozen 8 lbs.....Each \$1.95

One-half dozen in a display box, one-half dozen boxes in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

PRUNING SHEARS

SIMMONS

High quality for long service!

CALIFORNIA PATTERN

Extra rugged and efficient.



Blade and handles of one-piece high-grade forged steel. Polished head and blades. Red enameled handles with black ends. Equipped with double flat brass springs and ratchet nut. Spring wire clip on end holds blades together when not in use. Length over all 9 inches.

AB S89—Weight per dozen 11 $\frac{1}{2}$ lbs.....Each \$1.19



Blades and handles one-piece high-grade forged steel. Blade and head polished. Handles enameled red.

Quick-acting volute spring. Plain nut and bolt at joint. Spring wire end clip. The blades are carefully ground and tempered and can be resharpened. Length over all 9 inches.

AB S505—Weight per dozen 10 $\frac{1}{2}$ lbs.....Each \$0.89



Heavy malleable iron handles and hook. Polished hook. Red and black enameled handle. Hardened, tempered, polished steel blade riveted to head.

Plain nut and bolt at joint. Quick-acting volute spring. End catch to hold handles together. Length over all 9 inches.

AB S50—Weight per dozen 12 lbs.....Each \$0.69



Heavy malleable iron handles and hook. Hardened and tempered polished steel blade, riveted to head. Plain nut and bolt at joint. Quick acting

volute spring. Green enameled handles. End catch for holding handles together. Length over all 9 inches.

AB S60—Weight per dozen 12 lbs.....Each \$0.59

One in an individual box. One-half dozen in a carton.

Serviceable! Practical! Low Priced!



Blades and handles one-piece solid forged steel. All red enameled with polished cutting edge.

Plain nut and bolt at joint. Quick acting volute spring. Spring wire end clip for holding handles together! Length over all 9 inches.

AB S501—Weight per dozen 11 $\frac{1}{2}$ lbs.....Each \$0.49

One-half dozen in a carton.



A light weight, serviceable pruner at a surprisingly low cost! Just the tool for odd pruning jobs about the yard and garden.

Cast-iron handles, green enameled finish. Hardened bright steel blade riveted on. Plain nut and bolt. Quick-acting volute spring. Wire catch between handles. Length over all 9 inches.

AY 225—Weight per dozen 9 lbs.....Each \$0.25

One dozen in a carton.

FLOWER SHEARS



ACME GARDEN CLIPPER

Snips the flower and holds it as it cuts without injury to stem! Protects the hands from thorns, scratches and cuts. Has nickel-plated steel flower holding device with knurled edge actuated by tempered spring steel wire. Automatic in operation—will not get out of order.

High-grade forged steel. Length 6 3/4 inches. Improved jaws 1 3/4 inches. Durable, lustrous nickel finish. Flower green enameled rustproof handles.

AB 750—Weight per dozen 4 1/4 lbs.....Per Pair \$0.49

Each pair in an envelope. One dozen in an attractively colored display carton.

GRASS SHEARS



KEEN KUTTER

Finest quality shear steel blades, hardened, tempered and finely polished. Cutting edge 5 1/2 inches. Refined malleable iron handles, orange and black enameled

finish. Tempered coil spring. Nickel-plated steel latch between handles. Length over all 12 1/2 inches.

AB K09—Weight per dozen 11 lbs.....Each \$0.89

One dozen in a carton.



SIMMONS

For quick, easy cutting.

Oil tempered hollow ground cutlery steel blades, natural finish outside,

bright ground finish inside. Cutting edge 5 1/2 inches. Coppered steel wire coil spring. Green enameled malleable iron handles. Coppered steel wire latch between handles. Length over all 12 1/2 inches.

AB 88—Weight per dozen 13 lbs.....Each \$0.49

One-half dozen in a carton.



CRONK

Carbon steel blades, riveted to smoothly finished green enameled cast handles. Tempered coil

spring; catch between handles. Cutting edge 5 1/2 inches, length over all 12 1/2 inches.

AB 519—Weight per dozen 10 lbs.....Each \$0.29

One dozen in a carton.

GRASS SHEARS

KEEN KUTTER

America's finest!



LEVEL CUT

Makes grass cutting easy. They have an easy-cutting motion with arm and hand in

comfortable, natural position. One blade is stationary, the other movable.

Movable blade correctly placed for greatest leverage and is operated by a side-arm connected to lower handle.

Unbreakable coil spring in handle adjusts tension of blades to suit any hand, cone-shaped pivot spring keeps proper tension on blades. Highest quality materials carefully assembled and adjusted to give the most satisfactory results.

High carbon steel hollow ground forged blades, hardened, tempered and nicely polished. Cutting edge 4 inches. Green enameled handles. Cadmium finish side-arm and tension springs. Length over all 10 3/4 inches.

AB K37—Weight per dozen 17 lbs.....Each \$0.98

One in a cardboard box.

Handles fit the hand with a natural grip and are offset to prevent skinning of knuckles. Spring tension washer keeps shears in permanent adjustment.

SNIP-IT

A handy tool for trimming edges and borders along walks and around shrubbery. Up and down motion allows natural



hand and arm position at all times.

Blades are case-hardened steel, mottled finish. Wrought steel frame and handles with pinchproof extension. Tilting toggle stud makes shears self-sharpening. No adjustments required. Semi-loose assembly reduces friction. Length cutting blades 4 1/2 inches. Length over all 10 1/2 inches.

AB 1—Weight per dozen 14 lbs.....Each \$0.98

One in a carton. One-half dozen in a corrugated shipping container.

SIMMONS SINGLE BOW



Fast cutting, high quality shears, one piece—nothing to adjust. Straight blades, trowel shanks and

strong, flexible spring tempered bow forged from one piece of steel. Tempered, set and sharpened steel blades, with polished face and half polished back. Polished grips. Length blades 5 1/2 inches. Length over all 13 inches.

AB S93—Weight per dozen 9 lbs.....Each \$0.49

One-half dozen in a carton.

EXPERIENCED HOUSEWIVES
go for
Polly Prim
KITCHENWARE

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

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LAWN WEEDERS

DOO-KLIP

This very practical weeder can be operated effectively from an erect position without injury to the turf. Positively removes weeds quickly, easily, and accurately whether lawn is wet or dry.



All-steel construction. High carbon cold-rolled steel blade and raker hook, tempered and case hardened. Blade is serrated and curved to facilitate entering and cutting root. Pinchproof grips mounted on 32-inch seamless tubular steel handle.

Both grip and handles are jade green enameled. Blade and raker hook in Udylite rustproof and acidproof finish. Each weeder equipped with slip cover over the head. Length over all 41 1/4 inches.

AB DKW—Weight per dozen 28 lbs.....Each \$1.75

One-half dozen in a carton.

TURF EDGERS



SIMMONS

SHANK PATTERN

Edges around walks, drives and flower beds can be kept carefully trimmed with this handy turf edger. Circular blade has sharp cutting edge that penetrates the soil and turf easily. Flanged flat top makes comfortable foot step when pressure is required for thick sod or hard packed soil.

Polished rounded blade, with flanged flat top. Bronzed round end steel ferrule, gold bronzed cap. Handle selected straight ash, polished and lacquered. Width cut 9 inches, depth blade 5 inches.

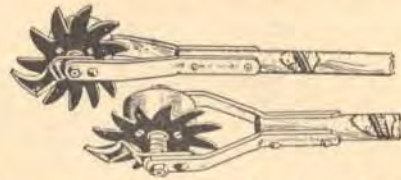
No.	Each	Length Handle, Feet	Wt. Per Dozen, Lbs.
AB STE40	\$0.85	4	32

One dozen or one-half dozen in a bundle. Heads and handles wrapped in paper.

KEEN KUTTER

Quality Saves You
Time,
Effort and Money

LAWN EDGERS



MULTI-SHEAR

This is a handy tool to remove grass around walks and curbs easily and with little effort. Cuts with a shearing action. Cutter very sturdily constructed. Hardened 16-gauge steel blade, 5 1/2 inches diameter, with twelve shearing teeth, bolted to accurately machined heavy cast iron rubber-tired pulley. Hardened steel stationary side cutter blade, 12-gauge, bolted to frame with heavy steel spring to keep correct shearing tension. 2 3/4 x 3/8-inch cap bolt, with 1/2 x 1 1/4-inch cold rolled steel spacer and bearing. Blue and red finish head. Natural finished hardwood handle, with 2 coats of shellac. Length 40 inches.

AB 175MS—Weight per dozen 50 lbs.....Each \$1.69

One-half dozen in a wood box.

PERFECTION

Makes the edging of lawns as simple as mowing. Cuts clean and straight and does the work much faster than ordinary edgers.

- It cuts with a shear-like action.

- Its circular, saw-toothed blade rips through the grass and sod very easily.

- Another sharp blade cuts with razor smoothness.



Round saw-toothed tool steel blade, 5 inches in diameter. With sharpened tool steel shank. Blade 1 1/4 inches wide. Guide flange 3/4 inch wide. Depth of cut 1 1/2 inches. Blue painted wood handle 40 inches long.

AB PLE—Weight per dozen 23 lbs.....Each \$0.79

One dozen in a bundle.

LAWN EDGER AND WEEDER



Cuts a beveled trench 1 1/2 inches deep along the edge of sidewalks, driveways and flower beds. Cuts trench wide enough to allow wheels of a lawn mower to run in it

and cut grass as close as desired. Cuts a better channel when the ground is slightly damp. Can also be used as a weed extractor by placing point of blade close to root. Push down as deep as desired and pry out root.

Steel blade natural finish, varnished—cutting edges tempered and sharpened. Depth of channel gauged by flat side of blade 1 1/2 inches wide resting on edge of walk. Varnished hardwood handle 39 inches long, with wood grip and malleable D handle, riveted into malleable iron socket. Blade length 12 inches. Mouldboard, height 3 1/2 inches. Length over all 48 inches.

AB FL—Weight per dozen 35 lbs.....Each \$1.35

One-half dozen in a bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

WEED CUTTERS

KEEN KUTTER America's Finest



Diamond-Shaped Cutting Edge

The cutter blade is composed of a double row of binder blade sections having diamond-shaped cutting surface that insures a slicing stroke. Sharp serrations on blades add the action of a saw to the keen edge. Blade sections easily removed for sharpening or replacing when necessary.

Blade sections are oil tempered, soft-center steel, giving a hard cutting edge and a tough center to prevent breaking. Each section secured to bar with bolts, nuts and lock washers. Yoke is alloy steel,

rounded channel formed into an arch. Smooth finish, selected ash handle shaped to fit grip. All parts held by bolts, nuts and lock washers. Yoke and bar red enameled. Length cutting edge 12 inches. Length over all 41 inches.

AB KL125—Weight per dozen 42 lbs.....Each \$1.25

Packing: Blade covered with wood guards, wired. Handle protected by heavy kraft paper tube.



Serrated Concaved Blade

Exceptionally well adapted for cutting weeds, bushes and grass with little effort and no back bending. Double edge blade cuts on forward or backward stroke.

High-grade heavy forged steel detachable blade, oil tempered, size 14x3 inches. Wrought steel oval arms, fire bronze finish, bolted to blade and handle. Straight grained, clear lacquered hickory handle 31 inches long. Length over all 41 inches.

AB KWCS—Weight per dozen 44 lbs.....Each \$0.98

One-quarter dozen in a bundle.

EXTRA BLADES FOR WEED CUTTERS

For No. AB KWCS weed cutters.

Serrated concaved blade, 14¼x2½ inches, oil tempered.

AB KWB—Weight per dozen 6 lbs.....Each \$0.65

Packing—bulk.



KLICKEE

Cuts weeds easily, efficiently. Light in weight, properly balanced, easy to swing.

Double lock blade cuts on forward or backward stroke. High-grade black finish steel blade 12x2¼ inches, sharpened on both edges. Green enameled wrought steel oval braces riveted to natural finish hardwood handle 23½ inches long. Length over all 40 inches.

AB 85K—Weight per dozen 27 lbs.....Each \$0.69

One-half dozen in a crate.

WEED CUTTERS

LIVELY LAD

For cutting weeds, grass, bushes, etc. Cuts easily both ways and without back bending or undue exertion. It is light, strong and durable.

Frame and handle, second growth ash in natural finish. High-grade saw steel double edge blade, 12 inches long, 2¼ inches wide. Length over all 36 inches.

AB LL—Weight per dozen 32 lbs.....Each \$1.10

One-half dozen in a crate.



KELLY PERFECT

Double edge blade cuts easily and efficiently on both right and left stroke.

High-grade forged steel detachable blade 14¼x2½ inches, oil tempered. Blue enameled wrought steel oval braces bolted to blade and handle. Mahogany finish hardwood handle, length 31 inches. Length over all 41 inches.

AB 26P—Weight per dozen 44 lbs.....Each \$0.98



SEYMOUR

High carbon steel double edge blade 14¼x2½ inches, with extra long bevel, gold bronzed finish. Bolted to heavy steel brackets. Easily detachable for sharpening. Select northern ash handle natural finish, sanded and waxed. Shaped for easy comfortable grip. Length 35½ inches. Brackets lacquered bright red.

AB 10S—Weight per doz. 36 lbs.....Each \$0.79



One-quarter dozen in a bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

GRASS HOOKS

KEEN KUTTER



This hook is made of finest quality material and is expertly finished. It is light in weight, scientifically balanced, has offset handle to protect the hand and is easily resharpened when necessary.

One-piece high-grade forged steel double bevel blade, offset and tang. Tang extends half-way into handle and is secured by two large brass rivets. Blade fully polished with lower section and offset enameled. Cocolo handle, 5 3/4 inches long. Width blade 1 1/2 inches. Length from point to tang 11 1/4 inches.

AB KPC75—Weight per dozen 9 lbs. Each \$0.75

SCYTHE PATTERN



Ribbed back blade screwed to bent offset shank. Ribbed hardwood handle. Blade may be folded against handle by removing bolts.

Highest grade forged steel blade, cutting width 12 1/2 inches, with green enameled upper web. Green enameled back.

Red enameled ridged drop forged steel shank, 7 1/2 inches long. Black rubberoid finish, extra grade handle, 5 3/4 inches long.

AB K1—Weight per dozen 12 lbs. Each \$0.69

TROWEL SHANK



High-grade forged steel blades, tempered and polished, ground and honed, sharpened ready for use.

Natural finish hardwood handle 6 inches long. Width blade 1 1/2 inches.

Length 11 inches from point to shank. Shank extends into handle 3 3/4 inches and is fastened with two steel rivets.

AB KKB—Weight per dozen 10 lbs. Each \$0.55

One dozen in a carton.

SIMMONS

Economical! Dependable!



SCYTHE PATTERN

High-grade cutlery steel blade polished on upper side, natural finish on under side. Length 12 inches. Red enameled drop forged steel shank, length 7 inches. Corrugated black enameled wood handle, 5 inches

long. Nickel-plated ferrule. Shank tang extends through handle and is firmly riveted.

AB SJ—Weight per dozen 12 lbs. Each \$0.49

One-half dozen in a box.

SICKLE PATTERN OFFSET HANDLE



Special steel blade, tempered and sharpened. Walnut stained wood handle, 6 inches long. Length from point to shank 11 inches. Trowel shank securely fastened to handle with three steel rivets.

AB SGB—Weight per dozen 8 lbs. Each \$0.35

One dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

GRASS HOOKS

KLICKER

Serviceable! Low priced!



Heavy cold rolled steel blade, natural finish, 11-inch cut. Spot welded to 7-inch round steel japanned shank, which extends into handle and is rigidly secured. Oak wood grip, hammer handle shape, 5 1/2 inches long.

Enameled assorted colors: Red, green and orange.

AB 3K—Weight per dozen 10 lbs. Each \$0.25

One dozen (4 each with Red, Green and Orange handles) in a carton.



High carbon tool steel blade, black finish, with ground polished cutting edge, length 14 1/2 inches, with offset section attached to hardwood handle by two rivets. Handle and offset enameled orange. Length 5 1/2 inches.

AB 25K—Weight per dozen 7 1/2 lbs. Each \$0.23

One dozen in a carton.

LITTLE GIANT

A high-grade cutter that will give long service.

Forged steel blade, 12 1/2-inch cut, with blue enameled upper web and back. Red enameled ridged drop forged steel shank, 7 1/2 inches long. Black rubberoid finish, extra grade handle, 5 3/4 inches long.

AY GH—Weight per dozen 12 lbs. Each \$0.59

One-half dozen in a carton.



GERMAN BLUE BLADE

These thin blade imported grass hooks well made and nicely finished are in demand in some sections of the country. Fully warranted.

High-grade German blue steel blade, 16 inches long, 1 1/4 inches wide. Natural finish wood handle.

AB OG—Weight per dozen 5 1/2 lbs. Each \$0.65

Twenty-five dozen in a case.

EXTRA GRASS HOOK BLADES

FOR Nos. AB K1 AND AY GH GRASS HOOKS

KEEN KUTTER



Highest grade forged steel, with green enameled upper web and green back. Length of cut 12 1/2 inches.

AB K10B—Weight per dozen 2 1/2 lbs. Each \$0.39

Packing—bulk.

GRASS HOOKS



KEEN KUTTER—America's finest

SCYTHE PATTERN—LONG HANDLE

Allows free, wide swing, cuts fast and easily, prevents back strain and cramped arms and legs.

Blade has turned-up back, with stiffening bead in web for greater endurance. Two-section pressed steel shank riveted to handle and bolted to blade with three bolts, permitting easy removal of blade for grinding.

Highest grade forged steel blade, length 12½ inches, with green enameled upper web and green enameled back. Red enameled handle socket. High-grade, straight grained ash handle with red enameled end. Length 44 inches.

AB KGH—Weight per dozen 18 lbs.....Each \$0.98

One-half dozen (assembled) in a box.

EXTRA BLADES—FOR GRASS HOOKS NO. AB KGH

Highest grade forged steel blade, length 12½ inches.

AB KGHB—Weight per dozen 3 lbs.....Each \$0.49

Packing—bulk.



KLICKER

Serviceable! Low Priced!

SCYTHE PATTERN

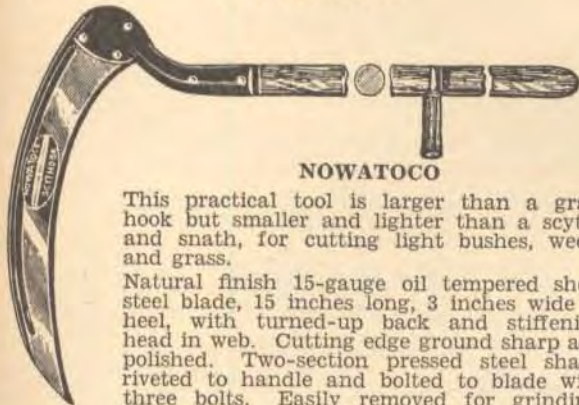
Permits using a wide swing in standing position. No strained back or aching legs.

High quality tempered steel beaded blade 13¾ inches long with ground and polished bevel. Heavy malleable iron shank bolted to blade. Natural finish ash handle 30 inches long with steel ferrule. Blade, shank and ferrule black finish.

AB 75K—Weight per dozen 16 lbs.....Each \$0.69

One-half dozen in a bundle.

SCYTHOOK



NOWATOCO

This practical tool is larger than a grass hook but smaller and lighter than a scythe and snath, for cutting light bushes, weeds and grass.

Natural finish 15-gauge oil tempered sheet steel blade, 15 inches long, 3 inches wide at heel, with turned-up back and stiffening head in web. Cutting edge ground sharp and polished. Two-section pressed steel shank riveted to handle and bolted to blade with three bolts. Easily removed for grinding. Complete with straight hardwood handle, 4½ feet long, with nib attached for handhold.

AB 125SH—Weight per dozen 56 lbs.....Each \$1.45

One dozen in a wood box.

GRASS CUTTERS

KEEN KUTTER

Does excellent work with little exertion! Cuts on forward and backward stroke! Easy to swing! Very handy to use along walls and fences. Made of the finest materials and attractively finished.

Serrated edge

Highest grade forged steel, double edged, serrated blade, length 9½ inches, width 1½ inches. Securely riveted to black enameled ⅝ inch wrought steel shaft. Polished and waxed hardwood handle, 14 inches long. Long steel ferrule. Length over all 40 inches.

AB KS100—Weight per dozen 16 lbs.....Each \$1.00

One-half dozen in a carton.



KLICKER

Practical! Economical! This double-edged grass cutter is ideal for cutting long grass and weeds. Cuts on forward and backward stroke and does excellent work without much exertion.

Tempered steel, bright finish, double-edged blade, length 8½ inches, securely riveted to shank. Round steel maroon enameled shank, diameter ⅝ inch. Heavy hardwood handle, 8 inches long, with blue painted tip. Length over all 38½ inches.

AB 65K—Weight per dozen 18 lbs.Each \$0.65

One-half dozen in a carton.



Polly-Prim

ENAMELWARE

is long wearing,

easy to clean

and attractive

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SCYTHE SNATHS

STA-TITE—BACK SAVER

These snaths are equipped with the new and improved back saver heel plate so constructed and attached that it eliminates stooping and makes mowing considerably easier.

Body is selected second growth northern ash, with fine grade certified malleable iron fittings. Maple nib handles.



For All Standard Weed, Bush and Grass Scythes

Extra strong and sturdy, properly balanced for light or heavy mowing. Extra heavy fittings. Full strength wood, reinforced. Sta-Tite fastening encircles clamp and shank with a tight, immovable hold. Length over all 60 inches.

AB 300—Weight per dozen 51 lbs.....Each \$1.95



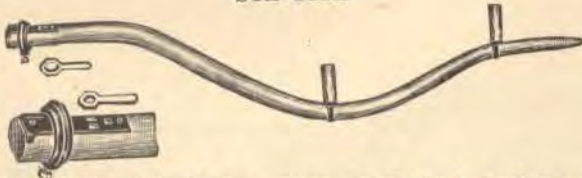
For Grass Scythes

Strong, sturdy, properly balanced. Heavy fittings. Full strength wood, reinforced.

Improved loop bolt fastening for maximum holding power. Length over all 60 inches.

AB 50/IBS—Weight per dozen 48 lbs.....Each \$1.69

STA-TITE



Fits all standard blades—grass, weed, bush and heavy duty.

Scythe is easily and quickly adjusted and will stay tight. Unusually strong and durable—has perfect balance.

Body is second growth ash. Malleable iron fittings. Maple nib handles. Length over all 60 inches.

AB 200—Weight per dozen 50 lbs.....Each \$1.89

One-half dozen in a bundle.

SCYTHE SNATH NIBS

Will Fit All Our Scythe Snaths Except Sta-Tite Brand



Natural finish hardwood, with iron and ferrule. Wood section length $4\frac{1}{8}$ inches. Diameter $1\frac{1}{8}$ inches. Ferrule opening $1\frac{1}{4}$ inches.

AB 16—Weight per dozen 3 lbs.....Each \$0.29

Packing—bulk.

SCYTHE SNATHS



SEYMOUR VISE GRIP
For Grass

Vise grip fastening and strong set-screw against a grooved iron plate on back of snath holds the ring like a vise. Butt of snath is protected by iron.

Select bent ash body, varnished. Malleable iron fittings. Maple nib handles 5 inches long, with malleable iron ferrules and loops to fasten to body. Length over all 62 inches. Complete with wrench.

AB 60VG—Weight per dozen 60 lbs.....Each \$1.89
One dozen in a bundle.



AB 30



Fastening on
No. AB 30

Fastening on
No. AB 100S

Fastening on
No. AB 125

Select bent ash varnished body. Malleable iron fittings. Maple nib handles, 5 inches long, with malleable iron ferrules and loops to fasten to body. Length over all 62 inches. Complete with wrench.

GRASS—patent adjustable swing socket loop fastening.

AB 30—Weight per dozen 50 lbs.....Each \$1.65

BUSH—double ring fastening.

AB 100S—Weight per dozen 60 lbs.....Each 1.89

BRUSH—patent loop fastening solid plate.

AB 125—Weight per dozen 60 lbs.....Each 1.89



STRAIGHT PATTERN

Specially designed for use with German pattern grass scythes No. AB 2830.

This snath is straight except at butt end where there is a slight bend to give scythe blade the proper hang.

Varnished ash body, with steel collar and set-screw to hold scythe. Hardwood nib handle. Length over all 61 inches. Complete with steel wrench.

AB R4—Weight per dozen 34 lbs.....Each \$1.49

One-half dozen in a bundle.

For Penetrating Warmth,

use a

SIMMONS

Circulator Heater

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

GRASS SCYTHES

GRASS—WIDE HEEL
DUTCHMAN PATTERN

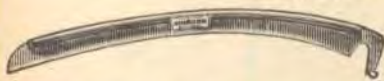
KEEN KUTTER—America's Finest!



Hand forged three-piece blade—two pieces of soft steel on outside. Middle or cutting edge of high carbon steel, carefully ground, tempered, and sharpened, ready for use. Half set blade, double bead. Black enameloid finish, polished cutting edge. Width at heel 3 inches.

Nos.	Each	Lengths Assorted, In.	Wt. Per Doz., Lbs.
AB KBGD24	\$1.95	24 to 28	25
AB KBGD28	1.95	28 to 30	26
AB KBGD30	1.95	30 to 32	27

SIMMONS



One-piece heavy forged steel flanged blade, carefully tempered, ground and sharpened. Dead black finish blade and shank, polished cutting edge. Width at heel 3 inches.

Nos.	Each	Lengths Assorted, In.	Wt. Per Doz., Lbs.
AB SGD28	\$1.75	28 to 30	26
AB SGD30	1.75	30 to 32	27

KLICHER



One-piece forged steel flanged, tempered blade. Black finish blade and shank, polished cutting edge. Width at heel 3 1/4 inches.

Nos.	Each	Lengths Assorted, In.	Wt. Per Doz., Lbs.
AB GDK28	\$1.39	28 to 30	26
AB GDK30	1.39	30 to 32	27

One-half dozen in a burlapped bundle.

GERMAN—GRASS, WIDE HEEL



Hand hammered solid steel. Concave set thin blade, natural blued finish, tempered and sharpened. Width at heel 3 inches. Assorted lengths 28 and 30 inches.

AB 2830—Weight per dozen 20 lbs.....Each \$2.19

One-half dozen (assorted 1/2 dozen each length) in a burlapped bundle.

SWEDISH—GRASS, WIDE HEEL

Economical! Serviceable!



High-grade Swedish steel, carefully ground and sharpened. Natural finish, polished cutting edge. Width at heel 3 inches.

Nos.	Each	Lengths In.	Wt. Per Doz., Lbs.
AB 528	\$1.45	28	24
AB 530	\$1.55	30	25

One-half dozen in a burlapped bundle.

WEED AND BUSH SCYTHES

KEEN KUTTER

America's Finest!

Hand-forged three-piece blade—two pieces of soft steel on outside, middle or cutting edge of high carbon steel, carefully ground, oil-tempered. Sharpened ready for use. Heavy double beaded blade, black enameloid finish, polished cutting edge.



WEED—WIDE HEEL

Width at Heel 2 1/4 Inches

Nos.	Each	Lengths Assorted, In.	Wt. Per Doz., Lbs.
AB KBW20	\$2.00	20	24
AB KBW22	2.00	20 to 24	26
AB KBW24	2.00	24 to 28	28



BUSH—WIDE HEEL

Width at Heel 3 Inches

Nos.	Each	Lengths Assorted, In.	Wt. Per Doz., Lbs.
AB KBB18	\$2.00	18 to 21	25
AB KBB21	2.00	21 to 24	31

SIMMONS

One-piece heavy forged steel flanged blade, carefully tempered, ground and sharpened. Dead black finish blade and shank. Polished cutting edge.



WEED—WIDE HEEL

Width at Heel 3 1/4 Inches

Nos.	Each	Lengths Assorted, In.	Wt. Per Doz., Lbs.
AB SW22	\$1.85	20 to 24	26
AB SW24	1.85	24 to 28	28



BUSH—WIDE HEEL

Width at Heel 3 1/4 Inches
Lengths assorted 18 to 21 inches.

AB SB18—Weight per dozen 30 lbs.....Each \$1.85

KLICHER

Economical! Serviceable!



WEED—WIDE HEEL

Width at Heel 3 1/2 Inches

One-piece forged steel flanged, tempered blade. Black finish blade and shank, polishing cutting edge.

Nos.	Each	Lengths Assorted, In.	Wt. Per Doz., Lbs.
AB WK22	\$1.49	20 to 22	25
AB WK24	1.49	22 to 26	26



BUSH—WIDE HEEL

Width at Heel 3 1/2 Inches
Lengths assorted 18 to 22 inches.

AB BK18—Weight per dozen 25 lbs.....Each \$1.49

One-half dozen in a burlapped bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

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SCYTHE STONES KEEN KUTTER

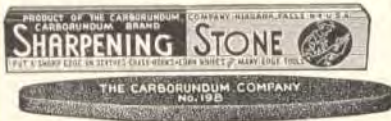


Fast cutting. Gives a fine edge.

Specially selected natural Vermont grit. Oval shape, natural finish. Length 10 inches, width 1 1/4 inches, thickness 5/8 inch.

AB K92—Weight per box of 1/4 gross, 27 lbs. Each \$0.19

One-sixth gross in a carton.



GENUINE CARBORUNDUM

General purpose stone for sharpening scythes, grass hooks, knives, chisels.

Flat tapered type. Length 9 3/4 inches, width at center 1 1/2 inches, thickness 1/2 inch.

AB 198—Weight per gross, 61 lbs. Each \$0.29

One in an individual carton. One dozen in a package.



GENUINE CARBORUNDUM

Fast, clean cutting stones made from Silicon carbide—a manufactured abrasive or grinding material

that is hard, sharp and tough. Just the right grit to give the right edge.

Nos.	Each	Size, Inches	Weight Per Gross, Lbs.
AB 190	\$0.25	10x1 x 5/8	66
AB 192	.29	10x1 1/4 x 3/4	93

One dozen in a display carton.



ALOXITE

These scythe stones are made of Aloxite, a finely ground, electric furnace product that cuts fast and clean. Reinforced by a steel wire rod through the center. Oval shape. Length 10 inches, width 1 1/8 inches, thickness at center 1 1/4 inch, thickness at edges 1 1/8 inch.

AB 188R—Weight per gross 87 lbs. Each \$0.25

One dozen in a display carton.



LUTHER—FAST CUTTER

A high quality vitrified stone without steel center.

Fast and clean cutting. Oval shape. Length 10 inches, thickness 3/4 inch, width 1 1/8 inches.

AB 110—Weight per gross 96 lbs. Each \$0.29

One-sixth gross in a carton.



LUTHER—SPECIAL

A serviceable stone at a low price! Made of artificial abrasive, carefully bonded. Has long life and smooth cutting qualities. Oval shape. 5/8-inch medium weight. Length 10 inches.

AB 109—Weight two dozen 15 lbs. Each \$0.10

Two dozen in a carton.

SCYTHE STONES

STANDARD EMERY



Specially bonded and kilned. Strengthened by steel rod through center. Full oval shape. Length 10 inches, width 1 1/4 inches, thickness 1/2 inch.

AB TS4—Weight per box 1/4 gross 24 lbs. Each \$0.10



SELECTED NATURAL GRIT STONE

Square edge shape, one end painted red. Length 10 inches, width 1 1/4 inches, thickness 1/2 inch.

AB 100—Weight per box of 1/4 gross 26 lbs. Each \$0.10

One-quarter gross in a wood box.

Heavy Duty File



For sharpening scythes, shovels, hoes, serrated

edge hay knives. Excellent for sharpening blades of mowing machines (without removing blade sections).

Genuine carborundum file, length 9 inches, thickness 1 inch tapering from 1 1/2 to 1 inch on top, and from 2 inches to 1 1/2 inches on bottom. Natural finish hardwood handle.

AB 57—Weight per dozen 25 lbs. Each \$0.85

One dozen in a carton.

SHARPENING STONES

HOME AND GARDEN



CARBORUNDUM

Will sharpen lawn mowers, lawn edge trimmers, hoes, axes, grass shears, general household knives and other edge tools.

Medium fine grain genuine Carborundum brand, silicon carbide. Head 6x1 1/2 inches with square edges, one side flat and one side rounded. Durable wood handle is enameled in assorted colors—Green, red and yellow. Nickel plated brass ferrules. Length over all 10 1/2 inches.

AB 46—Weight per dozen 6 lbs. Each \$0.49

One in an attractive carton. One dozen in a package.

ABRASIVE FILES



LUTHER - DIMO

GRIT
The Farmer's Friend

Because of its high quality and modest price, this is a popular abrasive for edging up mower sections, discs, lawn mowers, shovels, axes, hoes and other farm tools. Cuts clean and fast. Does not glaze.

Made of highest quality electric furnace artificial abrasive grain, fully vitrified. File section length 9 inches, thickness tapers from 1 1/4 to 1 inch. Width tapers from 2 to 1 1/2 inches at bottom and 1 1/2 to 1 inch at top. Large, well balanced wood grip. Length over all 14 inches.

AB 253—Weight per dozen 18 lbs. Each \$0.69

One dozen in a carton.

**It's Thrifty to Buy
Long Wearing,
Useful, Attractive,**

Dolly-Prim

Kitchen Utensils

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

Outstanding Features of

KEEN KUTTER

LAWN MOWERS

The Finest Money Can Buy!

FIRST QUALITY THROUGHOUT

The **KEEN KUTTER** name is your assurance of value—long life, easy operation, excellent performance. **KEEN KUTTER** mowers are America's finest. All materials are of the highest quality, selected to withstand years of hard usage. The latest improvements in design and construction assure continued performance with very little attention.

EASY OPERATION — CLEAN CUTTING — FAST MOWING

All moving parts are accurately machined and fitted to operate easily, quietly and smoothly with a minimum of friction. Drive wheels are made full width with deep corrugations for good traction. Every **KEEN KUTTER** mower has gear ratio of $5\frac{1}{2}$ to 1 or better which revolves blades faster.

Reel knives, or blades, are heat-treated crucible steel with sharp cutting edges—they meet in perfect alignment. The lower bar is smoothly ground, making a flat surface for the lower knife—a very important feature, as it makes the lower knife fit perfectly flat, insuring even contact with the reel knives. The lower knife is saw steel, tempered in oil.

This **KEEN KUTTER** mechanical excellence gives you a self-sharpening mower and easier, cleaner, faster mowing.

STRONG REEL SPIDERS

The revolving blades or reel knives are mounted on heavy, strong malleable alloy reel spiders with heavy collars. Reel shafts and shrub rods are $\frac{5}{8}$ -inch in diameter.

BALL BEARING

Reel spins on ball bearings. The patented ball bearing device used on **KEEN KUTTER** mowers is dust proof and permanent. No springs to eventually develop side play. The factory adjustment is accurate and usually permanent. Two adjusting screws are provided for adjustment if necessary after long use.

Pinions are made of fine quality grey iron. Teeth or gears are carefully designed for superior service.

All castings are smoothly finished, including the lower bar to which the lower knife is attached.

Pawls are case hardened steel, large and strong.

All roller brackets have grass catcher hooks.

All rollers are steel shafted, and either finished in red enamel or varnished.

DURABLE CONSTRUCTION

Lower knife in all **KEEN KUTTER** mowers is attached to lower bar with machine screws and washers (not rivets). The lower bars are made with a cone or shoulder which seats into the side frame giving added strength and rigid construction with practically no strain on the bolt that holds the lower bar.

ATTRACTIVELY FINISHED THROUGHOUT

All wood parts are protected by weather resisting varnish or enamel. Metal parts are enameled or painted in attractive colors.

There's a genuine satisfaction in using a **KEEN KUTTER** trouble-free lawn mower!

KEEN KUTTER QUIET LAWN MOWERS

America's Finest Streamlined Mower

You cannot get a better value for the money!



Quiet-Running, Ball-Bearing, Easy to Operate

An Efficient Grass Cutting Machine

Unusually Attractive In Design and Finish

Ball Bearing

Here is the ideal quiet-running, free-reeling mower that gives perfect service! The revolving reel knives, heat-treated crucible steel with sharp cutting edges, do not come in contact with lower knife, but are perfectly aligned with it for quiet, easy, fast cutting. Eliminates the ordinary mower shearing noises. The bed knife is a cast bar with extra heavy heat-treated oil-tempered knife.

Streamlined

The latest in modern design and pleasing appearance is yours when you choose this extraordinary mower. Extra large chromium-plated hub caps, oversize rubber tires, gleaming chromium-plated shrub rod—all add a distinction not usually found even in mowers much higher priced. You'll find this streamlined machine a joy to own and to use.

Semi-Pneumatic Rubber Tires

Oversize 1½-inch semi-pneumatic rubber tires are practically noiseless on walks and other hard surfaces. They protect the wheels against breaking when striking curbs, cement walks or steps.

High Wheel—Drive Wheels 10 Inches in Diameter, 1½-Inch Tread

Ball-Bearing Revolving Reel Cutter—Heat-treated crucible steel revolving knives. All bearings are readily accessible for proper lubrication. Diameter reel 6 inches. Five blades—four malleable spiders.

Adjustable—To cut grass to a height of ½ to 1¾ inches. Will cut grass standing 7 inches high.

Easy to Adjust—Easy to keep in adjustment.

Frame—Sturdy metal, smoothly finished. One inch chromium-plated shrub rod. Extra large chromium-plated hub caps.

Handle—Hardwood, varnished. Length 38 inches. Heavy steel handle braces.

Roller—Oversize. Diameter 2¾ inches. Covered with durable black rubber.

Finish—Attractively finished in red, black and chromium.

Nos.	Each	Width Cut, Inches	Extreme Width, Inches	Weight Each, Lbs.
AB KKQ16	\$13.50	16	22½	46
AB KKQ18	14.50	18	24½	52

One in a carton.

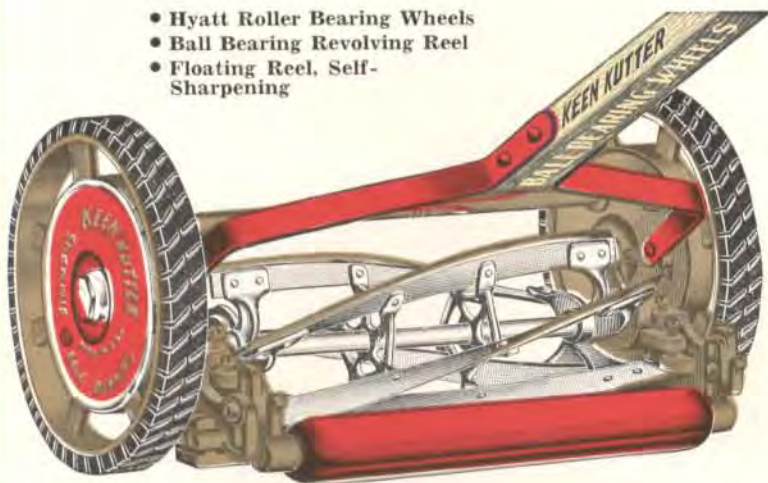
Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER LAWN MOWERS

AMERICA'S FINEST

Solidly Built "Four-Square" Construction

- Hyatt Roller Bearing Wheels
- Ball Bearing Revolving Reel
- Floating Reel, Self-Sharpening



This mower is superior to practically all other high grade mowers in the adjustment of cutters. The reel is adjustable to and from lower bed knife instead of adjusting lower knife. Adjustments are easily made as all adjusting screws are on upper side of mower.

Rubber Tires! More Quiet!

Practically noiseless on sidewalks and other hard surfaces. Protect wheels against breaking when they strike curbs, cement walks and steps. These tires, of extra heavy solid rubber are permanently attached in flange of the special wheel and will last indefinitely.

Heat treated, crucible steel revolving blades, accurately fitted and adjusted. Detachable saw steel bed knife with lipped or raised edge tempered in oil, fastened to lower bars with machine screws and washers.

HIGH WHEEL—DRIVE WHEELS 11 INCHES IN DIAMETER, 1¼-INCH TREAD

Ball bearing revolving reel cutter—Cups and cones solid tempered steel. Patented ball retainers. Bearings and pinions in dust-proof cases. Diameter reel 6 inches with five blades and four strong spiders. End spiders double riveted.

Adjustable—To cut grass to height of ¾ to 1½ inches. Will cut grass standing 7 to 7½ inches high.

Handle—Hardwood, extra large, varnished. Length 42 inches.

Roller—Hardwood, red enameled. Diameter 1¾ inches.
Finish—Attractive red enamel, gold bronze and silver bronze.

Nos.	Each	Width Cut, Inches	Extreme Width, Inches	Weight Each, Lbs.
AB KK9/16	\$15.75	16	21½	63
AB KK9/18	16.95	18	23½	65

QUICK ADJUSTING — BALL BEARING

A sturdy mower of extra fine quality. Ideal for use on large lawns, estates, cemeteries and parks.

Self-Sharpening

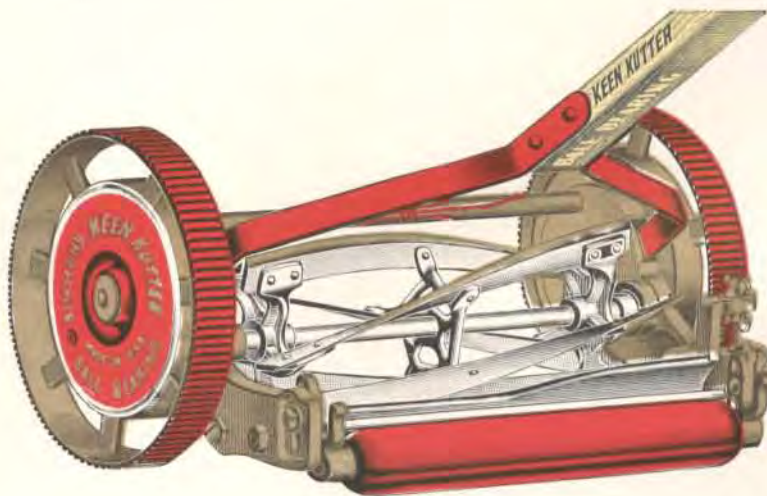
with patented adjusting device and full floating knife bar.

No Tools Needed to Adjust

Adjustment is simple and positive by means of thumb nut on right side of knife bar.

Heat-treated crucible steel revolving blades, accurately fitted and adjusted. Malleable alloy spiders.

Detachable, lipped bed knife of extra heavy, crucible steel, tempered in oil. Knife bar extra heavy, full floating.



HIGH WHEEL—DRIVE WHEELS 10 INCHES IN DIAMETER, 1¼-INCH TREAD

Ball bearing revolving reel cutter. Patented ball bearing assembly with cups and cones guaranteed to wear indefinitely. Diameter reel 6 inches. Five blades. Three spiders.

Adjustable. To cut grass to a height of ½ to 1¾ inches. Will cut grass standing 6 to 6½ inches high.

Handle. Extra large, varnished. Length 42 inches.

Roller. Hardwood, red enameled. Diameter 2 inches.

Finish. Attractively finished in red enamel, gold bronze and silver bronze.

Width of cut 16 inches.

Extreme width 21 inches.

AB KK7/16—Weight each 62 lbs. Each \$13.75

One in a wood case.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER LAWN MOWERS

AMERICA'S FINEST
SOLIDLY BUILT "FOUR-SQUARE" CONSTRUCTION

HIGH SPEED—RUBBER TIRED!

Extra fine quality mower, first class in construction, adjustable throughout, and silent in operation. Outstanding value.

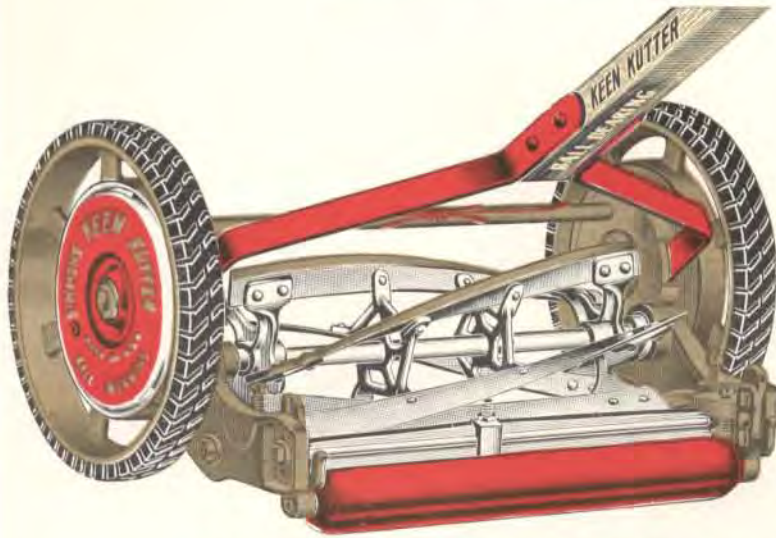
Auxiliary Adjustment

This mower is fitted with an auxiliary adjustment in the way of a patented screw adjustment rod fastened to back of lower bar. This patented feature makes it possible to adjust the lower bar to the finest degree.

The rubber tires make this mower practically noiseless on sidewalks and other hard surfaces. The tires protect wheels against breaking when they strike curbs, cement walks and steps. Tires are extra heavy solid rubber permanently attached in the flange of the new special wheel and will last indefinitely.

Quality Construction

Heat-treated crucible steel revolving blades accurately fitted and adjusted. Detachable saw steel bed knife, with lipped or raised edge, tempered in oil and fastened to lower bar with machine screws and washers.



HIGH WHEEL—DRIVE WHEELS 11 INCHES IN DIAMETER, 1 1/4-INCH TREAD

Ball bearing revolving reel cutter. Perfect ground solid steel cups and cones and best quality steel balls. Dust-proof. Diameter reel 6 inches. Five blades 1 1/4 inches wide. Four spiders. End spiders double riveted.

Adjustable. To cut grass to a height of 1/2 to 1 3/8 inches. Will cut grass standing 7 to 7 1/2 inches high.

Handle. Extra large, varnished. Length 42 inches.

Roller. Hardwood, red enameled. Diameter 2 inches.

Finish. Attractively finished in red enamel, gold bronze and silver bronze.

Width of cut 16 inches.

Extreme width 21 inches.

AB KK6/16—Weight each 61 lbs. Each \$13.00

One in a wood case.

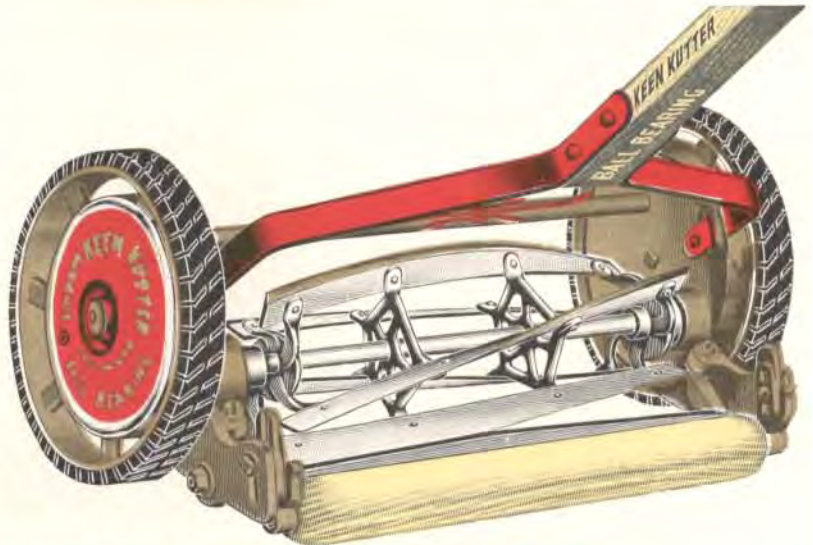
BALL BEARING—RUBBER TIRED

A super-quality at a low price!

Light weight, easy running, high wheel mower with rubber tires. Practically noiseless on sidewalks and other hard surfaces. The rubber tires protect wheels against breaking when they strike cement curbs, steps and walks. Extra heavy solid rubber tires are permanently attached in flange of the new special wheel and will last indefinitely.

Superior Construction

Heat treated crucible steel revolving blades, accurately fitted and adjusted. Detachable saw steel bed knife with lipped or raised edge, tempered in oil, fastened to lower bar with machine screws and washers.



HIGH WHEEL—DRIVE WHEELS 10 INCHES IN DIAMETER, 1 1/4-INCH TREAD

Ball bearing revolving reel cutter—Diameter reel 6 inches. Five crucible steel blades. Four malleable spiders.

Adjustable—To cut grass to a height of 1/2 to 1 3/8 inches. Will cut grass standing 6 to 6 1/2 inches high.

Handle—Hardwood, varnished. Length 38 inches.

Roller—Hardwood, varnished. Diameter 2 inches.

Finish—Attractively finished in red enamel, gold bronze and silver bronze.

Width of cut 16 inches.

Extreme width 21 inches.

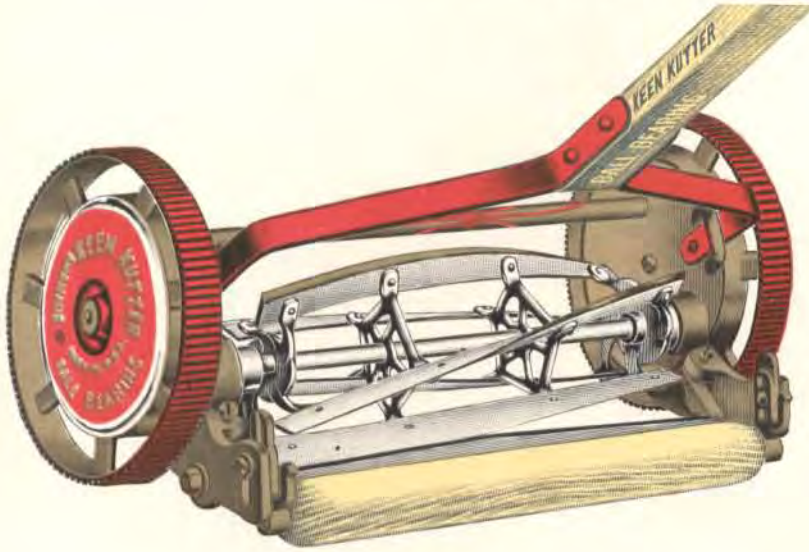
AB KK5/16—Weight each 49 1/2 lbs. Each \$10.50

One in a wood box.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER LAWN MOWERS

AMERICA'S FINEST



HIGH WHEEL—DRIVE WHEELS 10 INCHES IN DIAMETER, 1 1/8-INCH TREAD

Ball Bearing, Revolving Reel Cutter. Diameter reel 6 inches. Five blades. Four spiders.

Adjustable—To cut grass to a height of 1/2 to 1 3/8 inches. Will cut grass standing 6 to 6 1/2 inches high.

Handle—Hardwood, varnished. Length 38 inches.

Roller—Hardwood, varnished. Diameter 2 inches.

Finish—Attractively finished in red enamel, gold bronze, and silver bronze.

Nos.	Each	Width Cut, Inches	Extreme Width, Inches	Weight Each, Lbs.
AB KK3/16	\$8.75	16	21	49 1/2
AB KK3/18	8.95	18	23	54

BALL BEARING—LIGHT WEIGHT

This easy running mower is of extraordinary quality for the unusually low price!

Constructed throughout to give long, satisfactory service.

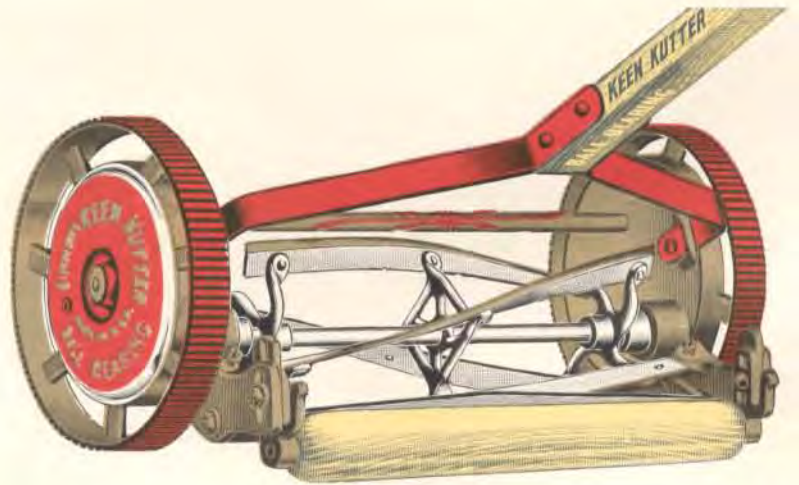
Heat treated crucible steel revolving blades, accurately fitted and adjusted. Detachable saw steel bed knife, with lipped or raised edge, tempered in oil, fastened to lower bar with machine screws and washers.

BALL BEARING

This mower is outstanding in beauty, design and price!

It is a light weight, ball bearing machine, easy to run and practical for use on the average size lawn or yard.

Heat treated crucible steel revolving blades, accurately fitted and adjusted. Detachable saw steel bed knife with lipped or raised edge, tempered in oil and fastened to lower bar with machine screws and washers. Jam screw adjustment.



HIGH WHEEL—DRIVE WHEELS 10 INCHES IN DIAMETER, 1 1/8-INCH TREAD

Ball Bearing, Revolving Reel Cutter. Diameter reel 5 1/2 inches. Four blades. Three spiders.

Adjustable—To cut grass to a height of 1/2 to 1 3/8 inches. Will cut grass standing 6 to 6 1/2 inches high.

Handle—Hardwood, varnished. Length 38 inches.

Roller—Hardwood, varnished. Diameter 2 inches.

Finish—Attractively finished in red enamel, gold bronze, and silver bronze.

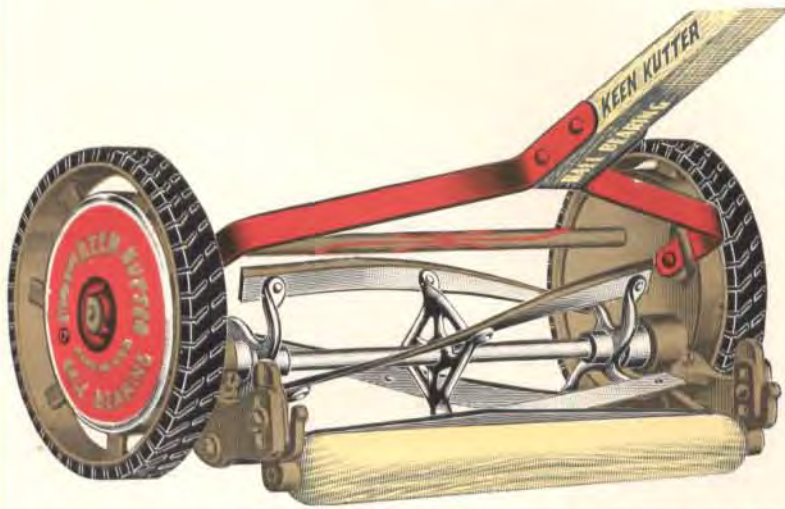
Nos.	Each	Width Cut, Inches	Extreme Width, Inches	Weight Each, Lbs.
AB KK2/14	\$7.75	14	19 1/2	46
AB KK2/16	8.00	16	21 1/2	48

One in a wood box.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KEEN KUTTER LAWN MOWERS

AMERICA'S FINEST



HIGH WHEEL—DRIVE WHEELS 10 INCHES IN DIAMETER, 1 1/8-INCH TREAD

Ball bearing revolving reel cutter. Diameter reel 6 inches. Four blades. Three spiders.

Adjustable. To cut grass to a height of 1/2 to 1 3/8 inches. Will cut grass standing 6 to 6 1/2 inches high.

Handle. Hardwood, varnished. Length 38 inches.

Roller. Hardwood, varnished. Diameter 2 inches.

Finish. Attractively finished in red enamel, gold bronze and silver bronze.

Width of cut 16 inches.

Extreme width 21 1/2 inches.

AB KK4/16—Weight each 48 lbs.....Each \$9.75

BALL BEARING—RUBBER TIRED

This is a light weight, easy running mower, exceptional in value, outstanding in beauty and design!

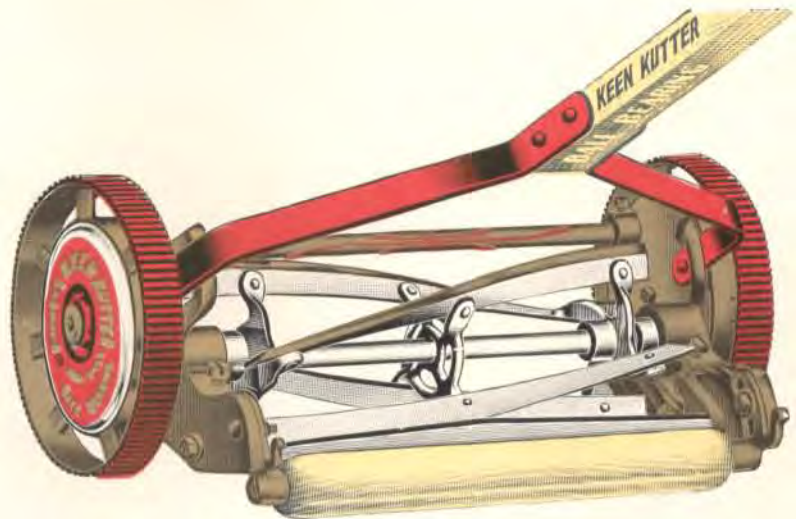
The rubber tires are practically noiseless on sidewalks or other hard surfaces. The tires protect the wheels against breaking when they strike sidewalks, cement steps and curbs. Tires are permanently attached in the flange of the new special wheel, are practical and will last indefinitely.

Heat-treated crucible steel revolving blades, accurately fitted and adjusted. Detachable saw steel bed knife with lipped or raised edge, tempered in oil and fastened to lower bar with machine screws and washers. Jam screw adjustment.

BALL BEARING

A serviceable lightweight ball bearing mower of superior grade at a very low price!

First Quality Construction Throughout
Heat-treated crucible steel revolving blades, accurately fitted and adjusted. Detachable saw steel bed knife, tempered in oil and fastened to lower bar with machine screws and washers. Jam screw adjustment.



LOW WHEEL—DRIVE WHEELS 8 INCHES IN DIAMETER, 1 1/8-INCH TREAD

Ball bearing revolving reel cutter. Diameter reel 5 1/2 inches. Four blades width 1 1/8 inches. Three spiders.

Adjustable. To cut grass to a height of 1/2 to 1 3/8 inches. Will cut grass standing 5 to 5 1/2 inches high.

Handle. Hardwood, varnished. Length 38 inches.

Roller. Hardwood, varnished. Diameter 2 inches.

Finish. Red enamel, gold bronze, silver bronze.

Width of cut 14 inches.

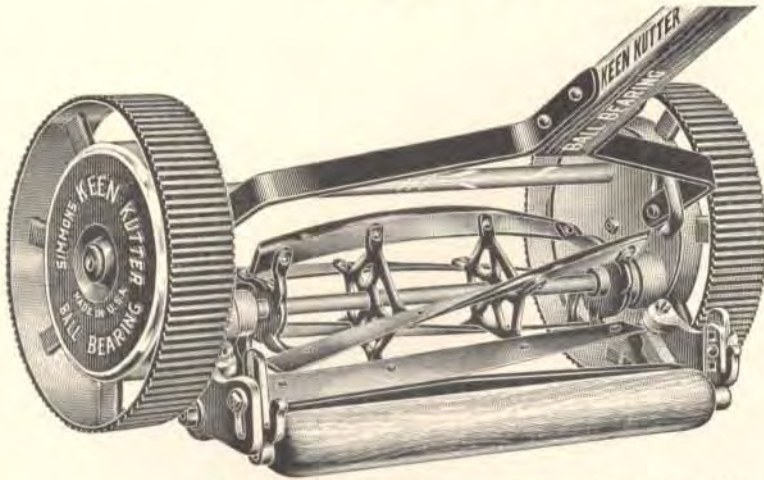
Extreme width 20 inches.

AB KK1/14—Weight each 42 lbs.....Each \$6.75

One in a wood box.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

LAWN MOWERS



KEEN KUTTER

BALL BEARING—EXTRA WIDE TREAD

This easy running mower has extra wide tread for use on lawns having soft or sandy sod. It gives outstanding service at a low price!

Heat-treated crucible steel revolving blades, accurately fitted and adjusted. Detachable saw steel bed knife with lipped or raised edge, tempered in oil, fastened to lower bar with machine screws and washers.

HIGH WHEEL—DRIVE WHEELS 10 INCHES IN DIAMETER, 2½-INCH TREAD

Ball bearing revolving reel cutter. Diameter reel 6 inches. Five blades. Four spiders.

Adjustable. To cut grass to a height of ½ to 1½ inches. Will cut grass standing 6 to 6½ inches high.

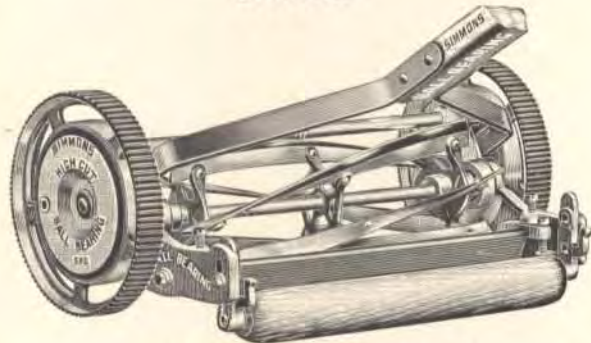
Handle. Hardwood, varnished. Length 38 inches.

Roller. Hardwood, varnished. Diameter 2 inches.

Finish. Attractively finished in red enamel, gold bronze and silver bronze.

Nos.	Each	Width Cut, Inches	Extreme Width, Inches	Weight Each, Lbs.
AB KK3WW16	\$10.50	16	21	51½
AB KK3WW18	10.95	18	23	56

SIMMONS



BALL BEARING—HIGH CUT

Drive wheels 9 inches in diameter, 1½-inch tread.

Specially designed to cut grass to a height above the average! A light running, self-sharpening mower at a moderate price!

Heat-treated crucible steel revolving blades, accurately fitted and adjusted. Malleable alloy spiders. Patented ball bearing assembly with cups and cones guaranteed to wear indefinitely. Oil tempered crucible steel bed knife, with lipped or raised edge.

Ball bearing revolving reel cutter. Diameter reel 5½ inches. Five blades. Three spiders.

Adjustable to leave grass standing 2¼ inches high.

Handle. Hardwood, varnished. Length 39 inches.

Roller. Hardwood, varnished. Diameter 2 inches.

Finish. Gold finish, trimmed in green.

Width of cut 16 inches.

Extreme width 21 inches.

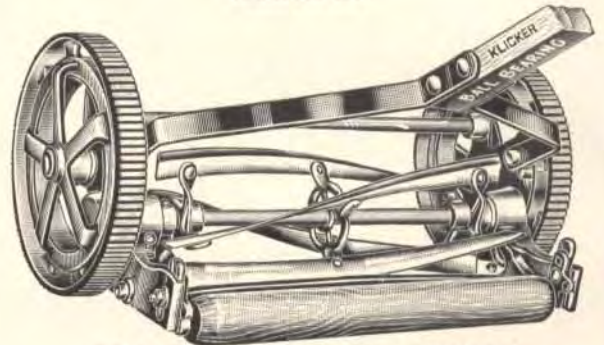
AB SHG16—Weight each 47 lbs.....Each \$8.50

One in a wood box.

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

KLICHER



BALL BEARING—SELF-SHARPENING

Width of tread 1¾-inch.

A light running, attractive, practical mower, far superior in construction to the ordinary mower at its price range. Ball bearing revolving cutter reel with heat-treated crucible steel knives. Malleable alloy spiders. Detachable bed knife mounted on shoulders. Steel shrub rod and reel shaft, diameter ¾ inch. Patented ball bearing assembly with cups and cones that will not wear out nor require adjustment.

Handle. Hardwood, varnished. Length 39 inches.

Roller. Hardwood, varnished, diameter 1¾ inches.

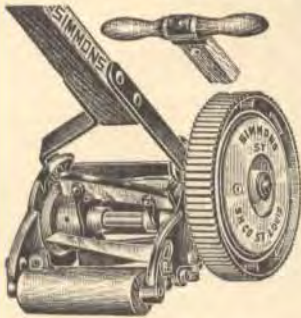
Finish. Silver bronze, blue enameled trim.

Nos.	LOW WHEEL AY 814K	HIGH WHEEL AY 1016K
Width of Cut, In.	14	16
Will Cut Grass, In.	5 to 5½	6 to 6½
Diameter Wheels, In.	8	10
Diameter Reel, In.	5½	5½
No. of Knives	3	4
No. of Spiders	3	3
Extreme Width, In.	20½	22½
Weight Each, Lbs.	36	44
Each	\$4.49	5.45

One in a wood box.

LAWN TRIMMERS

SIMMONS



For cutting grass close to walls, trees, shrubbery and flower beds. Built like a lawn mower, with one large wheel.

High-grade material and workmanship throughout—will give long-lasting, satisfactory service. Easily readjusted, if necessary. Blades are crucible steel, accurately fitted and adjusted. Self-aligning floating revolving cutter bearings.

Drive Wheel—Diameter 8 inches.

Revolving Reel—Diameter 4 $\frac{3}{4}$ inches, with four knives.

Adjustable—To cut grass to a height of $\frac{1}{4}$ to $\frac{1}{2}$ inches. Will cut grass standing 6 inches high.

Handle—Hardwood, varnished, length 38 inches.

Roller—Hardwood, varnished, diameter 2 inches.

Finish—Decorated in gold and aluminum bronze with green trimmings.

EXTREME WIDTH—9 $\frac{1}{2}$ INCHES

WIDTH OF CUT—6 INCHES

AB ST—Weight each 23 lbs.....Each \$6.45

One in a wood box.

LAWN MOWER HANDLES



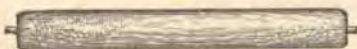
Will fit practically all standard lawn mowers.

Smoothly finished hardwood, nicely varnished. Cross handle 13 $\frac{3}{4}$ inches long, 1 $\frac{3}{8}$ inches diameter, secured to upright by bolt passing through handle and malleable fittings. Two $\frac{1}{2}$ -inch holes spaced through edge of handle near bottom, spaced 1 $\frac{3}{4}$ -inch centers. Upright 37x1 $\frac{3}{4}$ x1 $\frac{1}{2}$ inches. Length over all 38 $\frac{3}{4}$ inches.

AB H—Weight each 3 lbs.....Each \$0.75

Packing—bulk.

LAWN MOWER ROLLERS



Will fit practically all standard lawn mowers. Smoothly finished hardwood, diameter 1 $\frac{3}{4}$ inches. Nicely varnished. Steel shaft, diameter $\frac{3}{8}$ inch driven into ends.

Nos.	AB R14	AB R16	AB R18
Length Roller, In.	14 $\frac{3}{4}$	16 $\frac{3}{4}$	18 $\frac{3}{4}$
Length over all, In.	16 $\frac{1}{4}$	18 $\frac{1}{4}$	20 $\frac{1}{4}$
Wt. each, Lbs.	1 $\frac{1}{4}$	1 $\frac{3}{8}$	1 $\frac{1}{2}$
Each	\$0.35	.35	.35

Packing—bulk.

LAWN MOWER OIL



A new type oil containing colloidal graphite and other fine lubricating ingredients. Made especially for lawn mowers, washing machines, refrigerators and other appliances, requiring a heavy body oil—builds a lubricating film on the metal that eliminates friction, and quiets noisy mechanisms quickly. Very efficient and should be used sparingly.

5 ounces in a high quality lithographed metal oiler.

AB 600—5-oz. can. Weight per dozen 5 $\frac{1}{2}$ lbs...Per Can \$0.25

One dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

RUBBER TIRES FOR LAWN MOWERS



A lawn mower equipped with these high-grade rubber tires is practically noiseless on sidewalks and is amply protected against wheel breakage when striking curbs, cement walks and steps. They are easy to attach and will wear indefinitely.

High-grade, tough, flexible black rubber, deep tread, fit snugly.

ABLT1 $\frac{1}{4}$ —For mowers Nos. AB KK7, AB SUB1016, AB SUB1018, ABSRB14, ABSRB16, AB SRB18, AB STA16 and AB STA18Per Pair \$1.00

ABLT1 $\frac{1}{8}$ —For mowers Nos. AB KK2, AB KK3, AB SS414 and AB SS416.....Per Pair 1.00

Weight per pair 1 $\frac{1}{4}$ lbs.

One pair in a package.

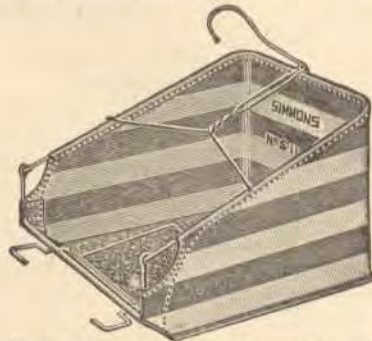
GRASS CATCHERS

SIMMONS

A convenient time saver in mowing.

Easily and quickly attached to lawn mower.

ROLLER FLANGE SQUARE BACK



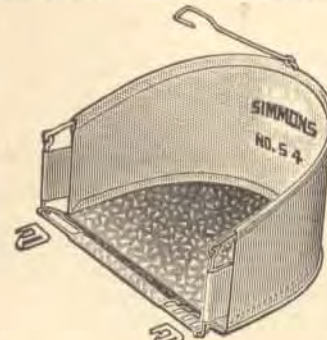
When the catcher is attached to mower directly over roller flange, causes grass to slide back to lower level of catcher. Fastens to mower with a patent spring attachment.

No. 8 galvanized wire frame, covered with heavy

blue and white striped canvas. Square back bottom, 30-gauge galvanized iron with roller flange. Convenient carrying handle, No. 6 galvanized wire.

Nos.	Each	Size, Inches	For Mower, Inches	Weight Per Dozen, Lbs.
AB S11A	\$0.89	19 x16 $\frac{1}{2}$ x13	12 to 16	48
AB S12A	.98	22 $\frac{3}{4}$ x16 $\frac{1}{2}$ x13	14 to 20	56

ROLLER FLANGE ROUND BACK



Exceptional value!

When the catcher is attached to mower directly over roller the flange causes grass to slide back to lower level of catcher.

No. 8 galvanized wire frame, covered with 6 oz. single filling white duck. Galvanized iron bottom, 30-gauge, with roller flange. Adjustable galvanized steel hooks.

Nos.	Each	Size, Inches	For Mower, Inches	Weight Per Dozen, Lbs.
AB S4	\$0.69	19 $\frac{1}{2}$ x15 $\frac{3}{4}$ x12	12 to 16	35
AB S5	.79	23 $\frac{1}{2}$ x15 $\frac{3}{4}$ x12	16 to 20	42

Packing—bulk.

STEARNS POWER LAWN MOWERS

Outstanding in Quality, Performance and Price!

Easy to Operate—Can be operated by anyone without experience or instruction. Just start the engine, throw in the clutch and cut the grass. Motor will proceed over the lawn under its own power. Operator need only follow and guide it. No gadgets to fuss with. Extreme simplicity of design, ease of operation and freedom from mechanical difficulties insure long, satisfactory engine performance. Every detail was planned to assure greatest possible service at lowest cost.

High-Cutting Capacity—An average speed of 3½ to 4½ miles per hour can be easily maintained on open stretches, yet motor can be throttled down to a slow walk by means of the controls on handle. Perfectly balanced, mobile and efficient. These mowers have a grass-cutting capacity far in excess of that which their widths of cut alone would indicate.

Smooth, Dependable Power—The nationally-known Briggs and Stratton engines are used in all models.

Quality Construction Throughout

Bearing Equipment—Gives smoother, easier running and longer life. Hyatt roller bearings. Norman-Hoffmann ball bearings. Timken tapered roller bearings and Bunting bronze bearings.

Tension Adjustments—Provided wherever necessary in the drive chains. If chain stretches in use slack is easily taken up.

Knives—Bed plate knives are chrome alloy steel, heavy lipped edge section. Cylinder knives special high carbon manganese steel, the finest quality, hard and tough.

One-Piece Top Plate—Of heavily ribbed gray iron casting, supports engine, eliminates use of handle braces of usual type, and makes frame stronger and more rigid.

5-Blade Revolving Cylinders—Self-sharpening blades double riveted to heavy malleable iron spiders, which are mounted on strong oversize steel shafts.

Folding Tubular Steel Handle—Reduces space required for storage. Height adjustable to suit operator. Simple locking device holds handle in proper operating position when mower is in use.

Positive Action Disc Clutches—Easy, smooth engagement insures freedom from turf marring and cutting by the drive wheels.

Finish—Weather-proof enamel. Frame slate blue, engine black. Trim red.

ROLL-DRIVE MODELS



Model 22H—22-Inch Cut

A gentle rolling action so much desired by many keepers of fine lawns is developed by the rollers of these machines and they have a heavy protective rubber coating that will not mar or damage the most tender turf. Ideal for use on golf courses, cemeteries, parks and estates.



Model 26A—26-Inch Cut

The drive rollers are covered with deeply corrugated rubber of heavy suction. The caster wheels, also, are rubber covered. Operation is by a full bevel gear differential drive mechanism. Independent clutches are provided for reel and drive.

Drive Rollers, 9x9½ Inches—Cylinder, 5 Blades

Height of Cut, ½ to 1½ Inches

	Std. List and Retail, Each	Briggs & Stratton Engine Model	Engine Horse Power	Width Cut, Inches	Speed Miles, Per Hour	Weight Each, Lbs.	Shipping Wt. Each, Lbs.
#AY 22H	\$175.00	H	½	22	½ to 4	285	340
#AY 22A	195.00	A	1	22	½ to 4	310	360
#AY 26A	235.00	A	1	26	½ to 4½	325	375
#AY 26B	260.00	B	2	26	½ to 4½	360	400

Note—Model AR 26B is powerful enough for use with two 18-inch gang units and riding sulky.

One in a crate.

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

STEARNS POWER LAWN MOWERS

Outstanding in Quality, Performance and Price!

WHEEL-DRIVE MODELS

Solid rubber tires are provided as standard equipment on all wheel-drive models. The letters "ST" indicate solid rubber tires, "PT" pneumatic tires.

Goodyear pneumatic tires are available at a moderate extra cost. They reduce vibration, assure protection for shrubs, trees, buildings, walks.



Model 124ST—With Solid Rubber Tires
Model 127ST is Entirely Similar, Except for Wider Cutting Width

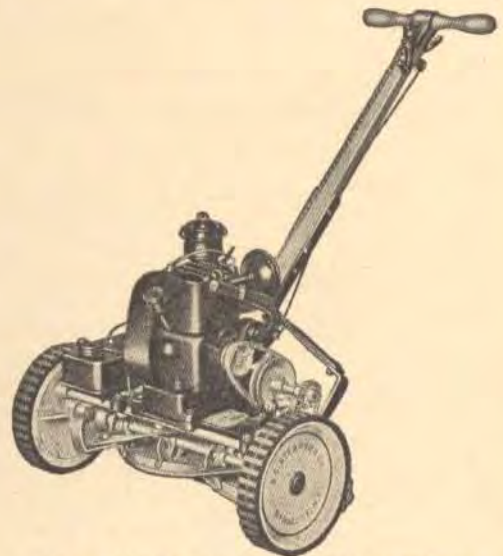


Model 218ST—With Solid Rubber Tires
This Model Does Not Have Folding Handle

All wheel-drive models are equipped with automotive type, full bevel gear differential drive mechanism. Independent clutches are provided for reel and drive.



Model 321PT—With Goodyear Pneumatic Tires
Model 318PT is Exactly the Same Except in Cutting Width and Tire Size



Model 181ST—With Solid Rubber Tires

Cylinder—5 blades. Height of cut $\frac{1}{2}$ to $1\frac{1}{2}$ inches.

WITH SOLID RUBBER TIRES		
Nos.	Std. List Retail, Each	Outside Diameter of Tire, Inches
AR 218ST	\$77.50	10 x 1 $\frac{3}{4}$
# AR 318ST	94.50	10 $\frac{1}{2}$ x 2 $\frac{1}{4}$
AR 321ST	119.50	11 x 2 $\frac{1}{2}$
# AY 124ST	179.50	11 x 3
# AY 127ST	219.50	11 x 3
AR 181ST	69.50	10 x 1 $\frac{3}{4}$

WITH PNEUMATIC TIRES		
Nos.	Std. List Retail, Each	Outside Diameter of Tire, Inches
# AR 218PT	\$85.50	10x2.50
# AR 318PT	103.50	10x3.00
# AR 321PT	129.50	11x3.00
# AY 124PT	192.00	12x3.50
# AY 127PT	232.00	12x3.50
AR 181PT	77.50	10x2.50

Briggs & Stratton Eng. Model	Horse Power	Width Cut, Ins.	Speed Miles, Per Hour	Wt. Each, Lbs.	Shipping Wt., Lbs.
WM	$\frac{1}{2}$	18	$1\frac{1}{2}$ to $3\frac{1}{2}$	125	155
H	$\frac{1}{2}$	18	$\frac{1}{2}$ to 4	155	200
H	$\frac{1}{2}$	21	$\frac{1}{2}$ to 4	170	225
A	1	24	$\frac{1}{2}$ to $4\frac{1}{2}$	265	340
A	1	27	$\frac{1}{2}$ to $4\frac{1}{2}$	275	350
WM	$1\frac{1}{2}$	18	$1\frac{1}{2}$ to $3\frac{1}{2}$	125	155

One in a crate.

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LAWN ROLLERS

DUNHAM

WATER TIGHT,
HAND MODEL

For Better Lawns!



This roller will compress the soil around grass roots and force the turf back against the subsoil so roots can absorb water and plant food, resulting in a velvety surface.

Light to operate and move. Fitted with no-tip adjustable scraper, for smooth rolling. Rounded edges — no marred turf.

Water tight—steel drum electrically welded, painted green. High carbon steel axles, 1-inch diameter, 2-inch long. Steel handle braces $\frac{1}{4} \times 1\frac{1}{4}$ inches bolted to $1\frac{1}{4}$ -inch angle iron bow, with axle bushing running to axle, painted red. Varnished hardwood double grip cross bar 16 inches long, $1\frac{1}{2} \times 1\frac{1}{2}$ inches, bolted to handle braces. Complete with cast-iron key wrench for stop plug in drum. Plug is non-rusting bronze.

Roller Bearing—Single Section

Nos.	AB WB5	#AB WB7	#AB WB9
Diameter, In.	18	24	24
Length, In.	24	24	32
Wt., Empty, Lbs.	76	95	130
Wt., Filled with Water, Lbs.	274	413	565
Each	\$12.95	18.75	20.75

Plain Bearing

Diameter 14 inches, length 24 inches.

AB 2—Weight empty, 68 lbs. Weight filled with water 175 lbs. Each \$9.25

When filled with sand, weight is 50% more than when filled with water.

Packing—bulk.

LAWN AND GARDEN LIME

GLENCOE—HYDRATED

For flourishing lawns and gardens use this hydrated lime in the spring and late fall. Ideal for whitewashing trees, basements, chicken and poultry houses—for making spraying solutions—and for sanitary purposes about the house and barn.

Full directions in every package.

Nos.	Per Bag	Quantity in Bag, Lbs.
AB GL10	\$0.25	10
AB GL20	.45	20
AB GL50	.75	50

Put up in strong paper sacks that pass all shipping requirements.



Polly Prim

ALUMINUMWARE

Does the Work Well
and Costs So Little

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GRASS SEED

DICKINSON'S

Prepared and packed by internationally known refiners of selected and tested seeds.

ACE

Supreme Quality!
Exceptional Value!

Suitable for all soil conditions. A heavy, high-grade mixture, correctly blended to insure a beautiful, permanent green lawn.

Composed of domestic turf grasses, for years highly approved and used by professionals as a standard. This mixture contains new crop, high germinating fancy Kentucky blue grass, fancy red top rye grass, and white clover. The seed is properly cleaned, tested and bulked by lawn seed specialists in a large, modern and scientific



plant—one of the most reliable commercial seed laboratories in America.

Recommended one pound to each 200 square feet.

Directions and analysis with each package.

Nos.	Per Carton	Contains, Lbs.	Weight Per Case or Bag, Lbs.
AB ACE1	\$0.29	1	6
	Per Bag		
AB ACE5	1.39	5	52
	Per Lb. Sack		
AB ACE100	.25	10	100%

AB ACE1—Fifty 1-lb. cartons in a case.

AB ACE5—Ten 5-lb. bags in a case.

GREEN COVER

A popular mixture containing new crop Kentucky blue grass, red top, rye grass, timothy and white clover. Its considerable proportion of rye grass and timothy give quick results. Purity and germination good.

Ingredients are carefully re-cleaned and well blended, and will produce a beautiful turf. This seed is superior to the ordinary run of seeds at this low price, and complies liberally with the most exacting laws of any state. Purity and germination good.



Recommended one pound to each 200 square feet. Directions and analysis with each package.

Nos.	Per Carton	Contains, Lbs.	Weight Each, Per Case or Bag, Lbs.
AB GC1	\$ 0.20	1	61
	Per Bag		
AB GC5	.95	5	52
	Per Sack		
AB GC100	15.00	100	100%

AB GC1—Fifty 1-lb. cartons in a case.

AB GC5—Ten 5-lb. bags in a case.

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ACME INSECTICIDES AND FUNGICIDES

Protects trees, orchards, gardens from the ravages of insects and fungus diseases.

LIME SULFUR



A superior spray for summer. Use on shade trees, vines and shrubs, fruit trees, citrus fruits, raspberry, blackberry, currant, and gooseberry bushes. For control of aphids, thrip, red spider, oyster shell scale, blister mite, scab leaf spot, shot hole fungus, brown rot, leaf curl, citrus rust mite, rose scale, anthracnose. Reduces apple rust, increases marketable crop. Especially recommended for dormant spray for scale insects. Approved by Bureau of Animal Industry of U. S. Dept. of Agriculture, for dipping sheep and cattle.

It is a standard 33° Baume lime and sulfur solution converted to dry powdered form with the effectiveness of the liquid product. More convenient to handle than the liquid form as it does not deteriorate, freeze or crystallize, eliminates freight charges on 65% water when in liquid form and does away with necessity of returning empty barrels. It dissolves readily in cold water.

Nos.	Per Can	Quan. In Each Case	Wt. Lbs.
AB LS1—1-lb. Cans (metal)	\$0.35	24	35
AB LS5—5-lb. Cans (metal)	1.45	6	40
# AB LS25—25-lb. Drums (steel)			30
	Per Lb. .16		
# AB LS100—100-lb. Drums (steel)			
	(8-12½-lb. Bags)		
	Per Bag 1.60		110
# AB LS200—200-lb. Drums (steel)			
	(16-12½-lb. Bags)		
	Per Lb. .15		220

BEAN BEETLE DUST



A high-grade dust made primarily for use in fighting the Mexican bean beetle. Controls the yellow spring grub that gnaws into bean pods and chews leaves into skeletons underneath. The adult is the spotted lady bug. This bean beetle dust is also a good general insecticide. Dust by hand or blower.

In addition to the usual ingredients employed in a poison of this type this product contains sodium fluosilicate which acts as a contact poison. The contact poison irritates the beetle and causes it to stop feeding immediately to rid itself of the irritation.

Nos.	Each	Quan. In Each Case	Wt. Lbs.
# AB BBD1—1-lb. Carton	\$0.30	24	32
# AB BBD4—4-lb. Bag (paper)	.70	6	28
# AB BBD100—100-lb. Drums (steel)	10.50		110

APHIS SPRAY

Paste Form



Protection from sucking and chewing insects for rose bushes, shrubs, vines, flowers, trees, fruit trees and ornamental evergreens, grape vines, currant and gooseberry bushes, potatoes, beans, peas, onions, cauliflower, brussels sprouts. Destroys and resists aphids, beetles, box Elder bugs, rosy and green apple aphids, pear thrips, grape leafhopper, currant and gooseberry aphids, currant worms, onion thrips, sucking insects on potatoes, beans and peas, slugs, caterpillars, leaf miners, white flies.

Combines the two oldest and finest contact poison sprays—Black Leaf 40 and Fish Oil soap. Easy to use. Contains 1 ounce of Black Leaf 40 and 2 ounces of soft Fish Oil soap making 6 to 8 gallons of effective spray.

AB 3AS—3-oz. tubes—weight per dozen
5½ lbs. Each \$0.35

Each tube in an individual carton, twelve in an attractive counter display box, two dozen in a case.

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VIGORO SPREADERS



Easy to operate! Useful in sowing seed, spreading plant food, scattering lime. Eliminates waste and messiness of hand application. Forced-feed distribution principle assures even distribution of Vigoro and seed. Scatter-board permits successful application of plant food even on windy days.

SIMPLE DURABLE CONSTRUCTION

Heavy sheet steel hopper with heavy steel disc wheels. Force feed. Positive regulating dial makes it possible to apply at exact rate desired. Shut-off control located on handle. Varnished hardwood handle with cross bar and steel braces.

SPECIAL—EXTRA WIDE

A time and money saver on larger places such as golf courses, estates, and parks.

Spreading width 36 inches. Capacity hopper 100 lbs.

AB VSP Special—Weight each 51 lbs.....Each \$21.45

STANDARD

The favorite for school, hospital, factory grounds and other fair sized property. A great time saver.

Spreading width 24 inches. Capacity hopper 65 lbs.

AB VS Standard—Weight each 39 lbs.....Each \$12.75

JUNIOR

Popular, convenient size for the average lawn.

Spreading width 16 inches. Capacity hopper 35 lbs.

AB VJ Junior—Weight each 16 lbs.....Each \$6.95

MODEL B

Just the right size for the small home owner. Light and convenient for women's use.

Spreading width 14 inches. Capacity hopper 15 lbs.

AB VB Model B—Weight each 11 lbs.....Each \$3.25

One in a carton.

VIGORO

A BALANCED FERTILIZER



The complete balanced plant food! Formulated to supply in proper proportions, all of the eleven plant food elements essential to produce maximum growth and beauty. Excellent to use on lawns, gardens, shrubbery, trees, flowers and potted plants.

Vigoro provides a steady release of available plant food throughout the growing season. It is economical, clean, odorless, sanitary and easy to use. Used and recommended by leading horticulturists and landscape gardeners throughout the country.

Nos.	Per Bag	Quan. in a Package	Wt. Per Case
AB V100	\$4.00	100-lb. Bag	....
AB V50	2.50	50-lb. Bag	....
AB V25	1.50	25-lb. Bag	....
	Per Pkg.		
AB V10	\$0.85	10-lb. Pkg.	6 62
AB V5	.45	5-lb. Pkg.	14 74
AB V1	.10	1-lb. Pkg.	32 34

CATTLE SPRAY IMPROVED "WATER TYPE"



COW GUARD
A concentrate which may be diluted as much as 15 to 1 with water. Economical to use. Spray directly on the cow to repel and kill flies. Satisfaction absolutely guaranteed or money cheerfully refunded. An improved, water type cattle spray, that causes no rise in the animal's body temperature when properly diluted with water. Its harmless, non-injurious vegetable oil base has none of the bad effects produced by most mineral oil sprays.

- Does not stain nor make the hair gummy.
- No discomfort to cow.
- Tends to make skin soft and pliable.

Nos.	Per Can	Size Cans	Weight Per Case, Lbs.
AB CG90	\$0.89	½ Pint	8½
AB CG150	1.45	1 Pint	16
AB CG500	4.65	½ Gal.	18

Packing: ½-gallon—four in a case.
Others—one dozen in a case.

STOCK SPRAY

E-Z-BOS



- Kills flies and lice on live stock without discoloring, burning or blistering the skin.
- Repels flies for 48 hours.
- Will not taint milk or smother the animal or person applying it.
- Very economical—stainless, transparent, pleasant to use, contains no heavy substances.
- Effective as a disinfectant.

Keep it around the house and barn to kill mosquitoes, moths, ants, spiders, roaches, gnats, bedbugs and other pests. Buy in large quantities for greater economy.

In Screw Top Tin Cans

AB EZ1—One Gallon Cans. Weight per carton 55 lbs. Each \$1.19

One-half dozen in a carton.

* AB EZ5—Five-Gallon Cans. Weight each 50 lbs. Each \$4.75

* AB EZ30—Thirty-Gallon Steel Drums. Weight each 270 lbs. Each \$21.75

* AB EZ50—Fifty-Gallon Steel Drums. Weight each 440 lbs. Each \$31.75



SWISH

Protects cattle, horses, hogs, poultry from flies, mosquitoes, gnats, lice, fleas, and other troublesome insects.

Reliable, safe, sanitary and economical! It is practically odorless and will not blister the hide, stain the hair, taint the milk nor catch dust or dirt.

In Screw Top Tin Cans

One Gallon Size

AB 1S—Weight per dozen cans 110 lbs. Each \$0.89

One-half dozen in a carton.

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FLY AND INSECT KILLER

There's no need for you to be troubled by household pests. Use this safe, satisfactory spray about the house, dairy or barn.



"FLY-DED"

Kills flies, moths, mosquitoes, ants, gnats, spiders, fleas, roaches, bedbugs and other bothersome insects.

This spray is non-poisonous, stainless and has a pleasant odor. Keep a supply on hand and enjoy freedom from insect raids.

Nos.	Each	Contents, Cans	Doz. Weight in Per Case, Case Lbs.
AB 482	\$0.10	6 Oz.	2 12
AB 485	.20	1 Pt.	2 28
AB 486	.39	1 Qt.	1 26
AB 888	1.39	1 Gal.	½ 48

GERM KILLER



B-K

Res. U.S. Pat. Off.
Bacilli-Kill

Disinfects!
Sterilizes!!
Purifies!!!

The only nationally advertised product of its kind.

The original concentrated sodium hypochlorite disinfectant and sterilizer. It is

a powerful antiseptic, deodorant and purifier.

The active agent is chlorine in the form of sodium hypochlorite, a powerful germ or bacillus killer. It leaves no odor after its use. Can be used where most other disinfectants are barred. It is not an acid, contains no oil or grease.

Powerful as it is, this germ killer is perfectly safe to use in solution.

Use it to disinfect your house, to sterilize and purify milk bottles, refrigerator dishes, fruit jars for canning, lunch-eon kits.

It is the perfect disinfectant and sterilizer for restaurant, soda fountain, school, home, dairy, poultry house or dog kennel.

Favored by Everybody!

It is preferred by dairymen, poultrymen, veterinarians, fur breeders, and the dairy products industry. Is safe, pleasant and economical to use.

LIQUID Ready to Use

Nos.	Each	Size	Doz. Weight in Per Case, Case Lbs.
AB BK50	\$0.50	10 Oz.	2 35
AB BK90	.90	1 Qt.	1 48
AB BK200	2.00	1 Gal.	½ 17
AB BK850	8.25	5 Gal.	½ 67

POWDER

For dairies and farmers who wish to make their own sterilizer and disinfectant. One bottle No. AB BK150 makes three gallons of solution containing 3½% available chlorine.

Complete instructions for mixing and directions for use with each bottle.

Nos.	Each	Size	Doz. Weight in Per Case, Case Lbs.
AB BK75	\$0.75	9½ Ozs.	1 16½
AB BK150	1.50	1¾ Lbs.	1 42

Arnold's Garden Hose Insecticide Sprayers and Cartridges

INSECTICIDE SPRAYERS

- Provides the easiest, most effective, most economical control of garden insects and plant diseases.
- Controls fungus growths, plant diseases and both sucking and chewing insects.
- Provides an adequate spray in a jiffy—as much as you need, when you want it, without fuss, muss or bother.
- Ruggedly constructed but light in weight and as easy to operate as your garden hose. Can be used with one hand, leaving other hand free to spread and turn leaves and branches when necessary.

EASY TO OPERATE—PRODUCES A FINE SPRAY
 Sprayer is a special mixer quickly and easily attached to garden hose in place of regular nozzle. Has non-leak shut-off, a non-breakable, transparent cartridge chamber and extension angle spraying nozzle. Used with the various Arnold insecticide cartridges it provides a uniformly mixed, adequate spray. Water in the hose passes through the chamber under pressure, dissolving cartridge, and forming correct control solution which is forced out of the nozzle in the form of a fine cloud-like spray.



All exposed metal parts chromium plated, with shut-off, transparent cartridge chamber and 12-inch angle nozzle. Length over all 20½ inches.

- Six Cartridges—One each
 Arsenate of Lead (No. AL35)
 Balanced Fertilizer (No. FER35)
 Bordeaux Mixture (No. BOR35)
 Colloidal Sulphur (No. SUL35)
 Nicotine (No. NIC35)
 Pyrethrum-Rotenone (No. PR35)

Balanced fertilizer (No. FER35), Bordeaux mixture.
AB AC500—Combination Set. Weight per set 3 lbs. **Per Set \$4.75**

One set in a carton.



ARNOLD JUNIOR MODEL
 Serviceable! Economical!

Red or Green Dulux Finish

This sturdy sprayer is constructed of all metal with shut-off and cartridge chamber and 9-inch brass finish angle nozzle. Length over all 17½ inches.

AB AJR250—Sprayer Only. Weight each 1 lb. **Each \$2.45**
 One in a carton, complete with rubber washers.

SUB-SURFACE FEEDER AND IRRIGATOR

Assures new plant growth and beauty! Perfect for plant protection in dry soil or during unusually dry seasons. Used to place water or fertilizer at roots of plants at correct depth for root feeding. Eliminates waste from evaporation. Induces root to grow down toward moisture instead of upward as they do when only top soil is watered.

As illustrated, this device is an iron pipe or needle perforated at the pointed end. It is attached to the cartridge chamber, with a balanced fertilizer cartridge in chamber, and inserted several times to the desired depth around the base of plant or shrub.



As illustrated, this device is an iron pipe or needle perforated at the pointed end. It is attached to the cartridge chamber, with a balanced fertilizer cartridge in chamber, and inserted several times to the desired depth around the base of plant or shrub.

Dulux Finish
 Length 36 inches.
AB 150FI—Weight each 2 lbs. **Each \$1.45**

Packing—bulk.

INSECTICIDE AND FERTILIZER CARTRIDGES

For use with Arnold's insecticide sprayers Nos. AB AC500 and AB AJR250.

Manufactured according to formulas compounded by recognized authorities on plant culture and diseases. Contain ingredients which assure positive control under adverse conditions without harming plant growth.

They contain a special spreader which spreads an adhesive film of the insecticide over the plant surface as the spray strikes, thus prolonging its efficiency and preventing it from quickly evaporating or forming in drops and rolling off.

Cartridges are 5x¾ inches and fit accurately.

AB SUL35—Colloidal Sulphur contains sulphur in its finest and most efficient form. Cartridges may be used on all plants at any time to control rust, mildew, black spots, scabs, and are killing agents or repellents for red spiders, spider mites, aunts and other parasites. **Each \$0.35**

AB PR35—Pyrethrum and Rotenone used for control of both sucking and chewing insects such as aphid, thrip, ants, cutworms. Non-injurious to man and animals (licensed under U. S. patent No. 1,967,024). Authorities agree that the combination P-R cartridge is so thoroughly effective against both sucking and chewing insects that poisonous sprays may be entirely eliminated from the home garden. **Each .35**

AB NIC35—Nicotine contains a popular contact insecticide Nicotine which effectively controls aphid, lice, thrips, red spiders, worms, potato bugs, soft scale. Because of its odor it tends to keep dogs and cats away from shrubs and plants. **Each .35**

AB AL35—Arsenate of Lead for the control of brown tail moth, gypsy moth, leaf beetle, green apple bugs, apple scab, asparagus beetle. **Each .35**

AB BOR35—Bordeaux Mixture for the control of fungus disease of fruit, ground crops, vegetables. **Each .35**

One-half dozen in a carton.

For Use With Arnold's Sub-surface Feeder No. AB 150FI

AB FER35—Complete Liquid Fertilizer. Keeps plants healthy, well nourished and more resistant to disease. It is a scientifically balanced chemical plant food. Consists of nitrogen, phosphoric acid and potash. Compounded from formulas by Doctor Ivan H. Crowell, recognized authority on plant feeding. Arnold fertilizer cartridges should be applied by means of Arnold sub-surface feeder and irrigator, as described. **Each \$0.35**

Weight per carton 2 lbs. Ten in a carton.

STRAIGHT EXTENSION



For Insecticide Sprayers Nos. AB AC500 and AB AJR250
 These extensions are primarily intended for lengthening the range of the sprayer—for spraying tall shrubbery, young trees, rambler roses. All metal, chromium plated. Length 36 inches.

AB 150SS—Weight each ½ lb. **Each \$1.45**

Packing—bulk.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

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SPRAYERS

UTILITY

- Keep your premises free from insects with these sprayers.
- They are attractive, light in weight, easy to handle and operate.
- Choose the sprayer you need now to get rid of troublesome pests.



GLASS JAR TANK

Designed with quart glass jar tank to hold the solutions that affect metals.

A favorite with housewives, gardeners, poultry men. Especially useful for fumigation purposes.

Pump—1½x18 inches. Heavy tin, green lacquered and labeled, with cap and bracket soldered and braced. Steel plunger rod with black stained wood handle. Steel disc and special leather plunger cup. Double spraying tube.

Glass jar—one quart glass jar 7x3¾ inches with gasket to prevent leakage. Any quart Mason pattern glass jar can be used.

Length over all 21 inches.

Capacity 1 Quart

AB 427J—With glass jar. Weight per dozen 28 lbs. Each \$0.59



CONTINUOUS SPRAY

This exceptionally sturdy sprayer produces a finely divided continuous mist that gets into

every desired place. Handles all sediment-free solutions such as deodorants, disinfectants, insecticides.

Pump—heavy tin, attractively lithographed in green and red. Size 1½x13 inches. Sets into top of tank and securely soldered. Steel plunger rod with black stained wood handle. Steel disc and special leather plunger cup. Brass syphon tube and adjustable nozzle.

Tank—4x4 inches. Heavy tin, lock seamed and soldered. 1¼-inch filler opening with screw cap.

Length over all 19 inches.

Capacity 1 Quart

AB 40—Weight per dozen 13½ lbs. Each \$0.69



Use this rigidly constructed, well balanced sprayer for all general spraying in

and around the house, barn, garden.

Pump—heavy tin, attractively lithographed in green and red. Size 1½x13 inches. Passes through tank and is securely soldered. Steel plunger rod with black stained wood handle. Steel disc and special leather plunger cup. Single spraying tube.

Tank—heavy tin, 4x4 inches. ½ inch filler opening with screw cap. Carefully tested and inspected.

Length over all 18¾ inches.

Capacity 1 Quart

AB 33—Weight per dozen 15 lbs. Each \$0.39

One dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.



A general purpose sprayer at a moderate price. For use with any and all insecticides and disinfectants.

Pump—heavy tin, attractively lithographed in green and red. 1½x13 inches. Sets into top of tank and soldered. Steel plunger rod with black stained wood handle. Steel disc and special leather plunger cup. Single spraying tube.

Tank—4x4 inches. Heavy tin, carefully tested and inspected. ½-inch filler opening with screw cap. Length over all 16½ inches.

Capacity 1 Quart

AB 334—Weight per dozen 15 lbs. Each \$0.29



This handy, light weight sprayer is popular for house and garden use. It sprays disinfectants and insecticides easily and effectively.

Pump—heavy tin, attractively lithographed in green and red. 1¼x10 inches. Steel plunger rod with black stained wood handle. Steel disc and special leather plunger cup. Single spraying tube.

Tank—3x3 inches, heavy tin, carefully tested. ½-inch filler opening with screw cap.

Length over all 15 inches.

Capacity ¾ Pint

AB 202—Weight per dozen 7½ lbs. Each \$0.25



Outstanding Value

A handy efficient general purpose sprayer.

Pump—1¼x10 inches. Pump is set into top of tank and soldered. Steel plunger rod with black stained wood handle. Steel disc and special leather plunger cup. Single tube.

Tank—3x3 inches, heavy tin, carefully tested. ½-inch filler opening with screw cap.

Length over all 12¾ inches.

Capacity ¾ Pint

AB 230F—Weight per dozen 7 lbs. Each \$0.19

One dozen in a carton.

SMALL SPRAYERS

Makes a fine misty spray!

Practical, economical and desirable for use on particular or individual jobs. Fine for disinfecting small places such as garbage cans and closets. Sprays mothproofing chemicals efficiently.

Pump—Tin cylinder 1¼x7 inches, with threaded cap and single spraying tube. Steel plunger rod with black wood handle. Steel disc and special leather plunger cup.

Capacity 3½ Ozs.

Glass jar 2¾x2½ inches.

Length over all 9½ inches.

AB G2—Weight per dozen 7 lbs. Each \$0.15

One dozen in a carton.

Capacity 5½ Ozs.

Tin tank 3x1½ inches.

Length over all 9¾ inches.

AB 354—Weight per dozen 4 lbs. Each \$0.15

Two dozen in a carton.

SPRAYERS



**STREAM-LINE
BLIZZARD
—CON-
TINUOUS
SPRAY
Copper
Tank—
Brass Pump**

This sprayer is of the simplest mechanical construction and can be operated by anyone. It is built of the finest materials to insure long wear and durability. Can be disassembled without tools for cleaning.

Gives a continuous unbroken spray with slow pumping and will spray all insecticides for flowers, garden vegetables, shrubbery, plants. Excellent for spraying disinfectants, household fly spray, cattle spray.

Pump—seamless brass streamline barrel, 1½x15 inches, with twin nozzle for straight or angle spraying. Screws to tank. Steel pump rod with black enameled wood handle. Steel disc and leather plunger cap.

Tank—solid copper, streamlined, with extra large opening for easy filling.

Finish—highly polished and lacquered.

Length over all 18½ inches.

Capacity 1½ Quarts

TB 14C—Weight per dozen 23 lbs.....Each \$1.98

One-half dozen in a carton.

CATTLE SPRAYERS

UTILITY



CONTINUOUS SPRAY Galvanized Steel Tank

A very popular large capacity continuous sprayer with improved variable nozzle that can be adjusted to house-

hold insecticides, disinfectants, cattle spray, stock dips. Does a very efficient job, thoroughly, easily, rapidly and without waste.

Pump—1½x13 inches. Heavy tin, nicely lithographed in green and red. Sets into top of tank and is securely soldered and specially braced to tank. Steel plunger, with black stained wood handle. Steel disc and special leather plunger cup. Brass nozzle adjustable for any liquid or any type of spray.

Tank—5¼x6¼ inches, heavy galvanized steel with set-in ends, beaded and sweat soldered. ⅞-inch filler opening, with screw cap.

Length over all 19¼ inches.

Capacity 3 Quarts

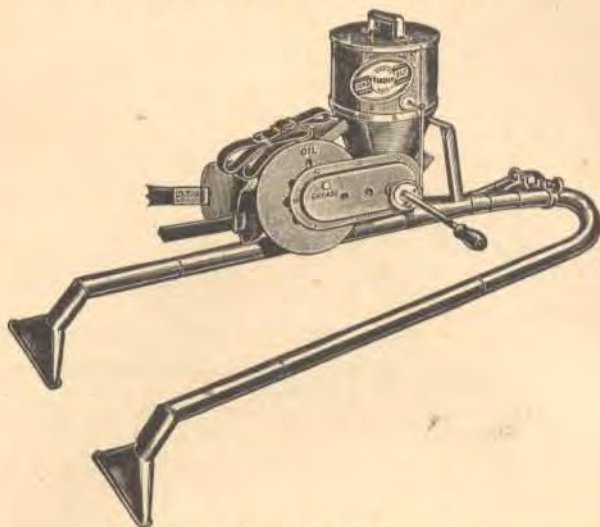
AB 235—Weight per dozen 30 lbs.....Each \$1.39

One-sixth dozen in a carton.

KEEN KUTTER Quality
Saves You Time,
Effort and Money

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

INSECTICIDE DUSTERS



DOBBINS' SUPERBILT UNIVERSAL

For dusting low-growing crops such as potatoes, cabbage, cotton—also for dusting shrubs and trees.

- Designed to discharge dust in rear of operator eliminating need of walking through poisonous dust. May be adjusted to discharge in front of operator if desired. Can be used effectively on horseback as machine is held securely by curved adjustable body support with shoulder and waist straps.

- Easy to operate for any angle or width. Agitator forces flow of fine powder into dust chamber and delivers a uniform film-covering dust cloud.

- Made with steel cut gears that run in oil in dustproof case. Long life bronze bearings. Large cover with special fastenings make it easy to fill.

Capacity—5 to 10 lbs. depending on kind of powder used.

Construction—Heavy lead-coated steel, attractively painted.

Size—Length without fittings 20 inches, height 15 inches. **Equipment**—Four 15-inch pipes, one branch connection, four special elbows, four regular elbows and two nozzles.

Complete with attachments for dusting one or two rows or for dusting trees and shrubs.

AB 200—Weight each 15 lbs.....Each \$12.75

One in a carton.

Here is the ideal sprayer to fight roaches, ants, flies, plant lice, fleas and other troublesome pests!

It's easy to operate, compact in construction, convenient size and shape to pack away when not in use.

Powder reservoir fitted with valve to prevent powder working into air chamber. Large screw cap, easily removed for filling or emptying.

Pump and powder reservoir—heavy tin, attractively lithographed in green and red. 1½x10¼ inches, 7-inch stroke. Steel plunger rod with black stained wood handle. Steel disc and special leather plunger cup.

Length over all 13¼ inches.

Powder Reservoir 1½x3 Inches

AB 660—Weight per dozen 14 lbs.....Each \$0.29

One dozen in a carton.

COMPRESSED AIR SPRAYERS

UTILITY

Operates successfully under high pressure, sprays faster and better than the hand pressure types.

Tanks are sturdily built of first quality galvanized sheet steel with convex ends securely held by double fold top and bottom seams. Construction further reinforced by riveting and sweat soldering top, side and bottom seams. Natural galvanized finish with lacquered green top and bottom. Attractive lithographed green and red label. Complete with red web shoulder strap.

Pump cylinders are seamless brass tubing with plunger fitted with specially treated cup leather. Fitted with malleable D handle.

Funnel top for convenience in filling, emptying or draining. With this construction tank can be rinsed free of sediment and drained completely dry.



This is a high pressure sprayer adapted for city and suburban use. Preferred by housewives because of its convenient size and easy operation. Suitable for all work around the home, flower beds, garden. It does the same efficient work as any of the large capacity compressed air sprayers.

Tank—17 inches high, 6½ inches in diameter.

Pump—1¼x14 inches attaches to tank by malleable cam lock which locks into heavy pressed steel ball valve, impervious to action of oil or creosote solution.

tank collar. Recessed bronze ball valve, impervious to action of oil or creosote solution.

Equipment—Interwoven hose ¾x24 inches attached directly to supply tube that extends to bottom of tank. Shut-off valve is all brass and automatic in operation. Operates under all pressures. Equipped with 18-inch brass extension and angle nozzle tip.

Capacity 2 Gallons

AB 347F—Weight per dozen 108 lbs.....Each \$3.59

New and Improved Shut-Off Valve



May be locked open so that when there is any extended spraying to be done, the operator can adjust the angle for it and then be free from the tedious job of holding the valve open as is the case with other types. A slight pressure of the finger or thumb down on the one side locks the valve open. A slight pressure in the reverse direction releases it and closes it tightly so that it will not leak or drip. It can be used like any ordinary type for turning off or turning on instead of locking, if desired.

Successfully handles all spraying solutions used on the farm and in the garden. Will also spray white-

wash, cold water paints, stock dips, disinfectants.

Tank—7¾x19 inches. Tested at 100 lbs. pressure.

Pump—1¼x12 inches. Plunger air-pak construction insuring maximum efficiency. Attaches to tank by cam lock. Cylinder friction gripped by cam lock top, making a unique unit construction. Pump independently locked or released by half turn of unbreakable malleable pump handle.

Equipment—Special high pressure spray hose ¾x22 inches—attaches directly to the syphon tube, which extends to bottom of tank, insuring discharge of all liquid. Shut-off valve. Fitted with 2-foot curved brass extension rod. Standard tapered ¼-inch pipe threads permit adding additional units. Disc type nozzle.

Capacity 3½ Gallons

AB 191G—Weight per dozen 120 lbs.....Each \$3.59

One in a carton.

Easy to open, fill, seal, drain and clean.

DOBBINS SUPERBILT BIGHEAD



Gives superior spraying service for whitewash, cold-water paints, stain, stock dips and all disinfectants. Check these important construction features: (1) Large opening, easy to fill or drain; (2) positive quick action sealing device with quick air release; (3) high-pressure seamless brass pump, 1¼ inches in diameter, 14 inches long. Self-lubricating pressure seal valve plunger that delivers more air per

stroke, prevents air loss, relieves friction. (4) Tank, 7¾ inches diameter, 20 inches high. Prime galvanized steel riveted, beaded and soldered. (5) Automatic shut-off, with 22-inch 2-braid spray hose and 24-inch brass extension rod with Aphis angle nozzle. Natural finish, red lacquered top, bottom, red hose and shoulder strap.

TESTED TO MANY TIMES THE HIGH

OPERATING PRESSURE

Capacity 3½ Gallons

AB 34G—Galvanized tank.....Each \$4.75

One in shipping carton.

KNAPSACK SPRAYERS



UTILITY

Entire inside of tank is accessible for quick, easy filling, emptying or cleaning.

Makes it particularly efficient with agricultural insecticides and fungicides. For nurseries, greenhouses, municipal parks, forest preserves, golf courses, summer camps, cemeteries, garden and field crops, vineyards, small orchards, shrubbery, flowers, fighting fires, sprinkling lawns.

Tank—Heavy gauge galvanized sheet steel, with completely removable head. Large removable fine mesh copper strainer. Broad, adjustable carrying straps attached with snaps.

Pump—Diaphragm type, using a specially compounded rubber reinforced by large metal discs. Operating lever is adjustable for height of operator or length of arm. Brass air chamber. Valves are bronze balls mounted in brass removable cages, protected from sediment by fine mesh copper screen.

Equipment—3 feet of ¾-inch special spray hose. All brass shut-off which locks open for continuous spraying. Copper mesh screen in end of hose line. 2-foot brass extension. All brass adjustable spray nozzle.

Capacity 4 Gallons

Oval 14½x7¾ inches. Height 14¾ inches.

AB 247G—Weight each 18 lbs.....Each \$14.75

Packed in two cartons.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

#BARROW SPRAYERS UTILITY

Combines the essentials of portability, ample capacity and high pressure. It is light, compact, easy to handle and to operate!

ONE MAN TYPE

Convenient for use in orchards, vineyards, flower gardens, greenhouses, nurseries, cemeteries, country clubs, vegetable gardens, barns, fields, poultry houses, dairies.

Successfully handles insecticides, fungicides, disinfectants, whitewash, cold water paint or water.

Tank—Heavy gauge galvanized sheet steel. Reinforced top edge. Beaded top and bottom for rigidity and added strength. Bottom seam folded and sweat soldered. Malleable lugs attach tank to frame—easily detached.

Pump—Lever operated. Easily removed for cleaning. Bronze ball valves accessible without dismantling. Fitted with non-clogging tubular brass screen which provides a strainer area 15 times greater than usual types. Special dasher agitator cleans screen thoroughly at each stroke of pump, permitting use of solution 25% to 33½% more concentrated.

Frame—Heavy channel steel with steel cross braces. Handles have shaped grips.

Wheel—16 inches in diameter, 2-inch tire. Light, strong and sturdy. Runs on steel bushing.

Equipment—5 feet of ¾-inch high pressure spray hose, 2-foot brass extension, brass angle spray nozzle and Perfection automatic shut-off.



With Reserve Air Pressure Tank

This sprayer is truly a one-man outfit. After a head of pressure has been developed the sprayer will operate for some little time before further pumping is necessary. The reserve

air pressure likewise insures an even high pressure and uniform discharge. Air pressure tank is boiler iron, with all seams welded. Tested under pressure of 275 lbs. Fitted with pressure gauge calibrated to 200 lbs. Securely anchored to frame.

Capacity 12½ Gallons.

#AY 237—Weight each crated, 65 lbs.....Each \$17.95

Without Air Pressure Tank



Capacity 12½ Gallons

#AY 236—Weight each crated, 40 lbs.....Each \$11.95

AT AN UNUSUALLY LOW PRICE!



keep solution properly mixed. Truck is channel iron, securely braced and reinforced with tie rods.

Equipment—5 feet of ¾-inch 5-ply spray hose, 2-foot extension and angle spray nozzle.

#AY 231—Weight each crated, 36 lbs.....Each \$10.45

One in a crate.

#Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

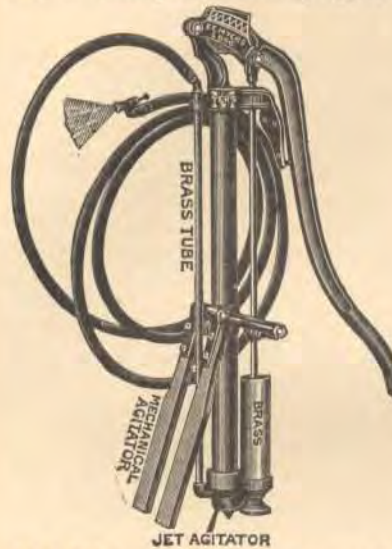
Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SPRAY PUMPS

MYERS' IMPROVED BARREL SPRAY

For Liquids

- This serviceable pump is simple in construction and is well made.
- It is the ideal spray pump for the ordinary sized orchard or garden.
- Requires no priming as all working parts are submerged in liquid when in use.
- Gives fine spray, coarse spray, or solid stream.



Patented Cog Gear Operating Handles

Brass cylinder, 2 inches in diameter. Bronze ball valves. Brass valve seats and ½ inch discharge pipe. Self expanding plunger. Malleable iron top and bottom frames.

Complete with both jet and mechanical agitators. Five ply discharge hose, ½ inch in diameter, 15 feet long.

Graduating Vermorel solid brass nozzle for fine or coarse spray and solid stream.

AB R305B—Weight per dozen 456 lbs.....Each \$16.25

MYERS' LITTLE GIANT BUCKET SPRAY FOR LIQUIDS

Throws a solid spray 50 feet!

Non-corrosive brass working parts and box valves.

For spraying trees, washing windows and machines, extinguishing fires, sprinkling lawns, flowers, etc. For spraying, a fine jet is discharged in bottom of bucket to keep solution thoroughly mixed and agitated. Also provided with sprinkler for flowers.

The labor of pumping is on down-stroke only. Throws continuous stream—not affected by plunger.

Construction

All brass with malleable iron foot rest to hold pump steady while pumping or spraying.

Complete with agitator, hose and Imperial combination, fine and coarse spray and solid stream nozzle.



AB 327F—Weight per dozen 72 lbs.....Each \$4.50

One in a carton.

KEEN KUTTER TOOLS
DO A GOOD JOB

UTILITY BUCKET PUMPS



- Easy to operate.
- Produces high pressure.
- Gives long, efficient service.
- Sells at a nominal price.

Uses

Suited for spraying insecticides and disinfectants, for stock dip and for emergency fire pump.

Height over all 24 $\frac{3}{4}$ inches.

Plunger cylinder and all working parts are brass. Malleable iron foot rest and pump handle.

Complete with 3 feet of $\frac{3}{8}$ -inch special spray hose and disc type nozzle for fine spray or solid stream. Intake strainer prevents sediments and solid particles from entering pump.

AB 112—Weight each 4 lbs.....Each \$2.75

One in a carton.

SPRAY HOSE



Especially well constructed for use with compressed air sprays and spray pumps.

Will stand a pressure up to 30 lbs. to the square inch. Withstands exposure and hard service.

Three ply—outside diameter $\frac{1}{8}$ inch, inside $\frac{3}{8}$ inch. Outer surface and inner tube are heavy red rubber stock, covering a high grade fabric, well frictioned.

AB 50 $\frac{3}{8}$ —Weight per 100 feet, 12 lbs.....Per Foot \$0.10

In lengths of 50 feet, cut to order, without couplings.

SPRAY HOSE CLAMPS

For $\frac{3}{8}$ Inch 3-Ply Hose



Suitable for use on air, spray and welding hose.

Heavy wrought brass, natural finish. Fitted with round head steel bolt and square nut.

AB $\frac{3}{8}$ 2—Weight per dozen $\frac{1}{4}$ lb.....Each \$0.05

Twelve dozen in a carton.

SHUT-OFF VALVE AND NOZZLE

UTILITY

For all standard makes of compressed air sprayers.

Locks open for continuous spraying, yet can be instantly released with a flick of the finger. Reversible spray disc adapts it for fine or coarse spray, or for solid stream.



All brass head and nozzle, accurately machined. Large, non-clogging liquid channels. Reversible spray disc for fine or coarse spray—or solid stream when removed.

Wrought steel operating lever. Threaded for $\frac{1}{4}$ -inch standard iron pipe. Complete with extra disc.

Length over all 6 $\frac{1}{4}$ inches.

AB 176—Weight each $\frac{1}{2}$ lb.....Each \$1.45

Packing—bulk.

SPRAY PUMP NOZZLES

MYERS' VERMOREL

For No. AB R305B Spray Pumps

Solid Brass



Threaded to attach to coupling of $\frac{1}{2}$ inch hose.

AB N—Weight per dozen 1 $\frac{1}{2}$ lbs.Each \$0.95

For No. AB 327F Spray Pumps

Solid Brass



Threaded to attach to coupling of $\frac{1}{2}$ inch hose.

AB MN—Weight per dozen $\frac{3}{8}$ lb.Each \$0.49

One in a carton.

DRAG ROAD SCRAPERS

With heavy steel ball, swivel eye and handle sockets; 29 $\frac{1}{2}$ -inch hardwood handles, painted black.



inches wide, riveted to bottom.

AMERICAN PATTERN

Japanned one-piece, 12-gauge, sheet steel body, round back. Two steel runners, 22 inches long, 1 $\frac{1}{2}$

Dimensions

Nos.	AY A12	AY A22	AY A32
Width of Body, Inches	31 $\frac{1}{2}$	28 $\frac{1}{2}$	24 $\frac{1}{2}$
Depth of Body, Inches	10 $\frac{1}{2}$	10	9 $\frac{1}{2}$
Length Over All, Inches	75	71	64

Nos.	Each	Cap., Cubic Feet	Wt. Each, Lbs.
AY A12	\$8.95	7	78
AY A22	8.45	5	70
AY A32	7.95	3	60

SLUSSER PATTERN



Japanned sheet steel body, 10-gauge, straight riveted back. Two steel runners 20 $\frac{1}{4}$ inches long, 1 $\frac{1}{2}$ inches wide, riveted to bottom.

Dimensions

Nos.	AY 1S	AY 2S	AY 3S
Width of Body, Inches	31 $\frac{1}{2}$	29	25
Depth of Body, Inches	11	10	9 $\frac{1}{2}$
Length Over All, Inches	74	72	69

Nos.	Each	Cap., Cubic Feet	Wt. Each, Lbs.
# AB 1S	\$10.95	7	91
# AB 2S	10.45	5	87
# AB 3S	9.85	3	75

* Goods marked thus (*) are not carried in stock and can be furnished only by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

WHEEL BARROWS

SIMMONS

Serviceable, well-balanced barrows, bent angle steel legs, extra braced and bolted. The tray is pressed sheet steel with patent turned edges, bolted and riveted to frame.

Handles extend in front of wheel to afford dumping fulcrum and protect the 16-inch steel wheel.

CONTRACTORS' BARROWS



ALL STEEL

Handles painted red, all other parts black.

Dimensions

Nos.	AY S3	AY S6	AY S10
Steel tray, gauge	18	16	14
Size tray, inches	33x28½x7	37x29½x9½	41½x32x9¾
Depth at handle, in.	4¼	6¾	7
Length, inches	72	78	82
Height, inches	17	19	21
Tread of wheel, in.	1½	1½	1¾

Nos.	Each	Capacity, Cubic Feet	Weight Each, Lbs.
AB 3S	\$ 6.25	3	56
AB S6	7.45	4	65
AB S10	11.25	6	88

Note—The capacities given above are correct when handling dry material, which can be heaped up. No. AY S10 is particularly suitable for handling coal and coke.

One in a bundle; knocked down.

EXTRA FRAMES

Nos.	Each	For Barrows, Nos.	Weight Each, Lbs.
AB SF4	\$3.35	AY S4	20¾
AB SF6	3.65	AY S6	20¾
AB SF10	4.85	AY S10	31¾

EXTRA TRAYS

AB ST4	3.95	AY S4	30
AB ST6	4.25	AY S6	35
AB ST10	6.65	AY S10	45

EXTRA WHEELS

AB SW46	1.85	AY S4 and AY S6	13
AB SW10	2.25	AY S10	14

Packing—bulk.

HARDWOOD FRAME



Tray is 16-gauge steel—37 inches long, 29½ inches wide. Wheel tread 1½ inches. Height 21½ inches. Length over all 63 inches.

Tray, wheel and other metal parts painted black. Handles and other wood parts bright red.

Capacity 4 cubic feet.

AB S27—Weight each 65 lbs.....Each \$8.25

One in a bundle; knocked down.

EXTRA TRAYS for No. AY S27.

AB S27T—Weight each 25 lbs.....Each \$4.25

EXTRA WHEELS for No. AY S27.

AB S27W—Weight each 12½ lbs.....Each \$2.25

Packing—bulk.



EXTRA STRONG

Tray is 16-gauge steel—29½ inches wide, 37 inches long, 8½ inches greatest depth. Extreme height 26 inches. Extreme length 65 inches.

Tray, wheel and other metal parts painted black. Handles and other wood parts bright red.

Capacity 4 cubic feet.

AB 2B—Weight each 75 lbs.....Each \$8.45

One in a bundle; knocked down.

#SPECIAL COAL BARROWS



A large capacity, heavy-duty barrow with rubber-tired wheels for moving coal from trucks to basement window.

Complete With Single Tube, 4-Ply Rubber-Tired Wheel No. D1264, 16x4 Inches

Heavy steel tray 46 inches long, 22 inches wide at back, 16½ inches in front, 8½ inches deep at rear, 12 inches deep in center, 2½ inches deep at front.

One piece 1½-inch tubular steel frame and handles, with double front braces and heavy U-shaped steel legs. Well braced, bolted and riveted throughout.

Capacity 6 cubic feet (300 lbs. coal).

#AY 52RTW—Weight each 90 lbs.....Each \$24.45

One in a bundle; knocked down.

#Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

RUBBER-TIRED BARROW WHEELS

AUTOMOTIVE TYPE

Easy to Install



Convert standard barrows fitted with ordinary wheels into easy-running, easy-pushing, rubber-tired wheel barrows.

High-grade four-ply black rubber casing with separate inner tube. Heavy steel double disc wheel. Steel hub with angle grease fitting. Diameter wheel 16 inches. Tire and tube 4.00-8 (16x4 inches). Plain bearing for ½ inch axle. Length hub 7 inches.

AY D1354—Weight each 13 lbs.....Each \$10.95

Packing—bulk.

CONCRETE BARROWS FOR CONCRETE OR MORTAR

SIMMONS

An excellent quality, strong barrow that will stand up under a hard job.



Bent angle steel legs, with renewable malleable shoes, securely bolted. One-piece 15 gauge pressed sheet steel tray, with turned edges, bolted to frame; tray mounted on wood riser, elevating front to prevent "slopping" over. Heavy steel wheel 17 inches in diameter, with steel axle. Tray 25½x39½ inches. Vertical depth at handle 7¼ inches, at wheel 10¼ inches. Height over all 25 inches. Handles extend in front of wheel to afford dumping fulcrum and to protect wheel. Handles 1¼x2½x63 inches, shaped to fit the hand.

Tray, wheel and other metal parts, painted black. Handles and other wood parts bright red.

Capacity 3 Cubic Feet

AB S20—Weight each 73 lbs.....Each \$8.45

One in a bundle, knocked down.

EXTRA TRAYS for No. AY S20.

AB S20T—Weight each 25 lbs.....Each \$5.45

EXTRA WHEELS for No. AY S20.

AB S20W—Weight each 12½ lbs.....Each \$2.25

Packing—bulk.

LARGE SIZE

Bent channel steel legs, securely bolted, with removable malleable shoes. Pressed steel tray, 16 gauge, with turned edges bolted to frame, mounted on wood riser, elevating front to prevent "Slopping" over.

Tray 26½x36½ inches. Vertical depth at handle 8 inches, at wheel 12¼ inches. Height over all 25 inches. Handles extend in front of wheel to afford dumping fulcrum and to protect wheel. Length over all 63 inches. Tray and other metal parts, painted black; handles and other wood parts bright red.

Capacity 4 Cubic Feet



With automotive type 16-inch rubber-tired wheel No. AY D1354 complete with casing and inner tube.

AY 4½RTW—Weight each 73 lbs.....Each \$19.95

With heavy steel wheel 16 inches in diameter with steel axle painted black.

AY 4½—Weight each 79 lbs.....Each \$8.95

One in a bundle, knocked down.

BARROW WHEEL REDUCING BUSHINGS

Required for converting standard barrows into rubber-tired wheel barrows. Cast steel. Outside dimensions—diameter 1¾ inches, length 2 inches. Inside diameter ½ inch.

For use on barrows Nos. AY S1½, AY S3, AY S4, AY S6, AY 201 and AY 3HK. For use with barrow wheel No. AY D1354.

AB 5812—Weight per pair ¾ lb.....Each \$0.60

Packing—bulk.



Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

WHEEL BARROWS



SIMMONS—RUBBER-TIRED

Just the barrow to use around the home grounds. Large enough for the average job, but will pass through the average doorways.

The pneumatic-tired wheel makes it possible to move larger loads easier and quicker and without damage to lawns, concrete walks, and curbs.

Equipped with Doenut 10x2.75-inch single tube, pneumatic cord tires. Heavy steel double disc wheel, with steel hub.

Pressed 18-gauge steel tray 24 inches wide, 35 inches long, vertical depth in front 8 inches, 5-inch rear; mounted on wood risers, elevating tray in front.

Hardwood handles 1½x2x56 inches, flat steel front braces. Legs made of 1½-inch channel iron, cross-braced, securely riveted, making strong, rigid legs.

Tray and metal parts painted green. Handles and other wood parts bright red.

Capacity 3 cubic feet.

AB SRT3—Weight each 43 lbs.....Each \$7.85

One in a bundle; knocked down.

HOME BARROWS



A lightweight, handy barrow for use around the home and in the garden. It is durable and strong, and will easily pass through the average doorway.

Tray, wheel and metal parts painted green. Handle and other wood parts, bright red.

Pressed steel tray 24 inches wide, 35 inches long, vertical depth in front 8 inches, at rear 5 inches.

Mounted on wood risers, elevating tray in front.

Legs made of 1¼x¼ inch steel, cross-braced, securely riveted, making strong, rigid legs.

Capacity 3 Cubic Feet

AY 3HK—Weight each 43 lbs.....Each \$3.95

One in a bundle, knocked down.

GARDEN BARROWS

SIMMONS

WITH STEEL WHEEL

These barrows are sturdy and strong—ideal for work in your garden, hauling sod, fertilizer, dirt or rocks. They are well balanced—easy-to-handle, and

one side is removable for easy dumping of contents. Hardwood body, frame and handle painted green and varnished. Steel braced wood legs, and steel front braces.

Length of tray inside 26 inches. Width at front 18 inches; width at back 23 inches; depth 12 inches. Height to bottom of tray from the floor 15 inches. Diameter wheel 18½ inches, 1½-inch tread. Length axle 10 inches. Length barrow over all 60 inches.

AB SN1½—Weight each 50 lbs.....Each \$6.25

Packing—bulk; knocked down.



SIMMONS K-K RUBBER HOSE—The Ultimate in Quality

BRAIDED—MOULDED

Buy the Best for Far-Sighted Economy and Continuous Satisfaction of Trouble-Free Use

A hose that is unexcelled for service where long-wearing, abrasion-resisting hose is demanded.

Constructed with two braids of "double-double" yarn, it is extremely strong, yet flexible and will not kink. Alternate layers of heavy seamless rubber tubing and twisted cotton braid of double-double construction are covered by an extra thick, rubber cover stock.

The layers are then vulcanized under high pressure into

one inseparable strong body without layers or plies to pull apart.

The rubber used is of the finest grade, unusually live and resilient.

The cotton cords are a very fine grade of tightly twisted yarn extremely strong and durable.

Materials and workmanship are guaranteed against defects . . . you are guaranteed complete satisfaction and best of service under ordinary use and reasonable care.



RED

TWO-BRAID

"10-year quality"

The 5/8 inch size will withstand a working pressure of 200 lbs.

In 250-Foot Bales				In 500-Foot Bales			In 50-Foot Lengths Complete with couplings			
Inside Diam., Inches	Nos.	Per Foot	Wt. Per Bale, Lbs.	Nos.	Per Foot	Wt. Per Bale, Lbs.	Nos.	Per Coil	Wt. Per Bale, Lbs.	
1/2	AB K250R 1/2	\$0.11 3/4	70				AB KC50R 1/2	\$6.15	15	
5/8	AB K250R 5/8	.12 1/2	80	AB K500R 5/8	\$0.12 1/2	160	AB KC50R 5/8	6.45	17	
3/4	AB K250R 3/4	.13 1/4	95	AB K500R 3/4	.13 1/4	190	AB KC50R 3/4	6.95	20	

SIMMONS RUBBER HOSE

(BRAIDED—MOULDED.) CORRUGATED TWO-BRAID

- Extra heavy construction, will resist abrasion and exposure.
- Double-double cord yarn construction.

- Separate layer of rubber between each braid.
- All vulcanized into one mass under pressure.



BLACK

TWO-BRAID

"8-year quality"

The 5/8 inch size will withstand a working pressure of 175 lbs.

In 250-Foot Bales				In 500-Foot Bales			In 50-Foot Lengths Complete with couplings			
Inside Diam., Inches	Nos.	Per Foot	Wt. Per Bale, Lbs.	Nos.	Per Foot	Wt. Per Bale, Lbs.	Nos.	Per Coil	Wt. Per Bale, Lbs.	
1/2	AB S250 1/2	\$0.10 3/4	70				AB S50 1/2	\$5.65	15	
5/8	AB S250 5/8	.11 3/4	80	AB S500 5/8	\$0.11 3/4	160	AB S50 5/8	5.98	17	
3/4	AB S250 3/4	.12 3/4	95	AB S500 3/4	.12 3/4	190	AB S50 3/4	6.65	20	

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

RUBBER HOSE

It is easy to keep your lawn and garden fresh and green, when you have a dependable hose—one that is strong and durable, yet flexible, lightweight and easy to handle. This high quality hose meets these demands for use around the home, and also for light industrial purposes.



Klicker BRAIDED—MOULDED

3-Year Quality
Larger, heavier in cord construction.

Outstanding quality at the low price! This lightweight one braid hose will withstand all ordinary water pressure. The cover is good quality corrugated rubber, to give extra wear and withstand cracking caused by the sun.

Brown Color—Size 5/8-Inch

IN COILS—COMPLETE WITH COUPLINGS

Nos.	Per Coil	Length Coil, Feet	Wt. Per Coil, Lbs.
AY 50KL 5/8	\$3.29	50	15
AY 25KL 5/8	1.89	25	7 1/2

Put up in bundles.
IN 250-FOOT BALES

AB 250KL 5/8—Weight per bale 75 lbs...Per Foot \$0.06 1/2



PENNANT

A quality product—braided—moulded.

Well constructed with single braid, moulded corrugated cover . . . heavy walls. Will withstand ordinary water pressures and give entire satisfaction.

Black. Size 5/8-inch.

IN COILS—COMPLETE WITH COUPLINGS

Nos.	Per Coil	Length Coil, Feet	Wt. Per Coil, Lbs.
AY PB50 5/8	\$2.89	50	14
AY PB25 5/8	1.59	25	7

Put up in bundles.
IN 250-FOOT BALES

AB PB250 5/8—Weight per bale 70 lbs...Per Foot \$0.05 3/4



Size 5/8-inch.

IN COILS—COMPLETE WITH COUPLINGS

Nos.	Per Coil	Length Coil, Feet	Wt. Per Coil, Lbs.
AY AR50 5/8	\$2.39	50	16
AY AR25 5/8	1.29	25	8

Put up in bundles.

* Goods marked thus (*) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

LACLEDE

Green



A Quality One Braid Moulded Hose

5-year quality.

This good quality corrugated rubber hose has double cord construction and thick, sturdy walls. It's guaranteed against defects in workmanship and material, as

well as from breaking from ordinary water pressures anywhere in the United States.

Green. Size 5/8-inch.

IN COILS—COMPLETE WITH COUPLINGS

Nos.	Per Coil	Length Coil, Feet	Wt. Per Coil, Lbs.
AB LG50 5/8	\$5.45	50	15
AB LG25 5/8	2.85	25	7 1/2

Put up in bundles.

IN 250-FOOT BALES

AB LG250 5/8—Weight per bale 75 lbs.....Per Foot \$0.10

* GARDEN HOSE

REPUBLIC



"FAIRWAY"

Extra Strong—Moulded and Braided

For parks, cemeteries, estates, contractors, golf courses, green houses and industrial uses—wherever long water lines are needed.

The extra strong, double strand cords will withstand high pressures. The wear-resisting cover can be dragged over rough surfaces.

Moulded, flexible rubber inner tube and cover and two double-strand braids are vulcanized under high pressure into one inseparable unit.

Brown

Nos.	Per Foot	Inside Diameter, Inches	Weight Per 100 Feet, Lbs.
* AY F 1/2	\$0.17	1/2	39
* AY F 5/8	.17 1/2	5/8	47
* AY F 3/4	.19	3/4	53

In continuous lengths up to 500 feet.

HEAT YOUR HOME WITH A SIMMONS
CIRCULATING OIL HEATER — CLEAN,
EASY to TEND, ECONOMICAL to OPERATE

REPUBLIC HOSE—Designed for the Job

SUCTION HOSE



TOWER BRAND

Light Weight—Withstands Wear

Constructed especially for carrying water from tank into steam tractor rigs or spray rigs from water containers. Excellent for all heavy, water-suction service where abrasive solids are in suspension or where acid conditions are encountered. Smooth bore, rugged. Without wire insertion.

AY E434—Hard Rubber

Inside Diameter, Inches	Per Foot	Weight Per 100 Ft., Lbs.	Std. List, Per Foot
4-Ply			
# 3/4	\$0.32	54	\$0.33
1	.39	66	.39 1/2
1 1/4	.44	79	.45
#1 1/2	.52	91	.53 1/2
5-Ply			
#2	.69	128	.72

Note—When ordering, be sure to give number, ply and inside diameter.

Packing—3/4-inch—250 feet in a bale. Others—100 feet in a bale.
50 feet in a bale.

SUCTION HOSE



AERO BRAND—ROUGH BORE

For General Service Where Requirements Are Not Severe
Made on a flat wire with woven cotton jacket.

No. AY E601—In 10, 15, 20-Foot Lengths (Specify Length Wanted)

Inside Diameter, Inches	Per Foot	Weight Per 100 Ft., Lbs.	Std. List, Per Foot
#1 1/4	\$0.69	69	\$0.72
#1 1/2	.75	74	.79
2	.83	100	.88
#2 1/2	1.07	133	1.12

"AGRICULTURAL"—ROUGH BORE

For Fields and General Agricultural Use

Made on a flat wire with woven, yellow painted, cotton jacket for protection against sun, weather and abrasion.

No. AY E557K21—In 10, 15, 20-Foot Lengths (Specify Length Wanted)

Inside Diameter, Inches	Per Foot	Weight Per 100 Ft., Lbs.	Std. List, Per Foot
#1 1/2	\$1.19	116	\$1.20
2	1.27	152	1.29

Note—When ordering, be sure to give number and inside diameter.

In bales of 100 feet of a size.

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

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STEAM HOSE



"DOUBLE CROSS"

Be sure of safe, dependable performance. For refineries, industrial plants, pile drivers, and general service. Used for high pressures and live steam.

Wrapped fabric construction . . . extra strong duck, fine quality tube adhesion, friction and cover.

No. AY E101—Black

Inside Diameter, Inches	Per Foot	Weight Per 100 Ft., Lbs.	Std. List, Per Foot
4-Ply			
1/2	\$0.39	42	\$0.56
3/4	.49	63	.71
5-Ply			
3/4	.60	71 3/4	.87
1	.73	87 3/4	1.07
1 1/4	.89	103 1/4	1.30
6-Ply			
1 1/4	1.07	120	1.56
1 1/2	1.29	150	1.87
8-Ply			
2	2.29	214	3.32

Note—When ordering, be sure to give number and inside diameter.

In 50-foot lengths.

ROAD HOSE



For Less Trouble on the Job

This tough water hose meets the demand of the contractor and construction engineers for a carrier that stands up under the severe service requirements of general road work.

High grade rubber tube and outer cover, with wrapped fabric construction. Fine cotton plies, well frictioned.

AY E595—5-Ply Red

Inside Diameter, Inches	Per Foot	Weight Per 100 Feet, Lbs.
1 1/2	\$0.67	100
2	.85	130

Note—When ordering, be sure to give number and inside diameter.

In 50-foot lengths.

**Build Up Your Home Work Shop
with KEEN KUTTER TOOLS —
They Do Fine Work
And They Last A Long Time**

REPUBLIC HOSE—Designed for the Job

• Years of scientific experiments with materials and uses have gone into making these modern, perfected products last longer and give continuous, dependable service.

FIRE HOSE



RELIEF BRAND

Tested by Hydraulic Pressure

This high quality fire hose has been approved by the Chicago National Underwriters and bears their label. The cotton jacket is rubber-lined and adheres to the lining by a thin insulation of quality rubber "backing."

AX K16—SINGLE JACKET—UNCOUPLED

Will stand a test pressure of 300 lbs.

Inside diameter, inches	1½	2	2½	3
Wt. per 100 ft., lbs.	43	58	77	95

Write for Latest Prices

AX K106—DOUBLE JACKET—UNCOUPLED

Will stand a test pressure of 400 lbs.

Inside diameter, inches	1½	2	2½	3
Wt. per 100 ft., lbs.	60	78	103	132

Write for Latest Prices

In 50 foot lengths.

Note—When ordering, be sure to give number and inside diameter.

FIRE HOSE COUPLINGS

EXPANSION RING

Standard quality brass—commercial quality hose.

For Hose Inside Diameter, Inches	Per Set	Wt. Per Set, Lbs.
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No. AY SJ—FOR SINGLE JACKET FIRE HOSE

1½	\$2.35	2
2	2.65	3
2½	3.65	5

No. AY DJ—FOR DOUBLE JACKET FIRE HOSE

1½	\$2.65	2½
2	3.35	3½
2½	5.35	6
3	9.35	8

Note—Important—When ordering, be sure to give number and inside diameter.

Always specify whether thread is National Standard or Standard iron pipe thread. If it is neither of above give outside dimensions of male thread and the number of threads per inch. If such information is not available send sample coupling.

Price includes attaching.

Polly Prim

ENAMELWARE
is long wearing,
easy to clean
and attractive

Goods marked thus () are not carried in stock and can only be furnished by shipment direct from factory.

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WATER HOSE



"TONKA"

MOULDED—BRAIDED

Constructed with two strands to the outside and one strand to the inside braid. Tube—cover—adhesion and friction. Strong and flexible.

No. AY L47—BLACK

Inside Diameter, Inches	Per Foot	Weight Per 100 Feet, Lbs.	Std. List, Per Foot
1	\$0.25	49½	\$0.25½
2-Braid			
3-Braid			
# ½	.25	35	.25½
# ¾	.26	48	.27
1¼	.45	75	.46½
1½	.50	89¾	.53½
# 2	.68	119	.70½

¾-inch and smaller 500 feet; 1¼ to 2 inches, 350 feet in a bale.

Note—Couplings extra.

Note—When ordering, be sure to give number and inside diameter.

WATER HOSE COUPLINGS

Standard quality brass, attached with one galvanized clamp.

No. AB WHC—ATTACHED TO HOSE

For Hose Inside Diameter, Inches	Per Set	Wt. Per Set, Lbs.
½	\$0.45	½
¾	.45	½
¾	.45	½
1	.95	¾
1¼	1.50	1¼
1½	1.95	1½
2	2.65	2½
2½	4.85	3½
3	7.95	6

Packing—bulk.

Note—When ordering, be sure to give number and inside diameter.

PNEUMATIC TOOL HOSE



TOWER BRAND

For Severe Heavy-Duty Pneumatic Tool Service

This hose deserves its rapidly increasing popularity because of its combination of flexibility, easy handling, oil-resisting tube and exceptionally tough cover. Withstands heavy compressor pulsations.

Moulded—braided construction—non-kinking—continuous lengths up to 500 feet.

No. AY L5—BROWN

Inside Diameter, Inches	Per Foot	Weight Per 100 Feet, Lbs.	Std. List, Per Foot
¾	\$0.21	22½	\$0.21½
½	.24	28	.25
2-Braid			
3-Braid			
½	.27	40	.28½
¾	.35	48	.37½
1	.40	60	.43

Note—When ordering, be sure to give number and inside diameter.

REPUBLIC HOSE—Designed for the Job

JET HOSE



For Loose Sand or Muddy River Bottoms

Recommended also for service on hydraulic stripping operations and for removing over-burden or top soil in strip mines, sand and gravel pits and quarries.

The hard, thick rubber cover resists abrasion in these operations. Wrapped duck construction, with extra strong duck to withstand pressures essential to jetting service.

A layer of high-grade live rubber friction between plies insures pliability and safe expansion under pressure.

AY 2281—EIGHT-PLY

Inside Diameter, Inches	2	2½	3
Wt. per 100 Ft., Lbs.	182	225	242
Per Foot	\$1.57	1.85	2.19

Note—When ordering be sure to give No. and inside diameter.

In 50-foot lengths.

BEER PUMP TUBING



Sanitary—Tasteless—Odorless

Light, flexible tubing of wrapped construction. With white moulded rubber inner tube and red rubber cover with frictioned fabric plies.

In continuous lengths up to 50 feet.

Nos.	Per Foot	Inside Diam., Inches	Ply	Wt. Per 100 Feet, Lbs.	Std. List, Per Foot
AY 5163	\$0.09	1/8	3	15	\$0.09
AY 125	.13	1/2	5	20	.13 3/4

GASOLINE HOSE



Composed of a flexible, galvanized metal lining, covered with a seamless oil-resisting rubber tube and an exterior jacket of heavy woven cotton cord. The lining is a reinforcement against kinking and crushing, with the rubber tube, which is highly resistant to gasoline, acts as a cushion and seals the metal lining against leakage. The closely-woven jacket permits operation under pressure and provides long wear.

IN 10-FOOT LENGTHS, NOT COUPLED

AR L58K19—Inside diameter 1¼ inches. Weight per 100 feet 70 lbs. Std. List, Per Foot \$0.53
Per Foot \$0.53

GASOLINE HOSE COUPLINGS

For use on gasoline hose No. AY L58K19, inside diameter 1¼ inches.

ATTACHED TO HOSE

AB GHCl¼—Weight per set 1½ lbs. Per Set \$1.95

Packing—bulk.

‡ Goods marked thus (‡) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

‡ PAINT SPRAY HOSE



“ALL SERVICE”

Tube and cover are made from the highest quality compounds that resist paint, duco, turpentine, and solvents to a remarkable degree. Moulded and braided construction. Longest life is obtained when hose is carefully cleaned by blowing through it the same solvent used in the paint.

Continuous lengths up to 500 feet.

‡ AY L106—TWO-BRAID

Inside Diameter, Inches	‡ 3/8	‡ 1/2	‡ 3/4
Wt. Per 100 Ft., Lbs.	24	31	45
Per Foot	\$0.20	.24	.34
Std. List, Per Foot	\$0.21	.25	.35 1/2

Note—Will be cut to order—couplings not included. When ordering, be sure to give No. and inside diameter.

‡ SPRAY HOSE



RELIEF BRAND

For spraying trees and shrubbery.

A high pressure non-kinking spray hose of moulded and braided construction that successfully meets all the destructive actions of this type of service. A special rubber compound in the tube resists the effects of chemicals and oil. Three braided plies of heavy hard-twisted cord give the hose ample strength to carry pressure of 500 lbs. The cover will withstand dragging over stony ground. Color, black.

Continuous lengths up to 500 feet.

‡ AY L105—3-BRAID

Inside Diameter, Inches	Per Foot	Weight Per 100 Feet, Lbs.	Std. List, Per Foot
‡ 3/8	\$0.25	33	\$0.26 1/2
‡ 7/16	.27	38	.28
‡ 1/2	.29	39	.30 1/4
‡ 3/4	.36	51	.37 1/2

Will be cut to order—couplings not included.

GARAGE AIR HOSE



PNEUMATIC—Tough and Long Wearing

Designed to withstand gruelling service of dragging over cement, around sharp corners, over curbs, through oil and of being run over by automobiles.

Sheeting construction, highest quality heavy red tube, friction and cover. Exceedingly flexible.

Continuous lengths up to 500 feet.

AY E566—5-PLY

Inside Diameter, Inches	1/4	3/8
Outside Diameter, Inches	5/8	3/4
Working Pressure, Lbs.	250	175
Bursting Pressure, Lbs.	1200	1000
Wt. Per 100 Ft., Lbs.	17 1/2	22 1/4
Per Foot	\$0.16	.21
Std. List, Per Foot	.17 1/2	.22

Note—When ordering be sure to give No. and inside diameter.

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LAWN SPRINKLERS—Save Time and Trouble and Keep Your Grass Green

RAIN KING

Quality that tells in long service.

MODEL G



This modern, streamlined sprinkler offers an amazingly efficient performance. It revolves at slow or fast speed on level ground, slopes or in high winds—and can't stall. This gives a good, soaking downpour or a lighter, faster spray for flower, seeded beds and delicate foliage. The adjustable two-jet nozzle also makes it possible for the sprinkler to cover a circle of from 12 to 65 feet, throwing the water evenly. At 20 pounds pressure 240 gallons of water is distributed over a 65-foot circle.

Less than a quarter turn of the lever on the nozzle is necessary to give a far-out to a close-in spray.

Graceful patented design with rich brass fittings and green enameled body. Arm, nozzle and upright are brass . . . bronze bearings.

AB G—Weight per dozen 66 lbs.....Each \$3.75

MODEL H



This large, substantial sprinkler is fitted with nozzles that, when set for fine spray, throw more water—over 300 gallons per hour on 20 pounds pressure.

Many sprinklers want this special output for fine spray, and the sprinkler is equally outstanding in performance when set for coarse or medium spray.

Nozzles are chromium plated with uprights and fittings of solid brass.

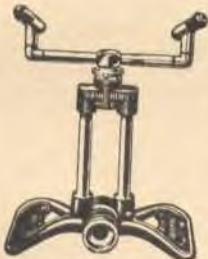
All other parts are high quality cast metal, finished in green.

AB H—Weight per dozen 60 lbs.....Each \$3.65

One in a carton.

MODEL D

Revolving or Stationary



An excellent value, exceptionally efficient on all water pressures. Fitted with latest patented nozzles which require just a touch to adjust for any spray or direction, fast or slow speed, or stationary sprinkling.

Cast base and upper frame red enameled. Brass double water column, sprinkler arms, nozzles and hose couplings.

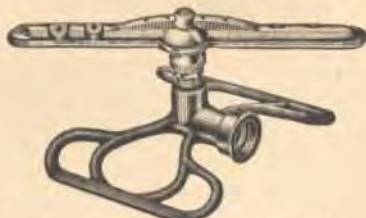
Base 7x7½ inches; spread at arms 7 inches; height over all 9 inches.

AB D—Weight per dozen 33 lbs.....Each \$2.65

One in a carton. One dozen in a case.

JEWEL

Sprinkles Evenly



An efficient sprinkler for small spaces with the water turned low, that will also sprinkle a circle 50 feet in diameter with 40 pounds pressure.

The long, smooth-running double bearing is self-closing against leakage and is most durable.

Malleable iron base, 5¼x7 inches, black enameled. Heavy sheet brass sprinkling arm is 10 inches long. Height over all 4½ inches.

AB J—Weight per dozen 23 lbs.....Each \$1.19

One in a carton. One dozen in a case.

UNIVERSAL THREAD—FOR ½, ⅝ AND ¾ INCH HOSE COUPLINGS

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

RED BIRD



Sprinkles a square area while whirling. No waste, because there is no overlap. Will sprinkle along drives and walks without wetting passers-by.

Self-lubricating double bearings insure smooth operation and long life. Head with non-breakable arms cast in one piece. Attractive modern hexagon base with hose connection at outer edge; wrought iron pipe upright. All red enameled finish. Easy to connect and disconnect. Base 7 inches wide. Height 9 inches.

AB RB125—Weight per dozen 27 lbs.....Each \$1.2

A Quality Sprinkler at a Popular Price



This easy-running sprinkler has solid brass revolving head and arm that distribute the spray evenly over a medium sized area.

Red enameled cast base, 5½x8 inches, with swivel hose connector. Wrought iron upright also enameled red. Each arm 4½ inches long. Height 8¾ inches.

AB 66S—Weight per dozen 23 lbs.Each \$0.9

One in a box; one dozen in a carton.

BUNNY

"Looks Like a Bunny, Runs Like a Bunny"



Nothing to adjust, nothing to get out of order! This well built sprinkler revolves smoothly on pressures as low as 5 lbs. Sprinkles area up to 40 feet in diameter. Will stand rough usage.

Cast metal base, 7x5¼ inches red enameled. Brass revolving head with 2¼-inch "ears" and connection with bearing that will wear indefinitely. Height over all 6 inches.

AB B75—Weight per dozen 16 lbs.....Each \$0.9

One in a carton.

WHIRLING



This small sprinkler with all brass arms and body and a heavy green enameled base, sells at a popular price. Will sprinkle in a 40 foot circle at 40 pounds pressure.

Each arm is 3 inches long, height 2½ inches.

AB 153—Weight per dozen 5 lbs.....Each \$0.29

One-quarter dozen in a carton.

Use

KEEN KUTTER

CUTLERY and TOOLS

LAWN SPRINKLERS



ARMSTRONG-NELSON "FOUNTAIN"

The special perforation arrangement on the round sprinkler causes perfect distribution of water, throwing finely divided, misty spray over a large circular area.

Heavy sheet brass top and bottom, well crimped to withstand the heaviest water pressure. Diameter 8 $\frac{1}{2}$ inches, height 1 $\frac{1}{2}$ inches.

AB F—Weight per dozen 12 lbs. Each \$0.98

One in a lithographed cardboard display box.



THE CIRCLE

Throws powerful, fine spray in all directions. Covers area up to 40 feet in diameter.

New type construction provides walls which are guaranteed to withstand 100-lb. pressure. Has 4

rows of clean cut holes that give perfect distribution—throws water far out and to a great height, a complete circle of mist-like spray.

Extra heavy brass top with rust-resistant cadmium-plated bottom. Diameter 8 inches, height 1 $\frac{1}{2}$ inches.

AB IR—Weight per dozen 12 lbs. Each \$0.75

One-half dozen in a carton.



CRESCENT

Easily Moved While Sprinkling

A non-tipping sprinkler that will cover a complete, wide half-circle. You can move it wherever you wish without

shutting off water or getting wet.

Extra heavy brass, finely perforated. Width 8 $\frac{1}{2}$ inches, height 1 $\frac{1}{2}$ inches.

AB C1—Weight per dozen 10 $\frac{1}{2}$ lbs. Each \$0.95

One in a display box. Six dozen in a carton.



THOMPSON TWIN

For High or Low Pressure

A practical sprinkler for any lawn and water condition. It operates perfectly under any pressure and throws water in a finely divided spray over a large area.

Die cast zinc, brass lined. Size 3 $\frac{1}{2}$ x2 $\frac{3}{4}$ inches, height 1 $\frac{1}{16}$ inches.

AB 70—Weight per dozen 8 $\frac{1}{4}$ lbs. Each \$0.35

One-half dozen in a carton.



"CAN'T BEAT 'EM"

This heavy flat sprinkler has one spray hole that never clogs! Will cover a large area on low pressure. Cast iron, red enameled. Height 1 $\frac{1}{2}$ inches, diameter of base 4 $\frac{1}{2}$ inches.

AB CBG—Weight per dozen 15 lbs. Each \$0.39

Six dozen in a case.

UNIVERSAL THREAD FOR $\frac{1}{2}$, $\frac{3}{8}$ and $\frac{1}{4}$ -INCH HOSE COUPLINGS

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

PORTABLE SPRAY HEADS



Flexible, Movable Lawn Sprinkling System

Just connect in series and these spray heads form an effective sprinkling system, as a large number of heads can be used on normal pressures without reducing the volume on those farther away from the water supply.

The heads produce a perfect mist-like spray that evenly covers wide areas and conserves water volume. Use them separately, too, for small areas.

Heavy brass spray head with brass nut swivel connection and stop nut, securely mounted on heavy wrought steel brass plated base. Head 3 $\frac{1}{4}$ inches long, base 1 $\frac{1}{2}$ inches wide and 9 inches long, height 2 $\frac{1}{2}$ inches.

AB 75—Weight per dozen 9 lbs. Each \$0.75

STAYFLAT



Connect in series for a sprinkling system or use singly with end cap applied for moderate areas.

Heavy wrought brass body has die-cut threads, and is mounted on an enameled steel base. Patented swivel connection prevents tipping from writhing hose.

Spray head is 2 $\frac{1}{2}$ inches long, base 9 $\frac{1}{4}$ inches long, 1 $\frac{1}{2}$ inches wide. Height 1 $\frac{1}{2}$ inches.

AB 72—Weight per dozen 5 lbs. Each \$0.45

Four spray heads, with two end caps in carton.

SPRINKLERS

FLARING ROSE



For sprinkling flowers, seedlings, young plants and delicate foliage. The small perforations make a fan-like sheet of tiny jets like light rainfall, which will not crush or beat down the plants.

The sprinkler head aims the spray directly forward, resulting in an even, measured spraying area.

Die cast body, Duco enameled, with heavy wrought brass perforated spray front. Length 4 inches, front 4 $\frac{3}{4}$ x1 $\frac{1}{2}$ inches.

Six sprinklers assorted colors (two each in green, orange and red), in a four-color display carton.

AB FR50—Weight per dozen 6 lbs. Each \$0.49

One-half dozen in a carton.

ROSE



For flower beds and shrubbery. These sprinklers cover a wide area with a good spray of water even when the pressure is light.

Wrought brass, with 2 $\frac{3}{8}$ -inch face.

AB RN3—Weight per dozen 2 $\frac{1}{2}$ lbs. Each \$0.29

Six dozen in a carton.

FLAT SPRAY



Makes a fine, wide spray. A popular type sprinkler for flowers and seedlings at a low selling price. Heavy sheet brass throughout, plain brass finish. Length 2 $\frac{1}{16}$ inches, front 4 $\frac{3}{8}$ x1 $\frac{3}{16}$ inches.

AB 302—Weight per dozen 2 $\frac{1}{4}$ lbs. Each \$0.29

One dozen in a carton.

HOSE NOZZLES — Well Constructed for Years of Efficient Service



SIMMONS

Serviceable and durable nozzle, attractive appearance. It's easy to adjust to a spray for lawn and garden, to a heavy, solid stream for washing the

car or sidewalks and steps, or to a convenient shut-off. Will give years of steady use.

Heavy wrought brass, polished. Length 3 3/8 inches.

AB S3—Weight per dozen 6 lbs.....Each \$0.59



BOSTON SPRAY

A quality nozzle of polished cast brass—adjustable for solid stream shower, spray and complete shut-off. Length 4 1/4 inches.

AB BS—Weight per dozen 6 1/2 lbs.....Each \$0.75



RAIN KING

A chromium-plated nozzle that delivers 5% to 20% more water per hour on 20 lbs. pressure than many other nozzles of larger size. Will not rust or tarnish, leak or stick.

Accurately machined from solid brass. Adjustable for any spray or stream and complete shut-off. Length closed 3 3/8 inches.

Chromium-plated inside and outside.

AB N1—Weight per dozen 7 lbs.....Each \$0.65



DIAMOND

Throws a long, powerful stream or any degree of spray to the finest mist and shut-off. A pilot holds the spray point central, causing a uniform, symmetrical spray.

Heavy wrought brass, chromium plated to prevent rust and tarnish. Expertly made. Length closed 4 inches.

AB 40C—Weight per dozen 4 lbs.....Each \$0.49

One dozen in a carton.

UNIVERSAL THREAD—FOR 1/2, 5/8 AND 3/4 INCH HOSE COUPLINGS



DIXIE

A low priced nozzle with the weight and spray controls of higher priced nozzles. It will stand hard usage and has a

packing nut to stop any possible leak. The spray tip is slightly loose, causing the water to center it—resulting in exactly uniform sprays and streams, and complete shut-off.

All brass, finely polished. Length 3 3/8 inches.

AB D35—Weight per dozen 5 lbs.....Each \$0.39



SPECIAL

Solid brass nozzle with polished finish. Adjustable for spray, solid stream or shut-off. Length 3 3/8 inches.

AB FBN—Weight per dozen 4 1/2 lbs.....Each \$0.29



PAT

A newly designed low-priced quality nozzle of real value—attractive in appearance, easily adjusted.

With all adjustable features, from a fine, mist-like spray to a heavy, coarse spray and shut-off. Constructed of solid rod brass and heavy wrought brass. Polished finish. Length 3 3/8 inches.

AB P29—Weight per dozen 12 lbs.....Each \$0.27

One dozen in a carton.

HOSE WASHERS

RED RUBBER

For 1/2 and 3/4-Inch Hose Couplings



AB 50 — One dozen washers in a box, one dozen boxes (1 gross) in a cardboard carton; weight per carton 3/4 lb.



Per Box (1 Doz.) \$0.05

AB 50B—1-Lb. Box (about 288 washers to the lb.).....Per Lb. \$0.49

HOSE PLAY PIPES



UNDERWRITER PIPE

Here is the best style of pipe

for mill use, made in conformity with the requirements of the Associated Factory Mutual Fire Insurance Companies. It has a seamless copper tube firmly attached to the mountings, is wound with marline, and painted red. The word **underwriter** is stamped in black on the red paint, together with name and the date of manufacture.

Note—Give number and specify size outlet.

#AY U—2 1/2-inch butt, 30 inches long with swivel handle:

Standard outlet 1 1/8 inches.

Nos.	Each	Size Outlet, Inches
# 3/4	\$12.50	3/4
# 7/8	12.50	7/8
# 1	12.50	1
# 1 1/8	12.50	1 1/8
# 1 1/4	12.50	1 1/4

Packing—bulk.

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SUB-SOIL IRRIGATORS



This sub-soil irrigator will supply life-giving water to the feeding roots of your trees and shrubs when light rains and surface sprinklings evaporate before reaching them.

It makes a hole in the ground only 3/8-inch in diameter—too small to injure either sod or roots and is quickly filled up later by dirt carried in by surplus water on top of ground.

Used by attaching to hose and resting end of tube lightly on the ground. The water pressure bores hydraulically and the irrigator goes down any distance up to 30 inches.

Made entirely of brass. Handle with shut-off valve is 5 1/4 inches long, 1 3/8 inches in diameter. Tube is 30 inches long, 3/8-inch in diameter.

Attachable to Hose With 1/2, 5/8 or 3/4-Inch Couplings

AB ISS—Weight per dozen 30 lbs.Each \$1.69

One in a carton.

HOSE COUPLINGS

PERFECT CLINCHING PATTERN

Clincher couplings are easy to attach. Wrought brass tube. Long grip galvanized iron turned-in fingers that clinch but do not cut the hose. Female ends have washer recess so that washer can't fall out.

Rolled thread.

Male and female. Length $2\frac{1}{16}$ inches.



Nos.	Each	For Hose, Inch
AB 20 $\frac{1}{2}$	\$0.23	$\frac{1}{2}$
AB 20 $\frac{5}{8}$	.23	$\frac{5}{8}$
AB 20 $\frac{3}{4}$	.23	$\frac{3}{4}$

Weight per dozen 2 lbs.
One dozen in a cardboard box.

Female—length $1\frac{1}{2}$ inches.



Nos.	Each	For Hose, Inch
AB F20 $\frac{1}{2}$	\$0.19	$\frac{1}{2}$
AB F20 $\frac{5}{8}$	.19	$\frac{5}{8}$
AB F20 $\frac{3}{4}$	.19	$\frac{3}{4}$

Weight per dozen $1\frac{1}{2}$ lbs.



Natural finish . . . cut threads . . . length 3 inches.

HEAVY WROUGHT BRASS

Nos.	Each	For Hose, Inch	Wt. Per Doz., Lbs.
AB 95 $\frac{1}{2}$	\$0.19	$\frac{1}{2}$	$1\frac{1}{2}$
AB 95 $\frac{5}{8}$	.19	$\frac{5}{8}$	$1\frac{1}{2}$
AB 95 $\frac{3}{4}$	.19	$\frac{3}{4}$	$1\frac{3}{4}$



Female

Wrought brass with cut threads. Length 2 inches.

Nos.	Each	For Hose, Inch
AB 95 $\frac{1}{2}$ F	\$0.15	$\frac{1}{2}$
AB 95 $\frac{5}{8}$ F	.15	$\frac{5}{8}$
AB 95 $\frac{3}{4}$ F	.15	$\frac{3}{4}$

Weight per dozen $1\frac{1}{4}$ lbs.
Packing—bulk.

HOSE MENDERS

PERFECT CLINCHING PATTERN



The easy, correct way to mend your garden hose. The wrought brass tube has long grip galvanized iron turned-in fingers that will clinch but not cut the hose. Length 1 $\frac{3}{8}$ inches.

Nos.	Each	For Hose, Inch	Wt. Per Gross, Lbs.
AB 35 $\frac{1}{2}$	\$0.10	$\frac{1}{2}$	12
AB 35 $\frac{5}{8}$	.10	$\frac{5}{8}$	$13\frac{1}{2}$
AB 35 $\frac{3}{4}$	.10	$\frac{3}{4}$	15

One-twelfth gross in a carton.

BRASS HOSE NIPPLES

For Connecting Iron Pipe and Garden Hose



All brass, with hexagon center, $\frac{1}{4}$ -inch iron pipe thread and $\frac{1}{4}$ -inch hose pipe thread. Male type.

AB N $\frac{3}{4}$ —Weight per dozen 1 lb. Each \$0.25

Packing—bulk.

* Goods marked thus (*) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

HOSE CLAMPS

SHERMAN



Best quality clamps, made of heavy wrought brass with natural finish. Fitted with steel round head bolt and nut.

Nos. AB 73 to AB 77 for 3-ply hose.
Nos. AB 78 and AB 79 for 4-ply hose.

Nos.	Each	For Hose, Inches	Wt. Per Doz., Lbs.
AB 73	\$0.05	$\frac{1}{2}$	$\frac{1}{2}$
AB 74	.05	$\frac{5}{8}$	$\frac{1}{2}$
AB 75	.05	$\frac{3}{4}$	$\frac{1}{2}$
AB 76	.19	1	$1\frac{1}{2}$
AB 77	.23	$1\frac{1}{4}$	$1\frac{3}{4}$
AB 78	.25	$1\frac{1}{2}$	$2\frac{1}{4}$
AB 79	.35	2	3

Packing: AB 73, AB 74 and AB 75—twelve dozen in a box;
AB 76—six dozen in a box; AB 77—four dozen in a box;
AB 78—three dozen in a box; AB 79—two dozen in a box.

Galvanized Steel

Rolled from good quality sheet steel and thoroughly galvanized. Fitted with galvanized round head bolt and nut.

Nos.	Each	For Hose, Inch	Wt. Per Gross, Lbs.
AB GS $\frac{1}{2}$	\$0.04	$\frac{1}{2}$	$\frac{1}{2}$
AB GS $\frac{5}{8}$	.04	$\frac{5}{8}$	$\frac{5}{8}$
AB GS $\frac{3}{4}$	.04	$\frac{3}{4}$	$\frac{5}{8}$

Twelve dozen in a carton.

HOSE RACKS



WITHOUT HOSE HUMP SWINGING STYLE

The hump at bottom of rack takes the weight off the end folds of the hose, thereby preventing breaks in the hose when it is run out.

Another safety precaution is the design of the front rack. The end is partially enclosed in order that at least five folds of hose must be drawn off, preventing the hose from falling into a tangled mass.

These racks are attached to wall bracket or pipe clamps, at the bottom and top. No extra charge is made for pipe clamps up to and including 4 inches.

Nos.	Each	Size Hose, Inches	Hgt., In.	Lgth., In.	Wt., Each, Lbs.
Cap. hose: Unlined linen 50 ft.					
# AY AO	\$6.45	$1\frac{1}{4}$ or $1\frac{1}{2}$	11	22	12
# AY AOX	6.45	2	11	22	12
# AY AOO	6.45	$2\frac{1}{2}$	11	22	12
Cap. hose: Unlined linen 100 ft.; mill 25 ft.					
# AY A1	7.95	$1\frac{1}{4}$ or $1\frac{1}{2}$	16	24	15
# AY A1X	7.95	2	16	24	15
# AY A2	7.95	$2\frac{1}{2}$	16	24	15
Cap. hose: Unlined linen 150 ft.; mill 50 ft.					
# AY A3	9.45	$1\frac{1}{4}$ or $1\frac{1}{2}$	23	26	17
# AY A3X	9.45	2	23	26	17
# AY A4	9.45	$2\frac{1}{2}$	23	26	17
Cap. hose: Unlined linen 150 ft.; mill 100 ft.					
# AY A5	9.95	$1\frac{1}{4}$ or $1\frac{1}{2}$	34	32	28

JAPANNED RED

We can supply any of the above sizes finished in Gold or Aluminum Bronze at the same prices; finished in nickel or copper plate at special price.

Note—When ordering racks with pipe clamps, be sure to give size of pipe they are to fit. If not standard size pipe, give outside diameter.

HOSE REELS

Wind your hose neatly and quickly on these convenient reels. They keep the hose from kinking and being stepped on or run over while lying on the ground. Preferred by gardeners, ground keepers and home owners.

QUALITY HOSE REELS

ALL STEEL

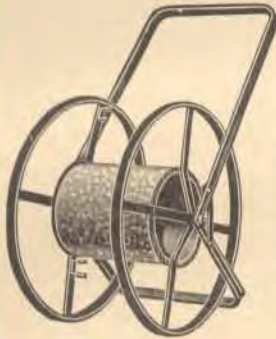


The reeling or unreeling of hose is very easy. The frame when tilted down to the ground forms a stand in which the reel revolves. Will not tip over.

Frame and wheel rims are tubular steel, enameled green with steel spokes and reel heads. Corrugated galvanized sheet steel drum. Nozzle holder is attached to spoke. Height reel 21 inches, length over all 42 inches, width

over all 14½ inches. Holds 150 feet of ¾-inch or 100 feet of ¾-inch hose.
AB 10—Weight each 15 lbs.....Each \$4.98

Two in a bundle.



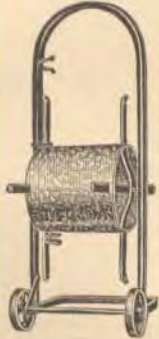
With handle-stand attachment and easy to wheel around! The clamps on the wheel braces hold the ends of the hose, which winds around the drum. The frame is enameled green, with black wheels. The 26-gauge galvanized drum is 10 inches wide and 8 inches in diameter. Height over all 32 inches, width 15 inches.

Holds 125 feet of ¾-inch or 100 feet of ¾-inch hose.

AB 180—Weight each 10 lbs.....Each \$2.39

Shipped knocked down—easily assembled.

ALL METAL—IN TWO COLORS



Strong channel steel frame with flat steel base, finished in green enamel. Cast iron wheels are enameled yellow.

Steel nozzle holder attached to frame. A metal ring locks the reel.

Galvanized steel drum 9 inches in diameter, with flat steel arms. Height over all 34 inches, width 15 inches. Holds 150 feet of ¾-inch or 100 feet of ¾-inch hose.

AB 90S—Weight each 13 lbs.....Each \$1.39

Knocked down, two in a bundle.

REEL-EEZY — TYPE B



With this practical, sturdy, easy-to-use hose reel it is only necessary to insert the socket of hose in the ring and roll the reel along. The reel with the hose on it can be left standing or hung up for storing.

Heavy oval steel rims are 22 inches high. Steel arms are welded to the rims and steel discs. Finished in light green enamel. Width between rims 10 inches.

Holds 100 feet of ¾-inch hose.

Reel is shipped in two identical half sections, which can be fastened together with stove bolts.

AY 190—Weight each 7 lbs.....Each \$1.19

Three in a carton.

‡ Goods marked thus (‡) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

Detachable Reel That Revolves on the Faucet

- Permits sprinkling without soiling hands or clothes.

- Increases life of hose—keeps it free from kinks and twists.

The ideal step-saving reel that you can quickly attach to or detach from the faucet. A special faucet on the reel makes it easy for you to turn the water off and on.

The reel revolves as you pull the hose, without interfering with the steady stream of water.

When sprinkling is finished, hose can be reeled up easily and drained without any handling.



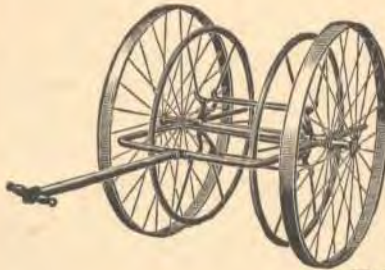
Reel and hose readily portable to another faucet—may be hung up on nail out of the way when not in use. Made of galvanized and malleable iron with corrugated spokes, 20 inches in diameter and 8½ inches wide. Brass nickel-plated ¾-inch faucet.

Holds approximately 125 feet of ¾-inch or 75 feet of ¾-inch hose.

AB 125—Weight each 11 lbs.....Each \$4.95

One in a crate; two wired together.

For industrial use.



The steel wheels have 2-inch tires that will roll more smoothly over rough ground. Reel, frame and tongue are tubular steel, assuring long wear.

Height Extreme of Outside Weight
 Wheels, Width, Each
 Inches Inches Lbs.

Nos.	Each	Inches	Inches	Lbs.
‡ AY 90	\$19.75	34	31	65
‡ AY 100	22.75	36	33	90
‡ AY 110	31.75	38	38	95

Number of Feet of Hose Reels Will Hold

Nos.	AY 90	AY 100	AY 110
¾-inch, 3-ply Rubber	500	600	800
1 -inch, 4-ply Rubber	200	300	400
1½-inch, 4-ply Rubber	150	200	300
1½-inch, 4-ply Rubber	100	150	200
1¼-inch, Cotton Rubber Lined	300	400	500
1½-inch, Cotton Rubber Lined	200	300	400
2 -inch, Cotton Rubber Lined	150	200	250
2½-inch, Cotton Rubber Lined	100	150	200

Packing-bulk.

Be Prepared for Fire with Pyrene Fire Extinguishers

Fully Charged—Ready for Use

PYRENE

Always Dependable and Efficient!

Pyrene fire extinguishers are the most effective type for smothering all classes of fire in its incipient stage, fires in flammable liquids or electrical equipment. The liquid is non-conductive and will not injure electrical equipment.

Operation—The double-acting pump with patented rotating pick-up will discharge a steady continuous stream 25 to 30 feet, no matter in what position the extinguisher is held.

Liquid—Use only Pyrene fire extinguishing liquid, as other liquid may cause corrosion or make use on electrical equipment dangerous. It will not freeze at 50° below zero F. Will not injure delicate fabrics.

Colors—In addition to standard metal finishes listed below, Pyrene fire extinguishers can be supplied in colored Duco finishes to match interior decorative scheme.

Approvals—The 1 quart and 1½ quart Pyrene fire extinguishers are inspected and labeled by the Underwriters' Laboratories, and approved by Associated Factory Mutual, the U. S. Bureau of Navigation and Steamboat Inspection, and Good Housekeeping Institute.



MOTOR CAR TYPE

With special bracket for mounting on an automobile steering post, above or below the instrument board—easy to reach, out of the way, instantly available.

It will quickly extinguish any incipient fire originating in oil, gasoline, wood or upholstery. Non-freezing—throws a steady continuous fire smothering stream from a safe distance.

One Pint—Length over all 11¼ inches; diameter 2½ inches.

AB C11A—Polished Brass.

Std. List, Each \$10.50.....Each \$10.50

AB C14A—Chromium Plated.

Std. List, Each \$12.50.....Each 12.50

Weight each 5 lbs.

WALL TYPE—POLISHED BRASS

Ideal for protecting schools and homes—light enough for women and children to handle easily.

Nos.	Each	Cap.	Lgth. In.	Diam. In.	Wt. Lbs.	Std. List, Each
AB C11	\$12.00	1 Pt.	11¼	2½	5	\$10.00
AB C21	14.00	1 Qt.	14	3	7½	14.00
AB C31	17.00	1½ Qt.	17¼	3½	11	17.00

WITH TRUCK BRACKETS—POLISHED BRASS

The brackets furnished with these extinguishers are heavy gauge steel and have in addition to retaining cup at bottom and spring clips at top an additional metal strap with quick-opening buckle extending around extinguisher.

AR C21C—1 Quart. Weight each 8 lbs.
Std. List, Each \$14.00 Each \$9.75

One in a carton.

HEAVY VEHICLE TYPE—POLISHED BRASS

These extinguishers are more substantially constructed than the regular type so that they can withstand the hard use they will be subjected to in truck service.

One Quart Size

Nos.	Each	Std. List, Each
AR C21T	\$ 9.75	With Wall Bracket \$14.00
AB C21TS	17.00	Steering Post Bracket 15.00

Weight each 9 lbs.

1½ Quart Size

AB C31T—With Wall Bracket. Weight each 13 lbs.
Std. List, Each \$17.00 Each \$17.00

One in a carton.

(SEE NEXT PAGE FOR PYRENE FIRE EXTINGUISHING LIQUID)

PYRENE—PRESSURE TYPE

Easy to Handle—Large Capacity.



This new 2-quart extinguisher meets the definite need of industrial, transportation, petroleum and electric companies for an intermediate size vaporizing liquid extinguisher of the air pressure type.

Construction—Ruggedly constructed of copper and brass, with a seamless inner shell to hold air under pressure and an outer shell containing Pyrene fire extinguishing liquid. All operating parts are on outside and easily accessible. No built-in pump—air pressure being required from an air line producing 100 lbs. pressure.

Operation—Used by opening a valve permitting the compressed air to enter the outer chamber and discharge the liquid. The discharge hose is fitted with a special lever nozzle which in normal position is closed.

Partially opened it produces a fan-shaped spray four to five feet wide for blanketing flammable liquid fires in well-filled containers or tanks. Completely opened it discharges a solid powerful stream 30 feet or more. This nozzle, therefore, controls the stream and provides temporary shut-off.

Maintenance—Requires only periodic checking of the pressure gauge and glass port showing air pressure and liquid supply and keeping the nozzle clean. Refill only with genuine Pyrene liquid.

Approval—By Underwriters' Laboratories for use wherever suitable air pressure is available.

With wall bracket, screws and recharge date tags.

Two Quart Size

Height over all 18 inches, diameter 5 inches.

Nos.	Std. List and Selling, Each
AB C103—Polished copper	\$40.00 \$40.00
AB C104—Chromium Plated Copper	44.00 44.00

Weight each 18 lbs.

Greater Fire Fighting Capacity.

Especially adapted for use by large industrial, public utilities, railroads and oil companies, for protection of buses, motor trucks, oil tank trucks, moving vans, motor boats, filling stations, electric locomotives, and all electrical equipment.

Construction—Constructed entirely of copper and brass, heavy gauge seamless drawn tubing and other high quality parts especially adapted for the purpose. Flexible metal hose, rubber insulated.

The open face pressure gauge at the top indicates the correct air pressure in the chamber at all times. An inspection glass is also provided so that the liquid level may be observed. The normal level is the center of this glass.

Operation—To operate the extinguisher grasp the hose in right hand and with left hand operate valve wheel which completely controls the flow of air and liquid at a quarter turn. The stream ranges from 30 to 40 feet.

Approval—Inspected and labeled by the Underwriters' Laboratories and approved by the Associated Factory Mutual Laboratories.

One Gallon

Height over all 24 inches, diameter tank 6 inches.

Nos.	Each	Std. List, Each
AY C43—Polished Copper	\$55.75	\$70.00
AY C44—Chromium Plated	58.75	74.00

Weight each 37 lbs.
One in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

PYRENE FIRE EXTINGUISHERS

PYRENE—PUMP TYPE

Fully Charged, Ready for Use



This two-gallon extinguisher is designed for use where additional capacity is needed for fighting such fires as electric arcs, gasoline, kerosene, grease, varnish, and the like.

It is especially adaptable for protection of electrical equipment in power houses and sub-stations, on electrical locomotives, electric cranes, and in industrial plants where there are large installations of electrical equipment. It is sturdily constructed and easy to work. Inspected and labeled by the Underwriters' Laboratories, and approved by the Associated Factory Mutuals.

Two gallons—Height over all 24 $\frac{3}{4}$ inches, diameter tank 7 inches.

AB C93—Copper, polished. Weight each 52 lbs. Std. List, Each, \$70.00 Each \$70.00

One in a carton.

FIRE EXTINGUISHING LIQUID



PYRENE

Most effective for smothering all classes of fire, in its incipient stage, fires of inflammable liquids or electrical equipment. It is non-conductive and will not injure electrical equipment or delicate fabrics; will not freeze at 50° below zero. Non-deteriorating.

Nos.	Per Can	Cap. Cans	Wt. Per Can Lbs.	Std. List, Per Can
AB CR1	\$0.65	1 Pt.	2	\$0.75
AY CR2	1.15	1 Qt.	3 $\frac{1}{4}$	1.50
AB CR3	1.95	1 $\frac{1}{2}$ Qts.	6	2.25
AY CR10	2.30	2 Qts.	6 $\frac{1}{4}$	3.00
AY CR4	4.35	1 Gal.	14 $\frac{1}{2}$	5.40

FIRE EXTINGUISHERS

HYDROGARDE

Does Not Require Chemicals nor Annual Recharging.



The Hydrogarde fire extinguisher discharges a stream of plain water—without pumping and without using chemicals—by means of pressure from a carbon dioxide gas cartridge.

Adaptation—It is recommended for fires in ordinary combustibles such as wood, paper, textiles and rubbish but, like any water or wet chemical type extinguishers, should not be used on live electrical or flammable liquid fires. Filled with distilled water, it may be used on telephone switchboard fires.

Construction—Ruggedly constructed of finest quality cold rolled copper. It is tested to withstand a pressure of 350 lbs. The ring cap and cartridge assembly is of special built-in design, fully enclosed to exclude moisture. The lead-coated steel cartridge is firmly threaded onto the ring cap which has a plunger for puncturing the cartridge sealing disc. A screened metering device in the cartridge and a hemispherical screen at the discharge elbow safeguard against clogging. A safety valve protected by a conical screen in the ring cap is an important safety feature in relieving excessive pressure caused by over-filling with water.

Operation—The extinguisher is operated by turning upside down and striking the plunger in the ring cap on the floor. This punctures the sealing disc and releases carbon dioxide gas under pressure to expel the clear water in a steady 40 to 60 foot stream.

Cartridge—Cartridges are non-deteriorating, sealed against leakage and good until used. Used cartridges may be recharged.

Maintenance—Periodic recharging is not required although annual weighing of the cartridge and inspection of the extinguisher is recommended. The extinguisher must be protected against freezing.

Approval—Inspected and labeled by Underwriters' Laboratories and approved for purchase by U. S. Government Departments.

2 $\frac{1}{2}$ Gallon—Copper, Polished
Height over all 24 inches, diameter 7 inches.

AY H13—Weight each 21 lbs.
Std. List Each \$22.50 Each \$17.95

One in a carton, with cartridge, wall hanger and inspection date tag.

CARTRIDGES—FOR HYDROGARDE

Contain carbon dioxide gas, sealed against leakage. Will not deteriorate and good until used.

AB WC1—Weight each 2 $\frac{1}{4}$ lbs. Each \$5.25

Six in a carton.

PHOMENE—FOAM TYPE



Adaptation—Blankets fire—particularly fires in oil, gasoline, naphtha, tar, wax, grease, shellac, and flammable solvents. Wherever quantities of materials of an oily or highly flammable character are used or stored, the Phomene is the only suitable type of extinguisher to install. Specified by ordinances for protection of oil burner heating systems.

Operation—Although similar in size and appearance to the Soda and Acid Extinguisher, the character of the stream and its method of fire attack are entirely different. While the 2 $\frac{1}{2}$ gallon Soda and Acid discharges only 2 $\frac{1}{2}$ gallons of solution, the 2 $\frac{1}{2}$ gallon Phomene releases 22 gallons of tough fire-killing foam.

The foam spreads over the burning surface—liquid or solid—cuts off the supply of oxygen, and foams a tough, air-tight and fireproof blanket. Once extinguished, the fire cannot reignite because the foam blanket is still there—a very important feature in the extinguishment of highly flammable liquid fires.

Construction—The foam type extinguisher differs from the Soda and Acid type only in that it has a removable inner container of seamless drawn copper, coated with a corrosion-resisting lead alloy. Complete charging directions and instructions for use on name plate of each extinguisher.

Approval—The 2 $\frac{1}{2}$ gallon Phomene Extinguisher, industrial type, is inspected and labeled by the Underwriters' Laboratories, and approved by the Factory Mutual Laboratories, U. S. Bureau of Navigation and Steamboat Inspection, and the Factory Insurance Association.

2 $\frac{1}{2}$ Gallons—Copper, Polished

Height over all 24 inches, diameter tank 7 inches.

AY P13—Weight each 26 $\frac{1}{2}$ lbs.
Std. List, Each \$21.50 Each \$17.25

One in a carton.

RECHARGES FOR PHOMENE EXTINGUISHERS

Scientifically compounded of highest grade chemicals and when mixed with the water in extinguisher and sprayed over the fire, spreads a blanket over the burning surface—cuts off the supply of oxygen and forms a tough, air-tight and fireproof blanket. Particularly adapted to fires in oil, gasoline, naphtha, tar, wax, grease, shellac and inflammable solvents.

Nos.	Each	Recharge, Gallons	Weight Each, Lbs.	Std. List, Each
AB PR1	\$ 1.39	2 $\frac{1}{2}$	5	\$ 1.60
AB PR3	5.29	10	24	6.00
AB PR6	10.19	40	68	11.75

Packing—bulk.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

FIRE EXTINGUISHERS

NON-FREEZING FIVE-GALLON PUMP TYPE

The pump type is an approved unit for the protection of heated and unheated property where the hazards are of free-burning materials—wood, rubbish, paper, etc. Can be made non-freezing to 40° F. below zero for unheated risks, by using nonfreeze charge.

It is the correct type of extinguisher for farm property, lumber camps and yards, docks, ships, bridges, coal yards, summer homes, cottages, unheated warehouses, etc. Ideal for extinguishing incipient fires in brush or forest.

Construction—Equipped with a mechanically perfected, double-acting, non-syphoning pump. Substantially constructed throughout with a heavy seamless-drawn brass cylinder.

Operation—Its brass piston operates with ball-bearing smoothness. Throws a forceful stream 45 feet.

Approval—Inspected and labeled by the Underwriters' Laboratories, and are approved by the U. S. Bureau of Navigation and Steamboat Inspection and Associated Factory Mutual Laboratories.



DURAGARDE

The tank is built of durable, finest quality sheet copper. Tinned on the inside—a further precaution against corrosion. The exterior is brightly polished. An attractive nameplate in three colors enhances its business-like appearance.

Polished Copper

Height over all 26½ inches, diameter tank 9½ inches, hose 24 inches long.

AY T13—Weight each 18 lbs. Each \$23.75

ACCURATE

The tank is heavy galvanized iron. The interior is coated with a corrosion-resisting composition, while the outside is painted red.

Provided with an attractive nameplate finished in three colors.

Galvanized Iron, Painted Red

Height over all 26½ inches, diameter of tank 9½ inches, hose 24 inches long.

AY T15—Weight each 16 lbs. Each \$17.75

One in a carton.

FIRE EXTINGUISHER RECHARGES

NON-FREEZE

To prevent freezing at 10° F. above zero use two cans; at 10° F. below zero, three cans; and at 40° F. below zero, four cans.

AB TR1—Four 5-lb. cans.

Per Full Charge (four 5-lb. cans).....\$2.60

Std. List Per Full Charge..... 3.00

AB TR2—Four 2½-lb. cans.

Per Full Charge (four 2½-lb. cans)..... 1.29

Std. List Per Full Charge..... 1.50

Packing—bulk.

WINTERGARDE — ANTI-FREEZE

GAS CARTRIDGE TYPE



This fire extinguisher discharges a stream of anti-freeze fire fighting solution—without pumping—by means of pressure from a carbon dioxide gas cartridge. It need not be recharged yearly.

Adaptation—It is recommended for fires in ordinary combustibles such as wood, papers, textiles and rubbish, but like any water or wet chemical type extinguisher, should not be used on live electrical or flammable liquid fires. It may be used for protection of unheated warehouses, docks, bridges and other locations subject to freezing temperatures.

Construction—Ruggedly constructed of finest quality cold rolled copper, it is tested to withstand a pressure of 350 pounds. The ring cap and cartridge assembly is of special built-in design, fully enclosed to exclude moisture.

The lead-coated steel cartridge is firmly threaded onto the ring cap which has a plunger for puncturing the cartridge sealing disc. A screened metering device in the cartridge and a hemispherical screen at the discharge elbow safeguard against clogging. A safety valve protected by a conical screen in the ring cap is an important safety feature in relieving excessive pressure caused by overfilling with solution.

Operation—The extinguisher is operated by turning upside down and striking the plunger in the ring cap on the floor. This punctures the sealing disc and releases carbon dioxide gas under pressure to expel the solution in a steady 40 to 50 foot stream.

Cartridge and Charge—Cartridges are non-deteriorating, sealed against leakage and good until used. Used cartridge may be recharged. Solution is made anti-freezing to 40° below zero F. by simply dissolving freeze-proof crystals in water.

Maintenance—Periodic recharging is not required although annual weighing of the cartridge and inspection of the extinguisher is recommended. See instructions on extinguisher. After use, the extinguisher should be cleaned and refilled with solution and a new cartridge inserted.

Approval—Inspected and labeled by Underwriters' Laboratories, also complies with U. S. Government Procurement Division Specifications No. 212.

2½ Gallon—Copper, Polished

Height over all 24 inches, diameter 7 inches.

AY W13—Weight each 21 lbs.

Std. List Each \$26.50 Each \$21.25

One in a carton, complete with charge, cartridge, wall hanger and inspection date tag.

ANTI-FREEZE CHARGE AND CARTRIDGE

For Wintergarde 2½ Gallon Fire Extinguishers.

AB WR1—Weight each 13 lbs. Each \$7.25

One in a carton.

There is a Difference in Kitchenware. *Polly Prim*
Kitchenware is Unusually Good—But Modest in Price

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

FIRE EXTINGUISHERS

FASTFOME—FOAM TYPE



This foam type extinguisher smothers fire—particularly fires in oil, gasoline, naphtha, tar, wax, grease, shellac and flammable solvents. Wherever quantities of materials of any oily or highly flammable character are used or stored, the Fastfome is the most suitable type of extinguisher to install.

This extinguisher releases 22 gallons of tough, fire-killing foam that spreads over the burning surface—liquid or solid—cuts off the supply of oxygen and forms a tough, airtight and fireproof blanket.

Once extinguished, the fire cannot re-ignite because the foam blanket is still there—a very important feature in the extinguishment of highly-flammable liquid fires.

Construction—The outer shell, dome and bottom of the 2½-gallon Fastfome is the same as the 2½-gallon Essanay. It has a removable inner container of seamless-drawn copper tubing, entirely coated with a corrosion-resisting lead alloy.

Approval—Inspected and labeled by the Underwriters' Laboratories, approved by the Factory Mutual Laboratories.

2½ Gallons—Copper, Polished

Height over all 24 inches, diameter tank 7 inches.

AY PX13—Weight each 24½ lbs.

Std. List, Each \$19.50 Each \$15.75

One in a carton.

FIRE EXTINGUISHER RECHARGES

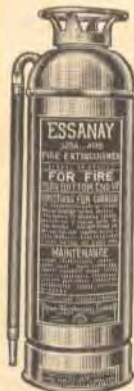
FOAM TYPE—FOR FASTFOME EXTINGUISHERS

AB PXR1—Weight each 5 lbs.....Each \$0.98

Std. ListEach 1.15

Packing—bulk.

ESSANAY—SODA AND ACID TYPE



This 2½-gallon extinguisher will extinguish incipient fires in free-burning materials—such as wood, rubbish and textiles—where the cooling and quenching effect of a stream of water is of first importance. This extinguisher ejects a stream 40 feet in any direction.

Construction—The three container units shell, dome and bottom—are made of the finest quality cold-rolled copper. All seams are thoroughly sweated and heavily backed with solder. The side seam is riveted in addition to soldering.

As a further safeguard against corrosion, the interior is completely coated with a lead-alloy. Each extinguisher is tested at the factory to withstand a pressure of 350 pounds.

Operation—Tip up-side-down. To stop the flow, it is turned right-side-up. Must be recharged immediately after use. Should be protected against frost.

Approval—Inspected and labeled by Underwriters' Laboratories, and approved by the Factory Mutual Laboratories.

Inspection and recharging requirements—Insurance authorities require annual inspection and recharging of acid and soda extinguishers and protection against frost.

2½ Gallons—Copper, Nickel Plated

Height over all 24 inches, diameter tank 7 inches.

AY SX13—Weight each 19 lbs.

Std. List, Each \$16.50 Each \$13.20

One in a carton.

FIRE EXTINGUISHER RECHARGES

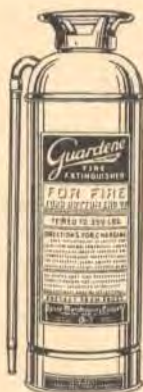
SODA AND ACID—FOR ESSANAY EXTINGUISHERS

AB SXR1—Weight each 3 lbs.....Each \$0.35

Std. ListEach .40

Packing—bulk.

GUARDENE SODA AND ACID (CHEMICAL) TYPE



This extinguisher will extinguish incipient fires in free-burning materials—such as wood, rubbish and textiles—where the cooling and quenching effect of water is of first importance. Ejects a stream 40 feet in any direction.

Construction—The three container units—shell, dome and bottom—are made of finest quality cold-rolled copper. All seams are thoroughly sweated and heavily backed with solder. The side seam is riveted in addition to soldering.

As a further safeguard against corrosion, the interior is completely coated with a lead-alloy. Each extinguisher is tested to withstand a pressure of 350 pounds, complying with Underwriters' Laboratories' requirements.

Fire Department Type is made of copper alloy—drawn seamless shell—and is equipped with shut-off nozzle, pressure relief valve, non-slop stopple, longer length of hose and carrying strap.

Operation—To operate, tip the Guardene upside down. To stop the flow turn it right side up. It must be recharged immediately after use, and should be protected against frost.

Approval—Inspected and labeled by the Underwriters' Laboratories, and approved by the Associated Factory Mutuals and the U. S. Bureau of Navigation and Steamboat Inspection.

Requirements—Insurance authorities require annual inspection and recharging of Soda and Acid Extinguishers. Guardene charges contain the highest grade sulphuric acid and soda bicarbonate packed in air-tight containers, acid bottles sealed with safety closure.

2½ Gallons—Copper, Polished

Height over all 24 inches, diameter tank 7 inches.

AY S13—Weight each 21 lbs.

Std. List Each \$18.50 Each \$14.80

One in a carton.

FIRE EXTINGUISHER RECHARGES

SODA AND ACID—FOR GUARDENE EXTINGUISHERS



Highest grade sulphuric acid and soda bicarbonate packed in air-tight containers, acid bottles sealed with safety closure. Will extinguish incipient fires in free-burning materials, such as wood, rubbish and textiles, where the cooling and quenching effect of water is of first importance.

Nos.	Recharge, Weight,			Standard List, Each
	Each	Gallons	Each, Lbs.	
AB SR1	\$0.49	2½	5	\$0.55
AB SR2	3.00	20	23½	3.50
AB SR3	4.35	40	40	5.00

Packing—bulk.

KEEN KUTTER
STANDARD
OF
AMERICA

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

LANTERNS

DIETZ TUBULAR—FOR KEROSENE

Burns brighter, steadier, longer! Built storm-proof to give thoroughly reliable service. Scientific balanced-draft combustion makes it a world leader.

Made of heavy cold rolled steel, all joints securely soldered. "Grade A" charcoal pure bright tin finish. Reinforced, double seamed, round, beaded tubes. All edges are hemmed to prevent sharp edges anywhere. Heavy terne plate bottoms resist corrosion. Solderless founts.

Can be filled, lighted and regulated without removing globe. Famous Loconob globe cannot fall out when swung back for servicing.

Heavy 10-gauge steel wire improved pivot bail—"thru-tube" method of attaching prevents pulling out. When raised, will stand erect unaided if desired. Safety inside globe lift lever, braced to fount. Extra large filler cap and collar.

COLD BLAST

So constructed that only fresh, cold air enters the tubes, while spent air is expelled. Produce about double the light of hot blast lanterns.



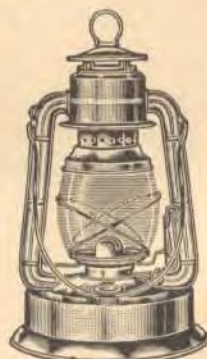
No. 2 BLIZZARD Streamlined

Burns 45 hours with one filling.
Capacity One Quart of Oil

Volume of light, by test, 10 candle-power.

Equipped with AB 262 tinned steel winglock burner with 1-inch wick, AB 0 globe. Diameter of base 6½ inches, height with bail down 14¾ inches.

AB 2BT—Weight per dozen
30 lbs.....Each \$1.69



LITTLE GIANT

Fine for public utilities, municipalities, work projects, contractors. Will burn for three days (70 hours). Will stay lighted continuously over weekend.

Capacity One Quart of Oil

Volume of light, by test, 6 candle-power.

Equipped with AB 201 tinned steel winglock burner with ¾ inch wick. Diameter of base 7¾ inches, height with bail down 12 inches.

AB 1LG—With AY 1NS Clear Glass Globe.
Weight per dozen 31 lbs.....Each \$1.45

AB 1LGR—With AB LWLGR Ruby Globe.
Weight per dozen 31 lbs.....Each 1.59



D-LITE Streamlined

The king of its kind! Low frame reduces size and weight. Broad base prevents overturning. Burns 45 hours.

Capacity One Quart of Oil

Volume of light, by test, 10 candle-power.

Equipped with AB 262 tinned steel winglock burner with 1-inch wick, AB 2NS short Loconob globe. Wide openings for easy cleaning. Diameter of base 6½ inches. Height with bail down 13¾ inches.

AB 20DT—Weight per dozen 36 lbs.....Each \$1.69



LITTLE WIZARD Streamlined

Fine little short globe lantern with BIG light and low rate oil consumption. Burns 30 hours with one filling.

Capacity One Pint of Oil

Volume of light, by test, 6 candle power. Equipped with AB 201 tinned steel winglock burner with ¾-inch wick. Diameter of base 5¾ inches. Height with bail down 11½ inches.

AB 1LW—With AY 1NS Clear Glass Globe...Each \$1.19

AB 1LWR—With AB LWLGR Ruby Globe...Each 1.19

Weight per dozen 24 lbs.

HOT BLAST

Construction permits a portion of spent air to recirculate through the tubes.



WAGON DIETZ—JUNIOR Cold Blast

Popular hand lantern adapted to use on vehicles. Useful as parking light or emergency tail light. Has combination left-hand dashboard attachment. Normally used as side light, fitted with side spring holder, but retains ball for hand use. Bright corrugated reflector and bull's-eye lens project bright light ahead; a 3-inch ruby lens warns to the rear. Holds ¾ pint, sufficient oil to burn 15 hours. Reflected light, by test, 10 candle-power.

Heavy Tin, Black Enameled,

with flat bracket. Equipped with AB 211 tinned steel winglock cone burner with ¾-inch wick. No. 1 Dietz Junior globe. Diameter of base 5¾ inches. Height with bail down 12 inches. For right-hand or left-hand mounting.

AB 1JW—Weight per dozen 42 lbs.....Each \$2.19

One-half dozen in a fibre box.



MONARCH Streamlined

Supplies the maximum of light obtainable from a lantern of its type. Burns 30 hours.

Capacity One Pint of Oil

Volume of light, by test, 4 candle-power.

Has positive locking globe lift. No. 411 tinned steel winglock cone burner with ¾-inch wick. Diameter of base 5¾ inches, height with bail down 13½ inches.

AB 0M—With AB 0 Clear Glass Globe.....Each \$1.15

AB 0MR—With AB 0R Ruby Globe.....Each 1.35

Weight per dozen 28 lbs.
One dozen in a fibre box.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

LANTERNS

PAULL'S TUBULAR FOR KEROSENE

Designed and built to last and shine in all weather. Wind-proof and waterproof, convenient to use. Can be filled, lighted and regulated without removing globe.

Sturdily built of heavy, smooth, bright tin. Large round

COLD BLAST

So constructed that only cold, fresh air enters tubes, while used hot air is expelled. Produces about double the amount of light obtained in hot blast lanterns.

To remove globe, draw up wire ring on top of metal canopy. Globe will swing back and can be easily removed.



LEADER

Capacity One Quart of Oil

Burns 45 hours. Volume of light, by test, 10 candle power.

Has No. 2 tinned steel lock burner with brass wick tube and 1-inch wick, tinned steel burner cone. Tinned steel wire globe guard, crimped to perforated globe plate.

Diameter of base 7 $\frac{1}{2}$ inches, height with ball down 14 $\frac{1}{4}$ inches. No. 0 cold blast globe.

AB 180—Weight per dozen
37 lbs. Each \$1.39

EZY-LIT

Capacity One Quart of Oil

Burns 45 hours. Volume of light, by test, 10 candle power.

Has No. 2 tinned steel lock burner with brass wick tube and 1-inch wick. Tinned steel cone. Tinned steel wire globe guard crimped to perforated globe plate.

Diameter at base 7 $\frac{1}{2}$ inches, height with ball down 14 $\frac{1}{4}$ inches. No. AB 2NS short globe.

AY 210—Weight per dozen
37 lbs. Each \$1.29



JUNIOR

Capacity One Pint of Oil

Burns 30 hours. Volume of light, by test, 10 candle power.

Has No. 0 tinned steel lock burner, with brass wick tube, $\frac{5}{8}$ -inch thick. Tinned steel cone. Tinned steel wire globe guard crimped to perforated globe plate.

Diameter at base 7 inches, height with ball down 11 $\frac{1}{2}$ inches. No. 0 Ezy-Lit cold blast globe.

AB 230—Weight per dozen
37 lbs. Each \$1.00



One-half dozen in a fibre box.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

tubes. Handy inside crank lift. All joints securely soldered, all edges hemmed. No sharp edges anywhere. Heavy steel wire bail with metal projections to hold it upright. Large, wide front with double seamed bottom. Large filler cap and collar.

HOT BLAST

Construction permits a portion of spent air to recirculate through the tubes.

LEADER

Capacity One Pint of Oil

Burns 30 hours. Volume of light, by test, 4 candle power.

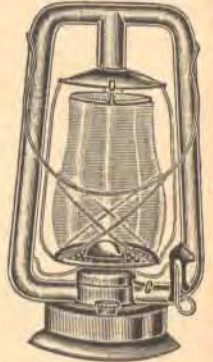
Produces maximum light obtainable from this type lantern. New inside crank lift raises globe and swings it away from the operator, leaving wick exposed and oil-filler clear for filling.

Has No. 0 tinned steel lock burner, with brass tube and $\frac{5}{8}$ -inch wick. Diameter of base 5 $\frac{1}{2}$ inches. Height with ball down 14 $\frac{1}{4}$ inches.

AB 140—With Clear Glass Globe..... Each \$0.98

AB 140R—With Red Firestained Globe..... Each 1.09

Weight per dozen 26 lbs.
One-half dozen in a fibre box.



CONTRACTORS' LANTERNS

For Kerosene

DIETZ 8-DAY RAILROAD TYPE

Municipalities and public utilities prefer this lantern because it burns 200 hours (8 full days) without attention, in all kinds of weather. Produces a slow, steady flame and consumes oil very slowly. Square shaped base 6 $\frac{1}{2}$ x6 $\frac{1}{2}$ inches, and low center of gravity prevent tipping over.

Red Enamel Finish

Holds 42 ounces of kerosene. Volume of light, by test, 1 candle-power. Made of heavy gauge metal. All joints securely soldered, all edges hemmed, no sharp edges anywhere.

Brass burner with $\frac{5}{8}$ inch wick. Slip collar and wind guard. Heavy flat steel and wire guards, electrically welded. Heavy tinned wire bail can be folded down without touching ground. Extra heavy steel bail ears hold bail rigidly upright, if desired. Complete with Little Wizard globe. Outside filler. Height with ball down 9 $\frac{1}{2}$ inches.



AB D8—Clear Glass Globe..... Each \$1.49

AB D8R—Ruby Glass Globe..... Each 1.79

Weight per dozen 38 lbs.
One dozen in a carton.

LANTERN GLOBES

DIETZ

- Patented Locnob prevents globe from slipping out of wires and breaking when tilted back to expose burner for lighting or servicing.
- Dietz globes are all "firsts," carefully selected and inspected for quality of glass, shape, heat-resisting qualities, finish and fit. No "seconds," no "pot luck."

Made in crystal clear glass for general use, and in genuine pot ruby. Solid color that will not streak or fade, but

insures a clear, unmistakable color signal on highways, on construction work, and at emergency danger points.



FITZALL

For all Dietz high globe hand lanterns—A No. 1, Acme Inspectors, Beacon Wall Nos. 15, 25 and 30 Blizzard No. 2, Blizzard No. 2 large fount, Buckeye Dash, Crescent, O.K., Protector, Track Walker, Royal, Underwriters' Victor and Fire, Mill and Wall Lanterns. Also Nos. 2BS, AB 2BT, AB OM and OHL.

Height 6 $\frac{1}{8}$ inches, diameter at top 2 $\frac{1}{2}$ inches, diameter at bottom 3 $\frac{1}{8}$ inches.

	Nos.	Each
Plain Clear Glass	{ AY 01	\$0.15
	{ AB 03	.15
Genuine Ruby Glass	{ AY 0R1	.35
	{ AB RS01	.25
Fire Stained Ruby Glass	{ AB RS03	.25

One dozen in a carton, three dozen in a case.
Weight per dozen 11 lbs. Weight per case 33 lbs.



DIETZ JUNIOR

For Dietz Jr., Pet and Gem Lanterns (Not Locnob)

Height 5 $\frac{1}{2}$ inches, diameter at top 2 $\frac{1}{2}$ inches, diameter at bottom 2 $\frac{1}{2}$ inches.

AY 1/1—Weight per dozen
9 lbs. Each \$0.15

Weight per case 50 lbs.
One dozen in a carton.



D-LITE

For No. 2 D-Lite lanterns. Will also fit Nos. AB 20DT and 22 Lanterns.

Height 4 $\frac{1}{2}$ inches, diameter at top 4 $\frac{1}{8}$ inches, diameter at bottom 3 $\frac{1}{8}$ inches.

Plain Clear Glass

AY 2NS1—One dozen in a carton.

Weight per doz. 10 lbs. Each \$0.15

AB 2NS3—Three dozen in a case. Weight per case 29 lbs. Each .15

Ruby Stained Glass

AB RS2—Weight per dozen 10 lbs. Each .25

One dozen in a carton.



LITTLE WIZARD

For Little Wizard lanterns. Fits Nos. AB 1LW and AB 1LG lanterns.

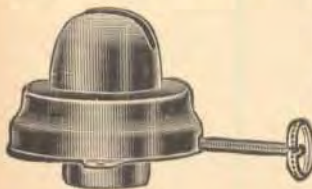
Height 3 $\frac{1}{2}$ inches, diameter at top 3 $\frac{1}{4}$ inches, diameter at bottom 2 $\frac{1}{2}$ inches.

	Nos.	Each
Plain Clear Glass	{ AY 1NS1	\$0.15
	{ AB 1NS3	.15
Ruby Stained Glass	{ AB RSW1	.25
	{ AB LWLGR1	.35
Genuine Ruby Glass	{ AB LWLGR3	.35

One dozen in a carton. Three dozen in a case.
Weight per dozen 7 lbs. Weight per case 22 lbs.

DIETZ LANTERN BURNERS

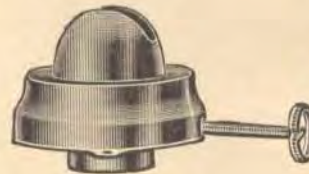
For best service use only Dietz burners on Dietz lanterns. They're made for long service of heavy tinned steel with taper collar, wing-lock cone and brass wick tube.



Will fit:

No. 2 Crescent, No. 2 Blizzard, Special No. 2 Blizzard, No. 2 D-Lite, Special No. 2 D-Lite, No. 25 Wall and No. 30 Beacon Wall Lanterns.

AB 262—For 1 inch wick Each \$0.19



Will fit:

Junior, Junior Wagon, Little Wizard Roadster Wagon and Ideal Inspectors Lanterns.

For $\frac{5}{8}$ Inch Wick
AB 201—Weight per dozen 1 lb. Each \$0.15

One dozen in a carton.

Heat Your Home with a SIMMONS Circulating Oil Heater
—Clean, Easy to Tend, Economical to Operate

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

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TRUCK FLARES

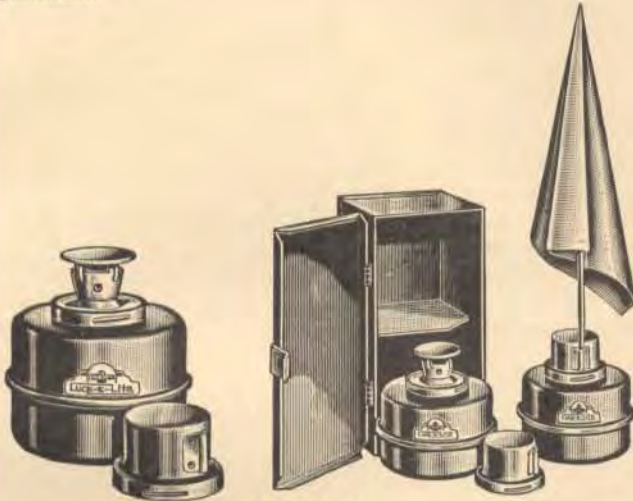
LUCK-E-LITE

Ruggedly built to give the maximum service with greatest convenience at lowest cost and operating expense. They stay lighted through heavy wind and rain storms. Will give a big light all through the night if necessary. Leakproof, easy to light and to handle.

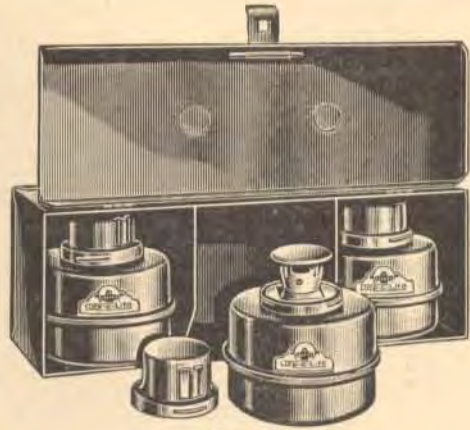
These flares have passed the most rigid state requirements. Long distance visibility gives traffic ample warning against danger. Bright enough, too, for working around the truck.

Construction—Heavy two-piece 20 gauge steel body, double seamed at joint. Gray enamel body, red enamel cap. Patented burner construction, lights instantly, conserves wick and fuel and completely protects flame against rain. Held in place by square bayonet type joint with gasket to prevent oil seepage.

Heavy steel burner cap or snuffer fastens to container by bayonet joint fitted with leakproof gasket. Round wick size 5/8x9 inches. Spiral head in wick tube makes wick easy to insert, yet holds it so firmly that jolting will not alter adjustment.



No. AB 275
(Flag Not Included)



No. AB 375

INDIVIDUAL FLARES

Sturdy, flat bottom shape, easy to set in place. Body is 5 3/8 inches in diameter, 3 3/8 inches high. Height over all about 5 3/8 inches.

Capacity 42 fluid ounces.

AB 75—Weight per dozen
22 lbs.Each \$1.00

One dozen in a case.

TRUCK FLARE WICKS

High grade solid braided cotton, 5/8x9 inches. Even feeding gives steady flame.

AB 79—Weight per dozen
1 lb.Each \$0.10

Packing—bulk.

TRUCK FLARE FLAGS

Red cloth flag 12x12 inches with hemmed edges mounted on two-piece tinned steel staff 22 inches long (assembled). Staff fits into socket on cap of flares. Designed especially for use with Luck-E-Lite truck flares.

AB 1212—Weight per dozen
2 lbs.Each \$0.25

Packing—bulk.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

TRUCK FLARE SETS

Complete kit comprises two or three flares, each in an individual compartment of heavy 20-gauge steel case, as shown in the illustration. Case sturdily constructed to stand rough handling—black enameled finish. Hinged cover and heavy steel hasp that can be padlocked. Flag not included.

Flares fit case equally well in all positions, permitting convenient attachment of the case to the vehicle in any desired position or location. Means are provided for bolting to truck as required by law. Flares are fully enclosed and protected when not in use.

Nos.	AB 275	AB 375
Flares in a Set	2	3
Size Flare Box, Inches	11 5/8 x 6 x 6	17 1/2 x 6 x 6
Weight per Set, Lbs.	9	13
Per Set	\$3.50	4.50

One set in a carton.

HIGHWAY FLARE TORCHES

DIETZ—WEIGHTED

For kerosene or light fuel oil. Holds 3 quarts. Burns more than 36 hours.

Meets all requirements of contractors to use in place of or in conjunction with ruby globe lanterns. Heavy steel construction to withstand rough use. Halves are metallicly seamed together under heavy pressure, rolled tight, and cemented leak-proof. Spherical shape and weighted bottom serve to right torch if skidded or tipped by passing vehicles. Heavy steel "all weather" burner combines in itself rain shield, 1/8 inch wire carrying loop, automatic wick lock, and wrench. 3/8 inch round wick. Black enameled tank, dull nickel finish burner, loop and shield. Diameter 7 3/8 inches, height to top of burner 7 1/2 inches.

AB 96—Weight per dozen 84 lbs.Each \$1.69

One-quarter dozen in a carton.



FLARE TORCH WICKS

For Dietz road flares No. AB 96 and others requiring wicks of this size. Size 3/8x18 inches.

AB 96W—Weight per dozen 1/4 lb.Each \$0.15

One dozen in a package.

Miners' and Drivers' Carbide Lamps

Absolutely safe and always ready for use.

Add water to carbide and the resulting acetylene gas when ignited throws a pure white flame, next to sunlight in brilliancy. This type flame is used by the U. S. Government in light houses. This light is economical, easy to operate, does not smoke, is free from grease and dirt. Spark lighter attached—no matches needed to start light. Costs less than one cent per hour to burn lamp.

JUSTRITE

For Metal Miners
With Protecto Grip



Patented Protecto Grip which makes it easy to remove bottom, and protects shoulder on bottom when removing used carbide. Polished brass carbide and upper tanks. Carbide tanks double seamed, soldered bottom and threaded breast. Seamless upper tank or water container threaded to fit carbide tank. Hinged friction cover. Lever feed regulating device on top of tank.

Nickel-plated brass reflector with lighter attachment. New style lava tip is fitted with metal flame protector. Heavy gauge brass wire hanging hook and flat brass braces riveted on.

Diameter carbide tank 2 inches. Length from front of reflector to hanging hook 3 3/4 inches. Height over all 4 3/4 inches.

Candle power 16 1/2. Will burn 2 1/2 hours.

4-Inch Reflector

AB 747—Weight per dozen 5 lbs. Each \$1.15

One in a carton.

MINERS' LAMP BOTTOMS

For All Justrite Miners' Cap Lamps

AB 935—Nickel-plated brass Each \$0.25

AB 965—Polished brass Each .23


Weight per dozen 1 1/4 lbs.

One dozen in a carton.

EXTRA PARTS FOR MINERS' AND DRIVERS' LAMPS

BURNER TIPS

Jewel

 For Auto-Lite lamps. Brass shell, with an imported lava burner inset. Will not break or crack, easy to insert or take out.

AB 28—Weight per dozen 4 ounces..... Each \$0.03

Packing—bulk.

LARGE FELT WASHERS

Diameter 1 1/2 inches, thickness 1/8 inch.

AB LF—Weight per dozen 2 ounces..... Each \$0.02

Packing—bulk.

EXTRA SPARK PLUGS


For Lighter Attachment

AB 172—Weight per dozen 1/2 ounce..... Each \$0.02

One in an envelope.

One dozen envelopes in a carton.

LIGHTER COMPLETE

 AB 25—Weight per dozen
3 ounces Each \$0.10

Packing—bulk.

RUBBER GASKETS

AB 377—Weight per dozen..... 3 for 5c

Packing—bulk.

AUTOLITE

With Bumper Grip

Makes a brilliant acetylene light 14 candle power. Burns 3 1/2 hours with one charge of carbide.

Bumpergrip feature prevents breaking or denting bottom when striking to break up sludge. Provides a cool, firm grip when bottom is hot and an excellent gripping device for removing bottom.



Heavy polished brass throughout. Seamless carbide tank with threaded breast, seamed and soldered. Heavy rubber washer. Seamless upper tank or water container threaded to fit carbide tank. Hinged friction cover. Lever water regulating device. Hanging hook 11-gauge brass wire. Brass wire braces. Highly polished silvered brass reflector.

Complete with lava tip and spark lighter. Height over all 3 3/4 inches.

2 1/2-Inch Reflector

AB 106—Weight per dozen 5 lbs. Each \$1.09



For a more brilliant light choose this lamp with extra large reflector, height over all 7 inches.

7-Inch Reflector

AB 390—Weight per dozen 17 1/2 lbs.

Each \$1.98

One in a carton, one dozen in a case.

MINERS' LAMP BOTTOMS

For All Autolite Miners' Lamps

AB 120—Polished brass. Weight per dozen
2 lbs. Each \$0.25

One dozen in a carton.

MINERS' PIT LAMPS

GUY'S DROPPER



The special water regulating device assures accurate drip of water into carbide tank and assures a steady flame. Carbide capacity 1 1/4 ounces, sufficient to burn 3 hours.

Durably constructed of polished brass throughout. Seamless carbide tank with threaded top and heavy washer. Upper tank (water container) threaded to fit carbide tank. Hinged friction cap. Heavy brass wire hanging hook.

Removable nickel-plated brass reflector. Reflector held in place by wing nut. Complete with lava tip and spark lighter. Length from back of hook to reflector 3 3/4 inches. Height 3 3/4 inches.

2 1/2-Inch Reflector

AB 285—Weight per dozen 6 lbs. Each \$1.09

One-twelfth dozen in a cardboard box.

MINERS' LAMP BOTTOMS

For All Guy's Dropper Miners' Car Lamps

AB 129—Polished brass. Weight per dozen
2 lbs. Each \$0.25

One dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

MINERS' CAPS



Adjustable to any headsize from 6½ to 7½.

Durable, warm and comfortable. Made of heavy weight, special shrunk brown duck, flannel lined. Heavy visor, canvas covered. Patented lamp holder of XX tin interlined with vulcanized fibre, attached

with "safety" lamp hook holder. Fitted with adjustable brown web strap and buckle.

AB AJ9—Weight per dozen 2 lbs.....Each \$0.29

One dozen in a carton.

SAFETY



Brown or white cloth, single canvas visor. Improved fibre and metal lamp holder, riveted.

Sizes: 6¾, 6¾, 7, 7¼, 7½, 7¾, 7½

AB 9M—Weight per dozen 3¼ lbs.Each \$0.29



Brown or white cloth, single visor. Fibre and metal lamp holder, riveted.

Sizes: 6¾, 6¾, 7, 7¼, 7½, 7¾, 7½

AB 1M—Weight per dozen 2¾ lbs.Each \$0.25

One dozen of a size in a carton.

BRUSH CLEANERS

JUSTRITE



Keeps miners' lamps clean. Brush made of 50 hard rustproof steel wires when not in use.

wires. Nickel-plated handle and sliding cover to protect wires when not in use.

AB 37—Weight per dozen 2 ounces.....Each \$0.10

Packing—bulk.

REAMERS



For cleaning lava tips on miners' lamps. Finest grade steel. Length 2¼ inches.

AB 34—Weight per dozen ⅛ ounce.....Per Doz. \$0.25

Packing—bulk.

MATCH SAFES



MINERS'—WATER-PROOF

Nickel-plated brass. Size ¾x2¾ inches.

AB 75—Weight per dozen ½ lb.....Each \$0.10

One dozen in a carton.

MINERS' WICKS



Made of heavy Kentucky cotton threads, put up in convenient round balls.

AB Y—Weight per ball 2 ouncesEach \$0.10

5 lbs. in a cotton sack. 100 lbs. in a bale.

Sold only in full sacks.

‡ Goods marked thus (‡) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

CALCIUM CARBIDE

- Fusion of ground lime and coke in an electric furnace produces calcium carbide.
- Applying water to calcium carbide generates acetylene gas which makes a pure white "daylight" flame that will penetrate fog and mist.
- The gas does not smoke. Has no odor when burning. Costs less than one cent an hour to burn. An ounce will produce an hour's light.
- Comes in solid lumps like gray pebbles. When kept dry it is perfectly harmless and can be packed in the camping outfit or carried in trunk or handbag.

UNION

Produces 4¼ cubic feet of gas per pound.

AB 2—2-lb. cans. ½-inch lumps, for bicycle and motorcycle lampsPer Can \$0.29

AB 2M—2-lb. cans. For miners', camp, and sportsmen's lamps. Per Can \$0.29

24 cans in a case, weight per case 61 lbs.

AB 10M—10-lb. cans. For miners', camp, and sportsmen's lamps. Per Can \$1.35

Six cans in a case, weight per case 75 lbs.



Lumps for miners', camp, and sportsmen's lamps.

UNION

Produces 4¼ cubic feet of gas per pound.

‡ **AB 100M**.....Per Pound \$0.12½

CAMEO

Produces 4¼ cubic feet of gas per pound.

‡ **AB C100M**.....Per Pound \$0.10

100 lbs. in a drum.

SOLD ONLY IN FULL DRUMS



POCKET CARBIDE CANS

JUSTRITE

Assures you of a ready supply of carbide, kept handy and dry in any kind of weather.

Concaved to fit hip pocket or boot. Very convenient to carry. Holds 10 ounces of carbide, a full day's supply. Light, tin-coated steel, ribbed and double seamed with convenient sliding cover. Strong, durable, air-tight and rustproof. Height 4½ inches, width 3½ inches, thickness 1¼ inches.

AB 77—Weight per dozen 2¼ lbs.Each \$0.15



Packing—bulk.

REPAIRS FOR MOWERS, BINDERS AND REAPERS

These repairs are interchangeable with those furnished by the original manufacturers and will fit accurately the machines as listed.

UNDERSERRATED MOWER KNIVES



NOTE—5-Foot knives have 20 sections; 6-foot knives have 24 sections.

Nos.	Each	Lgth., Feet	For Mowers	Section Nos.
AB UZ5025	\$3.00	5	Deere—1922 Since	Z7029
AB UDA9205	3.45	5	Deering—1909 Since	C1864
AB UDA9206	3.65	6	Deering—1909 Since	C1864
AB UM1395	3.00	5	McCormick—1896 to 1933	ME333
AB UM1396	3.45	6	McCormick—1896 to 1933	ME333
AB UMA1395	3.45	5	McCormick-Deering (Steel)—1918 to 1933	ME333
AB UMA1396	3.65	6	McCormick-Deering (Steel)—1918 to 1933	ME333

Two on a board. Weight each 8 lbs.

SMOOTH MOWER KNIVES



NOTE—5-Foot knives have 20 sections; 6-foot knives have 24 sections.

Nos.	Each	Length, Feet	For Mowers	Section Nos.
AB Z454½	\$2.60	4½	Deere-Dain— 1912 to 1919	Z5059
AB Z45	2.75	5	Deere-Dain— 1912 to 1919	Z5059
AB Z456	3.00	6	Deere-Dain— 1912 to 1919	Z5059
AB Z5024½	2.60	4½	Deere—1922 Since	Z5571
AB Z502	2.75	5	Deere—1922 Since	Z5571
AB Z5026	3.00	6	Deere—1922 Since	Z5571
AB D463	2.75	5	Deering—1898 to 1916	D1140
AB D4636	3.00	6	Deering—1898 to 1916	D1140
AB D920	2.75	5	Deering— 1909 Since	D1140
AB D9206	3.00	6	Deering— 1909 Since	D1140
AB DA920	3.00	5	Deering Steel Head— 1909 Since	D1140
AB DA9206	3.40	6	Deering Steel Head— 1909 Since	D1140
AB M203	2.75	5	Emerson— 1900 to 1933	M193S
AB M2036	3.00	6	Emerson— 1900 to 1933	M193S
AB M1394½	2.60	4½	McCormick— 1896 to 1933	MB333
AB M139	2.75	5	McCormick— 1896 to 1933	MB333
AB M1396	3.00	6	McCormick— 1896 to 1933	MB333
AB MA1394½	2.85	4½	McCormick Steel Head—1918 to 1933	MB333
AB MA139	3.00	5	McCormick Steel Head—1918 to 1933	MB333
AB MA1396	3.40	6	McCormick Steel Head—1918 to 1933	MB333
AB K774	2.75	5	Osborne—1905 Since	5406
AB K7746	3.00	6	Osborne—1905 Since	5406

Two on a board. Weight each 8 lbs.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

UNDERSERRATED MOWER SECTIONS



Triple diamond quality, crucible section steel, tempered by a special process which assures perfect cutting and wearing satisfaction.

Nos.	Per 100	For Mowers	Size, In.
AB Z7029	\$6.70	Deere—1922 Since	3x3 3/8
AB C1864	6.70	Deering—1909 Since	3x3 3/8
AB ME333	6.70	McCormick—1896 to 1933	3x3 3/4
AB USO5406	6.70	Osborne—1902 Since	3x3 3/8

25 in a carton. Weight per 100, 15 lbs.

SOLD ONLY IN FULL CARTONS

SMOOTH MOWER SECTIONS



Triple diamond quality, crucible section steel, tempered by a special process which assures perfect cutting and wearing satisfaction.

Nos.	Per Box of 25	For Mowers	Size, In.
AB Z5059	\$1.45	Deere—1895 to 1918	3x3 3/8
AB Z5571	1.45	Deere—1918 Since	3x3 3/8
AB D1140	1.45	Deering—All Mowers 1893 to 1926	3x3 3/8
AB M193S	1.45	Emerson Standard— 1900 Since	3x3 3/8
AB MB333	1.45	McCormick—All Mowers (Also fits Champion)	3x3 3/4
AB 5406	1.45	Osborne—1902 Since	3x3 3/8

25 in a carton. Weight per 100, 15 lbs.

SOLD ONLY IN FULL CARTONS

WEARING PLATES



Nos.	Each	For Mowers
AB Z5926	\$0.12	Deere for under 2° Clip
AB D1455	.12	Deering—Under Cap
AB D3012	.12	Deering—Under Clip
AB M66S	.12	Emerson Under—Cap
AB MA490	.12	McCormick—Under Cap
AB MA468	.12	McCormick—Under Clip
AB 13461	.12	Osborne—Under Clip
AB 10009	.12	Osborne—Under Back Guide

Packing—bulk. Weight each 4 ozs.

REPAIRS FOR MOWERS, BINDERS AND REAPERS

These repairs are interchangeable with those furnished by the original manufacturers and will fit accurately the machines as listed.

MOWER KNIFE WEARING PLATES

UNIVERSAL "ONE-PIECE"—FULL LENGTH



The use of one of these wearing plates with mower knives avoids excessive wear, costly field delays, uneven cutting, ragged stubble, "choking-down" machines, loosened sections on cutting knife as it holds the knife true and straight from end to end, closes the knife-race and greatly improves the cutting action and ease of operation, and reduces cutting cost.

Will fit all mowers having guards 3 inches apart. One-piece heavy steel, natural finish.

Nos.	Each	Length, Feet	Weight Each, Lbs.
AB UWP5	\$1.35	5	4
AB UWP6	1.55	6	4½

Packing—bulk.

MOWER KNIFE HEADS



DEERE-DAIN Z 45

Nos.	Each	For Mowers
AB Z45KH	\$0.50	Deere—Up to 1922
AB Z502KH	.50	Deere—1922 Since
AB D463KH	.50	Deering—1898 to 1916
AB D920KH	.50	Deering, New Ideal Giant—1909 Since
AB DA920KH	.85	Deering, New Ideal Giant—1909 Since (Steel)
AB M203KH	.50	Emerson Stand. Wood Pitman—1900 Since
AB M139KH	.50	McCormick—1889 Since
AB MA139KH	.85	McCormick—Deering, 2-horse—1923 Since (Steel)
AB K774KH	.50	Osborne Nos. 1, 2 and 4—1905 Since

Packing—bulk. Weight each 2 lbs.

MOWER KNIFE CLIPS

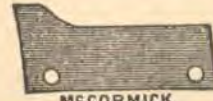


McCORMICK M 463

Nos.	Each	For Mowers
AB Z6060	\$0.15	Deere
AB D927	.15	Deering
AB M579	.15	Emerson
AB M463	.15	McCormick—1892 to 1911
AB MF1000	.15	McCormick—All others
AB K665	.15	Osborne

Packing—bulk. Weight each ¼ lb.

KNIFE HEAD CAPS AND GUIDES



McCORMICK



DEERING D 984

Nos.	Each	For Mowers
AB Z6010	\$0.27	Deere Head Guide, Front
AB Z488	.25	Deere Inner Shoe, Rear
AB D467	.35	Deering Head Cap, Front—1898 to 1911
AB D826	.27	Deering Head Cap, Front—1909 Since
AB D984	.35	Deering Head Guide, Rear
AB M528	.27	Emerson Head Guide, Front
AB M505	.35	Emerson Head Guide, Rear
AB MA1239	.27	McCormick Head Cap, Front
AB MA652	.25	McCormick Head Cap, Rear
AB OK494	.18	Osborne Head Guide, Front
AB OK792	.35	Osborne Head Guide, Rear

Packing—bulk. Weight each 1 lb.

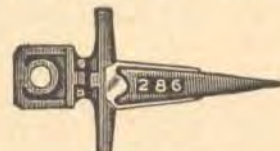
MOWER GUARDS



Nos.	Each	For Mowers
AB Z463	\$0.35	Deere—All
AB D698	.35	Deering—All
AB M614	.35	Emerson—All
AB M462	.35	McCormick—No. 4, 1892 to 1911
AB MD989	.35	McCormick—All others
AB K790	.35	Osborne—All
AB B5	.35	Bolto Guards—(Fits Z463, D698, MD989 Mower Guards)
AB B15	.35	Bolto Guards—(Fits Adriaance Moline 3087D, 3087E, 3087H; Case Osborne OKA790, OK514, OK240; Milwaukee PK5; Thomas M209, CM3 and Wood L)

Packing—bulk. Weight each 1 lb.

BINDER GUARDS



Deering, 286

Nos.	Each	For Binders
AB B254	\$0.29	Deere—1923 Since (Replaces B29)
AB 286	.29	Deering—1882 Since
AB HA495	.29	McCormick—1888 Since

Packing—bulk. Weight each 1 lb.

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REPAIRS FOR MOWERS, BINDERS AND REAPERS

These repairs are interchangeable with those furnished by the original manufacturers and will fit accurately the machines as listed.

GUARD PLATES



FOR MOWERS—SERRATED

Nos.	Per Box of 25	For Mowers
AB Z5110	\$1.45	Deere—All Guards
AB D1739	1.45	Deering—For D698
AB M301S	1.45	Emerson—For M595 and M614
AB M219½	1.45	McCormick—For M462
AB MA990	1.45	McCormick—All others
AB 11565	1.45	Osborne—For K790

FOR BINDERS—SMOOTH

Nos.	Per Box of 25	For Binders
AB B4051	\$1.45	Deere—For B254
AB E1330	1.45	Deering—All
AB H507	1.45	McCormick—All

25 in a carton. Weight per 100, 6½ lbs.
SOLD ONLY IN FULL CARTONS

GUARD BOLTS

SOLD ONLY IN FULL CARTONS



Style 3



Style 4



Style 5

Nos.	Per Box of 25	For Mowers or Binders	Style No.
AB Z5297	\$0.90	Deere Mower—Long	3
AB Z5294	.90	Deere Mower—Short	3
AB B4059	.90	Deere Binder—Short	5
AB B4060	.90	Deere Binder—Long	5
AB D2433	.90	Deering Mower—Long	Spl.
AB D2432	.90	Deering Mower—Short	Spl.
AB H5483	.90	Deering Binder—Long	4
AB 3L	.90	Emerson Mower—Long	3
AB 3S	.90	Emerson Mower—Short	3
AB M329	.90	McCormick Mower—Short for M462	3
AB M805	.90	McCormick Mower—Short for M0989	3
AB M329½	.90	McCormick Mower—Long for M462	3
AB M806	.90	McCormick Mower—Long for M0989	3
AB H508	.90	McCormick Binder—Short	3
AB H508½	.90	McCormick Binder—Long	3
AB 2002	.90	Osborne Mower—Long	3
AB 2003	.90	Osborne Mower—Short	3

25 in a carton. Weight per 100, 10 lbs.
SOLD ONLY IN FULL CARTONS

SICKLES



FOR BINDERS, HEADERS AND REAPERS

Note—6-foot knives have 24 sections! 8-foot knives have 32 sections; No. AB H877 has 23 sections; No. AB H8778 has 31 sections.

Nos.	Each	Length, Feet	For Binders	Section Nos.
AB HZ493	\$3.00	6	Deere—1914 to 1925	H25186
AB HZ4937	3.40	7	Deere—1914 to 1925	H25186
AB B31	3.00	6	Deere—1923 Since	B4831
AB B318	3.75	8	Deere—1923 Since	B4831
AB H877	3.00	6	Deering—1904 Since	E1328
AB H8778	3.75	8	Deering—1904 Since	E1328
AB BA756	3.00	6	McCormick—1911 Since	762
AB BA7568	3.75	8	McCormick—1911 Since	762

Two on a board. Weight each 8 lbs.

BINDER SICKLE SECTIONS



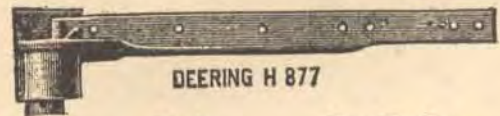
SERRATED

Triple diamond quality crucible, specially tempered, serrated and sharpened to give perfect satisfaction.

Nos.	Per Box of 25	For Binders	Size, In.
AB HZ5186	\$1.45	Deere—Light Draft, 1911 to 1924	3x2½
AB B4831	1.45	Deere—1923 Since	3x2½
AB E1328	1.45	Deering—1890 Since	
AB 762	1.45	McCormick—All Binders	

Weight per 100, 15 lbs. 25 in a carton.
SOLD ONLY IN FULL CARTONS

BINDER KNIFE HEADS



DEERING H 877

Nos.	Each	For Binders
AB HZ463KH	\$0.50	Deere—1914 Since
AB B31KH	.50	Deere (Mall.)—1923 Since
AB H877KH	.85	Deering—1903 Since
AB BA756KH	.65	McCormick—1911 Since

Packing—bulk. Weight each 2 lbs.

Use a
KEEN KUTTER
LAWN MOWER

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

REPAIRS FOR MOWERS, BINDERS AND REAPERS

These repairs are interchangeable with those furnished by the original manufacturers and will fit accurately the machines as listed.

MOWER PITMANS



COMPLETE WITH BOLTS, LESS BOX

Nos.	Each	For Mowers
AB Z5661	\$1.95	Deere No. 1, 1922
AB Z5662	1.95	Deere No. 2, 1922
AB D2907	1.95	Deering, All
AB Z397	1.95	Emerson, Standard 4 to 6 ft., 1902
AB M392	1.95	McCormick, All 2 Horse, 1896
AB J9439½	1.95	Osborne, New No. 2, 1910

Packing—bulk. Weight each 6 lbs.

BINDER PITMANS



Nos.	Each	For Binders
AB HZ9140	\$0.60	Deere, 1914
AB H1255	.60	Deering—30 inch Centers
AB B763	.75	McCormick—1911 to 1926
AB BA763	.60	McCormick-Deering—1923 on

Packing—bulk. Weight each 1½ lbs.

PITMAN WOODS ONLY



Nos.	Each	For Mowers	Replace Pitman Nos.
AB Z6052	\$0.55	Deere No. 1, 1922 (34¼ in.)	25661
AB Z6053	.55	Deere No. 2, 1922 (32¼ in.)	25662
AB D3008	.55	Deering 1901 (33 in.)	D2907
AB M13W	.55	Emerson Standard 4½ to 6 ft. 1902	2397
AB M393	.55	McCormick 1889—All 2 Horse	M392
AB J9439	.55	Osborne 1910, New Nos. 2 and 3	J9439½

Packing—bulk. Weight each 1¼ lbs.

PITMAN BOXES



Nos.	Each	For Mowers
AB Z513	\$0.69	Deere, 1923
AB G191	.65	Deering, 1914, Since
AB M517	.75	Emerson, All
AB ME317	.75	McCormick, All 1888, Since
AB KA1158	.67	Osborne, 1913, Since

Packing—bulk. Weight each 1 lb.

WRIST PINS



Nos.	Each	For Mowers
AB Z5031	\$0.80	Deere-Dain, New (Z73 Nut)
AB D1241	.70	Deering
AB M132S	.90	Emerson—All Standard
AB M90	.70	McCormick—New No. 4, Big 4 and No. 6
AB 9835	.75	Osborne—New, Nos. 2 and 3

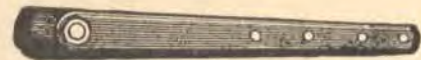
Packing—bulk. Weight each 1 lb.

KEEN KUTTER
LAWN MOWERS
For Smooth Lawns

PITMAN STRAPS



No. AB M147



No. AB M315

Nos.	For Mowers	Each
AB Z392	Deere, Nos. 1 and 2 (steel) 1922 (knife end, rear).....	\$0.35
AB Z393	Deere, Nos. 1 and 2 (steel) 1922 (knife end, front).....	.35
AB Z516	Deere, Nos. 1 and 2 (steel) 1922 (box end, lower and upper).....	.25
AB G210	Deering (steel) 1914 (box end, lower and upper).....	.25
AB G211	Deering (steel) 1914 (knife end, front) replaces D893 and D605.....	.35
AB G212	Deering (steel) 1914 (knife end, rear) replaces D894 and D604.....	.35
AB M147	McCormick, Nos. 4 and 6 (steel) 1887 (knife end, front).....	.35
AB M304	McCormick, Nos. 4 and 6 (steel) 1887 (knife end, rear).....	.35
AB M315	McCormick, Nos. 4 and 6 (steel) 1887 (box end, upper).....	.25
AB M316	McCormick, Nos. 4 and 6 (steel) 1887 (box end, lower).....	.25

Packing—bulk. Weight each ¾ lb.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

REPAIRS FOR MOWERS, BINDERS AND REAPERS

These repairs are interchangeable with those furnished by the original manufacturers and will fit accurately the machines as listed.

CONVEYOR CANVASES



Extra A1 quality duck of reverse construction woven expressly for this purpose. Will stand great tensile stress and has great strength in the right direction to resist strain due to canvas tighteners or pulling of rotating rollers.

DEERE—Light Running Binders

Nos.	Each				Wt. Std. Ea., List, Lbs. Ea.
AB B8556	\$4.75	Upper elevator, 96x44 $\frac{1}{2}$ in.	1923	8	\$4.75
AB B8555	5.15	Lower elevator, 94x50 $\frac{1}{2}$ in.	1923	8 $\frac{1}{2}$	5.15
AB B8553	7.65	7-ft. platform, 160x38 $\frac{3}{8}$ in.	1923	12 $\frac{1}{2}$	7.65
AB B8554	9.00	8-ft. platform, 184x38 $\frac{3}{8}$ in.	1923	15	9.00

DEERE—Light Draft Binders

Nos.	Each				Wt. Std. Ea., List, Lbs. Ea.
#AB HZ9041	\$7.65	7-ft. platform, 159x44 $\frac{1}{4}$ in.	1911-1925	14	\$7.65
#AB HZ9042	9.00	8-ft. platform, 183x44 $\frac{1}{4}$ in.	1911-1925	17	9.00
#AB HZ9402	5.15	Lower elevator, 96x50 $\frac{1}{2}$ in.	1911-1925	8 $\frac{1}{2}$	5.15
(Replaces and works for HZ9043 and HZ9216)					
#AB HZ9403	4.75	Upper elevator, 94 $\frac{1}{2}$ x47 in.	1911-1925	8	4.75
(Replaces and works for HZ9044 and HZ9215)					

DEERING—Ideal Binders

Nos.	Each				Wt. Std. Ea., List, Lbs. Ea.
AB HA4562	\$4.75	Upper elevator, 94x47 in.	1908-1926	8	\$4.75
AB HD1775	5.15	Lower elevator, 89x50 $\frac{1}{2}$ in.	1899-1926	8 $\frac{1}{2}$	5.15
AB HA1773	7.65	7-ft. platform, 157 $\frac{1}{2}$ x43 $\frac{3}{8}$ in.	1899-1926	13	7.65
AB HA2791	9.00	8-ft. platform, 183x43 $\frac{3}{8}$ in.	1901-1926	16	9.00

MCCORMICK

Nos.	Each				Wt. Std. Ea., List, Lbs. Ea.
R. & L. McCormick Binders Deering					
AB BD65	\$4.75	Upper elevator, 91x47 $\frac{1}{2}$ in.	1901-26	1923	8 \$4.75
#AB BA66	5.25	Lower elevator, 97x51 in.	1901-13	....	8 $\frac{1}{2}$ 5.25
AB BB835	5.15	Lower elevator, 89x51 in.	1911-26	1923	8 $\frac{1}{2}$ 5.15
AB BB468	7.65	7-ft. platform, 158x45 in.	1901-26	1923	14 7.65
AB BC469	9.00	8-ft. platform, 182x45 in.	1902-26	1923	17 9.00

BINDER CANVAS SLATS



Straight grained hardwood without holes.

AB BCS56—Size $1\frac{1}{2}$ x $1\frac{1}{2}$ x56 in. Weight per 100 50 lbs. Per 100 \$6.65

Packing—bulk.

KNOTTER HOOKS



MCGILL'S IMPROVED

Guaranteed to bind successfully 500 acres of grain. Saves time and twine. Edges cannot wear sharp. Hard bronze head and jaw, guaranteed not to rust or corrode.

Nos.	Each	For Binders
AB HZ185	\$1.45	Deere—All Binders, 1911, Since
AB B189	1.45	Deering—All Binders, 1898-1922
AB T567M	1.45	McCormick—All Binders, 1894-1922
AB T567MD	1.45	McCormick-Deering—All Binders, 1923

Packing—bulk. Weight each $\frac{1}{2}$ lb.

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory. Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

APRON WEBBING

For repairing and reinforcing binder canvases; excellent for repairing harness.



One Ply

Nos.	Per Foot	Width, Inches	Wt. Per 100 Feet, Lbs.
AB AS2	\$0.02	2 $\frac{1}{4}$	2 $\frac{1}{4}$
AB AS2 $\frac{1}{2}$	.02 $\frac{1}{4}$	2 $\frac{1}{2}$	3
AB ASS	.03	3	4

100 feet in a bundle.

HARVESTER WEBBING

FOR BINDER AND HEADER CONVEYOR APRONS



Three-Ply

Good quality, strong cotton webbing.

Nos.	Per Foot	Width, Inches	Wt. Per 100 Feet, Lbs.
AB 3P1 $\frac{1}{2}$	\$0.02 $\frac{1}{2}$	1 $\frac{1}{2}$	3 $\frac{1}{4}$
AB 3P1 $\frac{1}{4}$	.03	1 $\frac{1}{4}$	4
AB 3P2	.04 $\frac{1}{2}$	2	6 $\frac{1}{2}$

100 feet in a bundle.

IRON RIVETS

These rivets are made to blueprint specifications, are exact in size and will fit perfectly where intended. When ordering give style of head, length, thickness and purpose to be used for.

SMOOTH MOWER SECTION RIVETS



Special Oval Head

Size $\frac{1}{2} \times 1\frac{3}{64}$ in. Per Lb. \$0.20

SERRATED AND BINDER SECTION RIVETS



Special Oval Head

Size $\frac{3}{8} \times 1\frac{3}{64}$ in. Per Lb. \$0.20

Special Countersunk Head

Size $\frac{7}{16} \times 1\frac{3}{64}$ in. Per Lb. \$0.20

KNIFE HEAD RIVETS



Special Oval Head

Size, in. $\frac{5}{8} \times 1\frac{3}{64}$ $\frac{3}{4} \times 1\frac{3}{64}$ $\frac{7}{8} \times 1\frac{3}{64}$
Per lb. \$0.20 .20 .20

GUARD PLATE RIVETS



Special Countersunk Head

Size $1\frac{1}{4} \times 1\frac{3}{64}$ in. Per Lb. \$0.20

PITMAN STRAP RIVETS



Oval Head

Size, in. $2 \times \frac{1}{4}$ $2\frac{1}{4} \times \frac{1}{4}$ $2\frac{1}{2} \times \frac{1}{4}$
Per lb. \$0.20 .20 .20

One pound in a carton.

DETACHABLE SPROCKET CHAIN



Used extensively for power transmission, and for elevator and conveyor work not involving too much twisting and side strain. Also for double strand elevators and conveyors.

Usable wherever necessary on binders, headers, feed cutters, manure spreaders and silo fillers.

MALLEABLE IRON—OIL DIPPED

Each link is detachable and finished for accurate fit.

Nos.	Per Ft.	Average Pitch, In.	Average Ultimate Strength, Lbs.	No. Links in 10 Ft.	Max. Speed Per Min., Ft.	Weight Per Ft., Lbs.	Std. List Per Ft.
AB 25M	\$0.18	.902	700	133	600	.24	\$0.17
AB 32M	.18	1.154	1100	104	600	.32	.17
AB 33M	.17	1.394	1190	86	600	.32	.16
AB 34M	.19	1.398	1300	86	600	.40	.18
AB 42M	.20	1.375	1500	86	600	.55	.19
AB 45M	.19	1.630	1600	74	500	.52	.18
AB 52M	.24	1.506	2300	80	500	.80	.23
AB 55M	.21	1.631	2200	74	500	.70	.20
AB 62M	.29	1.654	3100	73	500	1.04	.27
AB 67M	.32	2.308	3300	52	480	1.15	.30
AB 77M	.37	2.297	3600	52	480	1.45	.35

STEEL—PAINTED BLACK

AB 32S	\$0.16	1.154	1650	104	600	.34	\$0.17
AB 33S	.15	1.394	1190	86	600	.32	.16
AB 34S	.17	1.398	1300	86	600	.40	.18
AB 42S	.18	1.375	1500	88	600	.55	.19
AB 45S	.17	1.630	1600	74	500	.52	.18
AB 52S	.21	1.506	2300	80	500	.80	.23
AB 55S	.23	1.631	2200	74	500	.70	.20
AB 62S	.25	1.654	3100	73	500	1.04	.27
AB 67S	.28	2.308	3300	52	480	1.15	.30
AB 77S	.33	2.297	3600	52	480	1.45	.35

In 10-ft. lengths.

CULTIVATOR SHOVELS

STANDARD



Left Hand



Right Hand

Crucible steel, $\frac{3}{4}$ -inch thick, with reinforced points; polished and lacquered front; japanned back.

Fitted with malleable iron shovel backs for round shank 1 to $1\frac{1}{4}$ inches.

Right hand shovels throw soil to the right; left hand shovels throw soil to the left.

Size $3\frac{1}{2} \times 8\frac{1}{2}$ Inches

Per Set (6)

AB 45—Set of six shovels—three right hand and three left hand. Weight per set $15\frac{3}{4}$ lbs. \$3.25

ARROW HEAD



The special design of these shovels offers great cutting surface and requires very light draft.

Crucible steel, $\frac{3}{4}$ -inch thick, with sharpened edges and reinforced points; polished and lacquered front; japanned back.

Fitted with malleable iron shovel backs for round shank 1 to $1\frac{1}{4}$ inches.

Size 6x8 Inches

Per Set (6)

AB 68—Set of six—all alike. Weight per set $13\frac{1}{2}$ lbs. \$3.50

One set in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

CAST IRON CHILLED PLOW SHARES AND LANDSIDES

VESUVIUS

Toughness, strength and extra wear are built into these shares and landsides through the proper mixture of pig iron and other highly important elements that enter into their construction. Made to the right thickness and shape, they are guaranteed to fit as perfectly as those originally furnished with your plow.

"Stove plate" finish, with ground and polished soil side surface, enameled "pine-tree" green.

SOLID SHARES

RIGHT HAND



FOR CHATTANOOGA PLOWS

Nos.		Each	For Plow No.	Wt. Each, Lbs.	Std. Each
AB 43DS	Deep Suction	\$0.46	43	6½	\$0.42
AB 44DS	Deep Suction	.57	44	8	.50
AB 63DS	Deep Suction	.46	63	6	.42
AB 64DS	Deep Suction	.57	64	7¾	.50

FOR IMPERIAL PLOWS

AB 710X		\$0.75	700, 710	9¼	\$0.65
AB 808X		.65	800, 808, 818	7¾	.55
AB 810X		.70	810	8	.62

FOR OLIVER PLOWS

AB ACDS	Deep Suction	\$0.33	AC	3¾	\$0.25
AB 10DS	Deep Suction	.50	10	4¾	.40
AB 13C	Common	.60	13	5¾	.50
AB 13DS	Deep Suction	.60	13	5¾	.50
AB 19C	Common	.65	19	5¾	.55
AB 19DS	Deep Suction	.65	19	5¾	.55
AB 20C	Common	.70	20	6	.60
AB 20DS	Deep Suction	.70	20	6	.60
AB 40C	Common	.80	40	8	.70
AB 40DS	Deep Suction	.80	40	8	.70

FOR SOUTH BEND PLOWS

AB 2		\$0.45	2, 2A, 2F, 2V	4	\$0.35
AB 2X		.50	2X, 2XV	4	.40
AB 2½		.55	2½, 2½F	5½	.45
AB 2½X		.60	2½X	6	.50
AB 3		.60	3, 3ADS, 3F	5½	.50
AB 3X		.65	3X	6¼	.55
AB 4		.65	4, 4ADS, 4F	6¼	.55
AB 4X		.70	4X	7¾	.60

FOR SYRACUSE PLOWS

AB 603C		\$0.65	463, 603, 1463	8	\$0.50
AB 604C		.60	464, 604, 1464	7½	.46
AB 605C		.50	465, 605, 1465	4	.36

FOR VULCAN PLOWS

AB 7VDS	Deep Suction	\$0.33	7	3¾	\$0.25
AB 10VDS	Deep Suction	.60	10	6¼	.50
AB 11VDS	Deep Suction	.65	11	6½	.55
AB 12VDS	Deep Suction	.70	12	8	.60

Packing—bulk.

LANDSIDES

RIGHT HAND



FOR CHATTANOOGA PLOWS

Nos.		Each	For Plow No.	Wt. Each, Lbs.	Std. Each, List
AB 43L		\$0.85	43	7½	\$0.78
AB 44L		1.05	44	8	.95
AB 63L		.85	63	6½	.78
AB 64L		1.05	64	8	.95

FOR IMPERIAL PLOWS

AB 710XL		\$1.20	700, 710	10½	\$1.10
AB 808XL		1.00	800, 808	8¼	.85
AB 810XL		1.10	810	10	1.00

FOR OLIVER PLOWS

AB 10LWB	Wood Beam	\$0.90	10	7	\$0.70
AB 10LSB	Steel Beam	.90	10	7	.70
AB 13LSB	Steel Beam	1.10	13	7¼	.90
AB 13LWB	Wood Beam	1.10	13	7¼	.90
AB 19LSB	Steel Beam	1.15	19	9¾	1.05
AB 19LWB	Wood Beam	1.15	19	9¾	1.05
AB 20LWB	Wood Beam	1.20	20, F448	10¼	1.20
AB 20LSB	Steel Beam	1.20	20	10¼	1.20
AB 40LWB	Wood Beam	1.30	40, F484	11	1.15
AB 40LSB	Steel Beam	1.30	40	11	1.15
AB ALWB	Wood Beam	.65	A	5	.50
AB ACLWB	Wood Beam	.65	AC	5	.50
AB ALSB	Steel Beam	.65	A, F1263	5	.50
AB ACLSB	Steel Beam	.65	AC	5	.50

FOR SOUTH BEND PLOWS

AB 2L		\$0.90	2, 2A	6¾	\$0.70
AB 2XL		.90	2X	6¾	.70
AB 2½L		1.10	2½	8	.90
AB 2½XL		1.10	2½X	8	.90
AB 3L		1.15	3, 3A	9¼	1.05
AB 3XL		1.15	3X	9¼	1.05
AB 4L		1.20	4, 4A	12½	1.10
AB 4XL		1.20	4X	12½	1.10

FOR SYRACUSE PLOWS

AB 463L		\$1.15	463, 1463	10½	\$0.96
AB 464L		1.10	464, 1464	8	.84
AB 465L		.75	465, 1465	8	.64
AB 605L		1.05	605	11¾	.80

FOR VULCAN PLOWS

AB 7L		\$0.65	7	3½	\$0.50
AB 10L		1.10	10	8¼	.90
AB 11L		1.15	11	7¾	1.05
AB 12L		1.20	12	9¾	1.10

Packing—bulk.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

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AGRICULTURAL BELTING



RED—Friction Surface

Good grade duck adaptable for use in mills, factories, and farm machinery. Will give excellent service.

AB RA32—32-oz. duck. Friction test 16 to 19 lbs.

4-Ply		Weight Per 100 Feet, Lbs.	Std. List, Per Foot
Width, Inches	Per Foot		
3	\$0.20	27	\$0.65
4	.27	36	.82
5	.32	45	1.02
6	.40	54	1.22

AB RA28—28-oz. duck. Friction test 12 to 15 lbs.

Adaptable to work in industrial plants and agricultural fields. Suited for drives comparable to saws, pump jack, and the like.

3-Ply		Weight Per 100 Feet, Lbs.	Std. List, Per Foot
Width, Inches	Per Foot		
1½	\$0.10	10	\$0.31
2	.12	13½	.39
2½	.15	17	.48
3	.16	20¼	.55
4-Ply			
2	.15	18	.46
2½	.18	22½	.56
3	.19	27	.65
4	.25	36	.82
5	.30	45	1.02

250 feet in a roll.

When ordering be sure to specify number, ply and width.

LEATHER BELTING



ROUND
For use on small power machines. First quality oak tanned leather. Regular weight.

Nos.	Per 100 Ft.
AB RBR¼	\$0.07½
AB RBR⅜	.10
AB RBR½	.15

Nos.	Diam., In.	Wt. Per 100-Ft. Spool, Lbs.
AB RBR¼	¼	5
AB RBR⅜	⅜	6½
AB RBR½	½	8

100 feet on a spool.



FLAT—STANDARD GRADE

A well-made good quality belt for general purposes.

Nos.	Per Foot	Width, Inches	Thick-ness, Inches	Weight Per 100 Feet, Lbs.
SINGLE				
AB LBS1	\$0.13	1	¾	7
AB LBS1½	.19	1½	1¼	11
AB LBS2	.25	2	1¾	14
DOUBLE				
AB LBD2	.49	2	1¾	25
AB LBD3	.75	3	1¾	37

100 feet on a roll.

SQUARE EDGE BELTING

REPUBLIC—CHALLENGER



This belting has all the strength, flexibility and friction qualities of the best belting made with the additional feature of being square edged.

Hard woven duck. All plies skim-coated; tan color, with purple edge.

AY D700—33-oz. duck; 20-24 lb. friction surface.

Width, Inches	Per Foot	Weight Per 100 Feet, Lbs.	Std. List, Per Foot
1½	\$0.24	10½	\$0.31
3-Ply	2	.30	.39
	2½	.36	.48
	3	.42	.55
4-Ply	2½	.42	.56
	3	.48	.65
	4	.62	.82
5-Ply	5	.77	1.02
	6	.97	1.22
	6	1.15	1.53
	8	1.45	1.93

Can be furnished in lengths up to 250 feet.

When ordering be sure to specify number, ply and width.

ENDLESS THRESHER OR TRACTOR BELTS



RED—Friction Surface

Made of good grade duck and will give excellent service.

Nos.	Each	Weight Length, Each, Feet	Std. List, Each
WIDTH 4 INCHES—4 PLYS			
#AY EB4440	\$10.45	40 15¼	\$35.50
WIDTH 5 INCHES—4 PLYS			
#AY EB5440	12.45	40 18¼	44.00
#AY EB5450	15.45	50 23¼	54.00
#AY EB5460	18.25	60 28¼	64.00
#AY EB5475	23.45	75 35½	79.50
#AY EB54100	28.95	100 48	105.00
WIDTH 6 INCHES—4 PLYS			
AY EB6440	15.25	40 21½	52.50
AY EB6450	18.65	50 27½	64.50
AY EB6460	21.95	60 33¼	76.50
AY EB6475	26.95	75 42	95.00
#AY EB64100	35.95	100 56½	125.50
#AY EB64125	44.75	125 71	156.00
WIDTH 7 INCHES—4 PLYS			
#AY EB7450	21.75	50 32	75.50
#AY EB7460	25.75	60 38¼	90.00
AY EB7475	31.95	75 49	111.50
AY EB74100	41.95	100 66	147.00
#AY EB74125	53.75	125 83	183.00
#AY EB74150	62.75	150 100	218.50
WIDTH 8 INCHES—4 PLYS			
#AY EB8450	23.75	50 36½	81.50
#AY EB8460	27.75	60 44½	97.00
#AY EB8475	34.75	75 56	120.50
#AY EB84100	45.50	100 75½	158.50
#AY EB84125	56.50	125 95	197.00
#AY EB84150	66.75	150 114	235.50
WIDTH 7 INCHES—5 PLYS			
#AY EB75125	65.50	125 102½	229.00
#AY EB75150	78.45	150 123½	274.00
WIDTH 8 INCHES—5 PLYS			
#AY EB85125	70.75	125 116½	247.00
#AY EB85150	84.45	150 140½	295.00
#AY EB85160	89.95	160 150	314.50
WIDTH 9 INCHES—5 PLYS			
#AY EB95150	94.75	150 158	330.50
#AY EB95160	99.95	160 169	352.00

Packing—as ordered.

* Goods marked thus (*) are not carried in stock and can only be furnished by shipment direct from factory. Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

STITCHED COTTON DUCK BELTING

GANDY

Made of tightly woven duck, closely stitched and well stretched.

ROLL BELTING



AB 37½ HD—Heavy-duty—37½-oz. duck; red..... See Lists Below
 # AB 32A—"32"; agricultural—32-oz duck; red..... See Lists Below

STANDARD LIST PRICE Adopted October 1, 1929

Width, Inches	4-PLY		5-PLY		6-PLY		8-PLY		10-PLY	
	Std. List, Per Foot	Weight 100 Ft., Lbs.	Std. List, Per Foot	Weight 100 Ft., Lbs.	Std. List, Per Foot	Weight 100 Ft., Lbs.	Std. List, Per Foot	Weight 100 Ft., Lbs.	Std. List, Per Foot	Weight 100 Ft., Lbs.
1½	\$ 0.30	17	\$ 0.38	21	....	....	....	....	....	....
2	.39	22	.49	27	\$ 0.59	32	....	....	....	....
2½	.49	26	.61	33	.73	41	....	....	....	....
3	.57	32	.71	41	.86	49	....	....	....	....
3½	.66	38	.83	43	1.00	57	....	....	....	....
4	.74	43	.93	53	1.11	64	\$ 1.48	84	....	....
4½	.84	50	1.04	61	1.22	73	1.68	94	....	....
5	.93	54	1.16	67	1.39	80	1.86	106	....	....
6	1.08	65	1.35	81	1.62	96	2.16	127	....	....
7	1.26	75	1.58	93	1.89	113	2.52	149	....	....
8	1.44	86	1.80	107	2.16	128	2.88	170	....	....
9	1.62	97	2.03	119	2.43	146	3.24	189	....	....
10	1.80	108	2.25	134	2.70	160	3.60	212	....	....
12	2.16	128	2.70	160	3.24	191	4.32	254	\$ 5.40	316
14	2.59	149	3.24	184	3.89	227	5.18	296	6.48	364
16	2.96	170	3.70	210	4.44	259	5.92	338	7.40	416
18	3.33	191	4.16	236	5.00	291	6.66	380	8.33	468
20	3.80	212	4.75	263	5.70	323	7.60	423	9.50	520
22	4.18	233	5.23	289	6.27	355	8.36	445	10.45	572
24	4.56	254	5.70	314	6.84	387	9.12	487	11.40	624
26	4.97	275	6.22	341	7.46	419	9.95	530	12.43	676
30	5.73	317	7.17	393	8.61	484	11.48	614	14.34	780
36	6.88	381	8.61	471	10.33	580	13.77	740	17.21	936

250 feet in a roll.

ENDLESS THRESHER AND TRACTOR BELTS

AY 32ETR—32-oz.; red with green edge..... See Lists Below

STANDARD LIST PRICE Adopted October 1, 1929

	40 Ft. Long		50 Ft. Long		75 Ft. Long		100 Ft. Long		125 Ft. Long		150 Ft. Long		160 Ft. Long	
	Std. List, Each	Wgt. Each, Lbs.	Std. List, Each	Wgt. Each, Lbs.	Std. List, Each	Wgt. Each, Lbs.	Std. List, Each	Wgt. Each, Lbs.	Std. List, Each	Wgt. Each, Lbs.	Std. List, Each	Wgt. Each, Lbs.	Std. List, Each	Wgt. Each, Lbs.
4-PLY														
5 inches wide	\$ 40.00	24	\$ 49.50	28	\$ 72.50	42	\$ 96.00	60	....	..	....	..	....	..
6 inches wide	46.50	28	57.50	34	84.50	54	111.50	71	\$138.50	89	....	..	....	..
7 inches wide	....	..	67.00	42	98.50	62	130.00	82	161.50	98	\$193.00	120	....	..
8 inches wide	....	..	76.50	48	12.50	70	148.50	95	184.50	112	220.50	138	....	..
5-PLY														
6 inches wide	....	..	....	..	....	..	....	..	173.00	102	....	..	....	..
7 inches wide	....	..	....	..	....	..	....	..	202.50	118	242.00	142	....	..
8 inches wide	....	..	....	..	....	..	....	..	230.50	134	275.50	162	\$293.50	173
9 inches wide	....	..	....	..	....	..	....	..	260.00	150	311.00	182	331.00	190

One in a carton.

INSTRUCTIONS ON ORDERING

To insure quick shipments, orders must specify length, width, ply and brand.

If an endless belt is wanted, order must specify exact tape line length and the type of splice desired.

The quickest job is obtained in three days by using the lap splice, which consists of taking a piece of roll belting out of stock, opening the several plies, lapping them together, cementing and re-stitching.

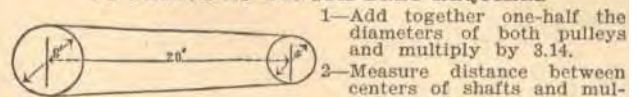
The better job is the folded splice which is a splice built into the belt in the making. This type of splice means a delay depending on the time required to season the treatment used in the brand and ply belt ordered.

Gandy Heavy-Duty and Gandy 32 in 4-ply requires 14 days
 Gandy Heavy-Duty and Gandy 32 in 5-ply requires 17 days
 Gandy Heavy-Duty and Gandy 32 in 6-ply requires 21 days
 Gandy Heavy-Duty and Gandy 32 in 8-ply requires 28 days
 Charge for splice on endless belts under 12-inch in width, all plies, 6 feet additional; 12-inch and over in width, all plies, 8 feet additional.

Guaranteed only against defect in material and workmanship. Belts should be run in the center of the pulley and should not be held in place by any object that will injure or break the edges.

Results of overloading, injurious use of belt dressings, or chafed, frayed or nicked edges do not constitute defects.

TO ARRIVE AT LENGTH BELT REQUIRED



- 1—Add together one-half the diameters of both pulleys and multiply by 3.14.
 - 2—Measure distance between centers of shafts and multiply by 2.
 - 3—Subtract size of smaller pulley from that of larger, multiply result by 2 and divide that result by 4 times the distance between shaft centers.
 - 4—Add all results together.
- Example**—Large pulley 6 ft., small pulley 4 ft.; distance between shaft centers 20 ft.; belt required:
- 1—One-half diameter large and small pulleys
 $= 5 \text{ ft.} \times 3.14 = \dots\dots\dots 15.70 \text{ ft.}$
 - 2—Distance between centers, 20 ft. $\times 2 = \dots\dots\dots 40.$
 - 3—Large pulley 6 ft. less small pulley 4 ft. $= 2 \text{ ft.}$
 $\times 2 = 4 \text{ ft.}; \text{ distance between centers } 20 \text{ ft.} \times 4 = 80$
 $\text{ft.}; 4 \text{ divided by } 80 = \dots\dots\dots .05$
 - 4—Total $\dots\dots\dots 55 \text{ ft. } 9 \text{ in. or } 55.75 \text{ ft.}$

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

BELT LACERS

CLIPPER



For general belt lacing work. The scientific toggle lever construction furnishes the tremendous power necessary to embed the hooks flush with belting surface.

Will lace any belt over 3/8 inch thick and 6 inches wide in one operation. For belts wider than 6 inches operation is repeated.

Built of the strongest and best materials obtainable for the purpose. Steel castings painted black. All brass parts polished. Two blued finish steel levers each 10 inches

long with wood grip. Length 9 inches width 7 inches, height 7 inches.

AY 3—Weight each 26 lbs.....Each \$29.75



Vise type for use with any ordinary vise.

The special pressure plate makes it possible to embed the hooks flush with surfaced belt, also to clinch the points.

Will lace belts up to 3/8 inch thick in one operation. Use clipper belt hooks Nos. AB 2SP to AB 6SP.

Constructed of bar and strip steel, blued finish. All brass parts polished.

Nos.	Each	For Belts		
		Width, Inches	Width, Inches	Weight, Lbs.
AB 04	\$3.65	4	4	2 1/2
AB 06	4.35	6	6	3 1/4

One in a carton.

BELT CUTTERS

CLIPPER OPEN END MODEL



This tool will cut belting from the roll and square belt ends preparatory to lacing them. Will also cut brake lining with metallic fibres without injury to the blade.

Workmanship and material fully guaranteed. Malleable castings, painted black. Tool steel removable blade 6 inches long. The knife cannot be raised high enough to become a hazard; blued finish steel lever 10 inches long, with wood grip.

Capacity 6 inches. Size—11 inches long, 5 inches wide, 5 1/2 inches high.

AY 6—Weight each 11 lbs.....Each \$17.95

One in a carton.

A NEW
Keen Kooker
CAST IRON RANGE
Will Give You Better,
Faster Cooking

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

BELT HOOKS

CLIPPER



These hooks are made from a special steel wire that combines great tensile

strength and ability to withstand fatigue. Under actual tests each hook has withstood a pulling strain of 60 lbs., equal to 400 lbs. per inch of belt.

STANDARD PACKAGE

Each box contains 12 cards of 84 hooks, each with sufficient rawhide pins to lace 80 inches total width both ends of belt.

Nos.	Per Card of 84	For Belts Not Over, Inches, Thick.	Weight Per Box, Lbs.
AB 3	\$0.12	*	1 1/4
AB 4	.12	1/4	1 3/8
AB 5	.15	1/2	1 3/4
AB 6	.17	3/8	2

*Nos. AB 3 for thin belts running over medium sized pulley.

SMALL PACKAGE

Each box contains eight 6-inch cards of 39 hooks, each with sufficient rawhide pins to lace 24 inches total widths both ends of belt.

Nos.	Per Card of 39	For Belts Not Over, Inches, Thick.	Weight Per Box, Lbs.
AB 2SP	\$0.10	*	6 1/2 ozs.
AB 3SP	.10	*	7 ozs.
AB 4SP	.10	1/4	7 1/2
AB 5SP	.12	1/2	8 1/2
AB 6SP	.15	3/8	11 1/8

*Nos. AB 2 and AB 3 for thin belts running over medium sized pulley.

RAWHIDE PINS



CLIPPER—TWISTED

Excellent for use on quarterturn belts, belts shifted quickly from tight to loose pulleys, belts running on cone pulleys, or belts that are likely to climb a flange.

Nos.	Per Pin	Inch
AB 12	\$0.05	1/4 for No. 4 hooks
AB 11	.05	1/4 for No. 5 hooks

24 pins in a package; weight per package 1 ounce.

TRACE AND BELT SPLICES

SMITH'S PATENT



Extensively used by saddlery manufacturers. They make a perfect splice and smooth joint when used for repairing leather goods, straps, belting and cotton webbing.

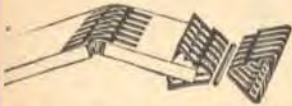
Cannot pull out when properly applied. Especially desirable for use on extra heavy belts running over large pulleys and for splicing traces.

Soft copper body 1 1/4 inches long with 3/4 inch rivet ends. Spring brass washers 2 1/8 inches long.

AB TBS00—Weight per box 1 lb.....Per Box \$1.60

50 in a box.

BELT LACING ALLIGATOR



STEEL For Leather and Other Belting

which can be applied without special tools. The joint lasts longer and saves repairs. Lacing is smooth on both sides of belt and can run in contact with an idler pulley or on serpentine drivers. Can be used in all classes of service, or any kind of belting.

Stamped from cold-rolled steel, plain finish. Double toothed grip. Complete with sectional steel rocker hinge pins.

Nos.	Per Set	For Belts Thickness, In.	Sets in a Box	Will Lace	
				Belt Width, In.	Total Per Box, Lbs.
AB 15	\$0.25	$\frac{1}{8}$ to $\frac{3}{8}$	4—12 in.	64	$\frac{7}{8}$
AB 20	.27	$\frac{3}{16}$ to $\frac{3}{8}$	4—12 in.	60	1 $\frac{1}{4}$
AB 25F	.25	$\frac{3}{16}$ to $\frac{7}{16}$	6—8 in.	48	1 $\frac{3}{8}$
AB 25G	.35	$\frac{3}{16}$ to $\frac{7}{16}$	8—12 in.	96	2 $\frac{1}{2}$
AB 27	.37	$\frac{3}{4}$ to $\frac{3}{8}$	8—12 in.	96	3 $\frac{1}{2}$
AB 35M	.33	$\frac{3}{8}$ to $\frac{7}{16}$	4—8 in.	32	1 $\frac{3}{4}$
AB 35N	.45	$\frac{3}{8}$ to $\frac{3}{8}$	4—12 in.	48	2 $\frac{1}{2}$
AB 45	.60	$\frac{3}{8}$ to $\frac{3}{8}$	4—12 in.	48	3 $\frac{1}{2}$
AB 55	.75	$\frac{3}{8}$ to $\frac{3}{8}$	4—12 in.	48	5

In cardboard boxes, with full directions for applying.



HANDY PACKAGE

For use when belting is to be laced only occasionally.

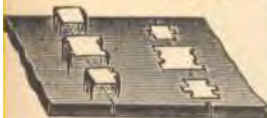
Each package contains two 6-inch sets of lacing that can be broken into short lengths for narrow belts. Complete with gauge and hinge pins.

FOR BELTS

Nos.	Per Box	Leather	Fabric	Wt. Per Ctn. (10 Boxes), Lbs.
AB 15S	\$0.29	Light Single	3-ply, $\frac{1}{8}$ to $\frac{3}{8}$ in. thick	2
AB 25S	.39	Medium Single	4-ply, $\frac{3}{16}$ to $\frac{3}{8}$ in. thick	3 $\frac{3}{4}$
AB 27S	.45	Light Double	4-ply, and light 5-ply, $\frac{1}{4}$ to $\frac{3}{8}$ in. thick	4 $\frac{1}{2}$

One set in a cardboard box, ten boxes in a carton.

BELT FASTENERS



STAG

The zig-zag position of the teeth insures a strong, durable joint. Stamped from cold-rolled steel, plain finish.

AB 1FS—For single leather, 3-ply rubber or cotton belts, $\frac{1}{2}$ to 4 inches wide; weight per 100 $\frac{3}{4}$ lb. Each \$0.65

AB 2S—For single or light double leather, 4-ply rubber, or cotton belts, 1 to 6 inches wide; weight per 100 1 $\frac{3}{4}$ lbs. Each \$1.10

AB 3S—For double leather, 4 to 6-ply rubber or cotton belts, 1 inch wide and larger; weight per 100 2 $\frac{1}{4}$ lbs. Each \$1.85

One hundred in a cardboard box.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

BELT LACING

Belts can be quickly and easily joined without special tools by using these belt lacings—a hammer and soft wood block are all that are necessary.

BRISTOL

Stamped from strips of specially tested cold-rolled steel.



Assorted lengths from 1 to 3 inches; for ordinary single leather belts from $\frac{3}{8}$ to $\frac{1}{2}$ -inch thick; width $\frac{3}{8}$ inch; $\frac{3}{8}$ -inch points.

AB 1—Weight per box 1 lb. Per Box \$1.10



Assorted lengths from 1 to 2 $\frac{1}{2}$ inches. For 4-ply rubber and cotton belts from $\frac{1}{4}$ to $\frac{3}{8}$ -inch thick; width $\frac{1}{4}$ inches; $\frac{1}{2}$ -inch points.

AB 12—Weight per box 3 lbs. Per Box \$1.45

Assorted lengths from 1 $\frac{1}{2}$ to 2 $\frac{3}{4}$ inches. For 6-ply rubber and cotton belts from $\frac{3}{8}$ to $\frac{7}{16}$ -inch thick; width 2 $\frac{3}{4}$ inches, $\frac{3}{4}$ -inch points.

AB 14—Weight per box 5 lbs. Per Box \$2.15



STAGGERED POINT STYLE

Assorted lengths from $\frac{1}{2}$ to 2 $\frac{1}{2}$ inches; for ordinary single leather belts and 3-ply rubber and cotton belts from $\frac{3}{16}$ to $\frac{1}{4}$ -inch thick; width 1 inch; $\frac{3}{8}$ -inch points.

AB 111—Weight per box 2 lbs. Per Box \$1.10

Assorted lengths from 1 to 2 $\frac{3}{4}$ inches; for extra heavy and wide single leather belts and 4-ply rubber and cotton belts from $\frac{1}{4}$ to $\frac{3}{8}$ -inch thick; width 1 $\frac{1}{4}$ inches; $\frac{1}{2}$ -inch points.

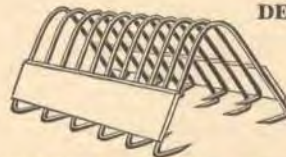
AB 112—Weight per box 3 lbs. Per Box \$1.45

Assorted lengths from 1 $\frac{1}{2}$ to 3 $\frac{1}{2}$ inches; for heavy double leather belts and 6-ply rubber and cotton belts $\frac{3}{8}$ to $\frac{7}{16}$ -inch thick; width 1 $\frac{3}{4}$ inches; $\frac{3}{4}$ -inch points.

AB 114—Weight per box 5 lbs. Per Box \$2.15

Each box contains (assorted lengths) enough to lace 100 inches in width of belt.

DETROIT



Showing Hooks Open With Outside Paper Strips To Prevent Displacement.



Shows Long Hook and Short Hook Carded Alternately—Producing a True Stagger.

This lacing gives the least reduction of area possible, consistent with tensile strength of joint, and shows the least reduction of belt strength.

Takes a perfectly staggered hold of belt by using a long hook and short hook alternately. Legs of all hooks are of the same length and cannot pull out.

Hooks are firmly mounted on rubberized paper—can be handled any number of times and cut with a knife without displacing a hook. Can be applied with any standard closing machine.

Put up in sections full 12 inches long complete with 12-inch bakelite pin.

Each box contains twelve 12-inch sections (each 84 hooks) and 12 bakelite pins.

Nos.	Per 12 Inch Section	For Belt	Wt. Box, Lbs.
AB D2BL	\$0.12	Very Light Single ($\frac{1}{8}$ inch)	1
AB D3BL	.15	Light Single ($\frac{3}{16}$ inch)	1
AB D4BL	.15	Heavy Single ($\frac{1}{4}$ inch)	1 $\frac{3}{8}$
AB D5BL	.17	Light Double ($\frac{3}{16}$ inch)	1 $\frac{1}{2}$
AB D6BL	.19	Heavy Double ($\frac{3}{8}$ inch)	1 $\frac{3}{4}$

Twenty-five boxes in a case.

LACE LEATHER

SIMMONS



Possesses great strength, yet is soft and pliable.

Made from No. 1 packer hides, tanned by a special process known as Indian Tannage. Every side guaranteed to be first quality. Light brown color.

Assorted 11 to 19 square feet to a side.

INDIAN TANNED

AB S1—Weight per 100 square feet 40 lbs. Per Square Foot \$0.65

Highest grade strong rawhide lace leather. Made from No. 1 packer hides, closely trimmed. Well oiled, soft and pliable. Quality guaranteed to be first class.

Assorted 10 to 18 square feet to a side.

AB 100—Weight per 100 square feet 50 lbs. Per Square Foot \$0.60

One dozen sides in a bundle.

FARMERS' BUNDLE



Assorted widths and lengths of lace leather for patching harness, automobile fan belts, and belt lacing on farm machinery and many other uses.

Nos.	Per Bundle	Bundle, Lbs.
AR FB	\$0.29	1
AB FBH	.19	1/2

Packing—bulk.

CUT LACING

SIMMONS

INDIAN TANNED

Cut from SIMMONS Indian Tanned lace leather sides—guaranteed to be first quality.

Nos.	Per Foot	Width, Inches	Wt. Per 100 Feet, Lbs.
AB SIT 3/8	\$0.02	3/8	1
AB SIT 1/2	.03	1/2	1 3/4
AB SIT 5/8	.03 1/2	5/8	2

RAWHIDE

Extremely strong—cut from Cochecho lace leather side. Guaranteed to be high quality.

Nos.	Per Foot	Width, Inches	Wt. Per 100 Feet, Lbs.
AB 1CL 1/4	\$0.01 1/2	1/4	3/4
AB 1CL 5/16	.01 3/4	5/16	3/4
AB 1CL 3/8	.02	3/8	1
AB 1CL 1/2	.03	1/2	1 3/4
AB 1CL 5/8	.03 1/2	5/8	2

100 feet in a bundle; assorted lengths.



HANDY PACKAGE

Each package contains 100 feet in rolls, each roll in glazed paper envelope.

SELECTED INDIAN TANNED

Nos.	Per 100 Feet	Laces Width, in Inches	For Belts Pkg. Width, In.	Wgt. Per Pkg., Lbs.
AB H 1/4	\$1.50	1/4	Up to 3	1 1/4
AB H 5/16	1.75	5/16	3 to 5	1 1/2
AB H 3/8	2.25	3/8	3 to 5	1 3/4
AB H 1/2	3.15	1/2	8 to 14	2 1/2
AB H 5/8	3.95	5/8	Over 14	2 3/4
AB H 3/4	4.25	3/4	Over 14	3

COCHECO—RAWHIDE

AB HR 3/8	2.25	3/8	25	3 to 5	1 3/4
AB HR 1/2	3.15	1/2	17	8 to 14	2 1/2

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

BELT DRESSING

FOR LEATHER, CANVAS AND RUBBER BELTING

Keeps belts soft and pliable and does not contain anything that will clog, harden or injure the belt.



DIXON'S
ABD—1-lb. stick in carton 8 1/2 inches long, 2 1/4 inches in diameter.....Each \$0.60

ABB—1-lb. stick in carton 11 3/4 inches long 2 inches in diameter.....Each \$0.33



Twenty-five sticks in a case; weight per case 30 lbs.



BLAXTICK

Blaxtlick is effective on belting of all kinds. It does not contain rosin, oil or other injurious substances. Will not crack or clog surface of belt. Also a protection against acid or other destructive fumes.

One-pound stick in cardboard covering.
Length stick 8 1/2 inches, diameter 2 inches.

AB BD20—Weight per dozen 12 1/2 lbs.....Each \$0.20

One dozen in a carton.

V-P



This belt dressing penetrates into the belting and lubricates the fibres, giving them the natural "Hand Grip" without slipping.

It also seals out the moisture, prevents dry rot, cracking and scaling and increases the life of belting. Belts dressed with V-P can be run slack, lessening friction on bearings, increasing power transmission and adding to the production of the machinery.

Easily applied—Being a liquid, it should be applied with an oil gun or pressure oil can while belt is in motion. Does not build up on pulleys or belting nor cause rough-riding of belts.

Can also be used with excellent results on rope, fabric or rubber belting.

One-Gallon Wood Jacket Can

AB VPG—Weight per can 10 lbs.....Each \$3.65



LIQUID—BOYER

An excellent, moderately priced dressing and preservative for canvas, leather and rubber belts, and rope drives.

Prevents belt slipping and makes them pull.

Nos.	Per Can	Size, Can	No. Cans In Carton	Wt. Per Carton, Lbs.
AB 74P	\$0.37	Pint	6	8 1/2
AB 74Q	.65	Quart	12	29 1/2

SHEET PACKING

ASBESTOS—WIRE INSERTED

The most durable and efficient packing for cylinder head joints on gas or gasoline engines.



Pliable, compressible and easily cut. Graphited on one side. Ready for immediate application.

Made of especially prepared asbestos yarn, with fine brass wire inserted, woven in a very dense, firm cloth, possessing great strength. Is thoroughly saturated with a special heat-resisting composition.

AB 4101—Thickness $\frac{1}{32}$ -inch. Very fine, closely woven, with warp running the same in both directions; weight 5 lbs. to a piece 40 inches wide by 36 inches long.....Per Lb. \$0.89

AB 5101—Thickness $\frac{1}{16}$ -inch; coarse, heavy woven, with warp running diagonally; weight 5½ lbs. to a piece 40 inches wide by 36 inches longPer Lb. \$0.79

In continuous rolls any length; standard width 40 inches.



REPUBLIC'S TOWER BRAND

Rubber sheet for general service, such as gaskets and port hole packing.

#AB F601—IN SHEETS 3x12½ FEET

Thickness, Inches	Per Lb.	Weight Per Sheet, Lbs.
# $\frac{1}{16}$	\$0.85	21
# $\frac{3}{32}$	.77	32
# $\frac{1}{8}$	.63	42
# $\frac{3}{16}$	.60	63
# $\frac{1}{4}$	.57	84

Note—Above costs are for full sheets (3x12½ feet) only. For less than full sheets add 10% to cost price.

Note—When ordering be sure to give number and thickness.

RUBBER PACKING



Weight 6¼ lbs. per square yard to $\frac{1}{16}$ -inch thickness.

36 Inches Wide

For steam, air or water joints. Makes a perfect joint, and is economical. Expansion and super-heated steam joints do not affect or shorten its term of service—a saving to the user. Made from a red rubber compound.

No. AB R36—RED SHEET PACKING

	Per Lb.
$\frac{1}{16}$ inch thick	\$0.35
$\frac{1}{8}$ inch thick	.35
$\frac{3}{16}$ inch thick	.35

Note—When ordering be sure to give number and thickness.

In rolls of about 100 lbs.

VALVE STEM PACKING

TWISTED GRAPHITED ASBESTOS



Made of long fibre asbestos yarn, twisted and thoroughly lubricated.

Diameter, inch
 $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$ and $\frac{3}{8}$

AB 1102—In 1-lb. spools.....Per Spool \$0.70

AB 1102/14—In $\frac{1}{4}$ -lb. spools.....Per Spool .25

Note—When ordering, please specify diameter desired. One spool in a carton.

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory. Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

ASBESTOS PACKING

Compressed

DURACO



Will not shrink, char, burn or blow out—pliable and resilient. Adapts itself to every condition.

For gasoline engines, automobile motor and carburetor gaskets; steam, ammonia, oils, acids, hot or cold water. Will stand 1200 degrees Fahrenheit, or 250 lbs. of steam pressure.

Fibre asbestos, bonded with heat, water and chemical resisting compound.

IN SHEETS 50x50 INCHES

AB 133— $\frac{1}{32}$ -inch thick. Very fine. Weight per sheet 5 lbs.....Per Lb. \$0.60

AB 117— $\frac{1}{16}$ -inch thick. Coarse. Weight per sheet 10 lbs.....Per Lb. \$0.60

REPUBLIC



Compressed asbestos sheet, recommended for superheated steam up to 600 lbs.

In sheets—40x40 inches, 40x120 inches, 50x50 inches, 50x150 inches, 60x60 inches, and 60x120 inches.

Specify Kind (Plain or Graphited), Thickness and Size Sheet Wanted

#No. AB AP—PLAIN

Thickness, inch	# $\frac{1}{32}$	# $\frac{1}{16}$	# $\frac{1}{8}$	# $\frac{1}{4}$
Per Lb.	\$0.60	.60	.60	.60

#No. AP AG—GRAPHITED

Graphited on one side for immediate use.

Thickness, inch	# $\frac{1}{32}$	# $\frac{1}{16}$	# $\frac{1}{8}$	# $\frac{1}{4}$
Per Lb.	\$0.60	.60	.60	.60

Packing—bulk.

ASBESTOS WICK PACKING

No. AB WP—IN BALLS



Pounds in a Ball	$\frac{1}{4}$	$\frac{1}{2}$	1
Per Ball	\$0.15	.25	.45

25 and 50-lb. boxes.

COTTON WASTE

MACHINED—WHITE

Best Grade

Nos.	Weight of bale, lbs.	Per Pound	AB 150
	50		\$0.16

Medium Grade

Nos.	Weight of bale, lbs.	Per Pound	AB 250
	50		.14

Regular Grade

Nos.	Weight of bale, lbs.	Per Pound	AB 350
	50		.13

COLORED

Nos.	Per Lb.	Weight of Bale, Lbs.
AB 550	\$0.11	50
AB 5100	.11	100

Always sold by gross weight of bale.

CLEAN WHITE WASTE, IN CANVAS BAGS



Nos.	Per Bag	Lbs.
AB 110	\$1.65	10
AB 125	3.45	25

DIRECTIONS FOR RIGGING HAY CARRIERS



DIRECTIONS FOR REVERSING ALL NEY SWIVEL CARRIERS

Pull carrier to trip block or bumper, letting fork pulley drop out of carrier. Take draft rope out of pulley at end of barn. While standing on floor beneath carrier, give rope a little slack from hand to carrier and give it a circular throw to obtain half turn in swivel. Rethread pulleys in end of barn in which you wish to operate, then the carrier is ready.

Before pulling draft rope out of pulleys, tie a small rope to the end of it so that small rope will remain through pulleys for pulling draft rope through them when again reversing.

DIRECTIONS FOR PUTTING UP TRACK

Attach track to every rafter by means of track eyes and rafter irons. Attach trip block directly over unloading place. To prevent carrier from running off track, bolt carrier stop or pulley fastener to end of track. Tie a rope at this point from one rafter to the other, letting rope hang 4 or 5 inches under track, or nail a board to rafters close to track.

MATERIAL REQUIRED FOR A STEEL TRACK OUTFIT FOR DIFFERENT LENGTH BARN

Center Drive

For 50-Foot Barn—One Carrier, 50 feet Steel Track, 25 Track Eyes, 25 Rafter Brackets, 5 Pulleys, 6 Floor Hooks, 130 feet $\frac{3}{4}$ -inch Manila Rope, 55 feet $\frac{3}{8}$ -inch Check Rope, 50 feet $\frac{3}{8}$ -inch Reverse Rope.

For 60-Foot Barn—One Carrier, 60 feet Steel Track, 31 Track Eyes, 31 Rafter Brackets, 5 Pulleys, 6 Floor Hooks, 160 feet $\frac{3}{4}$ -inch Manila Rope, 60 feet $\frac{3}{8}$ -inch Check Rope, 60 feet $\frac{3}{8}$ -inch Reverse Rope.

For 80-Foot Barn—One Carrier, 74 feet Track, 37 Track Eyes, 37 Rafter Brackets, 4 Pulleys, 6 Floor Hooks, 200 feet $\frac{3}{4}$ -inch Manila Rope, 70 feet $\frac{3}{8}$ -inch Check Rope, 80 feet $\frac{3}{8}$ -inch Reverse Rope.

If required to take hay in at end of barn and have rope pass down at far end of horse, same amount of draft rope. If draft rope be returned to same end of barn and then down, requires about one-fourth more of draft rope.

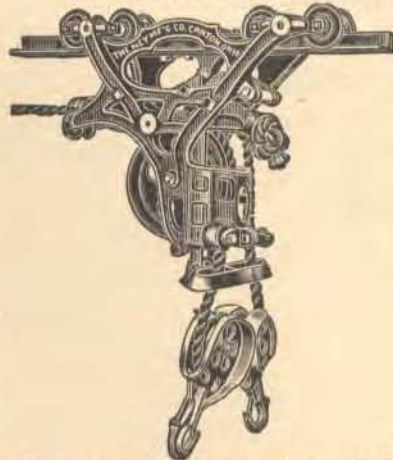
See Our Complete Line
of
Forks, Hoes, Shovels, Rakes
and Other
Farming Implements

HAY CARRIERS NEY

Cut Haying Time — Save Dollars

- For heavy usage—strong frame and parts made of improved malleable iron with certified average tensile strength of 27 tons to square inch—33% stronger than cast iron. Track wheels and sheaves made of best grade cast iron. Aluminum finish resists rust.
- Genuine Ney products guarantee satisfaction in material, workmanship and operation.

ONE-WAY RIGHT-ANGLE LIFT SLING CARRIERS Rope and Cables Not Included.



FOR ROPE

For one or two forks or slings. Operates from end of barn.

Eight wheels and long wheel base distribute load on track and rafters.

Less rope wear—rope grips are long and straight, automatically adjust themselves to distribute the clamping pressure. Will not cut the rope. ($\frac{3}{4}$ -inch to $\frac{1}{2}$ -inch rope can be used.)

Adjustable to any make of standard steel track. Equipped regularly with one pair of No. 204 Ney sling pulleys and one trip block No. AB 15. If No. AB 15 cannot be used be sure to specify trip block wanted.

Length over all 24 inches. Height including pulleys 30 inches. Wide flanged lifting pulleys. Right angle draft. Nine-inch roller bearing draft wheel. Three-inch track wheels.

With 8 Track Wheels.

AB 156—Weight each 65 lbs.....Each \$25.85

HEAVY-DUTY OPEN THROAT FORK CARRIERS SWIVEL AND REVERSIBLE Rope Not Included.



FOR ROPE

Fills mow closer to roof comb than any other carrier can!

Has lifting pulley pivotally held by its axle hubs—free to swing back into horizontal position, making it possible to drag load over obstructions.

Listed as a fork carrier but well adapted for slings, by use of self-locking sling pulleys with Ney registering head. For any type of barn. Runs on Ney double angle track but is adjustable to fit any other standard make steel track when proper trip block is used. For $\frac{3}{4}$ -inch draft rope (four-strand manila preferred) but will operate with $\frac{1}{2}$ -inch rope. Length over all 21 inches. Height including fork pulley 18 $\frac{1}{2}$ inches. Extra light draft. Seven-inch roller bearing sheaves, 3-inch steel bushed track wheels.

Complete with one No. 138X fork pulley and one No. AB 12 trip block.

AB 276—Weight each 40 lbs.....Each \$15.00

Packing—bulk.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

HAY CARRIERS

NEY

STANDARD OPEN THROAT FORK CARRIERS

Rope Not Included

Stronger and more efficient than other carriers in its class. Malleable iron—painted aluminum—gold bronzed trimmed. All wheels and sheaves revolve on heavy steel turned bushings, reducing friction to a minimum.



FOR ROPE

Swivel and reversible—best used as a fork carrier but may be used as a sling carrier with proper self-locking sling pulleys having Ney No. RH24X registering head. Fork pulley has patented snap hook for safer lifting. Lifting pulleys lock directly on side or frame of carrier—not depending on separate dogs or lugs to hold the load.

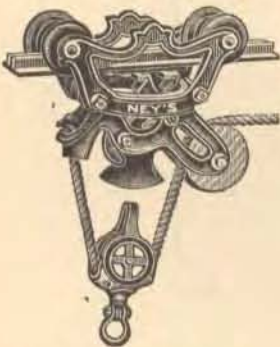
With this carrier the fork can be carried within 7 inches of the track.

Adapted for any standard hay carrier track. Comes with one No. 107X Fork Pulley and one No. AB12 trip block. If No. AB12 cannot be used specify trip block wanted. Length over all 15½ inches. Height 16½ inches. Wide flanged lifting pulleys; 4-inch iron rope sheaves; 3-inch track wheels. No springs. Carry full ½-inch rope.

AB 86—Weight each 26 lbs. Each \$12.00

ADJUSTABLE OLD STYLE FORK CARRIERS

Rope Not Included.



Cut shows lifting or fork pulley on No. AB 6 carrier.

Operates on all standard steel tracks. Preferred by many who know its good, long record. Famous for simplicity, locking mechanism has but two parts. Operated by gravity, no springs. Never fails to give satisfaction.

Swivel and reversible. Made entirely of malleable iron, painted aluminum, gold bronzed trimmed. All track travelers and sheaves revolve on turned steel bushings. Carrier cannot pass the bumper or trip back while in operation. Easily, quickly reversed from the floor. Carry full ½-inch rope.

Complete with pulley No. 403 and No. AB12 trip block. Length of carrier 15 inches. Height over all 22 inches. Thread ¼-inch.

AB 6—Weight each 25 lbs. Each \$12.00

Packing—bulk.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

HAY FORKS

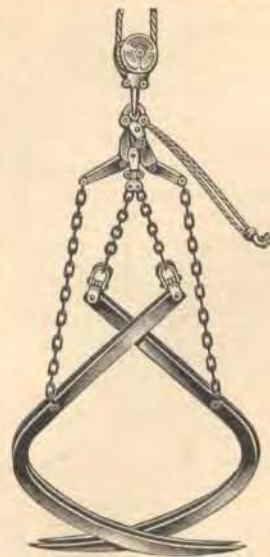
Rope Not Included.

LOUDEN

Unusually wide spread iron claw.

This hay fork takes bigger loads than the largest grapple forks and handles any kind of hay or straw. Lifts clean, does not drop the edges or tear up the loads. Unequalled for unloading short, dry stuff. Serves as well as sling and saves the bother of handling them in the field and at the mow or stack.

Certified malleable iron castings—shock resisting special steel tines, in pairs, with flexible joint. Dependable automatic fork head, with non-wear lock. Load chains heavy electric welded steel for greater strains.



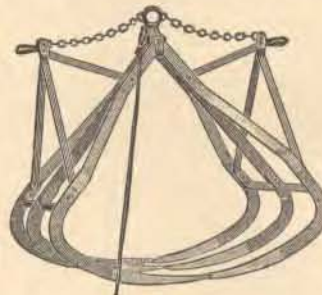
AB 3039—Standard Size for ordinary use. Tines 26 inches long. Spread 6½ feet. Weight each 40 lbs. Each \$12.00

AB 3041—Giant Size. For use where conditions permit handling largest possible fork loads; requires sling mow doors. Tines 32 inches long. Spread 7½ feet. Weight each 45 lbs. Each \$14.00

AUTOMATIC BALANCED GRAPPLE

NEY

- Highest quality spring steel and malleable iron, japanned finish, with points of tines polished.
- Rigid—securely braced to strengthen and prevent spreading of tines.
- Easy to use—grip handle on each side for convenience in setting or placing . . . designed to operate automatically with minimum amount of effort on gravity-balance plan.
- Trip lock and tines connected by coil chains.
- Return to the load in a closed position.

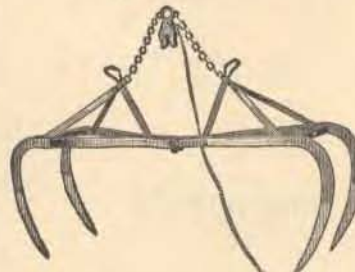


SIX-TINE

Length—open 58 inches, closed 38¼ inches.

Height 37¼ inches, width 19½ inches.

AB 412—Weight each 56 lbs. Each \$12.95



FOUR-TINE

Length — open 58 inches, closed 38¼ inches.

Height 37¼ inches, width 15½ inches.

AB 411 — Weight each 42 lbs. Each \$11.65

Packing—bulk.

HAY FORKS

NEY

ALFALFA DOUBLE HARPOON SPEAR POINT



For unloading alfalfa or any extra heavy duty. High grade steel and malleable iron—finished in black japan with points lacquered.

Head 23¼ inches wide. Welded ring 2 inches in diameter. Harpoon points 4 inches long. Malleable iron trip levers 13 inches long. Two center braces riveted to frame 23½ inches wide. Height over all 47 inches. Length of tines, 32 inches. Width over all 27 inches.

AB 318—Weight each 32 lbs. Each \$6.00

DOUBLE HARPOON SPEAR POINT

Rope Not Included



Steel japanned. Head 17 inches wide. Riveted ring 1½ inches in diameter. Harpoon points 3½ inches long. Malleable iron trip levers 10¼ inches long. Two center braces riveted to frame 17 inches wide.

HARRIS DOUBLE HARPOON

Nos.	Each	Height Length		Width		Wt. Each, Lbs.
		Over All, In.	of Tines, In.	Over All, In.	Each, Lbs.	
AB 313	\$3.00	36½	24	19½	18	
AB 315	3.25	41½	29¼	19½	20	



NELLIS PATTERN—SINGLE HARPOON

Very satisfactory, especially for long, heavy timothy hay. Sets with one spring steel lock lever and locks either open or closed. Painted black, trimmed in gold bronze. Length over all, closed, 32 inches; open, 36 inches.

AB 319—Weight each 11 lbs. Each \$5.50

Packing—bulk.

HAY SLINGS

NEY'S END TRIP CHAIN



Easy to handle and adjustable to any size rack. Lock can be hooked into any chain link desired and the chain will not kink or tangle.

No. 3/0 brown pattern bright finish chain, with malleable iron attachments. Complete with three chains each 19½ feet long.

AB 27C—Weight each 12 lbs. Each \$1.89

Packing—bulk.

HAY SLINGS

ROPE—HARDWARE MANILA

Made from two ½-inch ropes. Adjustable for 16 to 20 foot racks. Rope eyes are firmly attached and will not pull off rope. All attachments are malleable iron.

AB 21X—Made from two ½-inch ropes.

Weight each 3½ lbs. Each \$1.49

AB 23X—Made from three ½-inch ropes.

Weight each 5½ lbs. Each 1.98

One in a carton.



ROPE HITCHES

NEY



Saves time and trouble in taking up and letting out rope. Does away with the untieing of hard knots and wasting of rope by cutting knots.

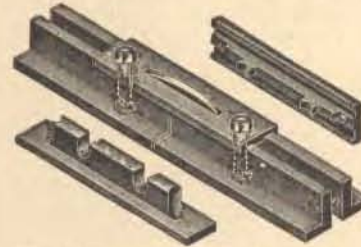
Unbreakable malleable iron, japanned swivel. Length 8 inches.

AB 158—Weight per dozen 20 lbs. Each \$0.49

Packing—bulk.

HAY CARRIER TRACK

NEY



Construction prevents the track wheels from striking hangers or splices. Double angle steel track is 2 inches wide on the tread.

In 6, 8, and 12 foot lengths. Complete with splices or couplings. Weight of splice 1 lb.

AB 6—Weight per foot 2 lbs. Per Foot \$0.25

Packing—bulk.

TRACK HANGING HOOKS

NEY

Plain malleable iron. Keeps track angles properly spaced under heavy loads.



Double angle track eye. Can be used on track at any point. For No. AB 6 double track. Length 5¼ inches.

AB 601—Weight per dozen 4 lbs. Each \$0.20



With open eye. Length 5½ inches.

AB 604—Weight per dozen 5 lbs. Each \$0.20

Packing—bulk.

FLOOR HOOKS



Plain wrought steel floor hooks for use with hay fork pulleys. Diameter rod ⅝-inch. Length over all 7½ inches. Length of screw 3½ inches.

AB 1—Weight per dozen 8½ lbs. Each \$0.15

Packing—bulk.

RAFTER BRACKETS

Stamped Steel



Used in connection with hanging hooks for putting up either wood or iron track. Natural finish. Length over all 7 inches.

AB 436—Weight per dozen 4 lbs. Each \$0.05

Packing—bulk.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

BUMPERS

NEY

Malleable iron for strength and long wear.



Double bead. For Louden and Porter 2-inch track.

AB 16—Weight each
12 lbs.Each \$0.95

Packing—bulk.

TRIP OR BUMPER

NEY



Plain malleable iron. For 2-inch double angle steel track No. AB 6. For No. 150 Hay carrier.

AB 8—Weight per dozen 18 lbs.....Each \$0.95

Packing—bulk.



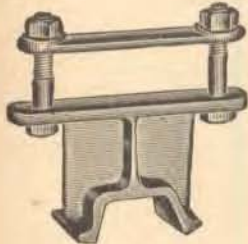
For Meyers, Janesville, Hudson and Strickler 2 1/2-inch track.

AB 17—Weight each
16 lbs.Each \$0.95

Packing—bulk.

TRIP BLOCKS

NEY

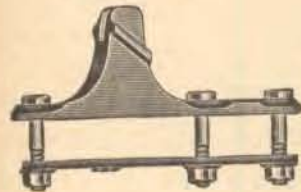


Plain malleable iron—dependable and tough.

For Ney, Olson, Law Goshen, Rochester and Ricker track.

For Hay Carriers Nos. AB 6, AB 86, 176, 177, AB 276 and 277.

AB 12—Weight per
dozen 15 lbs.....Each \$0.75



For Ney, Olson, Law Goshen, Rochester and Ricker track.

For hay carriers Nos. 151, AB 156 and 157.

AB 15—Weight per
dozen 18 lbs...Each \$0.95

Packing—bulk.

HAY RACK BRACKETS AND CLAMPS

WENZELMAN PATTERN



These clamps, diagonally astride timbers, brace them and prevent splitting. They mean less cutting and fitting of timbers. Sills will not be weakened by bolt holes and timbers will not have edgewise holes through them.

Set consists of 8 high quality steel clamps with nuts, 8 flanged malleable iron center brackets, and round steel one-piece clamp. Inside width 2 1/4 inches. With stamped steel top and bottom washer plates.

3/4-INCH ROUND STEEL

Nos.	Per Set	Length, Inches	Wt. Per Dozen Sets, Lbs.
AB 1	\$1.35	14	135
AB 2	1.49	16	147

One set in a wood box.

HAY FORK PULLEYS

NEY'S KNOT PASSING



Hardwood wheel 1 1/2 inches thick, diameter 6 inches. Heavy cast iron japanned frame 3 3/4 inches wide. Height over all 11 1/2 inches. Sheave revolves on self-oiling hollow pin.

AB 122—Weight per dozen 40 lbs. Each \$1.00



High grade cast iron frame, with malleable iron swivel eye. Oil finish hard maple sheave 6x1 3/4 inches, on 1-inch hollow cast iron pin. Over all size 11x6x3 3/4 inches. All metal parts black japanned.

AB 106—Weight per dozen
48 lbs.....Each \$0.95



Steel frame, japanned. Hardwood wheel 1 1/2 inches thick, diameter 6 inches. Extreme width 3 3/4 inches. Height over all 11 inches. Wheel revolves on cast iron pin 3/4x2 1/2 inches.

AB H110—Weight per dozen
36 lbs.Each \$0.65

NEY'S REED PATTERN



Wood frame pulley. Hardwood wheel 1 1/2 inches thick, diameter 4 3/4 inches. Wood frame, riveted, 3 3/4 inches wide. Steel strap.

AB 111—Weight per dozen
35 lbs.....Each \$0.95



NEY'S SELF-OILING PULLEY

Hardwood wheel 1 1/2 inches thick, diameter 6 inches. Cast iron frame 2 1/2 inches wide. Height over all 10 inches. Wheel revolves on 1 1/4-inch hollow pin.

AB 114—Weight per dozen
38 lbs.....Each \$0.79



STANDARD

Japanned cast iron frame. Cast iron wheel 1 1/2 inches thick, diameter 5 inches. Shell 2 1/2 inches wide. Height over all 8 1/2 inches. Wheel revolves on 3/4-inch pin.

AB 115—Weight per dozen
40 lbs.....Each \$0.39

Packed in barrels.

HAY FORK PULLEY SHEAVES

WOOD SHEAVES ONLY



Hardwood, yellow stained. Diameter 6 inches, thickness 1 3/4 inches.

AB 609—Weight per dozen
13 lbs.....Each \$0.39

Packed in barrels.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

HAY KNIVES

SIMMONS



STRAIGHT OR HEATH'S PATTERN

Heavy wrought steel plate, with three V-shaped beveled forged steel blades riveted on. Heavy wrought iron step and strap riveted to handle. Head secured by three rivets through handle and strap. Natural finish white ash handle with pressed steel D and black wood grip. Length over all 39 1/4 inches, width head 9 inches.

AB S1 1/2—Weight per dozen 62 lbs.....Each \$1.95

One-half dozen in a box.

EXTRA SECTIONS FOR HEATH'S PATTERN UPRIGHT HAY KNIVES

AB HS—Weight per dozen 6 lbs.....Each \$0.25

Packing—bulk

SERRATED SICKLE EDGE



These knives will cut loose or packed hay, straw and pea-vines for feed, either from stack, mow or bale faster and with

less labor than other knives.

The handles are adjustable to any desired angle, for either right or left-hand operation. They are offset to prevent injury to operator's hands from stack. Grip on front handle is adjustable and gives knife same leverage at all angles.

Malleable iron ridged back frame, with four-section serrated sickle edge blade riveted on. Frame and blade aluminum finish. Heavy malleable iron black japanned handle shanks, with 4 1/4-inch natural finish wood grips secured by large bolt and nut. Length cutting edge 19 inches. Length frame 29 1/2 inches. Length over all 32 inches.

AB S2—Weight per dozen 74 lbs.....Each \$2.19

One-half dozen in a box.

EXTRA SECTIONS FOR No. AB S2 HAY KNIVES

Nos.	Each	Point Section	Middle Section
AB PS	\$0.50		
AB MS	.25		

Packing—bulk.



STANDARD, SICKLE EDGE

Malleable iron frame, ridged back painted dark green. Adjustable locking, japanned handle piece, with two 4-inch hardwood grips bolted on. Four-section steel, sickle edge, cutting blades riveted on. Length of cut 19 inches. Length over all 37 1/2 inches.

AB S1—Weight per dozen 74 lbs.....Each \$2.19

One-half dozen in a wood box.

EXTRA SECTIONS FOR No. AB S1 HAY KNIVES

Nos.	Each	Point Section	Middle Section
AB P	\$0.50		
AB M	.39		

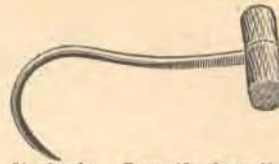
Weight each 5 1/2 ounces.

Packing—bulk.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

HAY HOOKS

KLICKER



Forged from steel, tempered and natural finish. Hardwood handle. Shank extends through handle and is riveted at top with washer. Flush rivet head. Diameter hook

3/8 inch. Length handle 5 3/8 inches. Length over all 9 1/4 inches.

AB 21K—Weight per dozen 6 lbs.....Each \$0.2

One-half dozen in a carton.



Forged from tool steel, natural finish and tempered. Black finish hardwood handle. Shank extends through handle, and is riveted at top with washer. Diameter hook

3/8 inch. Length handle 5 1/2 inches. Length over all 11 1/2 inches.

AB 22—Weight per dozen 9 lbs.....Each \$0.3

Packing—bulk.

COTTON OR BOX HOOKS

KLICKER



Forged steel, tempered and polished. Natural finish hardwood handle. Shank extends through handle and is riveted at top with washer; flush rivet head. Diameter hook 3/8 inch.

Length handle 5 inches. Length over all 8 inches.

AB 10K—Weight per dozen 6 lbs.....Each \$0.2



These all-steel, loop handle box hooks have the added advantage over regular cross bar type in that they can be used while wearing mittens. All steel, natural finish. Diameter steel 7/8 inch. Loop 2 1/4 x 4 1/2 inches inside. Length

over all 11 inches.

AB 286—Weight per dozen 12 lbs.....Each \$0.4

Packing—bulk.

SCALE BEAMS



WITH TWO POISES

Steel beam. Hardened pivots and bearings. Hangers and pivots properly arranged to prevent binding. Complete with two cast-iron poises and steel hooks. Beam and poises painted black; white lettering.

Nos.	Each	Capacity, Lbs.	Weight, Complete Lbs.
AB 200	\$2.15	200	9
AB 300	3.75	300	16

Six in a case, with poises.

SCALE WEIGHTS



For Platform Scales

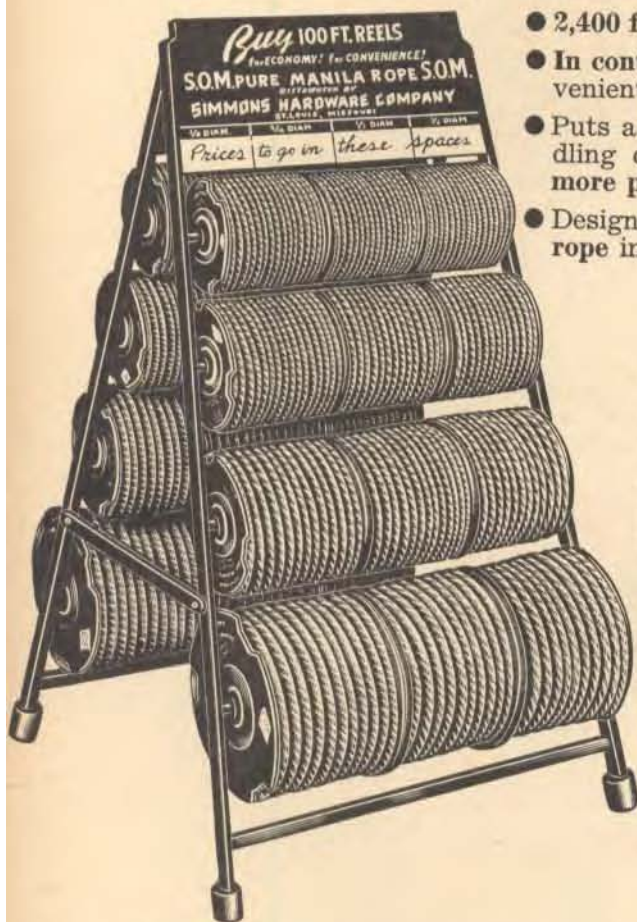
Japanned cast iron. Tested.

Nos.	Each	Weight, Each, Lbs.
AB P50	\$0.65	50
AB P100	.75	100
AB P200	1.15	200

Packing—bulk.

Now! SIMMONS Orange Marked Manila Rope

on the new "Rope Retailer"



- 2,400 feet of rope in less than 4 square feet of floor space!
- In continuous 100-foot reels that are economical and conveniently "packaged" to fill a tested consumer demand.
- Puts a famous rope on display and results in lower handling costs and larger profits by selling more rope to more people.
- Designed for the best, easiest and quickest handling of rope in the modern hardware store.

The beauty of this efficient "rope retailer" is that it contains the favorite, fast-selling **SIMMONS Orange Marked Pure Manila Rope** in the four most popular sizes.

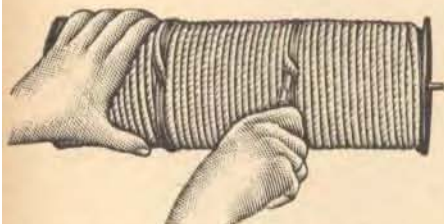
This is a strong, durable, pure manila rope of exceptionally good color and appearance. It is water-resistant, rot-proofed, will not freeze and will give excellent service. It is pliable and easy to handle, wet or dry.

With this handy reel and stand arrangement you can keep the rope clean and attractively displayed.

Deal consists of 2,400 feet of rope on the new 100-foot reels plus free display stand.

Stand is strong, all-metal construction with durable lacquered finish. Space for prices to be clearly displayed. Compact!

WHY THE "ROPE RETAILER" MAKES ROPE EASY TO HANDLE



1. A single knife stroke cuts rope and separates reels, giving you either 100-foot or 200-foot "package".
2. The 300 feet of rope in three continuous 100-foot reels may be sold as a compact basic unit.
3. Any cut length may be unreeled from end unit without affecting other 100-foot reels.
4. If cut length is made at one end, 100-foot unit may be removed from opposite end, leaving center reel intact.

CY SOM/R—Deal. Includes six 100-foot reels of rope, three connected, in each of the following sizes: $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$ and $\frac{1}{2}$ inch in diameter. Total weight of fully loaded stand—not over 115 lbs.

REFILLS—600 FEET PER CARTON

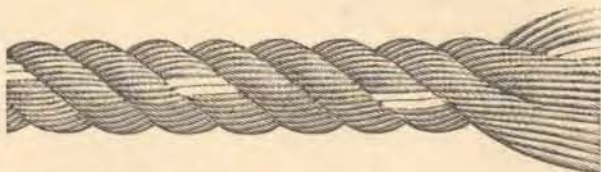
Nos.	Per 100 Ft. Coil	Diameter, Inch	Weight Per Carton, Lbs.
CY 600 $\frac{1}{4}$	\$0.65	$\frac{1}{4}$	12 $\frac{1}{2}$
CY 600 $\frac{5}{16}$	.89	$\frac{5}{16}$	17 $\frac{1}{2}$
CY 600 $\frac{3}{8}$	1.19	$\frac{3}{8}$	25
CY 600 $\frac{1}{2}$	1.95	$\frac{1}{2}$	45

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

MANILA ROPE

SIMMONS FAMOUS QUALITY-BRANDED ROPE

- Strong, tough pure manila rope for excellent service for all types of jobs.
- Water-resistant, rot-proofed rope that lives up to its quality appearance—will not freeze.
- Easy to handle wet or dry, because it is soft and pliable, yet firm lay.



CB SGM—3-strand

Diameter, inches	1/2	5/8	3/4	7/8	1
Add to base price—per pound	\$0.01	.00 1/2		Base Price	
Per 100 foot	\$2.25	3.89	4.79	6.40	7.85

Pure Manila—Orange and Green Stripe

Equal in quality to any rope made.

Strictly first quality—outstanding for service and quality. Meets the requirements of the Bureau of Standards as to tensile strength, oil and fiber contents. It is light in color.

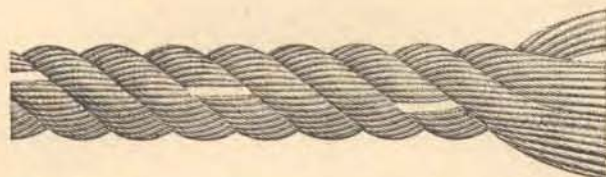
Identified by an orange and green colored yarn appearing on the outside of sizes 5/8 inch and larger, and by an orange and green colored cord running through the center of one strand of smaller sizes.

Pure Manila—Orange Marked

One of America's most popular ropes!

This rope needs no introduction—it is the popular S. O. M. Meets Government specifications for tensile strength and oil content.

Identified by an orange colored cord appearing on outside of sizes 1/2 inch and larger, and by an orange colored cord running through the center of one strand of smaller sizes.



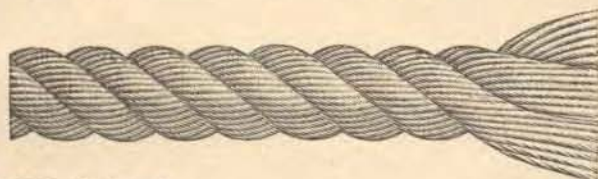
CB SOM—3-strand	3/16	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	13/16	7/8	1	1 1/4
Diameter, inches													
Add to base price—per pound	\$0.05	.04	.03		.01		.00 1/2		Base Price				
Per 100 foot	\$0.45	.55	.67	1.10	1.27	1.79	2.49	2.95	3.75	4.40	4.95	6.00	9.40

CB SOM4—4-strand, without core

Diameter, inches	13/16	7/8
Per pound	Base Price	
Per 100 foot	\$4.95	5.79

CB SOM4/C—4-strand, with center core

Diameter, inches	13/16	7/8
Per pound	Base Price	
Per 100 foot	\$4.95	5.79



CB PM—3-strand

Diameter, inches	# 1/4	5/16	3/8	1/2	5/8	3/4	7/8
Add to base price,—per pound		.04	.03	.01	.00 1/2	Base Price	
Per 100 foot	\$0.55	.78	.98	1.69	2.89	3.69	4.75

Pure Manila—Not Marked

A good grade Manila rope at popular prices. Full tensile strength, but made of slightly coarser fibre. Has no identification marks. Somewhat darker in color than Nos. CB SOM or CB SGM.

Approximate Weight and Strength of New SIMMONS Quality Manila Rope. (Safe Working Load is approximately 20% of Breaking Strain.)

Diam., in.	Length Full Coils	Gr. Wgt. of Full 720 Ft.			Approximate Break, Lbs.	Diam., in.	Length Full Coils	Gr. Wgt. of Full 720 Ft.			Approximate Break, Lbs.
		Lbs.	Half Coils, Lbs.	Foot, Lbs.				Lbs.	Half Coils, Lbs.	Foot, Lbs.	
3/16	3000	45		.015	450	5/8	1200	160	96	.133	4,400
1/4	2750	55		.020	600	3/4	1200	200	120	.167	5,400
5/16	2250	65		.029	1,000	13/16	1200	234	141	.195	6,500
3/8	1620	66		.041	1,350	7/8	1200	270	160	.225	7,700
7/16	1200	70		.0526	1,750	1	1200	324	195	.270	9,000
1/2	1200	90	54	.0750	2,650	1 1/4	1200	502	300	.418	13,500
9/16	1200	125	75	.104	3,450						

4-strand rope is from 5% to 7% heavier than 3-strand rope.

Note to Dealer: We carry in stock the following sizes:

CB SOM—1/8 to 1/4 inch in full coils. 1/2 to 1 1/4 inch in both full coils and half coils.

CB SOM4—1/4 and 3/8 inch in both full coils and half coils.

CB SOM4/C—1/4 and 3/8 inch in both full coils and half coils.

CB PM—1/8 to 3/4 inch in half coils. 1/2 and 3/4 inch in full coils.

Any size rope or any size coil in either of the above grades can be furnished on direct shipment from the factory at the prices given above.

Note: When ordering state number and specify diameter.

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SISAL ROPE

SIMMONS



Evenly spun uniform ropes with good appearance and extra fine quality.

Made from selected fibre of good color and strength.



Illustrations actual size.

SIMMONS LILY WHITE

Pure unoilied white Java sisal, 3 strands.

A special rope made from the highest quality Java sisal fibre obtainable, white in color, lustrous and smooth in appearance, and having greater strength than ordinary sisal ropes. This is the best sisal rope that can be made. Sometimes referred to as bolt rope.

Nos.	Per 100 Ft.	Diameter, Inch	Add to Base, Per Lb.
CB SLW ³ / ₁₆	\$0.33	³ / ₁₆	\$0.04
CB SLW ¹ / ₄	.43	¹ / ₄	.03
CB SLW ⁵ / ₁₆	.59	⁵ / ₁₆	.03
CB SLW ³ / ₈	.89	³ / ₈	.02
CB SLW ⁷ / ₁₆	.98	⁷ / ₁₆	.01
CB SLW ¹ / ₂	1.59	¹ / ₂	.01
CB SLW ⁹ / ₁₆	2.19	⁹ / ₁₆	.01
CB SLW ³ / ₄	3.09	³ / ₄	---

STANDARD SISAL

Three strands. Standard white unoilied sisal rope of superior quality at popular prices.

Nos.	Per 100 Ft.	Diameter, Inch	Add to Base, Per Lb.
CB SS ³ / ₁₆	\$0.29	³ / ₁₆	\$0.04
CB SS ¹ / ₄	.39	¹ / ₄	.03
CB SS ⁵ / ₁₆	.54	⁵ / ₁₆	.03
CB SS ³ / ₈	.79	³ / ₈	.02
CB SS ⁷ / ₁₆	.89	⁷ / ₁₆	.01
CB SS ¹ / ₂	1.45	¹ / ₂	.01
CB SS ⁵ / ₈	2.45	⁵ / ₈	.00 ¹ / ₂
CB SS ³ / ₄	2.89	³ / ₄	---

Sisal rope ³/₁₆ to ⁷/₁₆-inch inclusive, furnished in full coils only. ¹/₂-inch and larger both full coils and ¹/₂ coils. Unless otherwise specified, full coils will always be shipped.

LARIAT ROPE

LIGHTNING BRAND YACHT LARIAT



Finest quality. Carefully made of highest grade selected strictly pure long white manila fibre.

Hard laid, evenly twisted, smooth and glossy. Highest tensile strength, this is one of the best and most satisfactory lariat ropes made.

SILK MANILA YACHT LINE

Three Strand

Nos.	Per Lb.	Diameter, In.	Feet, Per Coil
CB LMY ³ / ₈	\$0.89	³ / ₈	2100
CB LMY ³ / ₁₆	.89	⁷ / ₁₆	1400

Four Strand

CB LMY ⁴ / ₈	.89	³ / ₈	2100
CB LMY ⁴ / ₁₆	.89	⁷ / ₁₆	1500

AMERICAN BRAND

Very high quality lariat rope made of No. 1 grade white manila fibre, hard laid, with red and green markers running through entire length of rope. Evenly twisted, smooth running and of high tensile strength—will give long satisfactory service.

MANILA

Three Strand

Nos.	Per Lb.	Diameter, In.	Feet, Per Coil
CB AML ³ / ₈	\$0.45	³ / ₈	2100
CB AML ³ / ₁₆	.45	⁷ / ₁₆	1400

Four Strand

CB AML ⁴ / ₈	.47	³ / ₈	2100
CB AML ⁴ / ₁₆	.47	⁷ / ₁₆	1500

ROYAL BRAND

A good quality, well made, hard laid, long strand white sisal rope of sufficient strength and smoothness to recommend it for lariat uses.

SISAL—UNOILED

Three Strand

Nos.	Per Lb.	Diameter, In.	Feet, Per Coil
CB RSL ³ / ₈	\$0.27	³ / ₈	2100
CB RSL ³ / ₁₆	.27	⁷ / ₁₆	1400

Four Strand

CB RSL ⁴ / ₈	.30	³ / ₈	2100
CB RSL ⁴ / ₁₆	.30	⁷ / ₁₆	1500

SOLD IN FULL COILS (100 LBS.) OR HALF COILS (50 LBS.)

COTTON ROPE



SIMMONS ORANGE MARKED

A good quality standard white cotton thread rope, with distinctive orange color thread running through one strand. Well made, good color, uniform in size. Not filled.

Nos.	Per Lb.	Diam., In.	Strand	Weight Per Tube, Lbs.
CB SOC ⁵ / ₁₆ 3	\$0.27	⁵ / ₁₆	3	35
CB SOC ³ / ₈ 3	.27	³ / ₈	3	37
CB SOC ⁵ / ₁₆ 4	.27	⁵ / ₁₆	4	35
CB SOC ³ / ₈ 4	.27	³ / ₈	4	37

REGAL

Good quality plain cotton rope. Well made, good color and uniform in size. Not filled.

Nos.	Per Lb.	Diam., In.	Strand	Weight Per Tube, Lbs.
CB RC ⁵ / ₁₆ 4	\$0.25	⁵ / ₁₆	4	35
CB RC ³ / ₈ 4	.25	³ / ₈	4	37

Wrapped in paper and burlapped.

SOLD IN FULL COILS ONLY

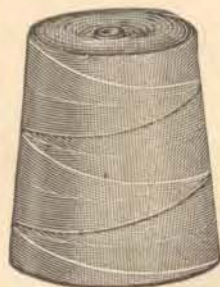
Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

TWINES

Types suitable for various wrapping purposes.

PARCEL POST TWINE

Especially suitable for wrapping parcel post packages. Strong enough for all general household uses. Strong and serviceable—first grade white cotton.



In 2½-Pound Cones
 10-Ply—5000 Feet on a Cone
CB 10PCPer Cone \$0.85
 16-Ply—3000 Feet on a Cone
CB 16PC.....Per Cone \$0.85
 200 lbs. in a case.



An excellent, large ball of twine.
 In 2½-Pound Balls
 10-Ply—1000 Feet in a Ball
CB 10P.....Per Ball \$0.19
 16-Ply—600 Feet in a Ball
CB 16P.....Per Ball \$0.19
 150 lbs. in a case.

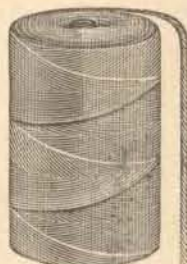
WHITE COTTON TWINE



Fine white cotton.
 In Balls, Six Balls in a Pound
 4-Ply—4800 Feet in a Pound
CB 4.....Per Ball \$0.07
 20 balls, 5 lbs. in a cotton sack.
 100 lbs. in a bale.



In 2½-Pound Cones
 4-Ply—4800 Feet in a Pound
CB 94.....Per Cone \$0.80



In 2-Pound Tubes 4x6 Inches
 4-Ply—3200 Feet in a Pound
CB 64.....Per Cone \$0.60

150 lbs. in a case.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

WRAPPING TWINE

CLOVER

The largest and the best. Excellent for kite twine, household use, fishing line, crochet cord and all general uses.



Ball 2½x2¾ Inches
 Assortment of twelve balls, 210 feet in a ball.
CB 5C—Assortment. Weight per assortment 1 lb.
 Per Ball \$0.05



Ball 2¾x3¼ Inches
 Assortment of twelve balls, 300 feet in a ball.
CB 10C—Assortment. Weight per assortment 1¾ lbs..... Per Ball \$0.10
 Twelve balls in an attractive display carton.

FLOSS TWINE CLOVER

In assorted colors.
 For gift wrapping, kite twine, lunch twine.
 Large balls of 4-ply cotton twine, dyed in assorted bright colors.
 Ball 2½x2¾ Inches
 Assortment of twelve balls, 120 feet in a ball.
CB 5F—Assortment. Weight per assortment ¾ lb.Per Ball \$0.05
 Twelve balls in an attractive display carton.

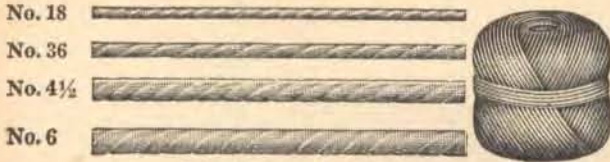


HEMP TWINE CLOVER

Best quality, fine finished India hemp. Looks as large as ordinary ½-pound ball.
 Ball 3x3 Inches
 Assortment of twelve balls, 125 feet in a ball.
CB 10H—Assortment. Weight per assortment 2 lbs.Per Ball \$0.10
 Twelve balls in an attractive display carton.



TWINES



Illustrations Actual Size

POLISHED HEMP

Strong, smooth, uniform twine made of best quality, well polished, selected India hemp.

Twelve Balls in a Package				
Nos.	Per Ball	No. Ft., Per Ball	Wt., Ozs.	Each, Lb.
CB 182	\$0.10	1080	2	----
CB 18Q	.15	1080	----	1/4
Six Balls in a Package				
CB 18H	.25	1080	----	1/2
CB 36H	.25	590	----	1/2
In Bulk				
CB 4 1/2 Q	.10	290	----	1/4
CB 4 1/2 H	.20	290	----	1/2
CB 6	.35	195	----	1

150 lbs. in a bale.

PAPER FLEECE



STANDARD

Fully meets the new specifications of the Wool Growers' Association.

Strong and durable. Made from best quality Kraft papers.

In Two-Pound Tubes

Single ply, 1/8 inch in diameter, 300 feet to a pound.

CB 1 Per Tube \$0.45

50 lbs. in a carton.

SACKING



Illustration Actual Size

For sewing grain sacks. Sail or sacking twine in skeins. Breaking strain 63 pounds.

4-Ply Jute—585 Feet in a Pound

CB 4ST—Weight per bundle 12 lbs. Per Lb. \$0.37

In 12-lb. bundles, 144 lbs. in a bale.

Sold only in full bundles.

VEGETABLE TWINE



A strong, clean pure fibre jute twine, soft and strong, for general wrapping; also for tying up tomato vines, plants, asparagus, grapes, etc.

In 1/2-Lb. Balls

CB 2UJ—2-ply; about 855 feet to a pound. Per Ball \$0.10

150 lbs. in a bale.

WIRE ROPE CLIPS

CROSBY PATTERN



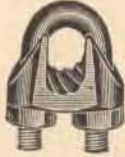
For those who want the ultimate in strength and gripping power.

Extra large selected steel U-bolt with clean, perfect cut threads. Extra heavy, perfect-fitting semi-finished nuts. Finest drop forged base, extra heavy where strain is greatest.

Galvanized (By Hot Dip Process)

Nos.	Each	For Wire Rope, In.	Wt. Each, Lbs.	Std. List, Each
CB GC 1/4	\$0.35	1/4	.25	\$0.35
CB GC 3/8	.40	3/8	.37	.40
CB GC 1/2	.45	1/2	.75	.45
CB GC 5/8	.55	5/8	.87	.55
CB GC 3/4	.65	3/4	1.75	.65
CB GC 7/8	.75	7/8	2.	.75
CB GC 1	.85	1	3.	.85

Packing—bulk.



CINCINNATI PATTERN

Wrought iron, plain black finish. Lower section fluted. Complete with nuts. Light, strong and durable in construction. (Dimensions given are only approximate and subject to a slight variation.)

Plain Black Finish

Nos.	Each	For Wire Rope, In.	Lg., In.	Wd., In.	Std. Pkg.	Wt. Per 100, Lbs.	Std. List, Per 100
CB 30 1/4	\$0.05	1/4	1/2	1 1/4	200	16 1/2	\$ 6.50
CB 30 5/16	.06	5/16	1 1/2	1 3/8	175	18	7.00
CB 30 3/8	.07	3/8	2	1 1/2	200	25	9.70
CB 30 7/16	.12	7/16	2	1 5/8	200	30	12.50
CB 30 1/2	.14	1/2	2 1/2	2 1/8	200	37 1/2	14.50
CB 30 5/8	.16	5/8	2 3/4	2 1/8	125	62	19.00
CB 30 3/4	.24	3/4	3	2 1/4	150	101	27.00

Galvanized

CB G30 1/4	.07	1/4	1/2	1 1/4	200	16 1/2	8.00
CB G30 5/16	.08	5/16	1 1/2	1 3/8	175	18	9.00
CB G30 3/8	.10	3/8	2	1 1/2	200	25	12.00
CB G30 7/16	.15	7/16	2	1 5/8	200	30	15.50
CB G30 1/2	.17	1/2	2 1/2	2 1/8	200	37 1/2	18.50
CB G30 5/8	.20	5/8	2 3/4	2 1/8	125	62	24.50
CB G30 3/4	.29	3/4	3	2 1/4	150	101	35.00

**In
SIMMONS
Cast Iron Ranges,
you find
Superior Quality
at a
Low Price**

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.



WIRE ROPE

Nineteen wires to the strand. Six strands—hemp core.

STANDARD ELEVATOR HOISTING—BRIGHT IRON

For passenger and freight elevators and inside transmission only. The toughest, strongest, longest wearing rope you've ever used! 114 sturdy steel wires in 6 strands—each carefully tempered for strength and flexibility. Lubricated hemp center prevents internal corrosion.

Nos.	Per Foot	Diam., In.	App. Circ. Inches	App. Breaking Strain, Tons	Proper Working Load, Tons	Minimum Dia., Drum or Sheave Inches	Wt. Per Foot, Ozs.	Std. List, Per Foot
# CB IH1	\$0.39	1	3	14.5	2.90	6.6	25 1/4	\$0.26
# CB IH 7/8	.32	7/8	2 3/4	11.8	2.36	5.5	19 1/4	.21
# CB IH 3/4	.27	3/4	2 1/4	8.5	1.70	4.5	14 1/4	.17
# CB IH 5/8	.22	5/8	2	6.	1.20	4	10	.13 1/2
# CB IH 9/16	.19	9/16	1 3/4	4.7	.94	3.5	8	.11 1/2
# CB IH 1/2	.15	1/2	1 1/2	3.9	.78	3.	6 1/4	.09 1/2
# CB IH 7/16	.13	7/16	1 1/4	2.9	.58	2.75	3 1/2	.08 1/2
# CB IH 3/8	.12	3/8	1 1/8	2.4	.48	2.25	2 1/2	.07 1/2
# CB IH 5/16	.11	5/16	1	1.5	.30	2.	1 3/8	.06 3/4
# CB IH 1/4	.10	1/4	3/4	1.1	.22	1.50	-----	.06 1/2

STANDARD HOISTING—CAST STEEL

Particularly adapted for service in mines, derricks, hay presses and inclined planes, cableways, cargo and coal hoists, conveyors and skip hoists.

The wire used in the construction is of the best quality of cast steel, possessing double the strength of iron in the same diameter.

Nos.	Per Foot	Diam., In.	App. Circ. Inches	App. Breaking Strain, Tons	Proper Working Load, Tons	Minimum Dia., Drum or Sheave Inches	Wt. Per Foot, Ozs.	Std. List, Per Foot
# CB CS1	\$0.35	1	3	29.5	5.9	6.6	25 1/4	\$0.31
# CB CS 7/8	.28	7/8	2 3/4	22.8	4.5	5.5	19 1/4	.25
# CB CS 3/4	.23	3/4	2 1/4	16.8	3.3	4.5	14 1/4	.20 1/2
# CB CS 5/8	.18	5/8	2	11.8	2.3	4.	10	.15 3/4
# CB CS 1/2	.13	1/2	1 1/2	7.7	1.9	3.	6 1/4	.12
# CB CS 3/8	.11	3/8	1 1/8	4.5	.9	2.25	3 3/4	.09 1/2
# CB CS 5/16	.10	5/16	1	3.2	.6	2.	2 1/2	.09 1/4
# CB CS 1/4	.09 1/2	1/4	3/4	2.1	.4	1.50	1 3/8	.09

HOISTING; MONITOR STEEL; BRIGHT WIRE

Particularly adapted to use on derricks, dredges, stump pullers, skidders, ballast unloaders, and for logging purposes. Carefully selected, high grade, improved, the most powerful wire rope made. For service where great strength is required it has no equal.

Nos.	Per Foot	Diam., In.	App. Circ. Inches	App. Breaking Strain, Tons	Proper Working Load, Tons	Minimum Dia., Drum or Sheave Inches	Wt. Per Foot, Ozs.	Std. List, Per Foot
# CB MS1	\$0.53	1	3	45.	9.	4	25 1/4	\$0.50
# CB MS 7/8	.42	7/8	2 3/4	35.	7.	3 1/2	19 1/4	.39
# CB MS 3/4	.32	3/4	2 1/4	26.3	5.3	3	14 1/4	.31
# CB MS 5/8	.24	5/8	2	19.	3.8	2 1/2	10	.22 1/2
# CB MS 1/2	.18	1/2	1 1/2	12.1	2.4	2	6 1/4	.17
# CB MS 3/8	.15	3/8	1 1/8	6.75	1.35	1 1/2	3 1/2	.14 1/2
# CB MS 1/4	.14	1/4	3/4	3.15	.63	1	1 3/8	.13

Furnished with wire core at an advance of 15% over above prices.

When ordering state stock number and for what purposes rope is to be used.

The manufacturers are prepared at their works for splicing rope to make endless. Write for prices.

Put up in coils and reels. No extra charge for reels. Can be furnished any length desired. We cannot accept the return of cut lengths of wire rope.

IRON WIRE SASH CORD



Used principally for window weights, bell cords, automobile brakes, whistles and shades.

Consists of six strands, each strand seven wires, and cotton core.

GALVANIZED IRON WIRE

Nos.	Per Ft.	Diam., In.	Breaking Strain, Lbs.	Weight Per 100 Ft., Lbs.	Std. List, Per 100 Ft.
# CB G26	\$0.04 1/2	1/4	2200	10.10	\$4.00
# CB G27	.04	3/16	1800	7.7	3.50
# CB G27 1/2	.03 1/2	1/8	1400	5.6	3.00
# CB G28	.02 1/2	3/16	550	2.5	2.25
# CB G28 1/2	.02 1/4	1/8	320	1.4	2.00
BRIGHT IRON WIRE					
# CB 26	.03	1/4	2200	10.10	3.00
# CB 27	.02 3/4	3/16	1800	7.7	2.75
# CB 27 1/2	.02 1/4	1/8	1400	5.6	2.25
# CB 28	.01 3/4	3/16	550	2.5	1.75
# CB 28 1/2	.01 1/2	1/8	320	1.4	1.50

In reels of 500 and 1000 feet. Also cut lengths.

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

WIRE CABLE



SINGLE GALVANIZED STRAND OR GUY ROD

Seven galvanized fence wires. Twisted.

For guys, single cord, street railways, telephone companies, electric light plants, fencing and such purposes where little tensile strength and no flexibility is needed and an inexpensive substitute for wire rope is desired.

Nos.	Per Ft.	Diam., In.	Breaking Strain, Lbs.	Weight Per 100 Ft., Lbs.	Std. List, Per 100 Ft.
# CB GS 1/2	\$0.06	1/2	8500	51	\$5.50
# CB GS 3/8	.04	3/8	5000	29	3.50
# CB GS 5/16	.02 3/4	5/16	3800	21	2.50
# CB GS 1/4	.02	1/4	2300	12	1.75

SNATCH BLOCKS

STANDARD—WOOD SHELL
FOR MANILA ROPE

Varnished hardwood shell, cross-bolted. Japanned cast-iron single sheave. Japanned head, straps, hinge, and hook or eye.



STANDARD OR DROP LINK PATTERN

With hinged swivel hook

- #CY 385—Iron bushed.
- #CY 385R—Roller bushed.
- #CY 385B—Phosphor bronze bushed.

BALL PATTERN

With loose hook

- #CY 387—Iron bushed.
- #CY 387R—Roller bushed.
- #CY 387B—Phosphor bronze bushed.



Note: When ordering—state number and specify length of shell.

No. CY 385

Dimensions and prices apply to all above numbers.

No. CY 387

Length Shell, Inches	Iron Bushed		Roller Bushed		Phosphor Bronze Bushed		Size Sheave, Inches	For Rope, Inches	Wt. Each, Lbs.
	Each	Std. List, Each	Each	Std. List, Each	Each	Std. List, Each			
6	\$ 3.10	\$ 4.00	\$ 3.60	\$ 4.65	\$ 4.15	\$ 5.25	3 x 1 1/8 x 1/2	7/8	6
7	3.70	4.75	4.25	5.50	4.65	6.00	3 1/2 x 1 1/4 x 1/2	7/8	8 1/2
8	4.49	5.75	5.15	6.60	5.65	7.25	4 1/2 x 1 3/8 x 5/8	1	12
9	5.30	6.75	6.00	7.75	6.60	8.50	5 x 1 3/8 x 5/8	1 1/8	15
10	6.65	8.50	7.85	10.00	8.60	11.00	5 3/4 x 1 7/8 x 3/4	1 1/4	21
12	8.98	10.00	10.30	11.50	12.30	13.00	6 3/4 x 2 1/8 x 3/4	1 1/2	31
14	12.59	13.00	14.45	15.00	15.85	16.50	8 x 2 1/4 x 7/8	1 3/4	44
16	17.65	17.00	20.65	20.00	22.65	22.00	9 x 2 5/8 x 1	2	63
18	30.90	25.00	34.95	28.50	37.95	31.00	10 x 3 x 1	2 1/4	89
20	46.90	38.00	52.85	43.00	56.50	46.00	11 x 3 1/2 x 1 1/4	2 1/2	128
22	67.65	55.00	77.25	63.00	83.25	68.00	11 3/4 x 4 1/4 x 1 1/2	3	165
24	85.85	70.00	98.85	78.00	104.85	86.00	12 1/2 x 4 1/2 x 1 1/2	3 1/2	210
26	109.50	90.00	.....	.....	134.50	110.00	14 x 4 3/4 x 1 3/4	4	250

MALLEABLE IRON SHELL

FOR MANILA ROPE
TAR BOX PATTERN

Plain bushed. Safe—head cannot become unlocked accidentally, the locking device is simple to operate, effective. Hub bearing sheaves reduce friction to a minimum. Strong, extremely well made with malleable iron shell with rounded edges, painted red, and japanned cast-iron plain bushed sheaves.



Block Open

Nos.	CB 401/6	CB 401/8
Lgth. Shell, In.	6	8
Diam. Sheave, In.	3	4 1/2
For Rope Diam., In.	7/8	1
Lgth. Over All, In.	12 1/4	15 1/2
Weight Each, Lbs.	8 1/2	13
Std. List, Each	\$4.50	6.50
Each	4.29	6.35



Block Closed

STEEL SHELL

FOR WIRE ROPE

Japanned steel shell, with steel braces or bolts. Cast-iron japanned single sheave. Wrought-iron straps, link and hinged swivel hook.



- CY 940—Iron bushed.
- CY 940B—Phosphor bronze or metalline bushed, self-lubricating.

Note: When ordering—state number and specify diameter of sheave.

Diam. Sheave, Inches	#CY 940		#CY 940B		For Rope, Ins.	Wt. Each, Lbs.
	Each	Std. List, Each	Each	Std. List, Each		
10	\$11.90	\$16.00	\$13.50	\$18.00	5/8	38
12	13.50	18.00	15.65	21.00	5/8	55
14	17.45	20.00	20.95	24.00	3/4	75
16	27.35	28.00	31.85	33.00	7/8	120
18	50.45	38.00	57.95	44.00	1	170
20	65.65	50.00	75.75	58.00	1 1/4	235

STEEL SHELL

FOR MANILA ROPE

Plain Bushed

Japanned pressed steel shell. Running full length of strap on the side opposite link. Japanned cast-iron plain bushed sheaves, wrought-iron head, straps, link and swivel hook, and steel axle pin.



Nos.	CB 390/7	CB 390/8	CB 391/0
Lgth. Shell, In.	7	8	10
Diam. Sheave, In.	3 1/2	4	5 1/2
For Rope Diam., In.	3/4 to 7/8	1 to 1 1/8	1 1/4 to 1 3/4
Lgth. Over All, In.	11 1/2	14	17
Weight Each, Lbs.	7	10 1/4	19 1/2
Std. List, Each	\$4.75	5.75	8.50
Each	4.25	5.00	7.50

#Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory. Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

TACKLE BLOCKS

REGULAR—IRON STRAPPED FOR MANILA ROPE

Varnished, hardwood shell, riveted together. Japanned, cast iron sheave. Wrought iron straps. Loose hook and becket.



No. CB 26R



No. CB 27R



No. CB 28R

PATENT ROLLER BUSHED SINGLE SHEAVE—ALL WITH BECKETS

Nos.	Each	For			Lgth., Each	Wt. Lbs.	Std. List, Each
		Lgth. Shell, In.	Diam. Shvs., In.	Rope Dia., In.			
CB 26R4	\$1.25	4	2 1/4	1/2	9 1/4	1 1/2	\$1.20
CB 26R5	1.35	5	3	5/8	13	2 3/4	1.25
CB 26R6	1.50	6	3 1/2	3/4	14	4	1.50
CB 26R7	1.75	7	4 1/4	7/8	15	5 1/2	1.70
CB 26R8	2.60	8	4 3/4	1	18 1/2	8 1/4	2.25

DOUBLE SHEAVE—ONE-HALF WITH BECKETS

CB 27R4	\$2.30	4	2 1/4	1/2	9 1/4	2 1/2	\$2.25
CB 27R5	2.40	5	3	5/8	13	4 1/4	2.35
CB 27R6	2.90	6	3 1/2	3/4	14	6 1/2	2.85
CB 27R7	3.50	7	4 1/4	7/8	17	9 1/2	3.35
CB 27R8	4.95	8	4 3/4	1	19	13	4.15

TRIPLE SHEAVE—ONE-THIRD WITH BECKETS

CB 28R4	\$3.25	4	2 1/4	1/2	10	3 1/2	\$3.25
CB 28R6	4.50	6	3 1/2	3/4	15	9 1/2	4.40

PLAIN BUSHED—FOR MANILA ROPE SINGLE SHEAVE—ALL WITH BECKETS

Nos.	Each	For			Lgth., Each	Wt. Lbs.	Std. List, Each
		Lgth. Shell, In.	Diam. Shvs., In.	Rope Dia., In.			
CB 26/3	\$0.75	3	1 3/4	3/8	7 1/2	1	\$0.70
CB 26/4	.89	4	2 1/4	1/2	9 1/4	1 1/2	.85
CB 26/5	.95	5	3	5/8	11 1/2	2 1/2	.90
CB 26/6	1.15	6	3 1/2	3/4	13	4	1.10
CB 26/7	1.39	7	4 1/4	7/8	15	5 1/2	1.30
CB 26/8	1.95	8	5	1	19	8 1/2	1.65

DOUBLE SHEAVE—ONE-HALF WITH BECKETS

CB 27/3	1.39	3	1 3/4	5/8	8	1 1/2	1.30
CB 27/4	1.65	4	2 1/4	1/2	10 1/4	2 1/2	1.60
CB 27/5	1.79	5	3	5/8	12 1/2	4 1/4	1.75
CB 27/6	2.10	6	3 1/2	3/4	14	6 1/2	2.00
CB 27/7	2.50	7	4 1/4	7/8	17	9	2.40
CB 27/8	3.40	8	5	1	19	11 1/2	2.85

TRIPLE SHEAVE—ONE-THIRD WITH BECKETS

CB 28/4	2.15	4	2 1/4	1/2	10 1/4	3	2.15
CB 28/5	2.30	5	3	5/8	12 1/2	5 1/2	2.25
CB 28/6	3.00	6	3 1/2	3/4	15 1/2	9	2.90
CB 28/7	3.60	7	4 1/4	7/8	17	11 1/2	3.50
CB 28/8	5.00	8	5	1	19	13	4.25

Packing—bulk.

When ordering—specify number of blocks wanted with becket.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

OVAL STEEL



No. CB 261



No. CB 262



No. CB 263

ANVIL PATTERN FOR MANILA ROPE

Steel hook, shell, pin and strap japanned. Regular mortise. Plain iron bushed, with becket.

SINGLE SHEAVE—PLAIN BUSHED

Nos.	Each	For			Wt. Each, Lbs.	Std. List, Each
		Lgth. Block, In.	Diam. Sh'ves, In.	Rope Diam., In.		
CB 261/3	\$0.55	3	2	3/8	7/8	\$0.70
CB 261/4	.69	4	2 1/4	1/2	1 1/4	.85
CB 261/5	.75	5	2 3/4	5/8	2	.90
CB 261/6	.89	6	3 1/4	3/4	3	1.10
CB 261/7	1.00	7	4 1/4	7/8	4 3/4	1.30
CB 261/8	1.65	8	4 3/4	1	6 3/4	1.65
CB 261/10	2.80	10	6	1 1/4	8	2.75

DOUBLE SHEAVE

CB 262/3	\$1.00	3	2	3/8	1 1/2	\$1.30
CB 262/4	1.25	4	2 1/4	1/2	2	1.60
CB 262/5	1.39	5	2 3/4	5/8	2 3/4	1.75
CB 262/6	1.50	6	3 1/4	3/4	5	2.00
CB 262/7	1.90	7	4 1/4	7/8	7 3/4	2.40
CB 262/8	2.95	8	4 3/4	1	10 1/4	2.85

TRIPLE SHEAVE

CB 263/4	\$1.65	4	2 1/4	1/2	4	\$2.15
CB 263/5	1.85	5	2 3/4	5/8	5	2.25
CB 263/6	2.25	6	3 1/2	3/4	7	2.90
CB 263/7	2.75	7	4 1/4	7/8	11	3.50
CB 263/8	4.35	8	5	1	15	4.25

Packing—bulk.

Polly-Prim

ENAMELWARE

is

Long Wearing,

Easy to Clean

and

Attractive

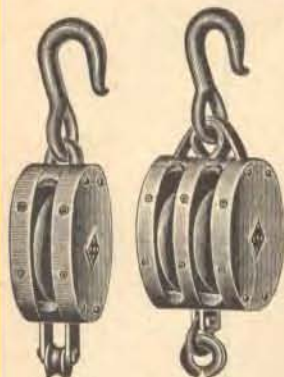
Heavy Thick Mortise Tackle Blocks

FOR MANILA ROPE

Single blocks, all with becketts. Double, one-half with becketts. Triple, one-third with becketts.

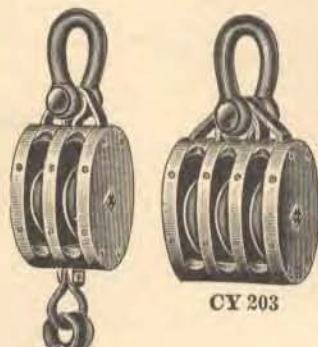
Weights of roller bushed blocks same as corresponding iron bushed.

Varnished hardwood shell, double cross-bolted. Japanned cast iron sheaves, wrought straps, with becketts.



CY 181

CY 182



CY 202

CY 203

WITH EXTRA HEAVY LOOSE SIDE HOOKS AND STRAPS IRON BUSHED

Length Shell, Inches	Size Sheave, Inches	For Rope, Inches	# CY 181 — Single			# CY 182 — Double			# CY 183 — Triple		
			Std. List	Wt. Each, Lbs.	Each	Std. List	Wt. Each, Lbs.	Each	Std. List	Wt. Each, Lbs.	Each
7	4x1 1/8 x 1/2	1	\$ 2.49	\$ 2.25	8	\$ 4.39	\$ 4.00	13	\$ 5.95	\$ 5.50	17
8	4 3/4 x 1 3/8 x 5/8	1 1/8	2.98	2.75	12	4.98	4.50	19	6.98	6.30	26
9	5 1/2 x 1 3/8 x 5/8	1 3/8	3.49	3.15	17	5.85	5.25	25	7.95	7.25	35
10	6 1/4 x 1 1/2 x 3/4	1 1/4	4.49	4.00	20	7.25	6.50	31	9.45	8.50	43
11	7x1 1/2 x 3/4	1 1/4	7.59	5.25	26	11.95	8.50	38	17.95	12.50	62
12	8x1 5/8 x 3/4	1 1/2	7.69	5.25	32	11.95	8.50	45	18.15	12.50	72
13	9x1 3/4 x 3/4	1 1/2	11.59	8.00	42	18.85	13.00	62	24.65	17.00	82
14	9 1/2 x 1 7/8 x 7/8	1 3/4	11.69	8.00	51	18.95	13.00	72	24.75	17.00	96
15	10x1 7/8 x 7/8	1 3/4	13.15	9.00	55	23.85	15.00	80	28.95	20.00	112
16	11x2 1/4 x 1	2	16.79	11.50	67	26.35	18.00	110	40.75	28.00	148

ROLLER BUSHED

Length Shell, Inches	Size Sheave, Inches	For Rope, Inches	# CY 181R — Single			# CY 182R — Double			# CY 183R — Triple		
			Std. List	Wt. Each, Lbs.	Each	Std. List	Wt. Each, Lbs.	Each	Std. List	Wt. Each, Lbs.	Each
7	4x1 1/8 x 1/2	1	\$ 3.29	\$ 3.00	8	\$ 5.95	\$ 5.50	13	\$ 8.45	\$ 7.75	17
8	4 3/4 x 1 3/8 x 5/8	1 1/8	3.85	3.50	12	6.59	6.00	19	9.45	8.55	26
9	5 1/2 x 1 3/8 x 5/8	1 3/8	4.49	4.00	17	7.65	6.95	25	10.80	9.80	35
10	6 1/4 x 1 1/2 x 3/4	1 1/4	5.80	5.25	20	9.89	9.00	31	13.50	12.25	43
11	7x1 1/2 x 3/4	1 1/4	9.39	6.50	26	15.79	11.00	38	23.45	16.25	62
12	8x1 5/8 x 3/4	1 1/2	9.45	6.50	32	15.85	11.00	45	23.50	16.25	72
13	9x1 3/4 x 3/4	1 1/2	13.95	9.75	42	23.75	16.50	62	31.95	22.25	82
14	9 1/2 x 1 7/8 x 7/8	1 3/4	14.15	9.75	51	23.85	16.50	72	32.15	22.25	96
15	10x1 7/8 x 7/8	1 3/4	15.95	11.00	55	27.40	19.00	80	37.50	26.00	112
16	11x2 1/4 x 1	2	19.25	14.00	67	33.30	23.00	110	51.25	35.50	148

WITH EXTRA HEAVY SHACKLES AND STRAPS IRON BUSHED

Length Shell, Inches	Size Sheave, Inches	For Rope, Inches	# CY 201 — Single			# CY 202 — Double			# CY 203 — Triple		
			Std. List	Wt. Each, Lbs.	Each	Std. List	Wt. Each, Lbs.	Each	Std. List	Wt. Each, Lbs.	Each
7	4x1 1/8 x 1/2	1	\$ 2.95	\$ 2.25	8	\$ 5.20	\$ 4.00	13	\$ 7.15	\$ 5.50	17
8	4 3/4 x 1 3/8 x 5/8	1 1/8	3.59	2.75	12	5.90	4.50	19	8.25	6.30	26
9	5 1/2 x 1 3/8 x 5/8	1 3/8	4.19	3.15	17	6.90	5.25	25	9.50	7.25	35
10	6 1/4 x 1 1/2 x 3/4	1 1/4	5.29	4.00	20	8.59	6.50	31	12.20	8.50	43
11	7x1 1/2 x 3/4	1 1/4	8.29	5.25	26	13.45	8.50	38	19.79	12.50	62
12	8x1 5/8 x 3/4	1 1/2	8.39	5.25	32	13.55	8.50	45	19.89	12.50	72
13	9x1 3/4 x 3/4	1 1/2	12.69	8.00	42	20.60	13.00	62	26.89	17.00	82
14	9 1/2 x 1 7/8 x 7/8	1 3/4	12.79	8.00	51	20.70	13.00	72	27.10	17.00	96
15	10x1 7/8 x 7/8	1 3/4	14.35	9.00	55	23.80	15.00	80	31.79	20.00	112
16	11x2 1/4 x 1	2	18.35	11.25	67	28.70	18.00	110	44.50	28.00	148

ROLLER BUSHED

Length Shell, Inches	Size Sheave, Inches	For Rope, Inches	# CY 201R — Single			# CY 202R — Double			# CY 203R — Triple		
			Std. List	Wt. Each, Lbs.	Each	Std. List	Wt. Each, Lbs.	Each	Std. List	Wt. Each, Lbs.	Each
7	4x1 1/8 x 1/2	1	\$ 3.89	\$ 3.00	8	\$ 7.10	\$ 5.50	13	\$ 9.95	\$ 7.75	17
8	4 3/4 x 1 3/8 x 5/8	1 1/8	4.50	3.50	12	7.49	6.00	19	11.15	8.55	26
9	5 1/2 x 1 3/8 x 5/8	1 3/8	5.25	4.00	17	8.95	6.95	25	12.75	9.80	35
10	6 1/4 x 1 1/2 x 3/4	1 1/4	6.85	5.25	20	11.75	9.00	31	15.95	12.25	43
11	7x1 1/2 x 3/4	1 1/4	10.25	6.50	26	17.25	11.00	38	25.50	16.25	62
12	8x1 5/8 x 3/4	1 1/2	10.35	6.50	32	17.35	11.00	45	25.65	16.25	72
13	9x1 3/4 x 3/4	1 1/2	15.35	9.75	42	25.95	16.50	62	26.95	22.25	82
14	9 1/2 x 1 7/8 x 7/8	1 3/4	15.55	9.75	51	26.10	16.50	72	34.95	22.25	96
15	10x1 7/8 x 7/8	1 3/4	17.45	11.00	55	29.95	19.00	80	40.85	26.00	112
16	11x2 1/4 x 1	2	21.95	14.00	67	36.25	23.00	110	55.95	35.50	148

Packing — bulk.

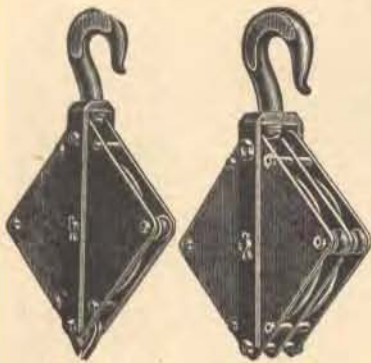
Note: When ordering—specify number of blocks wanted with becketts.

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

Steel Tackle Blocks

FOR WIRE ROPE



CY 641C

CY 642C

Japanned steel shell, with steel braces or bolts. Cast-iron japanned sheaves and supplementary rollers at middle corners. Wrought iron straps, swivel hooks or shackles, and beckets.

Single blocks, all with beckets. Double, one-half with beckets. Triple, one-third with beckets.

Weight of bronze or metaline bushed blocks same as corresponding iron bushed.



CY 651C

CY 652C

WITH SWIVEL HOOKS

IRON BUSHED

Diam. Sheave, Ins.	For Rope, Ins.	# CY 641C—Single		# CY 642C—Double		# CY 643C—Triple	
		Std. List	Wt. Each	Std. List	Wt. Each	Std. List	Wt. Each
10	5/8	\$ 8.75	\$10.00	\$12.95	\$15.00	\$17.45	\$20.00
12	5/8	12.50	12.00	17.75	17.00	23.95	23.00
14	3/4	17.45	14.00	23.80	19.00	32.50	26.00
16	7/8	26.75	21.50	38.65	31.00	45.95	39.50

PHOSPHOR BRONZE OR METALINE SELF-LUBRICATING BUSHED

Diam. Sheave, Ins.	For Rope, Ins.	# CY 641B—Single		# CY 642B—Double		# CY 643B—Triple	
		Std. List	Wt. Each	Std. List	Wt. Each	Std. List	Wt. Each
10	5/8	\$10.25	\$13.00	\$16.45	\$21.00	\$21.95	\$28.00
12	5/8	14.45	15.00	22.25	23.00	29.95	31.00
14	3/4	19.85	17.00	29.35	25.00	40.25	34.00
16	7/8	29.30	25.00	44.45	38.00	58.75	50.00

WITH SHACKLE

Diam. Sheave, Ins.	For Rope, Ins.	# CY 651C—Single		# CY 652C—Double		# CY 653C—Triple		# CY 651B—Single		# CY 652B—Double		# CY 653B—Triple	
		Std. List	Wt. Each	Std. List	Wt. Each	Std. List	Wt. Each	Std. List	Wt. Each	Std. List	Wt. Each	Std. List	Wt. Each
10	5/8	\$ 8.75	\$10.00	\$12.95	\$15.00	\$17.45	\$20.00	\$10.25	\$13.00	\$16.45	\$21.00	\$21.95	\$28.00
12	5/8	12.50	12.00	17.75	17.00	23.95	23.00	14.45	15.00	22.25	23.00	29.95	31.00
14	3/4	17.45	14.00	23.80	19.00	32.50	26.00	19.85	17.00	29.35	25.00	40.25	34.00
16	7/8	26.75	21.50	38.65	31.00	45.95	39.50	29.30	25.00	44.45	38.00	58.75	50.00



CY 741C



CY 742C



CY 743C

DIAMOND PATTERN, EXTRA HEAVY

Japanned steel shell. Separate shell for each sheave, with heavy steel braces or butts or bolts. Cast-iron japanned sheaves, and supplementary rollers at middle corners. Wrought iron straps, swivel-hooks or shackles, and beckets. The center straps in double and triple blocks extend full length of shell, furnishing proper support for center pin in middle of the block. Single blocks, all with beckets. Double, one-half with beckets. Triple, one-third with beckets.

Weights of bronze or metaline bushed blocks same as corresponding iron bushed.

WITH SWIVEL HOOKS

IRON BUSHED

Diam. Sheave, Ins.	For Rope, Ins.	# CY 731C—Single		# CY 732C—DOUBLE		# CY 733C—Triple	
		Std. List	Wt. Each	Std. List	Wt. Each	Std. List	Wt. Each
10	5/8	\$13.25	\$14.00	\$17.65	\$20.00	\$24.75	\$28.00
12	3/4	18.35	16.00	26.45	23.00	35.50	31.00
14	3/4	24.85	18.00	34.65	25.00	49.85	36.00
16	7/8	33.50	31.00	55.35	40.00	63.95	46.00
18	1	47.65	34.50	62.75	45.00	83.50	60.00

PHOSPHOR BRONZE OR METALINE SELF-LUBRICATING BUSHED

Diam. Sheave, Ins.	For Rope, Ins.	# CY 731B—Single		# CY 732B—Double		# CY 733B—Triple	
		Std. List	Wt. Each	Std. List	Wt. Each	Std. List	Wt. Each
10	5/8	\$13.35	\$17.00	\$20.95	\$26.00	\$29.25	\$37.00
12	3/4	19.65	19.00	29.95	29.00	42.50	41.00
14	3/4	26.15	21.00	38.45	31.00	55.85	45.00
16	7/8	44.45	36.00	61.85	50.00	88.95	72.00
18	1	49.65	40.00	69.95	56.00	96.85	78.00

WITH SHACKLE

Diam. Sheave, Ins.	For Rope, Ins.	# CY 741C—Single		# CY 742C—Double		# CY 743C—Triple		# CY 741B—Single		# CY 742B—Double		# CY 743B—Triple	
		Std. List	Wt. Each	Std. List	Wt. Each	Std. List	Wt. Each	Std. List	Wt. Each	Std. List	Wt. Each	Std. List	Wt. Each
10	5/8	\$13.25	\$14.00	\$17.65	\$20.00	\$24.75	\$28.00	\$13.35	\$17.00	\$20.95	\$26.00	\$29.25	\$37.00
12	3/4	18.35	16.00	26.45	23.00	35.50	31.00	19.65	19.00	29.95	29.00	42.50	41.00
14	3/4	24.85	18.00	34.65	25.00	49.85	36.00	26.15	21.00	38.45	31.00	55.85	45.00
16	7/8	33.50	31.00	55.35	40.00	63.95	46.00	44.45	36.00	61.85	50.00	88.95	72.00
18	1	47.65	34.50	62.75	45.00	83.50	60.00	49.65	40.00	69.95	56.00	96.85	78.00

Packing—bulk.

Note: When ordering—state number and specify diameter of sheave. Also specify number of blocks wanted with beckets.

#Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

TACKLE BLOCK SHEAVES

FOR WIRE ROPE BLOCKS



No. CB 1161
Iron Bushed

Extra deep grooved edge to prevent rope from slipping. Japanned cast iron, with perforated body.



No. CB 1173
Phosphor Bronze or Metaline Bushed

Size Sheave, Inches	CB 1161		CB 1173		Thickness For		
	Each	Std. List, Each	Each	Std. List, Each	at Wire Hub, In.	Rope, In.	Wt. Each, Lbs.
3x 1/2 x 3/8	\$0.27	\$0.20	\$0.95	\$0.75	1/2	1/4	1/2
4x 5/8 x 1/2	.55	.40	1.55	1.25	3/4	1/2	1
4x 3/4 x 1/2	.55	.40	1.55	1.25	1 1/8	3/8	1 1/2
5x 7/8 x 5/8	.80	.60	1.65	1.35	1 1/8	3/8, 1/2	2 1/4
6x 1 x 3/4	1.00	.80	1.95	1.50	1	3/8	3
6x 1 x 3/4	1.00	.89	2.20	1.60	1 1/8	3/8	3 1/2
7x 1 x 3/4	1.65	1.30	2.50	2.00	1 1/8	1/2	5
8x 1 x 3/4	1.65	1.30	2.80	2.00	1 1/8	1/2	5 1/2
8x 1 1/4 x 7/8	2.15	1.60	3.65	2.70	1 3/8	5/8, 1/2	7
9x 1 1/4 x 7/8	2.85	2.20	4.25	3.30	1 3/8	5/8	10
10x 1 x 7/8	2.25	1.60	3.45	2.50	1 1/8	1/2	10
10x 1 1/4 x 7/8	2.95	2.20	4.25	3.30	1 3/8	5/8	11
10x 1 1/2 x 1	3.55	2.60	5.15	4.10	1 3/8	5/8	13
12x 1 1/4 x 1	4.40	3.40	5.60	4.40	1 3/8	5/8	13
12x 1 1/2 x 1	4.75	3.50	5.95	4.90	1 5/8	3/4	15
14x 1 1/2 x 1 1/4	6.85	5.30	8.85	6.80	1 5/8	3/4	24
16x 1 1/2 x 1 1/4	8.45	6.30	10.25	8.60	1 3/4	3/4, 7/8	33

When ordering—specify number and size wanted.



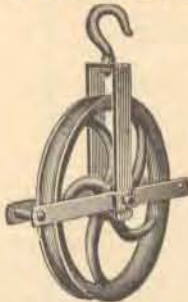
Japanned cast iron with concaved edge to prevent rope slipping.

PLAIN IRON BUSHED FOR MANILA ROPE

Nos.	Each	For Block, Sheave, In.		For Rope, In.	Wt. Per Doz., Lbs.	Std. List, Per Doz.
		In.	In.			
CB 11014	\$0.17	4	2 1/4	1/2	6	\$1.44
CB 11015	.27	5	3	5/8	8	2.40
CB 11016	.39	6	3 1/2	3/4	12	3.00
CB 11017	.45	7	4 1/4	7/8	18	3.60
CB 11018	.59	8	5	1	24	4.20
CB 110110	1.10	10	6 1/4	1 1/8	36	6.60

Packing—bulk.

GIN BLOCKS



SPECIAL LIGHT

Forged steel hook, frame and pin. Gray iron sheave, roller bushed.

Nos.	Each	Diam. Sheave, In.		For Rope, In.	Wt. Each, Lbs.	Std. List, Each
		In.	In.			
# CY 35010	\$3.95	10	7/8 to 1	12	12	\$4.00
# CY 35012	5.35	12	7/8 to 1	14	14	4.40
# CY 35014	6.50	14	1	22	22	6.60

Packing—bulk.

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

TACKLE BLOCK SHEAVES FOR REGULAR ROPE BLOCKS



No. CB 1101

For Manila Rope

Japanned cast iron in spoke pattern, with grooved edge to prevent rope slipping.



No. CB 1102

For Block, Inches	Each	Iron Bushed # CB 1101—Regular		Wt. Each, Lbs.	Std. List, Each
		Size of Sheave, Inches	Wt. Each, Lbs.		
3	\$0.14	1 3/4 x 1 1/2 x 3/8	1/8		\$0.09
4	.17	2 1/4 x 5/8 x 3/8	1/2		.12
5	.27	3 x 3/4 x 3/8	1		.20
6	.39	3 1/2 x 1 x 1/2	1 1/2		.25
7	.45	4 1/2 x 1 x 1/2	1 3/4		.30
8	.59	4 3/4 x 1 1/8 x 5/8	2		.35
10	1.10	6 1/4 x 1 1/4 x 7/8	3		.55
# CB 1111—Thick Mortise					
8	.75	4 3/4 x 1 3/8 x 5/8	2 3/4		.40
10	1.29	6 1/4 x 1 1/2 x 3/4	3 5/8		.65
12	2.15	8 x 1 5/8 x 3/4	6 3/8		1.05
14	2.35	9 1/2 x 1 7/8 x 7/8	11		1.50
16	3.15	11 x 2 1/4 x 1	17 1/2		2.00
Roller Bushed					
# CB 1102—Regular					
3	.45	1 3/4 x 1/2 x 3/8	1/8		.40
4	.49	2 1/4 x 5/8 x 3/8	1/2		.45
5	.65	3 x 3/4 x 3/8	1		.55
6	.75	3 1/2 x 1 x 1/2	1 1/2		.65
7	.89	4 1/2 x 1 x 1/2	1 3/4		.75
8	1.25	4 3/4 x 1 1/8 x 5/8	2		1.00
10	1.65	6 1/4 x 1 1/4 x 7/8	3		1.35
# CB 1112—Thick Mortise					
8	1.45	4 3/4 x 1 3/8 x 5/8	2 3/4		1.15
10	2.39	6 1/4 x 1 1/2 x 3/4	3 5/8		1.60

When ordering—specify number and size wanted.

Packing—bulk.

KEEN KUTTER

QUALITY

Saves You Time,

Effort and Money.

Wright Hand Traveling Cranes

TIMKEN TAPERED ROLLER BEARINGS



SINGLE BEAM CRANE TYPE B-9

Wright hand traveling cranes are built in any desired capacity and to suit any special or exacting specification. They can be furnished in the regular overhead or underhung type, constructed with single or double beam, with the bridge beam set down to save headroom or with it built on top of the end trucks, or, in fact, any way that the building construction might demand. The use of crane wheels that run on T-rails are recommended but cranes can be furnished with wheels to operate on channels, or on the top flanges or the lower flanges, of I-beam track.

Wright hand cranes are constructed with built up structural steel end frames. These trucks are not only lighter and stronger than cast ones, but the chance of breakage due to a defective casting is eliminated. The trucks are rigidly braced to the bridge member, and are thus prevented from working out of alignment, no matter how severe the service.

All truck wheels run on Timken tapered roller bearings (two to a wheel) which are supported on large steel axles securely bolted into the truck frame. The Timken bearing, because of its tapered design, absorbs not only all radial but also all thrust load and allows the crane to be operated along the runways with from 35 to 50 per cent of the effort required for cranes fitted with plain or plain roller bearings.

A squaring shaft of cold rolled steel is geared to one wheel on each end truck and assures uniform travel of both sides of the crane, preventing any tendency to bind. Keyed to this squaring shaft is the handwheel, which is operated by a pendant chain. A loop chain guide prevents the hand chain from ever sagging or leaving the handwheel pockets.



DOUBLE BEAM UNDERHUNG CRANE TYPE B-36

In quoting, it is necessary that we have the weight of the load to be handled; the distance from center to center of the runway track; the distance from the center of the runway track to the wall; the distance from the top of the track to the ceiling, and the height of the track from the floor.



CRANE END TRUCK

End trucks can be furnished separately either with or without squaring shaft, handwheel and pendant chain, so that you may purchase the necessary I-beam locally and fabricate the crane in the shop.

Note—Cranes can be furnished wired for use with Wright electric hoists.

Note—Complete data and price for complete cranes furnished on receipt of specifications indicating crane requirements.

WRIGHT HYATT BEARING TROLLEYS



Wright Hyatt bearing trolleys are constructed with heavy steel side plates and chilled tread wheels, which revolve on Hyatt bearings.

A heavy, cold-rolled steel equalizing pin connects the two halves of the trolley. This not only equalizes the load and takes care of any irregularities of the track, but also permits

the trolley to be adjusted for sizes of I-beam other than standard. It can be easily removed so that the trolley can be placed on the track at any point.

The side plates extend beyond the trolley wheels and act as bumpers. The wheels are supported by heavy steel axles. Although the trolley is of rugged construction, it is extremely flexible and operates smoothly around a very small radius curve.

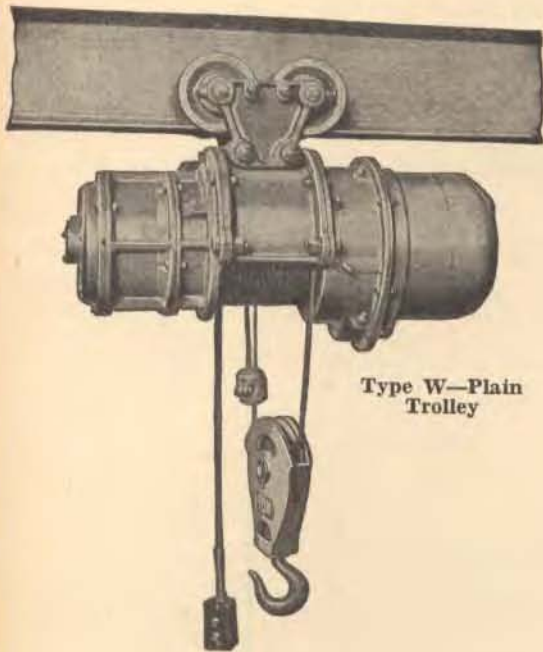
PLAIN—NOT GEARED

Nos.	Std. List, Each	Rated Capacity, in Tons	Adjustable for Standard I-Beams	Smallest Radius Curve, Inches	Diam. of Thread of Wheel, Inches	Net Weight Each, Lbs.
CX 18½	\$30.00	½	5, 6, 7, 8	19	3¾	31
CX 181	35.00	1	6, 7, 8, 9	20	4½	44
CX 181½	45.00	1½	7, 8, 9, 10	29	5½	84
#CX 182	58.00	2	8, 9, 10, 12	35	6¾	107
#CX 183	75.00	3	9, 10, 12, 15	42	7¾	136

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

WRIGHT ELECTRIC HOISTS



Type W—Plain
Trolley

TYPE W

Single construction, low upkeep. Highly recommended for installation where high operating speeds, economical operation and low cost maintenance are first essentials.

FOR SPECIFICATIONS AND
PRICES . . .
SEE FOLLOWING PAGE

OUTSTANDING FEATURES IN DESIGN:

- **Motors**—The motors are especially designed for this type of hoist—dust-proof and weather-proof for both indoor and outdoor service. The windings are heavily impregnated to protect against moisture. Ball bearings reduce friction to a minimum.

Direct current motors are of the series type—two pole, with interpoles for ratings larger than two horse-power. They will start across the line with rheostats when single speed control is used.

Squirrel-cage induction motors (high resistance type) are furnished for single speed hoists to be used with alternating current. They give a maximum starting torque with low starting current—not over $2\frac{1}{2}$ to 3 times the normal full load current. Slip-ring A. C. motors are used for variable speed control.

- **Controls**—Either pendent cord or push button control is furnished for single speed hoists. The control switch carries only current for energizing contactor and not load current. The control contactors for making and breaking the main circuit are of the mechanical interlocking type.

The variable speed controller works in connection with a mechanically interlocked, reversing type contactor for making and breaking the main circuits. The controllers are of the face-plate type and are fully enclosed—a protection against dust and weather. Both A.C. and D.C. controllers are the same type, except for changes due to the different current characteristics.

- **Limit Switch**—The safety type limit switch is weight operated. The hoist will not operate if the limit switch weight becomes disconnected or improperly connected. Should the load block drift excessively after the circuit is opened, the limit switch momentarily establishes a lowering circuit and thus positively prevents the load block from jamming the drum.

- **Tru-Lay Cable**—Tru-Lay is more flexible and outlasts ordinary wire rope for hoists because it is **preformed**. There is no tendency to unstrand and the internal torsional stress is removed. Tru-Lay bends easily and hugs closely to the drums and sheaves with less slipage.

- **Drums**—In order to insure efficient operation and extra long cable life, the drums are at least thirty times the diameter of the Tru-Lay Cable. Machine cut grooves (for the entire lift) prevent the cable from overlapping. The drum flanges are guarded so that the cable cannot wedge between the drum and hoist frame.

- **Safety Type Load Blocks**—The sheaves of the load blocks are completely shrouded to prevent accident.

- **Brakes**—The mechanical brake is adjustable from the outside. The large brake area and low operating pressure insures long life with little wear under severe service conditions. The brake action is positive and unaffected by overload or temperature. The stopping brake is of the motor solenoid type. The brake provides for accurate control and has the same capacity as the mechanical holding brake. It is easily adjustable to suit any control conditions. Special linings insure long life.

- **Materials**—The shafts and gears are made of alloy steel. The motor coupling and connections are of the splined type, insuring a positive drive. The gears and pinions are precision cut (20° stub teeth) from forged steel blanks and heat-treated. Pinions are hardened and ground. The swivel load hooks are of forged steel and will not open to drop the load.

- **Bearings**—Roller bearings are used throughout except for the motors. Friction is reduced to a minimum. The motors are equipped with ball bearings.

WRIGHT ELECTRIC HOISTS

TYPE W—SPECIFICATIONS AND PRICES

Drum parallel to runway beam. Standard lift 18 feet. Two parts single cable. Single speed control pendant ropes.

Alternating Current—110 Volts, 60 Cycles WITHOUT TROLLEY—BOLT SUSPENSION

Nos.	Std. List, Each	Frame	Cap., Lbs.	Hoisting Speed, Net	
				Ft. Min.	Wt. Each, Lbs.
# CX WC01	\$ 278.30	W $\frac{1}{4}$	500	38	165
# CX WC06	338.80	W $\frac{1}{2}$	1,000	35	325
# CX WC12	438.33	W1	2,000	32	425
# CX WC18	597.14	W3	4,000	32	690
# CX WC24	698.78	W3	6,000	32	765

WITHOUT TROLLEY—HOOK SUSPENSION

# CX WC02	\$ 284.35	W $\frac{1}{4}$	500	38	170
# CX WC07	356.95	W $\frac{1}{2}$	1,000	35	340
# CX WC13	457.38	W1	2,000	32	440
# CX WC19	616.20	W3	4,000	32	715
# CX WC25	718.74	W3	6,000	32	790

PLAIN TROLLEY

# CX WC03	\$ 302.50	W $\frac{1}{4}$	500	38	195
# CX WC08	375.10	W $\frac{1}{2}$	1,000	35	380
# CX WC14	482.79	W1	2,000	32	490
# CX WC20	647.95	W3	4,000	32	775
# CX WC26	752.02	W3	6,000	32	850

GEARED TROLLEY

# CX WC15	\$ 508.20	W1	2,000	32	530
# CX WC21	686.07	W3	4,000	32	815
# CX WC27	791.95	W3	6,000	32	890

MOTOR TROLLEY

# CX WC10	\$ 919.60	W $\frac{1}{2}$	1,000	125	810
# CX WC16	1,060.87	W1	2,000	125	980
# CX WC22	1,238.74	W3	4,000	125	1,185
# CX WC28	1,370.93	W3	6,000	125	1,260

Alternating Current—25 Cycle—2 and 3 Phase
220-440-550 Volts

WITHOUT TROLLEY—BOLT SUSPENSION

Nos.	Std. List, Each	Frame	Cap., Lbs.	Hoisting Speed, Net	
				Ft. Min.	Wt. Each, Lbs.
# CX WD01	\$ 278.30	W $\frac{1}{4}$	500	31	165
# CX WD06	338.80	W $\frac{1}{2}$	1,000	28	325
# CX WD12	438.33	W1	2,000	25	425
# CX WD18	597.14	W3	4,000	25	690
# CX WD24	698.78	W3	6,000	25	765

WITHOUT TROLLEY—HOOK SUSPENSION

# CX WD02	\$ 284.35	W $\frac{1}{4}$	500	31	170
# CX WD07	356.95	W $\frac{1}{2}$	1,000	28	340
# CX WD13	457.38	W1	2,000	25	440
# CX WD19	616.20	W3	4,000	25	715
# CX WD25	718.74	W3	6,000	25	790

PLAIN TROLLEY

# CX WD03	\$ 302.50	W $\frac{1}{4}$	500	31	195
# CX WD08	375.10	W $\frac{1}{2}$	1,000	28	380
# CX WD14	482.79	W1	2,000	25	490
# CX WD20	647.95	W3	4,000	25	775
# CX WD26	752.02	W3	6,000	25	850

GEARED TROLLEY

# CX WD15	\$ 508.20	W1	2,000	25	530
# CX WD21	686.07	W3	4,000	25	815
# CX WD27	791.95	W3	6,000	25	890

MOTOR TROLLEY

# CX WD10	\$ 919.60	W $\frac{1}{2}$	1,000	125	810
# CX WD16	1,060.87	W1	2,000	125	980
# CX WD22	1,238.74	W3	4,000	125	1,185
# CX WD28	1,370.93	W3	6,000	125	1,260

Direct Current—115-230 Volts

WITHOUT TROLLEY—BOLT SUSPENSION

Nos.	Std. List, Each	Frame	Cap., Lbs.	Hoisting Speed, Net	
				Ft. Min.	Wt. Each, Lbs.
# CX WB01	\$ 278.30	W $\frac{1}{4}$	500	34	175
# CX WB06	338.80	W $\frac{1}{2}$	1,000	28	340
# CX WB12	438.33	W1	2,000	28	445
# CX WB18	622.55	W3	4,000	28	720
# CX WB24	725.40	W3	6,000	25	795

WITHOUT TROLLEY—HOOK SUSPENSION

# CX WB02	\$ 284.35	W $\frac{1}{4}$	500	34	180
# CX WB07	356.95	W $\frac{1}{2}$	1,000	28	555
# CX WB13	457.38	W1	2,000	28	460
# CX WB19	641.61	W3	4,000	28	745
# CX WB25	745.36	W3	6,000	28	820

PLAIN TROLLEY

# CX WB03	\$ 302.50	W $\frac{1}{4}$	500	34	205
# CX WB08	375.10	W $\frac{1}{2}$	1,000	28	395
# CX WB14	482.79	W1	2,000	28	510
# CX WB20	673.37	W3	4,000	28	805
# CX WB26	778.64	W3	6,000	25	880

GEARED TROLLEY

# CX WB15	\$ 508.20	W1	2,000	28	550
# CX WB21	711.57	W3	4,000	28	845
# CX WB27	818.57	W3	6,000	25	920

MOTOR TROLLEY

# CX WB10	\$ 919.60	W $\frac{1}{2}$	1,000	125	825
# CX WB16	1,060.87	W1	2,000	125	1,000
# CX WB22	1,264.15	W3	4,000	125	1,215
# CX WB28	1,397.55	W3	6,000	125	1,290

MOTOR AND ROPE SPECIFICATIONS

WITHOUT TROLLEY, PLAIN TROLLEY, AND GEARED TROLLEY

Frames	H. P., Hoist		Rope	
	Motor	No.	No.	Size
W $\frac{1}{4}$	$\frac{3}{4}$	2	2	$\frac{1}{16}$
W $\frac{1}{2}$	1 $\frac{1}{2}$	2	2	$\frac{1}{8}$
W1	3	2	2	$\frac{5}{16}$
W3	7 $\frac{1}{2}$	2	2	$\frac{3}{8}$
W3	7 $\frac{1}{2}$	2	2	$\frac{1}{2}$

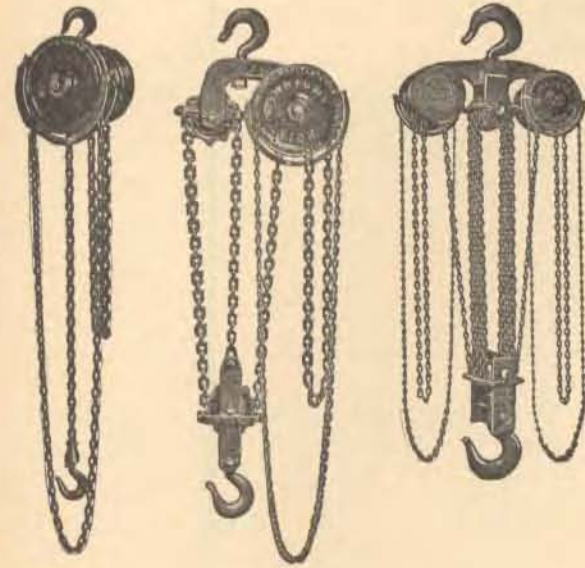
MOTOR TROLLEY

Frames	H. P., Trolley		Rope	
	Motor	No.	No.	Size
W $\frac{1}{2}$	$\frac{1}{4}$	2	2	$\frac{1}{4}$
W1	$\frac{1}{2}$	2	2	$\frac{5}{16}$
W3	1	2	2	$\frac{3}{8}$
W3	1 $\frac{1}{2}$	2	2	$\frac{1}{2}$

For shipping weight, add 15% to 20% to above weights.

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

WRIGHT HIGH SPEED HOISTS



IMPROVED MODEL

Lift heavy loads quickly and easily. Their design, ruggedness and precision of manufacture mean long life—50 to 100 per cent longer life than the ordinary spur-gear hoist.

The Timken tapered roller bearing at the lower swivel hook prevents the load chain from becoming twisted, thus the load chain always rides squarely into the load wheel pockets.

The load chain is of special analysis steel to give great strength and long life. Each link is electrically welded on the side, and is die-formed to assure evenness of pitch.

The new patented load chain guide completely shrouds the upper half of the load sheave—another Wright safety feature which prevents the load chain from ever riding out of the load pockets, a condition that might have serious results. It also protects the load pockets from dust and dirt.

The main driving spindle runs on a ball bearing which greatly reduces wear at this vital point. The hoist is easily oiled—spring covered oil tubes go to all vital parts.

A loop hand chain guide prevents the hand chain from fouling.

All exposed parts, including chain, rustproof zinc coated—making it serviceable in moist or other corrosive atmospheres.

Nos.	Std. List, Each	Extra Lift† Std. List, Per Ft.	Capacity	Reg. Lift, Feet	Test Load, Lbs.	Minimum Dist. Between Hooks, Inches	Reach in Ft. and Inches	Chain Load, Lbs.	Ft. of Chain Overhauled to Lift One Ft.	Shipping Weight Each, Lbs.
# CX WHS300	\$ 60.00	\$ 1.80	*300 Lbs.	8	680	13	9'1"	52	6.5	80
# CX WHS ¼	70.00	1.80	¼ Ton	8	840	13	9'1"	48	11.86	80
# CX WHS700	90.00	1.90	*700 Lbs.	8	1,570	16	9'4"	76	10.33	118
# CX WHS ½	70.00	1.80	½ Ton	8	1,680	13	9'1"	56	20.5	79
# CX WHS1000	90.00	1.90	*1000 Lbs.	8	1,680	16	9'4"	65	17.4	118
CX WHS1	90.00	1.90	1 Ton	8	3,360	16	9'4"	72	31.4	118
CX WHS ½	120.00	2.00	1½ Ton	8	5,040	18½	9'6½"	99	35	163
CX WHS2	140.00	2.10	2 Ton	9	6,700	21	10'9"	104	43.1	230
# CX WHS3S	180.00	2.60	**3 Ton	10	10,100	23	11'11"	97	77.93	259
# CX WHS3	180.00	3.00	3 Ton	10	10,100	24½	12'½"	102	70	225
# CX WHS4	220.00	3.20	4 Ton	10	13,400	29	12'5"	108	86.2	328
# CX WHS5S	280.00	4.20	**5 Ton	12	16,800	32	14'8"	83	153.2	373
# CX WHS5	280.00	4.30	5 Ton	12	16,800	36¾	15'¾"	92	129.3	405
# CX WHS6S	330.00	4.20	**6 Ton	12	20,200	32	14'8"	99	153.2	373
# CX WHS6	330.00	4.30	6 Ton	12	20,200	36¾	15'¾"	110 ¹	129.3 ²	405
# CX WHS8	400.00	5.40	8 Ton	12	26,900	37	15'1"	112 ¹	172.4 ²	520
# CX WHS10	480.00	6.50	10 Ton	12	33,600	50	16'½"	115 ¹	215.5 ²	644
# CX WHS12	600.00	8.60	12 Ton	12	40,300	50	16'2"	110 ¹	129.3 ²	1014
# CX WHS16	720.00	10.80	16 Ton	12	53,800	51	16'3"	112 ¹	172.4 ²	1222
# CX WHS20	850.00	13.00	20 Ton	12	67,200	53	16'5"	115 ¹	215.5 ²	1387
# CX WHS25	950.00	15.30	25 Ton	12	84,000	53	16'5"	125 ¹	258.6 ²	1490
# CX WHS30	1700.00	18.00	30 Ton	12	100,900	58	16'10"	107 ¹	383 ²	1740
# CX WHS40	2700.00	21.20	40 Ton	12	149,400	75	18'3"	122 ¹	459.6 ²	3400

Hoists 12 tons and larger have two hand chains.

* Special quick lift hoists.

** 3 ton single chain; 5 and 6 ton double chains.

† Price includes both hand and load chains.

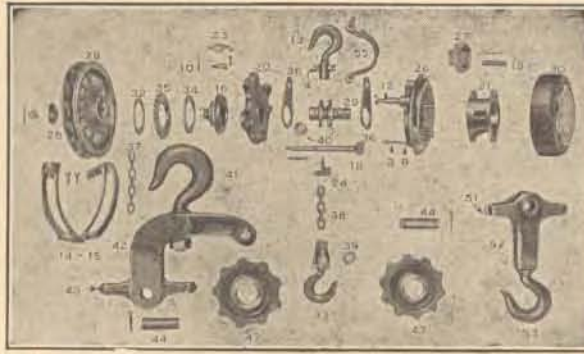
¹ Sum of effort on both hand chains.

² On each hand chain.

WRITE FOR LATEST PRICES

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

#REPAIRS FOR WRIGHT IMPROVED MODEL HIGH SPEED HOISTS.



NOTE—When ordering Repairs be sure to Specify Number and Name of Part and Model and Capacity of Hoist for which Intended.

All Items are Priced Each Except where Otherwise Specified.

Nos.	ITEM	1/4 Ton	1 Ton	1 1/2 Ton	2 Ton	3 Ton Sgl. Ch'in	3 Ton Dbl. Ch'in	4 Ton	5 Ton	6 Ton	8 Ton	10 Ton	12 Ton	16 Ton	20 Ton
#701	—Pawl Stud	\$.50	\$.75	\$.90	\$.95	\$.95	\$.90	\$.95	\$.95	\$.95	\$.95	\$.95	\$.95	\$.95	\$.95
#3	—Small Separator Stud .....	.60	.75	.90	1.10	1.10	.90	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
#4	—Top Hook Cross Head	1.10	1.60	2.35	2.95	3.60	.....	.....	.....	.....	.....	.....	.....	.....	.....
#8	—Load Chain Guide Bolt .....	.30	.55	.60	.75	.75	.60	.75	.75	.75	.75	.75	.75	.75	.75
#10	—Pawl Spring .....	.15	.25	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30	.30
#12	—Large Separator Stud .....	.95	1.10	1.35	1.45	1.45	1.35	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
#13	—Top Hook	1.85	2.95	3.65	4.40	8.80	.....	.....	.....	.....	.....	.....	.....	.....	.....
#14-15	—Hand Chain Guides	4.40	5.15	7.35	8.80	8.80	7.35	8.80	8.80	8.80	8.80	8.80	8.80	8.80	8.80
#16	—Disc Hub	3.50	4.40	6.60	8.10	8.10	6.60	8.10	8.10	8.10	8.10	8.10	8.10	8.10	8.10
#718	—Driving Pinion	4.40	5.15	7.35	8.80	8.80	7.35	8.80	8.80	8.80	8.80	8.80	8.80	8.80	8.80
#19	—Gear and Pinion Studs .....	.65	.90	1.10	1.35	1.35	1.10	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35
#19/S	—Gear and Pinion Stud .....	.....	.....	.....	.....	1.35	.....	.....	.....	.....	.....	.....	.....	.....	.....
#720	—Ratchet Case	4.40	6.60	8.80	9.55	9.55	8.80	9.55	9.55	9.55	9.55	9.55	9.55	9.55	9.55
#721	—Pinion Cage	3.65	5.15	7.35	9.55	12.00	7.35	9.55	9.55	9.55	9.55	9.55	9.55	9.55	9.55
#23	—Pawl .....	.60	.75	.90	.90	.90	.90	.90	.90	.90	.90	.90	.90	.90	.90
#24	—Stripper .....	.50	.50	.75	.90	.90	.75	.90	.90	.90	.90	.90	.90	.90	.90
#25	—Cheek Washer .....	.65	.90	1.10	1.25	1.25	1.10	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
#726	—Internal Gear	7.35	8.80	12.50	14.00	14.00	12.50	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
#27	—Gear and Pinion	2.60	3.30	4.40	5.90	5.90	4.40	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90
#27/S	—Gear and Pinion .....	.....	.....	.....	.....	5.90	.....	.....	.....	.....	.....	.....	.....	.....	.....
#728	—Hand Wheel	4.40	5.15	7.35	8.80	8.80	7.35	8.80	8.80	8.80	8.80	8.80	8.80	8.80	8.80
#729	—Load Sheave	7.35	8.80	13.25	14.70	18.00	13.25	14.70	14.70	14.70	14.70	14.70	14.70	14.70	14.70
#730	—Gear Cover	2.20	3.30	5.15	5.90	7.00	5.15	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90
#32	—Galvanized Disc .....	.30	.45	.60	.75	.75	.60	.75	.75	.75	.75	.75	.75	.75	.75
#33	—Lower Hook Assembly Swivel Hook	3.65	5.50	6.60	8.80	12.00	.....	.....	.....	.....	.....	.....	.....	.....	.....
#34	—Leather Disc .....	.95	1.10	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
#35	—Ratchet Disc	1.50	2.00	2.60	2.95	2.95	2.60	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95
#736	—Suspension Plate	1.50	2.95	4.40	5.50	5.50	4.40	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50
#37	—Hand Chain, per foot .....	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50
#38	—Complete Hand Chain	8.00	8.00	8.00	9.00	11.00	11.00	12.00	14.00	14.00	14.00	15.00	15.00	15.00	15.00
#38	—Load Chain, per foot .....	.80	.90	1.00	1.10	1.60	1.00	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
#38	—Complete Load Chain, without Hook	7.20	8.10	9.00	11.00	17.60	24.00	27.50	48.40	48.40	63.80	79.20	102.30	128.70	160.60
#739	—Bearing for Lower Swivel Hook .....	.55	.80	1.00	1.00	1.20	1.20	2.00	2.80	.....	.....	.....	.....	.....	.....
#40	—Ball Bearing for Driving Pinion .....	.70	.80	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
#741	—Top Hook .....	.....	.....	.....	.....	8.80	8.80	13.25	17.65	26.50	36.75	51.50	55.15	73.50	161.80
#742	—Top Yoke .....	.....	.....	.....	.....	20.60	30.90	36.75	44.10	58.80	88.25	95.60	103.00	110.30	.....
#743	—Top Guard and Guides .....	.....	.....	.....	.....	.....	.....	10.30	14.70	17.65	22.00	23.50	25.00	26.50	.....
#744	—Top or Bottom Pin .....	.....	.....	.....	.....	.....	1.45	1.85	3.65	4.40	5.15	5.15	6.60	8.80	.....
#747	—Top or Bottom Sheave .....	.....	.....	.....	.....	.....	5.90	6.60	6.60	6.60	8.80	8.80	8.80	8.80	.....
#751	—Bottom Guard and Guides .....	.....	.....	.....	.....	.....	8.10	11.00	11.00	14.70	17.65	22.00	23.50	25.00	29.40
#752	—Bottom Side Plates and Cross Head .....	.....	.....	.....	.....	.....	7.35	10.30	14.00	23.50	29.40	36.75	36.75	39.70	42.56
#753	—Bottom Hook .....	.....	.....	.....	.....	.....	8.80	13.25	17.65	26.50	36.75	51.50	55.15	73.50	161.80
#55	—Load Chain Guide	1.10	1.45	2.20	2.55	3.00	2.20	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55
#759	—Detachable Load Chain Coupling .....	.....	.....	.....	.....	.....	.....	.....	3.00	3.00	3.00	3.20	4.00	4.00	4.00
#765	—Load Wheel Bearing	2.20	2.75	3.50	5.50	8.00	3.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50
#766	—Oil Retainer	On Request	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
#767	—Bearings for Bottom Block	On Request	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
#768	—Bearings for Top Block	On Request	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
#131	—Lower Swivel Hook, old type	3.65	5.50	6.60	8.80	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
#33/S	—Hook Shackles, per pair	1.95	2.80	3.25	4.45	5.30	.....	.....	.....	.....	.....	.....	.....	.....	.....

Use price in 1/4 ton column for 300 lb. Quick-Lift Hoists and in 1 ton column for 700 and 1000 lb. Specifying Quick-Lift Hoists.

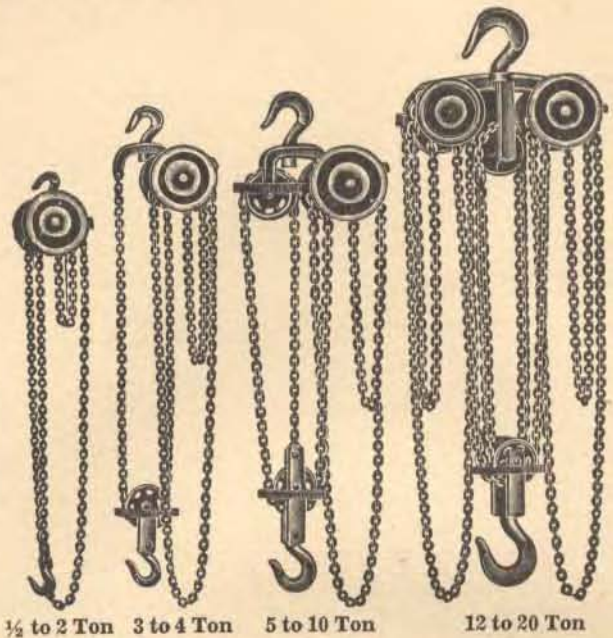
Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory. Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

CHAIN HOISTS

FORD TRIBLOC CHAIN HOISTS have patented loop hand chain guide, malleable frame, drop-forged steel hooks. All parts interchangeable.

Illustrations show the various styles of construction.

Nos.	Standard List and Retail Price, Each	Cap., Tons	Minimum Distance		Chain Pull Lbs.	Wt. Each, Lbs.
			Will Hoist, Feet	Bet. Hooks, Inches		
#CY F $\frac{1}{2}$	\$70.00	$\frac{1}{2}$	8	15	62	53
#CY F1	90.00	1	8	17	82	80
#CY F1 $\frac{1}{2}$	120.00	1 $\frac{1}{2}$	8	19 $\frac{1}{2}$	110	124
#CY F2	140.00	2	9	24	120	188
#CY F3	180.00	3	10	32	114	200
#CY F4	222.00	4	10	37	124	290
#CY F5	280.00	5	12	45	110	380
#CY F6	330.00	6	12	46	130	390
#CY F8	400.00	8	12	51	135	470
#CY F10	480.00	10	12	57	140	570
#CY F12	600.00	12	12	57	130	800
#CY F16	720.00	16	12	61	135	1000
#CY F20	850.00	20	12	77	140	1375






Figure 1

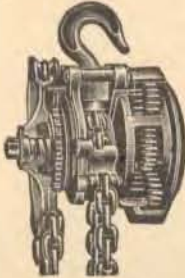


Figure 2

The hoisting mechanism (Fig. 1) consists of a balanced train of spur gears, from the small central pinion to the shrouded internal gear, of heavy pitch, constituting a part of the frame and of the full diameter of the block.

The sustaining mechanism (Fig. 2) consists of a set of friction discs, one of which has external ratchet teeth engaging with a drop-forged pawl. The hand wheel is screwed upon hoisting clamps the discs solidly together.

Packing—bulk.

#EXTRA HOIST For Ford Tribloc Chain Hoists ALL CHAINS INCLUDED

For Block Nos.	Std. List and Retail Price, Per Foot
#CY F $\frac{1}{2}$	\$1.80
#CY F1	1.90
#CY F1 $\frac{1}{2}$	2.00
#CY F2	2.10
#CY F3	3.00
#CY F4	3.20
#CY F5	4.30
#CY F6	4.30
#CY F8	5.40
#CY F10	6.50
#CY F12	8.50
#CY F16	10.80
#CY F20	13.00

CHAIN HOISTS

WESTON—Plain Bushed

Differential or direct. With malleable frames; cast wheels; wrought hooks and steel chain.



Nos.	Each	Capacity, Tons	Will Hoist, Feet	Weight Each, Lbs.	#EXTRA HOIST Comprising 4-foot chain.	
					Per Foot	Std. List Per Foot
CB W $\frac{1}{2}$	\$19.95	$\frac{1}{2}$	7	30	\$2.75	\$4.80
CB W1	26.45	1	8	51	3.00	5.00
#CY W1 $\frac{1}{2}$	32.50	1 $\frac{1}{2}$	8 $\frac{1}{2}$	81	3.25	5.40
#CY W2	40.85	2	9	122	3.50	5.60

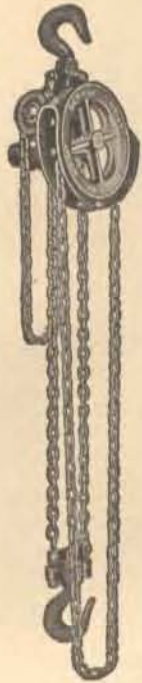
Note: If block is wanted to lift higher than shown above, extra chain must be ordered—four feet of chain for every foot of extra hoist.

Packing—bulk.

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Wright Screw Gear Hoists

MODEL 30



This hoist is fundamentally a riggers' hoist, recommended for general repair use, where it must be carried about, or, for occasional uses in a stationary location. It is popular in the service garage, where speed of lifting is not a factor, and also adaptable for work on the horizontal, that is for moving heavy loads on rollers or skids.

Extremely simple in construction—holds the load securely at any point and will not lower except by a reverse pull on the hand chain by the operator.

On this hoist a hand chain drives the handwheel which is keyed directly to the worm shaft. The phosphor bronze worm wheel, into which this worm meshes, has a S. A. E. steel axle to which the load sheaves are firmly keyed. All working parts are packed in grease in the sealed housing.

Thrust plug, against which the worm makes its bearing, is heat treated to insure hardness. It is reversible, one end for fast and other end for slow lowering. Both hooks are drop forged.

Although it is less than one-half as efficient as the Wright improved high-speed type, and proportionately slower, yet, with the one-ton size one man can lift the capacity load by exerting 86 pounds pull on the hand chain.

The steel load chain is electrically welded, heat treated and proof tested. A chain with a high ultimate strength, high elastic limit and extreme toughness, yet possessing plenty of ductility to make it resistant to breakage under shock loads.

Load chain guards and guides prevent the load chain from riding out of the load wheel pockets. The hand chain guide is of the non-fouling type. Thrust bearings in the lower hook permits swiveling of load without twisting of chain.

Detachable shackles permit of easy chain replacement.

Nos.	Std. List, Each	Extra Lift Std. List, Per Ft.	Rated Cap., Tons	Regular Lift, Feet	Min. Dist. Bet. Hooks, Inches	Chain Pull		Standard Chain Length in Feet		Shipping Weights, Lbs.
						Lbs.	Ft.	Load	Hand	
CX 30 1/2	\$50.00	\$2.50	1/2	8	13	69	39	18	16	62
CX 301	60.00	2.60	1	8	15	86	60	18	16	82
CX 301 1/2	80.00	2.70	1 1/2	8	17	94	80	18	16	106
# CX 302	100.00	2.80	2	9	21	116	92	20	18	142
# CX 303	150.00	3.00	3	10	24	130	128	24	21	214
# CX 304	190.00	3.80	3	10	25	142	155	24	21	278
# CX 305	280.00	4.00	5	12	34	145	186	30	26	410
# CX 306	360.00	5.60	6	12	28	145	256	55	26	410
# CX 308	420.00	6.00	8	12	33	164	306	55	26	470
# CX 3010	550.00	6.40	10	12	44	148	382	57	26	660

Packing—bulk.

ROLLER BEARING STEEL HOISTS

STARLINE—SELF-LOCKING—DOUBLE SHEAVE

Safe, sure and easy to operate. These hoists elevate, lower, lock and unlock with one rope only. The malleable iron lock attached to axle pin acts quickly. When pull on draft rope is stopped and rope moved slightly outward, away from the block, or if pulling in that direction, hoist locks instantly. The heavier the load the more securely it holds and locks. Lock is instantly released by a slight pull or a little snap of the rope toward the block.

All steel double sheave upper and lower blocks, heavy reinforced steel yoke on each block attached to axle pin. Extra heavy. Reinforced drop forged hooks attached to yoke by special double-pressed and riveted swivel sliding on yoke, making block very flexible. Hardened steel sheave axles with cold rolled steel bearings. Keyed axles held in place by cotter pins, are easily removed and replaced. They will not turn when heavily loaded, avoiding cutting sides of hoist.

WITHOUT ROPES

Red Synthetic Enamel Finish

Nos.	Each	Cap., Lbs.	For Rope, In.	Diameter Sheaves, Inches	Size, Axle, In.	100-Lb.		Weight Each, Lbs.
						Pull on Rope Will Lift, Lbs.	Weight Each, Lbs.	
CB 202	\$1.19	1500	3/8 to 1/2	2 1/8	3/8	300	4 1/2	
CB 222	1.98	2500	3/8 to 5/8	2 1/2	7/16	350	5 1/2	
CB 232	3.19	5000	1/2 to 5/8	3	7/16	400	7	

Packing—bulk.

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PORTABLE PLATFORM SCALES FAIRBANKS

You'll have many uses for an accurate portable scale for weighing various produce. Here is one of the finest scales made for general use.



WITH WOODEN PLATFORM PANEL

For weighing heavy merchandise. Durably built to withstand hard usage. Loops, bearings, nose irons and weights are "Parkerized" for rust-resistance.

The wooden pillar is well braced with iron rods. Arrow tip single brass beam and sliding poise fitted with a set screw. A wooden panel is secured in the center of the platform. Attractively finished in blue with bronze stripes, well varnished for protection.

Beam graduated to 100 lbs. by 1/2 lbs.

WITH WHEELS

Nos.	Std. List and Retail, Each	Cap., Lbs.	Platform, Inches	Wt., Lbs.
AY 1120F	\$60.00	1500	22x31	315
AY 1118F	80.00	2000	25x32	385
AY 1116F	90.00	2500	25x34	450

ALL METAL

Popular choice for general weighing of merchandise in every form.

- Lever system is made heavy, with a large factor of safety, sustains accuracy.
- "Parkerized" loops, bearings, nose irons and weights are rust-resistant, assuring long life.

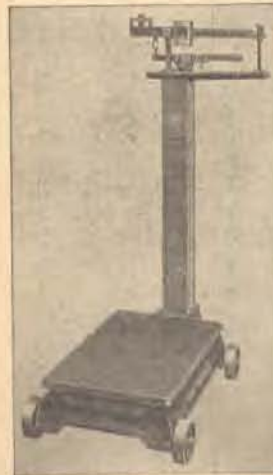
Durably constructed with pillar, cap and platform cover made of sheet steel, pressed to shape and reinforced, rigid and serviceable. Non-corrosive aluminum alloy arrow-tip single beam, with center-indicating poise. Overall height 3 feet, 7 inches. Finished in blue with bronze stripes, all well varnished.

WITHOUT WHEELS

Capacity 1,000 lbs. Beam graduated to 100 lbs. by 1/2 lbs. Platform 18x27 inches.

AB 1124—Weight each 205 lbs.

Std. List and Retail, Each \$31.75



FAIRBANKS Duplex Beam

The latest development in portable beam scales. Provides exceptional speed and convenience in weighing because of direct reading without loose counterpoise weights. Ideal for use in all industrial operations. Entire scale is built throughout for accurate and reliable service.

All Metal With Steel Clad Platform

Beams are made of cast brass with raised figures and graduations for quick and easy reading. Mounted on two fulcrum stands rigidly attached to top of metal pillar shelf. Sliding poises are of center indicating type.

Loops, bearings, and nose irons "Parkerized" to make them rust-resistant. Heavy cast-iron frames and wheels. Full length axles. Tempered steel knife bearings. Overall height 4 feet.

Attractively and durably finished in black enamel with blue pillar.

Nos.	Std. List and Retail, Each	Cap., Lbs.	Cap., Main Beam, Lbs.	Cap., Other Beam, Lbs.	Size, Platform, In.	Wt., Each, Lbs.
AR 12064F	\$44.40	1000	1000x10	10x1/2	18x27	230
AR 12066F	37.10	500	500x10	10x1/4	16x25	215

One in a case.

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PORTABLE PLATFORM SCALES FAIRBANKS

All Metal With Double Beam



Exceptionally convenient for general industrial weighing as the lower beam may be used for tare weights of containers. Scale is built throughout for accurate and reliable service.

- Loops, bearings, nose irons and weights are "Parkerized" to make them rust-resistant.
- Arrow tip beam fitted with two center-indicating brass poises with beveled edges to eliminate shadows from the beam and insure more accurate reading.

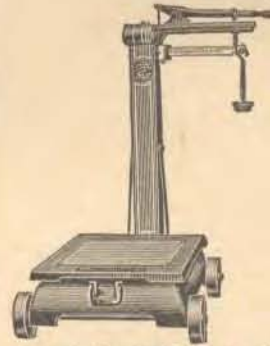
Pillar, cap and platform cover made of heavy sheet steel. Heavy cast-iron frame and wheels. Full length axles. Overall height 3 feet 7 inches. Finished in blue with bronze stripes. Well varnished for protection.

Capacity of Beam 100 lbs. x 1/2 lbs.

Nos.	Std. List and Retail, Each	Cap., Lbs.	Size, Platform, Inches	Weight, Lbs.
AR 1278F	\$37.10	500	16x25	165
AR 1280F	44.40	1000	18x27	180

FAIRBANKS STANDARD

Portable With Drop Levers



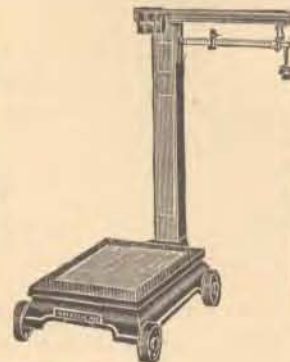
Excellent for general heavy duty weighing, especially where heavy boxes, barrels and castings are handled on and off the platform, causing jars and shocks to the mechanism.

- Drop-levers—protect the scale mechanism from abuse, retain the accuracy.
- "Parkerized" loops, bearings, pivots and weights are rust-resistant, give longer life service.

Arrow-tip single brass beam and sliding poise fitted with set screw. Wooden pillar well braced with iron rods. Finished in blue with bronze stripes. Well varnished.

WITH WHEELS AND DROP LEVER

Nos.	Std. List and Retail, Each	Capacity, Lbs.	Size of Beam, Lbs.	Platform, In.	Wt., Each, Lbs.
AY 1174F	\$53.00	1000	100	18x27	230
AY 1170F	70.00	1500	100	22x31	330
AY 1168F	90.00	2000	100	25x32	415
AY 1166F	100.00	2500	100	25x34	470



AMERICAN

With adjustable chilled platform bearing that prevents wear of steel pivots—keeps scale always quick and sensitive.

Heavy cast iron frame, platform and wheels, enameled black. Hardwood pillar and cap enameled blue and striped in gold. Polished brass beam, graduated on both sides. Brass sliding poise. The steel pivots are carefully hardened and finished.

Capacity of beam—50 lbs. by 1/2 lbs.

Nos.	Capacity, Lbs.	Platform, Inches	Weight Each, Lbs.
‡ AY 49	600	16x24	150
‡ AY 51	1000	18x25	165
			\$24.75 27.75

One in a case.

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STANDARD TRUCKS

Sturdily constructed of highest grade materials for greatest strength.

The varnished hardwood handles are comfortable to grip. Mortised wood cross braces. Japanned iron handle straps and nose iron in one piece. Easy-rolling, cast-iron japanned wheels revolve on $\frac{1}{4}$ inch steel axle with malleable iron axle brackets. The flat steel legs and leg braces are riveted.



STANDARD—RAILROAD

Withstands hard, rough usage. Unsurpassed for any purpose where a sturdy, reliable truck is needed.

Heavy varnished hardwood handles with handle grips painted black. Four mortised, iron strapped, hardwood cross braces with two iron center braces, give greatest strength. Full length japanned iron handle straps and one-piece nose iron. Extra heavy cast-iron japanned wheels on 1-inch steel axle are easy-rolling. Malleable iron axle brackets. Flat steel

legs and leg-braces are riveted on. Length over all 63 inches. Width 24 inches. Diameter of wheels $10\frac{1}{2}$ inches. Heavy full-ironed. Handle straps extend to grip, about 48 inches.

AB R4—Weight each 115 lbs.....Each \$17.95

WAREHOUSE

Built for heavy duty.

Full-ironed. Handle straps extend up to grips, about 37 inches.

AB WF2—Length over all 51 inches, width 20 inches, diameter of wheel $8\frac{1}{2}$ inches, four cross braces.

Weight each 70 lbs...Each \$12.00

Packing—bulk.



WAREHOUSE

This popular type is designed for warehouse and general store use. Half-ironed. Handle straps extend up about 23 inches.

AB WH1—Length over all 48 inches, width 19 inches, diameter of wheel 7 inches, three cross braces. Weight each 45 lbs...Each \$9.75

STANDARD—BAG

Especially constructed with solid nose iron for handling bags.

Well built, with varnished hardwood handles and four mortised cross braces. Japanned iron handle straps and nose iron one-piece. Easy-rolling cast-iron japanned wheels on $\frac{1}{2}$ inch steel axle, with malleable iron axle brackets. Handle straps extend up about 7 inches. Length over all 46 inches, width 17 inches. Wheel $5\frac{1}{2}$ inches in diameter.

Without Legs

AB 5—Weight each 20 lbs.....Each \$5.85



STANDARD—GROCERY

Light to handle, but strong enough for general use.

Regular strap nose iron, three bolted cross braces and handle straps that extend up about 11 inches. Length over all 48 inches, width 19 inches. Wheel 6 inches in diameter. Steel axle $\frac{1}{2}$ inch in diameter.

Without Legs

AB 10—Weight each 20 lbs.....Each \$5.85



Packing—bulk.

The
KEEN KUTTER
Name on Tools
means the

**FINEST QUALITY OFFERED
ANYWHERE**

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

CORN SHELLERS

- Operate easily and quickly . . . take all the corn off the cob.
- These corn shellers are designed to give years of satisfactory service.



BLACK HAWK

Shells clean—deposits corn in box or bin and cob outside. Easy to operate. Easily attached to barrel, box, bin or tub without tools, no holes to bore, just clamp it on. All parts are fully guaranteed and will be replaced without cost. Black japanned and gold bronze finish. Sturdily constructed, with malleable iron hopper, separator and crank. Extra long, fully chilled bearings. Height over all 17 inches, width over all 10 inches. Toothed disc wheel 8 inches in diameter, crank 11 inches long.

leable iron hopper, separator and crank. Extra long, fully chilled bearings. Height over all 17 inches, width over all 10 inches. Toothed disc wheel 8 inches in diameter, crank 11 inches long.

Shells 8 to 14 bushels of corn per hour.

ABBH—Weight each 15 lbs. Each \$3.19

In cartons of ¼ or ½ dozen and barrels of one dozen.



R & H

Shells all size ears thoroughly and rapidly—deposits corn in the box or barrel and cob outside. Attaches easily and quickly to box or barrel. All parts are fully warranted by the factory against breakage and defect.

Attractively finished in red and gold baked japan. Strongly made of malleable iron, with chilled bearings. Height over all 11 inches, width over all 10 inches. Toothed disc wheel 8½ inches in diameter. Crank 7 inches long.

inches, width over all 10 inches. Toothed disc wheel 8½ inches in diameter. Crank 7 inches long.

AY 30—Weight per dozen 180 lbs. Each \$2.69

Packed 1¼ dozen in a barrel.



PATCH'S PONY

Shells clean all kinds of field corn and throws out the cobs. Fastens to bin, box, barrel or tub by two clamps. Two extra clamps are furnished with each sheller. Sturdy and efficient. Made of japanned malleable iron, with hardened bearings that insure smooth running. Pressure is regulated by a heavy No. 9-gauge wire coil spring. Diameter of shell wheel 7¼ inches, studded with ⅝ inch oval teeth. Steel shaft with bearing is 4½ inches. Height over all 10 inches, width over all 8½ inches. Adjustable hopper—width 3¼ inches, depth 4 inches. Length of crank 9¼ inches.

width 3¼ inches, depth 4 inches. Length of crank 9¼ inches.

#AB 1902—Weight per dozen 168 lbs. Each \$2.29

One dozen in a barrel.



An economy model that shells all sizes of field corn—throwing out cobs. Will give excellent service.

Cast iron, japanned. To bolt or screw to box. Hardened bearings. Adjustable hopper 3 inches wide, 3½ inches deep. The pressure is regulated by a heavy 10-gauge wire coil spring. Shell wheel 8 inches in diameter is studded with ⅝ inch teeth. Height over all 11¼ inches, width over all 10 inches. Crank 7¼ inches long.

with ⅝ inch teeth. Height over all 11¼ inches, width over all 10 inches. Crank 7¼ inches long.

AB 5LG—Weight per dozen 144 lbs. Each \$1.89

One and two dozen in a barrel.

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CORN MILLS



No. AB 1



No. AB 2

Cast iron one-piece cylinder stem and base piece, heavily tinned, smoothly finished. Cast iron detachable crank 10½ inches long, with smooth ebonized wood handle. Hardened cast iron grinding plate discs are serrated and finished dull nickel for easy cleaning—no tarnish. Removable cast iron front bracket and aluminum hood, with adjusting nuts at each side. Nickel plated steel round hopper. Diameter at top of body 3½ inches; base 1½x3¼ inches. Fastens to table by thumb nut or may be screwed on for permanent use.

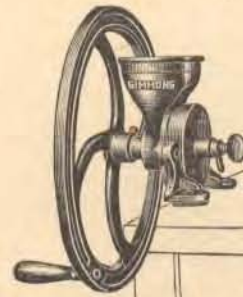
Will grind approximately 2 bushels per hour.

Nos.	Each	Cap. Hopper		Height Weight	
		Lbs.	Inches	Inches	Lbs.
AB 1	\$3.98	1¼	5¼x3	14	11
AB 2	4.89	3¼	5¼x7¼	18½	13

Six in a case.

GRIST MILLS

SIMMONS



For grinding salt, corn, wheat, rye, peas and all similar grains. Will also grind dry bones, shells, etc.

Cast-iron body and hopper, painted vermilion. Strong steel alloy grinders, adjustable by thumb screw to coarse, medium or fine. Large, oval open hopper 5¼x4½ inches. Large 18-inch cast-iron balance wheel with hardwood grip handle—easier, faster turning. Two feet for screwing to table. Height from table to top of hopper 8½ inches.

Capacity about 20 lbs. of fine meal per hour.

AB SGM—Weight each 30 lbs. Each \$4.95

One in a crate.

FODDER SQUEEZERS



A time saver to every corn raiser. One man can do the work of two. Japanned malleable iron frame, point 2½ inches long, with head at end. Length over all 5 inches. With-out rope.

AB 1—Weight per dozen 5 lbs. Each \$0.23

One-half dozen in a cardboard box.

Use

KEEN KUTTER

Pocket Cutlery

CORN HUSKING EQUIPMENT

CORN HUSKERS

- Make husking easier and quicker, save time and labor, reduce the number of motions necessary to clean the ear.
- Protect your hands from cuts. May be worn on bare hands, or over gloves or mittens.

These various styles, designed to meet the individual requirements of farmers all over the country, are made of highest grade materials. Carefully and expertly constructed to withstand hard use, and at the same time be comfortable to wear. Will not chafe the hands. They will pay for themselves many times in one season, in efficient service, and time saved.



CLARK'S ORIGINAL "CORN KING"

One-piece heavy grain leather palm pad and wrist piece, with 6-inch lacing strap across back of hand. Cold-rolled steel palm plate can be bent to fit any hand. The adjustable patented spear point hook, secured to palm plate by screw, can be shifted and tightened

to any position desired. Wired buckle and dee. All metal parts cadmium plated.

Right Hand

AB A—Weight per dozen 3 lbs.....Each \$0.55



CLARK'S DANDY

Well fitting heavy split leather with long strap passing around the thumb, twice across the back of hand to an easy-open buckle. Cold-rolled steel palm plate 1 3/4 x 3 inches. Single corrugated stationary hook stamped out of palm plate. All metal parts cadmium plated.

Right Hand

AB DD—Weight per dozen 1 3/4 lbs.....Each \$0.25



BOSS

Adjustable twin spur: palm plate has 19 holes permitting adjustment of spurs to 9 different positions.

Muleskin pad under palm plate. Select chrome calfskin wrist piece 2 3/4 inches wide fastened by two 1/2-inch straps and buckles. Reinforced 1/2-inch leather hand strap with buckle

fastenings. Cold-rolled shaped steel palm plate 3 1/2 x 2 1/2 inches. Two twin spur corrugated steel hooks held in position by lugs. All metal parts nickel-plated.

Right Hand

AB T3—Weight per dozen 3 1/2 lbs.....Each \$0.59



BOSS

Works efficiently, fits comfortably.

Heavy one-piece chrome grain leather palm pad and double strapped 2 1/4-inch wide wrist piece. Three 1/2-inch leather straps with nickel-plated buckle fastenings. Nickel-plated and buffed curved sheet steel palm plate 4x3 inches fits around and protects base of thumb. Single stationary steel

hook and slotted arm. Hand strap passes through metal slot.

Right Hand

AB 50C—Weight per dozen 3 lbs.....Each \$0.49

One dozen in a carton.

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BOSS

Adjustable single spur: palm plate has 19 holes for various adjustments.

Muleskin pad under palm plate. Reinforced leather hand strap with nickel-plated buckle. Leather wrist piece 2 inches wide, goes twice around wrist and fastens with nickel-plated

buckle. Polished cold-rolled shaped steel palm plate 3 1/4 x 2 1/4 inches.

Right Hand

AB CC—Weight per dozen 3 lbs.....Each \$0.49



BOSS

Leather wrist piece 2 3/4 inches wide goes twice around wrist, fastens with Lustro finish buckle. Sturdy steel palm plate 3 1/4 x 2 1/2 inches. Lustro finish. Single corrugated hook stamped out of palm plate.

AB T06RH—Right hand.

Each \$0.49

AB T06LH—Left hand.

Each .49

Weight per dozen 3 1/4 lbs.



BOSS

Simple serviceable huskers, comfortable to use, thriftily priced.

Select chrome calfskin. Leather wrist piece 2 3/4 inches wide. Fastened by two 1/2-inch straps and buckles. Leather reversible hand strap 1/2-inch wide with buckle fastening. Cold-rolled shaped steel palm plate 4 1/4 inches long, 3 inches wide. Single stationary steel hook. All metal parts nickel-plated.

Right Hand

AB 12RH—Weight per dozen 2 1/2 lbs.....Each \$0.39

One dozen in a carton.

HUSKING GLOVES

BOSS



All leather—waterproof brown muleskin, with open fingers to give you freedom of action. Reinforced thumb. Palm and fingers thickly studded with tinned rivets and steel discs for quick work and protection of your hands. Tinned concave stamped steel pin 4 3/4

inches long. Single strap with buckle.

AB 9—Weight per dozen pairs 8 lbs.....Per Pair \$1.45

One-half dozen pair in a carton.

HUSKING PINS

BOSS



Made to wear over glove. Extra select chrome calfskin straight finger guard 1 1/4 inches wide. Strap 1/2 inch wide with nickel-plated sliding loop and brass screw tip adjustment. Round forged steel, nickel-plated pin 5 inches long, with flattened end.

AB G—Weight per dozen 1 1/4 lbs. Each \$0.37

One dozen in a carton.

BOSS



The pin that cuts through the husk quickly, easily. The concave stamped polished steel pin 4 1/2 inches long is clamped to the brown split muleskin finger guard 1 1/4 inches wide. A select chrome calfskin adjustable finger strap 1 1/4 inches wide fastens by an adjustable end clasp.

AB N—Weight per dozen 1 1/4 lbs. Each \$0.23

AB N—Weight per dozen 1 1/4 lbs. Each \$0.23

BOSS



Easy to use—with adjustable strap, and calfskin finger guard. Concave stamped polished steel pin 4 3/4 inches long, riveted to select chrome calfskin finger strap 1-inch wide, and large select chrome calfskin finger guard 1 1/4 inches wide. Adjusting strap 1/2-inch wide, that fastens with XC tin-plated buckle fastening.

Right Hand

AB 200RH—Weight per dozen 1 lb. Each \$0.15

AB 200RH—Weight per dozen 1 lb. Each \$0.15

Three dozen in a carton.

BOSS UNIVERSAL



Adjustable to any size. Heavy sheet steel body and pin, nickel-plated and polished. When closed it is 4 inches long, open it is 5 1/4 inches.

AB 2700—Weight per dozen 1 lb. Each \$0.12

AB 2700—Weight per dozen 1 lb. Each \$0.12

Two dozen in a carton.

BOSS



An inexpensive husking pin. Concave stamped tinned steel pin 4 3/4 inches long riveted to brown split muleskin strap 1 inch wide. Three compartments. Thong fastening. Right hand.

AB 2000RH—Weight per dozen 3/4 lb. Each \$0.10

AB 2000RH—Weight per dozen 3/4 lb. Each \$0.10

Three dozen in a carton.

WRIST SUPPORTERS

- Give excellent support to weak or injured wrists.
- Gives additional wrist support for heavy labor farm work where extra strain is put on wrist.



Extra select chrome calfskin 2 1/2 inches wide, 16 1/2 inches long. Goes twice around the wrist. Nickel-plated buckle fastening.

AB 2—Weight per dozen 1 1/4 lbs. Each \$0.27



Chrome calfskin 2 1/2 inches wide, 8 inches long, with two 1/2 inch straps and XC plate (tinned) buckles.

AB 21X—Weight per dozen 1 1/4 lbs. Each \$0.23

AB 21X—Weight per dozen 1 1/4 lbs. Each \$0.23

BOSS



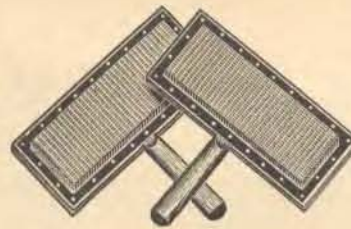
Extra wide. Made of chrome calfskin 3 1/4 inches wide, 8 1/4 inches long, with three 1/2 inch straps and XC plate (tinned) buckles, riveted on.

AB X23—Weight per dozen 1 1/4 lbs. Each \$0.23

AB X23—Weight per dozen 1 1/4 lbs. Each \$0.23

One dozen in a carton.

COTTON CARDS



GENUINE OLD WHITTEMORE

Patent improved.

For carding cotton. Natural finish wood back and handle. Back 10 3/4 x 4 3/4 inches. Leather face with embedded curved steel wire bristles. Leather bound edges. Bristle area 9 1/4 x 3 1/4 inches.

AB 10BW—Weight per dozen pairs 21 lbs. Per Pair \$2.00

One dozen pairs in a case.

KNEE PADS COTTON PICKERS'



One solid piece of high grade russet leather. Felt lined, sewed around edge; 1 1/2-inch leather straps with buckle riveted on. Length 7 inches, width 5 1/2 inches.

AB H—Weight per dozen pairs 11 lbs. Per Pair \$1.00

Two dozen pairs in a box.

Shaped to fit the knee.



Waterproof and durable. High grade 3-ply black rubber tire fabric. Felt lining sewed in. Turned up at front and riveted; 1/2-inch leather straps to buckle around knee, riveted on. Nickel plated buckles, riveted on. Made in rights and lefts.

Length 8 inches, width over all 5 1/2 inches.

AB 20—Weight per dozen pairs 12 lbs. Per Pair \$0.65

Packing—bulk.

PINE TAR



DIXIE

Used on husking gloves to keep leather soft and pliable, and to prolong its life. Also used in animal husbandry, for tree surgery, for packing the hoof in horse shoeing, for making tar soap.

In full measure tin cans. Contains less than 2% moisture.

IN SEAL TOP CANS

Nos.	Each	Size Cans	No. Cans in Case, Doz.	Wt. Per Case, Lbs.
AB 511HP	\$0.12	1/2 Pt.	6	56
AB 511P	.19	1 Qt.	2	33
AB 511Q	.35	1 Qt.	2	55

IN SCREW TOP CANS

AB 611HP	.15	1/2 Pt.	6	48
AB 611P	.25	1 Pt.	4	63

OUR HARNESS LINE IS COMPLETE

AND PRICED RIGHT

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

WORK GLOVES—Protect Your Hands at Work or Play

- Full-cut for your comfort!
- Durably made, will give you long wear.

MEN'S CANTON FLANNEL GLOVES



"LUCKIES"

These heavy gloves are well made to protect the wrist—will not slip off while working.

Brown fleece continuous palm and cuff and white canton flannel back. Shirred elastic wrist—deep flexible cuff. Neatly bound around opening with brown leatherette.

Men's Size
AB 644—Weight per dozen pairs
 4½ lbs.
Per Pair \$0.29

CANTON FLANNEL GLOVES

Designed to give added protection to the hand, roomy and comfortable, yet not bulky—may be worn with freedom of action. Sturdily made.



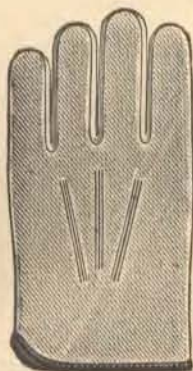
"Corn top" two-thumb reversible. Give double wear, are made of long nap (outside) eastern white flannel, Gunn cut. Dark blue knit wrist. Stamped "corn top" fits snugly.

MEN'S SIZE

Nos.	Per Pair	Flannel Weight, Ozs.	Weight Per Doz. Pairs, Ozs.
AB 225	\$0.15	8	28
AB 1378	.18	11	47

One dozen pairs in a carton.

SHORT SLIP-ON



These neatly tailored gloves are made of white canton flannel with nap inside. Well-shaped fourchette fingers. Opening is bound in black cloth.

Men's Size—9-Ounce

AB 202—Weight per dozen pairs 1¾ lbs. **Per Pair \$0.17**

One dozen pairs in a carton.



Two-thumb reversible. Give double wear. Strongly made of white canton flannel with nap outside. Knitted wrist. Flannel weight 8-ounce.

MEN'S SIZE

AY C8NH—Weight per dozen pairs 38 ozs.
Per Pair \$0.13

One dozen pairs in a bundle.
 20 dozen pairs in a case.



• Give long wear, perfect protection for your hands.

Well made. Canton flannel, with nap inside. Seamed back pattern. Close-fitting knitted wrist.

ALL MEN'S SIZES

Nos.	Per Pair	Flannel Weight, Ozs.	Color Knit Wrist	Weight Per Doz. Pairs, Ozs.
AY C53	\$0.09	5½	Light Blue	26
AY C7N	.10	7	Navy	32
AY C8N	.10	8	Navy	38
AY C10N	.12	10	Navy	42
AB C12N	.15	12	Navy	44

One dozen pairs in a bundle.

AY C53 and AY C7N—twenty-five dozen pairs in a case.
 Others—twenty dozen pairs in a case.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

COTTON CHORE MITTENS



Easy to slip on—protects your hands in doing daily tasks.

Quilted and lined. Strongly made two-ply, outside ply heavy brown flannel with nap out; inside ply of heavy weight flannel. Quilted with red thread. Snug fitting blue knit wrist. Flannel weight 8 ounces.

MEN'S SIZE

AY 7922—Weight per dozen pairs
 52 ounces **Per Pair \$0.20**

Ten dozen pairs in a carton.

HUSKERS' COTTON MITTENS

"CORN TOP"

TWO-THUMB REVERSIBLE



Give double service.

Made of high-grade canton flannel (33 inches) with nap out. Two thumbs with inside patch of medium weight canton flannel, with nap out, with two rows of red stitching. Outseams red stitched. Blue knit wrist. "Corn top" stamped on. Flannel weight 12 ounces.

MEN'S SIZE

AY 734—Weight per dozen pairs
 47 ozs. **Per Pair \$0.17**

One dozen pairs in a carton.

CANTON FLANNEL WORK GLOVES—Protect the Hands of Farmers, Workmen, Engineers

• Comfortable, roomy gloves, not bulky.

• Perfectly sewn with strong thread.

You'll find just the kind you need for your particular type of work. With knitted wrists that fit snugly or cuffed styles, easy to slip off. Made for comfort and protection—heavy high-grade materials, at low prices.

KEEN KUTTER

First quality gloves expertly made, yet amazingly low in price . . . the kind men prefer for working . . . they'll last longer, too.



Brown Palm

Serviceable, brown palm gloves will not show dirt so easily.

Blue striped yellow flannel back, with single brown flannel palm and full brown forefinger, nap outside. Fourchette fingers. Snug fitting brown knit wrist. Trade mark "KEEN KUTTER" printed in black on back of each glove, your assurance of highest quality.

Men's size—8-ounce.

AB 200BR—Weight per dozen pairs 1 1/4 lbs. Per Pair \$0.15



A-1 quality—full size—low price.

Gunn-cut for greater flexibility of the fingers and more comfort in wearing. Good quality full long nap Pepperell flannel, with knit wrist. Trade mark "KEEN KUTTER" printed in red on back of each glove, your assurance of highest quality.

12-OUNCE LONG NAP PEPPERELL FLANNEL

AB 300B—Blue knit wrist. Per Pair \$0.15

AB 300R—Red knit wrist. Per Pair .15

8-OUNCE LONG NAP PEPPERELL FLANNEL

AB 100B—Blue knit wrist. Per Pair \$0.13

AB 100R—Red knit wrist. Per Pair .13

Weight per dozen pairs 1 1/2 lbs.



ENGINEER SPECIAL

Free action gloves—allow ample freedom in handling throttles, or operating machinery, yet protect your hands.

Heavy weight canton flannel with nap inside. Seamless back pattern with double cuff, overcast in red. "Engineer Special" printed on the cuffs.

Men's size—9-ounce.

AB 259ES — Weight per dozen pairs 3 1/2 lbs. Per Pair \$0.23

One dozen pairs in a carton.



QUILTED AND LINED

Two-ply—Outside ply, medium weight brown flannel with nap out. Inside ply, medium weight gray flannel with nap in. Close fitting tan knit wrist.

AB 3876 — Men's size. Weight per dozen pairs 3 3/4 lbs. Per Pair \$0.20

AB 3876GS — Giant size. Weight per dozen pairs 3 1/2 lbs. Per Pair \$0.23



QUILTED AND LINED

Strongly sewn. Brown golden fleece palm, thumb and forefinger. Seamless one-piece heavy white flannel back with brown fleece fourchette fingers. Brown fleece fourchette fingers give double wear. Gold colored knit wrist.

Men's Size

AB 626—Weight per dozen pairs 3 1/4 lbs. Per Pair \$0.23



WHITE CANTON FLANNEL

Clute cut, light weight gloves that give necessary protection to your hands for light work. Seamed back pattern, with nap inside. Blue knit wrist.

Nos.	Per Pair	Sizes For	Wt. Per Flannel Doz.	
			Ozs.	Pairs,
AB 404	\$0.12	Men	7	32
AY 258	.19	Men's Giant		
		Extra Large	12	49

One dozen pairs in a carton.

FOR PENETRATING WARMTH

USE A

SIMMONS

CIRCULATOR HEATER

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

LEATHER PALM WORK GLOVES—Give Extra Protection, Wear Longer

- Leather palm insures perfect protection, will last much longer than all-fabric gloves—made to withstand hard wear.
- Stitched with strong thread, will not rip out easily.
- Full cut and roomy, gives hand plenty of freedom.



ONE BUCK LUMBERJACK

Well made and double stitched. Heavy canvas backs. Genuine horsehide palm, wrist piece; full leather fingers. Leather reinforcement around the thumb. Wide leather knuckle band. Rubberized, waterproof double cuff with trade mark illustration on the back, your assurance of genuine quality. Cuff opening red cloth

bound. Gunn-cut for greater flexibility of the fingers and more comfort in wearing.

Men's Size

AB 866—Weight per dozen pairs 7½ lbs. Per Pair \$1.00



WHITE MULE

New harmonizing gray stripe flannel, with selected side split leather palm, wrist piece, knuckle strap, full leather forefinger and tips of fingers. Rubberized inseam cuff. Gunn-cut for greater flexibility of the fingers and more comfort in wearing. Elastic strap across back of wrist. Blue cloth bound around opening.

Men's, Large Size

AB 229WM—Weight per dozen pairs 7½ lbs. Per Pair \$0.75



Men's Size

AB 48—Weight per dozen pairs 5½ lbs. Per Pair \$0.49

TOM AND JERRY

Heavy duty—for farmers and workmen. Durable and comfortable—highest grade materials. "Tom and Jerry" stamped on cuff, with illustration of two mules. Gunn-cut for greater flexibility of the fingers and more comfort in wearing.



New harmonizing gray stripe flannel, with drab split leather palm, wrist piece, knuckle strap, full leather thumb and tips of fingers. Rubberized cuff. Elastic strap across back of wrist.

Men's, Large Size

AB 419—Weight per dozen pairs 7¼ lbs. Per Pair \$0.59



Medium weight, white flannel with rubberized, waterproof double cuff. Seamless back. Selected drab split leather palm with tips extending over back of fingers. Elastic strap across back.

Men's Size

AB TJ1—Weight per dozen pairs 7 lbs. Per Pair \$0.49



BAND TOP—LEATHER PALM—

"SAFETY CUFF" Heavy white flannel back, gray split leather palm, half leather thumb, rubberized wrist band, red cloth bound. Elastic strap across back.

Men's Size

AB TJ2—Weight per dozen pairs 4½ lbs. Per Pair \$0.49

One dozen pairs in a carton.

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WORK GLOVES—Made for Comfort and Hard Wear

Designed to Give You the Greatest Hand Protection and Long Service, for Your Money!

LEATHER PALM GLOVES



Serviceable gloves. Smoke and flame colored 10-ounce flannel, white fleeced inside. Seamless back. Horse grain leather palm, with tips extending over the back of fingers. Gunn-cut for greater flexibility of the fingers and more comfort in wearing. Tan knit wrist is snug fitting.

Men's Size
AB 6515—Weight per dozen pairs 4½ lbs.
Per Pair \$0.59



Medium weight red striped brown canton flannel. Seamless back. Brown bucktan split leather palm with leather tips extending over back of fingers for extra strength. Gunn-cut for greater flexibility of the fingers and more comfort in wearing. Brown knit wrist.

Men's Size
AB 380—Weight per dozen pairs 3¾ lbs.
Per Pair \$0.45



With new patented reinforced double leather palm that gives extra wear and service.

Blue striped yellow flannel, with shoulder split leather riveted palm, leather tipped thumb. Blue knit wrist.

Men's Size
AB PL40—Wgt. per dozen pairs 2¼ lbs.
Per Pair \$0.29



Blue striped yellow flannel, with seamed back. Set-in thumb. Medium grade leather palm that gives extra wear and longer service. Light blue knit wrist.

Men's Size
AB 6506—Weight per dozen pairs 3¾ lbs.**Per Pair \$0.25**

JERSEY GLOVES

SLIP-ON DRESS PATTERN

These gloves are dressy in appearance—they harmonize with overcoats—they are form-fitting and comfortable—slip on and off easily—do not soil easily.



Brown elastic jersey, with red lining, duplexed, Gunn-cut for greater flexibility of the fingers and more comfort in wearing. Leatherette bound around opening.

AB 549—Men's size.
Per Pair \$0.29

AB 549C—Cadet size.
Per Pair \$0.25

Weight per dozen pairs 1¾ lbs.



DRIVING

Specially made for truckmen and chauffeurs.

JERSEY—LEATHER GRIP

Suede leather grip and thumb stand more wear and help prevent your hands from slipping. Close-fitting elastic brown jersey, fancy fleece lined—warm and comfortable. Opening brown jersey bound.

Men's Size

AB 511—Weight per dozen pairs 2¾ lbs.**Per Pair \$0.59**



Seamed back pattern. Well sewed. Seal brown jersey, with continuous thumb.

Men's Size

Heavy weight. "Patent Rubberset."

AB 600—Weight per dozen pairs 2½ lbs.
Per Pair \$0.19

With regular knit wrist. 8-ounce material.

AB 699—Weight per dozen pairs 1¾ lbs.
Per Pair \$0.15

Cadet or Women's Size

With regular knit wrist. 8-ounce material.

AB 699C—Weight per dozen pairs 1¾ lbs.**Per Pair \$0.15**

One dozen pairs in a carton.

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MEN'S FULL LEATHER GLOVES

Roomy and well made, assuring long wear and perfect comfort.



SLIP-ON DRIVING GLOVES

Warm Fleece Lining

Tape fastener on back makes gloves fit snugly. Patented thumb shield. Gunn-cut for greater flexibility of the fingers and more comfort in wearing.

Bucktan split leather with red fleece lining. Cuff opening black cloth.

AB 858—Weight per dozen pairs 5 lbs...Per Pair \$0.79



LEMON HORSEHIDE SLIP-ON

Soft, flexible gloves of lemon colored horsehide, sewn with strong thread for long service. Gunn-cut for greater flexibility of the fingers and more comfort in wearing. Cuff opening red cloth bound.

Men's Size

AB 1004—Weight per dozen pairs 4½ lbs.....Per Pair \$0.85

One dozen pairs in a carton.



WHITE HORSEHIDE SLIP-ON

Soft, pliable gloves expertly made of genuine full grain white horsehide.

Gunn-cut for greater flexibility of the fingers and more comfort in wearing.

Cuff opening gray cloth bound. Tape fastener on back makes gloves fit snugly.

Men's Size

AB 125WT—Weight per dozen pairs 2½ lbs.

Per Pair \$0.98

One dozen pairs in a carton.



SPLIT COWHIDE SLIP-ON

Drab color, will not soil easily. Well sewn; soft and pliable.

Gunn-cut for greater flexibility of the fingers and more comfort in wearing. Cuff opening black cloth bound.

Men's Size

AB 851—Weight per dozen pairs 4½ lbs.

Per Pair \$0.59

One-half dozen pairs in a carton.

Go Modern Now...

Install

SIMMONS
LIGHTING
FIXTURES

CHILDREN'S JERSEY GLOVES

Comfortably styled of elastic knit material—they fit snugly and give the tender young hands perfect protection.



The knit wrist band hugs the wrist. Choice of navy, brown or gray mixture. Weight of material 8½ ounces.

AB 763—Weight per dozen pairs

1¾ lbs. Per Pair \$0.15

One dozen pairs (assorted colors) in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

RUBBER DIPPED COTTON GLOVES—A Popular Choice!

• They wear longer because they're waterproof, greaseproof and acidproof!

These "firm-grip" gloves are designed to take abuse and at the same time be comfortable and pliable, allowing freedom of action. For farmers, truck drivers, garage, battery and filling station men. And they're priced so economically.

KEEN KUTTER



Full rubber dipped. Two-tone. Heavy weight gloves with transparent rubber back, black rubber palm, heavy double quilted lining. Blue knit wrist. **KEEN KUTTER** trade mark printed in red on the back of each glove.

Men's Size
AB RT40—Weight per dozen pairs 2 $\frac{3}{4}$ lbs.
Per Pair \$0.37



Brown jersey, with rubber dipped palms—give excellent service. Plain brown elastic knit jersey back, unlined, with brown rubber dipped palm and fingertips. Close-fitting brown knit wrist.

Men's Size
AB RJ0—Weight per dozen pairs 1 $\frac{3}{8}$ lbs.....Per Pair \$0.27



Rubber palm, fingers and tips. Medium weight. Ventilated back (not dipped), rubber palm, fingers and tips; blue knit wrist. **KEEN KUTTER** trade mark printed in red on the back of each glove.

Men's Size
AY RO35—Weight per dozen pairs 2 lbs.
Per Pair \$0.25



Good quality fleece-lined cotton, black rubber dipped and vulcanized. Navy blue knit wrists.

Men's Size—Medium Weight
AY R250—Weight per dozen pairs 2 $\frac{1}{4}$ lbs.....Per Pair \$0.25

One dozen pairs in a carton.

*STOCK AND DISPLAY SHELF FOR GLOVES



Combination Display and Stock Glove Fixture.

Handy, attractive, economical!

This modern, space-saving, time-saving fixture keeps gloves constantly on display, visible from all four sides, insuring almost automatic selling.

Seasoned wood and plywood frame with steel partitions. Size 29 inches wide, 20 inches high. Brown Duco finish.

Included free with orders for 50 dozen or more gloves, shipped from factory.

***AX 50SDS**—Weight each 12 lbs.

Shipped with gloves. Shipped knocked down, easily assembled with screw driver.

This free offer applies only to Gloves and Mittens shipped from Minneapolis, Minn., and Louisiana, Mo.

Goods marked thus () are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

OILERS

The Right Oiler for Every Kind of Household and Commercial Use

MOWING MACHINE

SIMMONS

Wide mouth type.

Copperized one-piece stamped steel body with seamed spring steel bottom. 4-inch screw spout with leather washer. Height of body 3 3/4 inches, diameter 2 7/8 inches.

Capacity 3/4 pint.

AB S1140—Straight Spout.....Each \$0.15

AB S1140BS—Bent Spout.....Each .15



WIDE MOUTH TYPE

BLUE JAY

Economy model that gives you excellent service.

The lithographed blue drawn body is made of one-piece seamless IX tin with double seamed spring bottom. Lettered in white. Screw spout 4 inches long with leather washer. Wide mouth opening 1 1/2 inches. Height of body 4 inches, diameter 3 inches. Height over all 7 3/4 inches.

Capacity 3/4 pint.

AB 11BJ—Straight spout.....Each \$0.12

AB 12BJ—Bent spoutEach .12



POPULAR

Full tinned finish seamless one-piece drawn steel body with double seamed heavy spring tin bottom. Wide mouth, heavy steel spout 4 inches long. Body height 3 3/4 inches, diameter 3 inches. Height over all 7 3/4 inches.

Capacity 3/4 pint.

AB 77T—Straight spoutEach \$0.10

AB 77TBS—Bent spoutEach .10



One dozen in a carton.
Weight per dozen 3 lbs.



FULL SIZE PATTERN

Seamless one-piece drawn steel body, with double seamed heavy spring tin bottom. Wide mouth, extra heavy tinned steel spout 4 inches long. Body height 3 3/4 inches, diameter 3 inches. Height over all 7 3/4 inches. Capacity 3/4 pint.

IMPRINTED AT NO EXTRA CHARGE

Dealer's name, character of business and address printed on these oilers—no charge when ordered in lots of one gross or more.

‡ AB 773—Assortment: Consists of one gross oilers—1/3 gross each enameled red, green and blue. Weight per gross 40 lbs.....Each \$0.15

One assortment in a fibre box.

‡ Goods marked thus (‡) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

COPPERIZED STEEL WIDE MOUTH OPENING STRAIGHT SPOUT

Seamless drawn, extra fine cold rolled strip steel body, copper plated—retains bright finish. Double seamed spring steel bottom.

Heavy tinned steel straight spout and 1 1/2-inch wide mouth opening.



Nos.	Each	Diam.			Ht.		Wt.
		Cap., Pts.	Bot- tom, In.	Hgt. Body, In.	Spout, In.	Over All, In.		Per Doz., Lbs.
AB 12	\$0.15	1/4	2 3/4	1 3/4	2 1/2	4 1/2	2 1/4
AB 13	.19	1/8	3 3/8	2 1/8	3	4 7/8	2 3/4
AB 13A	.20	1/8	3 3/8	2 1/8	5	6 3/4	3 1/4
AB 14A	.23	1/2	3 3/4	2 1/2	3	5 1/4	3 1/2
AB 14AA	.25	1/2	3 3/4	2 1/2	5	7 1/8	3 3/4
AB 15	.30	1	4 1/4	3 1/4	3	6	4
AB 15A	.35	1	4 1/4	3 1/4	5	8	4 1/4

BENT SPOUT

Heavy tinned steel bent spout, with 1 1/2-inch wide mouth opening. Particularly suitable for interior oiling that is difficult to reach.

Seamless drawn, extra fine, cold rolled strip steel body, copper plated—durable, and retains its finish. Double seamed spring tin bottom.



Nos.	Each	Diam.			Ht.		Wt.
		Cap., Pts.	Bot- tom, In.	Hgt. Body, In.	Spout, In.	Over All, In.		Per Doz., Lbs.
AB 13AZ	\$0.19	1/8	3 3/8	2 1/8	5	6 3/4	3 1/2
AB 14	.23	1/8	3 3/8	2 1/8	9	10 3/4	3 3/4
AB 14B	.27	1/2	3 3/4	2 1/2	9	11 1/8	4 1/2
AB 16	.33	1	4 1/4	3 1/4	9	11 3/4	5

One dozen in a carton.

SEWING MACHINE

COPPER PLATED

Seamless steel body with seamed bottom. Threaded steel reinforced insert type straight spout 1 1/2 inches long. Diameter at bottom 1 1/8 inches; height over all 2 3/4 inches.

Capacity 1/2 Ounce

AB 100S—Weight per dozen 3/4 lb.....Each \$0.05



One dozen in a carton.

OILERS

The Right Oiler for Every Kind of Household and Commercial Use

EAGLE POPULAR SIZE



COPPER PLATED—WIDE MOUTH

Seamless drawn steel body, with spring steel bottom; wide mouth 1 1/4-inch opening; reinforced insert type copper-plated steel straight spout 4 inches long. Body height 2 inches, diameter at bottom 3 1/2 inches. Height over all 5 1/2 inches.

Capacity 1/3 Pint

AB 32—Weight per dozen 2 1/2 lbs. Each \$0.10



EAGLE DANDY
Ideal for automobiles, machine shops, household and general utility purposes.

COPPER PLATED
Seamless drawn steel body, with spring steel bottom. Reinforced insert type spout.

Assortment Consists of One Dozen:

One-third dozen No. AB 13A oilers—capacity 1/3 pint. Straight spout 5 inches long.

One-third dozen No. AB 14AA oilers—capacity 1/2 pint. Straight spout 5 inches long.

AB 14 oilers—capacity 1/3 pint. Bent spout 9 inches long.

AB 623—Assortment. Weight per assortment 4 lbs. Each Oiler \$0.25

EAGLE MIDGET ASSORTMENT



Handy household size. Convenient for sewing machines, appliances and any household equipment that requires oiling. Copper-plated steel oilers.

Assortment consists of:

3/8 doz. No. 254C oilers, 1/2 ounce capacity with 4 1/2-inch spouts.

1/2 doz. No. 274C oilers, 1 ounce capacity with 4 1/2-inch spouts.

AB ENM—Weight per assortment 1 lb. Each \$0.10

One dozen in an attractive display carton that opens like a book.

HANDY OILERS

Slightly bent spout, easier to reach inside parts. Keep one of these oilers handy.

COPPER PLATED

Seamless steel body, with seamed bottom. Threaded steel reinforced insert type bent spout 4 inches long. Diameter at bottom 1 1/2 inches. Height over all 5 inches.

Capacity 1/2 Ounce

AB 440—Weight per dozen 1 lb. Each \$0.05

One dozen in a carton.



EAGLE HANDY HOUSEHOLD



For your sewing machine, vacuum cleaner, lawn mowers, electric fans, small motors, vibrators, roller skates or guns.

COPPER PLATED

Seamless drawn steel body; spring steel bottom; reinforced insert type copper-plated steel straight spout. Body weight 1 1/4 inches, diameter at bottom 1 1/2 inches.

Assortment consists of: Two dozen oilers—one dozen each with 1 1/2 and 2-inch spouts.

Capacity 1/2 Ounce

AB 05—Assortment. Weight per assortment 1 1/8 lbs. Each \$0.07

EAGLE OILERS



An Eagle oiler for every oiling purpose. This assortment of twelve shows various types suitable for the different kinds of machinery or implements. Complete with attractive display stand done in black, yellow and red. Size 24x30 inches.

AB 1937—Assortment.

Weight per assortment 16 lbs.

Per Assortment

One display in a shipping carton.

Assortment Consists of:

1—05A—Copper plated household oiler.....	\$0.08
1—32—Copper plated general purpose oiler.....	.15
1—Economy—Enameled harvester or utility oiler..	.13
1—14B—Copper plated bench oiler.....	.35
1—4006—Welded steel bench oiler.....	.75
1—113F—Flexible spout bench oiler.....	.45
1—Tri-color—Handy oiler	1.00
1—66—Handy oiler	1.25
1—Rainbow—Imported hydraulic pump oiler.....	1.00
1—28A—Improved hydraulic pump oiler.....	1.80
1—2915—Improved hydraulic pump oiler.....	2.40
1—528—Flexible spout hydraulic pump oiler.....	1.95

One dozen in an attractive display carton that opens like a book.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

OILERS

The right oiler for every kind of household and commercial use.

PUMP OILERS

YEAR ROUND

Designed and built to operate efficiently when held in any position, in any temperature and in heaviest dust and dirt. Oil can be pumped one drop at a time and with same stroke shot 20 or 25 feet. Will not choke or balk at extreme cold and can be entirely emptied in any position.

Copper Plated

Body one-piece heavy gauge steel, copper-plated inside and outside. Bottom double seamed to dome, making a permanent leak-proof joint. Dual valves, incased in heavy brass cylinders, are firmly set in cast-brass case. Extra large filler cap on the side of oiler dome, making it more accessible for both filling and removing cap.



Extra heavy steel spout 10 inches long with extra heavy brass union at joint.

Guaranteed by the manufacturer against mechanical defects of any description.

Diameter of body at bottom $3\frac{1}{4}$ inches, filler opening $1\frac{1}{2}$ inches. Height over all $13\frac{3}{4}$ inches.

Capacity one pint

AB 1000—Weight per dozen 14 lbs. Each \$1.95

IMPROVED HYDRAULIC FEED

For ease in operation, serviceability, and durability this oiler is one of the best. Easy to clean.

Pumps any oil that will flow. Will deliver oil in a full stream or one drop under perfect control, the quantity is controlled by the pressure exerted on thumb lever.

Permits oiling in any angle from any position with the least effort, enabled by the position of handle and thumb lever. Positive in action.

All pump parts are removable, no soldered connections. No pump leathers are used. Pump is hydraulic type with machined and ground brass plunger and accurately fitted tube, making it possible to pump any oil that flows.



With Upright Spout

Nos.	Each	Lgth. Cap., Pts.	Diam. Spout, In.	Diam. Body, In.	Height	Wt.
					Over All, In.	Per Doz., Lbs.
AB 28	\$1.49	1	9	$3\frac{3}{4}$	$14\frac{1}{4}$	$13\frac{3}{4}$
AB 29	2.10	2	9	$4\frac{1}{4}$	$15\frac{1}{2}$	17
AB 2915	2.19	2	15	$4\frac{1}{4}$	$21\frac{1}{2}$	18

ENGINEERS' MODEL

With long spouts for oiling machinery with safety.

The choice of experienced engineers, millwrights and mechanics. Made with seamless drawn copper-plated cold rolled steel tank, and oval top, soldered to the lower section. Genuine double seamed bottom. The 1-inch threaded filler cap has vent hole. Flat steel handle $\frac{3}{8}$ inch wide, welded to the body.

Welded steel, reinforced insert type spout, 18 inches long, secured by solid brass bushing with cut threads. Diameter of body at bottom $4\frac{1}{4}$ inches. Height over all $23\frac{3}{4}$ inches.



Capacity two pints

AB 11—Weight per dozen $14\frac{1}{4}$ lbs. Each \$1.29

One-half dozen in a carton.

PUMP OILERS

HYDRAULIC FORCE FEED

Rainbow assortment.

Will deliver oil in full stream or a drop at a time under perfect control; pumps any oil that flows all year 'round.

The spout, pump and handle is one detachable unit, easily cleaned and assembled.

For use on tractors, threshers, automobiles, steam shovels, farm implements and machinery.



Seamless drawn steel body, tinned to prevent corrosion—enameled assorted colors—red, blue and green; genuine double seamed bottoms; new type detachable welded steel bent spouts $6\frac{1}{2}$ inches long, with brass couplings and machine-cut threads. New type one-piece handle and thread protector; spout and handle coppered.

Solid brass hydraulic pump—no leathers—machined and ground plunger and tube; ball valves. Height over all $9\frac{3}{8}$ inches.

Capacity $\frac{3}{4}$ pint

AB RD1—Assortment: consists of six oilers—assorted colors, red, green and blue. Weight per assortment $4\frac{3}{8}$ lbs. Each \$0.85

One assortment in a display carton.

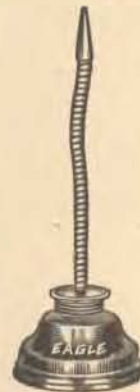
FLEXIBLE SPOUT OILERS

Get into those inaccessible places that cannot be reached with rigid spout oilers. Give excellent service in garages, service stations, factories, farms and homes.

Seamless drawn one piece highest grade cold rolled steel body and collar with heavy rolled thread; wide mouth opening $1\frac{1}{2}$ inches. Guaranteed genuine double seamed spring steel bottom; spouts are $\frac{3}{8}$ -inch asbestos lined rustless flexible steel tubing with new sleeve type metal tips, length 8 inches. Diameter at bottom $3\frac{1}{2}$ inches; height to top of collar $2\frac{1}{2}$ inches.

Capacity $\frac{1}{2}$ Pint

AB 32F—Weight per dozen $3\frac{3}{8}$ lbs. Each \$0.25



One dozen in a carton.

ENGINEERS' FILLERS

Convenient for filling large oil cups and sight feed oilers where frequent heavy oiling is necessary. Withstand heavy duty.

Highest grade, cold rolled, copper plated steel body, with genuine double seamed bottom. Easily

filled through 1-inch filler opening, with threaded filler cap. Flat steel welded handle easy to grip. Seamless welded steel spout $6\frac{3}{8}$ inches long. Diameter at bottom $5\frac{1}{2}$ inches. Height to top of collar $4\frac{3}{8}$ inches.



Capacity 1 Quart

AB 210—Weight per dozen 13 lbs. Each \$1.59

One-half dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SHOE LASTS AND STANDS

With Three Reversible Lasts

Japanned cast iron stand 13½ inches high. Three lasts one each 9x2½ inches; 7x2½ inches and 5½x2½ inches.
AB 23—Weight per dozen
 120 lbs. Each \$0.89



Six dozen in a barrel.

With Four Reversible Lasts

Japanned cast iron stand 13½ inches high. Four lasts, one each 10x3 inches; 9x3 inches; 7x2½ inches; 6x2 inches.
AB 24—Weight per dozen 157 lbs..... Each \$1.19

Four dozen in a barrel.

With Three Reversible Lasts

Japanned cast iron stand 24 inches high. Three lasts, one each 9x2½ inches; 7x2½ inches; 5½x2½ inches.
AB 26—Weight per dozen 150 lbs..... Each \$1.29

Three Reversible Lasts

Red enameled cast iron stand 12 inches high. Three lasts, one each 5½x2 inches; 7x2½ inches; 8½x2½ inches.
AB 323—Weight per dozen
 78 lbs. Each \$0.89



Seven dozen in a barrel.

Four Reversible Lasts

Japanned cast iron stands 24 inches high. Four lasts, one each 10x3½ inches; 9x2½ inches; 7x2½ inches; 5½x2½ inches.
AB 28—Weight per dozen 175 lbs..... Each \$1.50

Two and one-half dozen in a barrel.

ADJUSTABLE

Eliminates tilting stand when necessary to work on edges of toe or heel of shoe. The top section of stand is round and has a number of grooves or cogs. Lasts have two heavy lugs inside which fit into the grooves on stand, enabling adjustment of lasts to three different positions.



Four Reversible Lasts

Red enameled gray iron stand 24 inches high. Four lasts, one each 5½x1¾ inches; 6¾x2¾ inches; 8x2¾ inches; 9¼x3 inches.
AB 68—Weight per dozen 170 lbs..... Each \$1.79

Packing—bulk.

LAP LASTS

Combination — for men's, boys', women's and girls' shoes.

Cast iron, japanned; in two parts; shoe lasts 6x3 inches and 4½x2¼ inches. Removable heel last fits in socket on shoe last; shoe last 7¼x6¾ inches. Heel last extends 5 inches.
AB 1—Weight per dozen
 66 lbs. Each \$0.79



Packing—bulk.

BABY SOLE LEATHER STRIPS

SIMMONS

Each piece contains sufficient leather to make one pair of men's large soles.

Average size of strip 4½x14 inches long. The package is 2¼ inches high.

AB S5—Oak tanned clear leather. Weight per package 5 lbs..... Per strip \$0.23



One dozen in a package.

SOLE LEATHER STRIPS

Shoes resoled with these fine quality leathers will give you many more walking miles of service—and at the same time retain the new-looking shape of your shoes.

SIMMONS



This extra good bend leather is tanned by the best known process, smoothly finished. Neat in appearance and long-wearing.

Heavy weight; every strip guaranteed to be best quality.

Size 8¼ inches wide and 20 to 30 inches long.

AB S40—Oak tanned. Weight per dozen strips 18 lbs..... Per Lb. \$0.79

SIMMONS



Medium weight leather, smoothly finished; good wearing qualities. Size 6½ inches wide by 18 to 25 inches long.

AB S10—Oak tanned. Weight per dozen 10 lbs. Per Lb. \$0.59

Size 8¼ inches wide by 18 to 25 inches long.

AB S20—Oak tanned. Weight per dozen 12 lbs. Per Lb. \$0.59

25 lbs. in a package.

ALLEN'S UNION



Tanned and finished by the best known process, this smooth finish, neat looking, medium weight leather has long-wearing qualities. Guaranteed as to quality.

Strips are 8½ inches wide and 20 to 30 inches long.

AB A—Bark Tanned. Weight per bundle 25 lbs. Per Lb. \$0.98

Eight bundles in a bale.



CHROME OAK—WATER-PROOF

Combination chrome and oak tanned—will not absorb moisture to any great extent. Has unusually fine wearing qualities and permits smooth finish edges. Will not mash down.

Size 8½ inches wide and 18 to 25 inches long.

AB 30—Chrome oak tanned. Weight per dozen 12 lbs..... Per Lb. \$0.79

25 lbs. in a package.

LEATHER SHOE SOLES OR SQUARES KLICHER



Men's square cut, union tanned clear leather, size 6¼x8¼ inches.

Nos.	Each	Height Pkg., Ins.	Wt. Per Pkg. Lbs.
AB 130K	\$0.19	1½	3
AB 135K	.23	1¾	3
AB 140K	.25	2	4
AB 145K	.29	2¼	4½

One dozen in a package.

Sold Only in Full Packages

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

LEATHER SHOE SOLES OR TAPS

SIMMONS



Die-cut in shape of shoe sole—easy to use. Oak tanned clear leather, straight die cut.

FOR MEN'S SHOES

Nos.	Per Pair	Height Stack, Inches	Weight	Wt. Per Dozen Pairs
AB S240	\$0.19	4	Medium	3 1/4
AB S245	.23	4 1/2	Heavy	3 1/2
AB S250	.29	5	Heavy	4

One dozen pairs, assorted sizes, 10 to 13 in a package.

FOR WOMEN'S SHOES

Nos.	Per Pair	Height Stack, Inches	Weight	Wt. Per Dozen Pairs
AB S430	\$0.10	3	Light	1 1/2
AB S435	.13	3 1/2	Medium	2

One dozen pairs, assorted sizes, in a stack (4 pairs No. 3; 5 pairs No. 5; 3 pairs No. 7).

SOLD ONLY IN FULL PACKAGES.

KLICKER



FOR MEN'S SHOES

Union tanned clear leather, round cut, easy to put on.

Nos.	Per Pair	Weight	Height Stack, Inches	Weight Per Doz. Pairs, Lbs.
AB 35K	\$0.12	Light	3 1/2	3
AB 40K	.17	Medium	4	3 1/4
AB 45K	.20	Heavy	4 1/2	3 1/2
AB 50K	.25	Extra Heavy	5	4

One dozen pairs, assorted sizes, 10 to 13, in a package.

FOR WOMEN'S SHOES

Union tanned clear leather, straight die cut.

Nos.	Per Pair	Weight	Height Stack, Inches	Weight Per Doz. Pairs, Lbs.
AB 330K	\$0.09	Light	3	1 3/4
AB 335K	.10	Medium	3 1/2	2

One dozen pairs, assorted sizes, in a stack (4 pairs No. 3, 5 pairs No. 5, 3 pairs No. 7).

FOR MEN'S SHOES

Clear, oak sole leather, straight die cut. Strong and tough.

AB 65—5 inches high. Extra heavy weight. Weight per dozen pairs 4 1/2 lbs. Per Pair \$0.29

One dozen pairs (size 12 only) in a package.

LEATHER SHOE SOLES OR TAPS



Guaranteed solid oak leather soles—"tough tanned" for extra long wear. Complete with enveloped nails. An exceptional value at the low price. Retail prices on each pair.

Assortment of 5 dozen pairs consists of 1 dozen pairs each:

	Per Pair
Ladies' size 7 (3 1/2 inches high)	\$.10
Boys' size 7 (3 1/2 inches high)	.15
Men's assorted sizes 10 to 13 (3 inches high)	.15
Men's assorted sizes 10 to 13 (3 1/2 inches high)	.20
Men's assorted sizes 10 to 13 (4 inches high)	.25
AB 5—Assortment. Weight per assortment 20 lbs.	Per Assortment

One assortment in an attractive display cabinet.

SHOE SOLES

FLEXSOLE

Leather—Stick-On

You can easily and quickly put these new soles on your shoes, avoiding colds from wet feet, and making it possible to get a lot more wear out of your shoes.

They are light weight, flexible and easy on your feet. The genuine double tanned oak chrome leather will wear remarkably well and stand up under the hardest kind of use.

Nos.	Per Pair	For
AB FSW	\$0.19	Women
AB FSB	.23	Boys
AB FSM	.25	Men

Weight per box 3 lbs.

Each pair mounted on a green and red card with two tubes of cement and a metal scraper.

One dozen pairs in a box.



LEATHER SHOE LACES

PAWNEE

For sportsmen, loggers, hunters. Perfect for all types of work boots.

High-grade leather, Indian tanned.

Will stand the roughest wear.

Laces are securely attached to card.

Nos.	Per Pair	Length, Inches	Width, Inches	Weight Per Doz. Pairs, Lbs.
AB PL72 1/8	\$0.19	72	1/8	1 1/8
AB PL72 3/16	.23	72	3/16	1 1/8

One dozen pairs on an attractive display card 7 1/4 x 14 inches.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

RUBBER SOLES

DOWNY—WATERPROOF



Can be sewed or nailed on—best results obtained by sewing.

A high-grade black rubber composition sole made on the Munson pattern (wide shape) heavily corrugated, non-slip. Will give extremely long wear.

AB D713—Weight per dozen pairs $7\frac{1}{2}$ lbs. Per Pair \$0.19

One dozen assorted sizes (2 pairs, size 7; 4 pairs, size 9; 4 pairs, size 11; 2 pairs, size 13) in a cardboard box.

BONUS



Can be sewed or nailed—best results are obtained by sewing.

Good grade black rubber composition soles that will be found serviceable and very satisfactory.

Made in a wide shape pattern, with deeply embossed bottom.

AB B100—Weight per dozen pairs $7\frac{1}{2}$ lbs. Per Pair \$0.15

One dozen assorted in a carton—3 pairs, size 7; 4 pairs, size 9; 3 pairs, size 11, and 3 pairs, size 13.

U-STIK-ON

- Easy to put on.
- Cuts shoe bills.
- Waterproof—keeps feet dry.
- Wears long—non-skid.

Good quality flexible black rubber for cementing on old or new leather soles.

The top of each sole is covered with raw gum rubber and covered with cloth strip which should be removed when applying. Each pair furnished complete with one metal roughener and one tube of cement; all mounted on attractive card.

10c Per Pair

AB 12B—Boot size.
AB 12ML—Men's, large size.
AB 12MM—Men's, medium size.
AB 12WY—Women's and youths' sizes.

Weight per dozen pairs $3\frac{1}{2}$ lbs.

One dozen cards in a cardboard box.



RUBBER HEELS



DOWNY

Very resilient and long wearing.

Strong, flexible, good quality rubber. Non-skid, the raised cones hold tightly on wet sidewalks.

FOR MEN'S SHOES
WHOLE HEELS $\frac{7}{8}$ -INCH HIGH
15c Per Pair

BLACK for black shoes		TAN for tan shoes		Nos.	Nos.	Nos.	Nos.
AB DWB910	AB DWT910	AB DWB1011	AB DWT1011				

Average weight per dozen pairs $6\frac{1}{2}$ lbs.

HALF HEELS $\frac{7}{16}$ -INCH HIGH
10c Per Pair

BLACK for black shoes		TAN for tan shoes		Nos.	Nos.	Nos.	Nos.
AB DHB78	AB DHT78	AB DHB910	AB DHT910				
AB DHB1213	AB DHT1213						

Average weight per dozen pairs 5 lbs.

FOR LADIES' SHOES
HALF HEELS $\frac{3}{4}$ -INCH HIGH
10c Per Pair

BLACK for black shoes			
Nos.	Sizes	Nos.	Sizes
AB C3/0	000	AB C3	3
AB C2/0	00	AB C5	5
AB C1	1	AB C7	7

Average weight per dozen pairs 2 lbs.

One pair in a carton, six dozen pairs in a box.

STAR HEEL PLATES

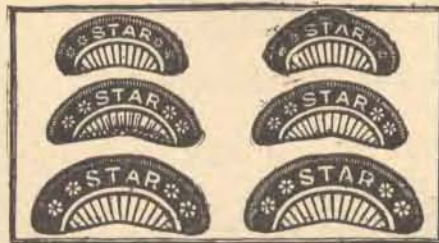


Saves on wear and keeps heels straight.

Self-colored malleable iron with three thin prongs—do not damage the heel.

Nos.	Per Pair	Length, Inches	Width, Inches	Thick, Inches	Wt. Per Gross, Lbs.
AB 000	\$0.05	$\frac{5}{8}$	$\frac{1}{8}$	$\frac{3}{8}$	1
AB 0	.05	1	$\frac{1}{8}$	$\frac{3}{8}$	2
AB 2	.05	$1\frac{1}{8}$	$\frac{5}{8}$	$\frac{1}{2}$	4
AB 3	.07	$1\frac{3}{8}$	$\frac{3}{4}$	$\frac{1}{4}$	$5\frac{1}{2}$
AB 4	.07	$1\frac{1}{2}$	$\frac{7}{8}$	$\frac{3}{8}$	$7\frac{1}{4}$
AB 5	.07	2	$\frac{7}{8}$	$\frac{3}{8}$	9
AB 6	.09	$2\frac{1}{4}$	$1\frac{1}{8}$	$\frac{1}{8}$	$15\frac{1}{2}$

One-quarter gross pairs in a carton.



ON CARDS

Each card consists of three pairs of star heel plates—one pair each Nos. 2, 3 and 4.

AB $5\frac{1}{2}$ C—Weight per gross cards 21 lbs. Per Card \$0.15

One dozen cards in a bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

PLASTIC SHOE REPAIR KITS

SO-LO—PERFECTED



The new plastic that gives longer wear to your shoes. Keeps your feet dry! Absolutely waterproof and is not affected by barnyard acids.

Also excellent for repairing auto tires, auto tops, rubber boots and other rubber, leather or cloth articles.

Kit contains:

- 1 can (¼ pint) of So-Lo.
- 1 ¾-ounce tube blue bond rubber cement.
- 1 scraper.

All in an attractive two-color display box.

AB 225J—Weight per dozen 9¼ lbs.....Each \$0.25

Six dozen in a carton.

SEWING AWLS



MYERS LOCK STITCH

Sews with a lock stitch and will be found a very satisfactory

tool for sewing shoes, saddles, harness, awnings, tents, carpets, gloves, and canvas of all kinds.

Stained hardwood hollow handle, with steel nickel plated frame. Reel and clamp nut for holding needle in position. Reels wound with waxed thread ready for sewing. Complete with two diamond point needles, one straight and one curved, both of which are grooved the entire length for the thread to run through. This avoids breaking the thread. Combination screw driver and wrench furnished for tightening the clamp which holds the needle, also for removing the reel for refilling. Length with needle inserted 7 inches.

AR M—Weight per dozen 3 lbs.....Each \$0.50

One in a carton, with directions for use.

EXTRAS FOR No. AR M SEWING AWL

NEEDLES—DIAMOND POINT

AB 5—Fine straight. Weight per dozen ⅛ lb.....Per Dozen \$0.10

AB 6—Regular curve. Weight per dozen ⅛ lb.....Per Dozen .10

AB 8—Regular straight. Weight per dozen ⅛ lb.....Per Dozen .10

WAXED THREAD—25-YARD SKEINS

AB ST—Weight per dozen ¼ lb.....Each \$0.20

Packing—bulk.

SHOE THREAD



BARBOUR'S best Irish flax. Half bleached.

AB 10HB—1 ounce balls....Per Ball \$0.29

COLUMBIA. Flax, half bleached.

AB 1—1 ounce balls...Per Ball \$0.19

One pound in a cardboard box. 4 boxes in a package.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SHOE PASTE

BARTON'S



Cleans, shines and waterproofs shoes. Will not rub off on clothing or stain the hands.

This high-grade paste has Neatsfoot oil in its composition, which softens and lubricates the leather. In beautifully lithographed cans with handy key opener. Comes in 1-ounce cans.

AB BB—BlackEach \$0.10

AB BBR—BrownEach .10

One dozen in a carton; twelve dozen in a case.

SHOE POLISH

BARTON'S DYANSHINE

- Retones the color.
- Covers scuffs and scars skillfully.
- Shines perfectly.
- Easily applied.



Economical in price. Good for the shoes. The neatsfoot oil in the composition lubricates the leather.

Comes in 3¼-ounce bottles with dauber attached to cork. Each bottle in individual carton.

AB DB—BlackEach \$0.25

One dozen in a carton; six dozen in a case.

SHOE POLISH

BARTON'S BELLE MODE

Cleans and polishes white leather shoes easily.

An extra high-grade polish with good covering qualities that keeps white shoes clear and white.

The 3¼-ounce bottles come in individual cartons.

AB BW—White....Each \$0.25



One dozen in a carton; three dozen in a case.

BARTON'S OIL-GLOW

The black liquid polish that will not wash off when shoes get wet.

This liquid polish stains the leather and helps to cover scuffs and scars; contains neatsfoot oil to lubricate the leather and keep it soft.

In 2½-ounce bottle with dauber attached to cork. Each bottle in individual carton.

AB OB—BlackEach \$0.19

AB OW—WhiteEach .19

One dozen in a carton; six dozen in a case.



Dazey Hand and Electric Churns

Make Delicious, Rich, Creamy Butter

- Light running—easy to operate.
- Sanitary, easy to clean—the tank and dasher may be easily and quickly detached for convenience in washing and sunning.

You'll make the finest granular butter you ever made with this churn with its specially designed turbine dasher, just follow the instructions carefully.

Attractive and sanitary in appearance. Sturdily constructed with copper-bearing charcoal tin tank, triple tin-plated, heavily soldered, blue enameled outside and tinned inside. The cast gray iron base, frame, gears, and solid steel center brace rods are finished in two coats of bright aluminum. The seasoned white maple two-piece cover, natural varnished finish with enameled wood knobs. Seasoned white maple four-blade removable turbine dasher, smoothly grooved and nalled, with steel dasher rod.



TANK IX TRIPLE-PLATED TIN

The cast iron flywheel has a comfortable, varnished wood handle. Two heavy solid steel stay rods on each side. With nickel-plated cork lined screw cap drain at bottom of tank.

Capacity 2 gallons: Churning capacity 1 gallon. Size of tank 7x7x10 inches. Spread of base 8 inches. Diameter of flywheel 8½ inches. Height over all 21 inches.

AB 200DZ—Weight each crated 14 lbs.....Each \$3.95

Capacity 3 gallons: Churning capacity 1½ gallons. Size of tank 7¾x7¾x11¼ inches. Spread of base 10 inches. Diameter of flywheel 10 inches. Height over all 25 inches.

AB 300DZ—Weight each crated 22 lbs.....Each \$5.45

FLAT FACE FLYWHEEL

Nickel-plated brass faucet at the bottom of tank.

Capacity 4 gallons: Churning capacity 2 gallons. Size of tank 8½x8½x13 inches. Spread of base 11 inches. Diameter of flywheel 10 inches. Height over all 27 inches.

AB 400DZ—Weight each, crated 25 lbs.....Each \$6.45

Capacity 6 gallons: Churning capacity 3 gallons. Size of tank 9½x9½x15 inches. Spread of base 12 inches. Diameter of flywheel 11½ inches. Height over all 31 inches.

AB 600DZ—Weight each, crated 35 lbs.....Each \$7.95

One in a crate.



TANK XX TRIPLE-PLATED TIN

With flat face flywheel.

The cast iron flywheel has a comfortable, varnished wood handle. Made with two heavy steel stay rods on each side, and nickel-plated brass faucet at bottom of tank.

Capacity 10 gallons: Churning capacity 5 gallons. Size of tank 11½x11½x18 inches. Spread of base 15 inches. Diameter of flywheel 14 inches. Height over all 39 inches.

AB 1000DZ—Weight each, crated 58 lbs.....Each \$12.75

One in a crate.

EXTRAS FOR DAZEY CHURNS

Round Belting ¾ inch

AB 516B—Weight per foot ¾ lb.....Per Foot \$0.39

Packing—bulk.

THE DAZEY ELECTRIC

TANK XX TIN

- Churns smoothly and evenly—makes perfect butter.
- Operates easily, saves time and labor.
- Built to the high specifications of all Dazey products.

Complete with guaranteed high-grade electric motor, conveniently and accessibly attached to bottom of base. Heavily insulated attachment cord 10 feet long, with attachment plug. Round leather belt.

Two heavy steel stay rods on each side. Nickel-plated brass faucet at bottom of tank. Steel gear cover.

Motor is standard equipment. Alternating current 110 and 220 volts, 60 cycle, single phase. Special motors can be supplied at an extra charge.

Note: When ordering electric churns with motors for alternating current, be sure to specify voltage, cycles and phase.

Nos.	Each	Capacity of Tank, Gallons	Churning Capacity, Gallons	Size of Tank, Inches	Height Over All, Inches	Spread of Base, Inches	Motor, Horse Power	Weight Each, Crated, Lbs.
# AB 450M	\$40.75	4	2	8¾x8¾x13	31	13½	⅛	70
# AB 650M	45.75	6	3	9½x9½x14¾	34	14½	¼	80
# AB 1050M	49.75	10	5	11¾x11¾x18	36	16¼	¼	100

One in a crate.

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SIMMONS CHURNS



THE FAMILY SIZE ALUMINUM DASHER

This quick action churn produces fine grain butter in a few minutes. May also be used for whipping cream and mixing dressings. Easy to use and absolutely sanitary. The metal dasher does not absorb butter fat nor impart a metallic taste.

Aluminum finish cast iron frame and gears securely riveted to heavy steel nickel-plated

screw cap. Improved two-blade quick action dasher. Substantial, clear crystal smooth glass jar, with rounded corners.

Capacity 1 gallon. Churning capacity 4 pints. Size of jar 5 3/8 x 9 1/2 inches. Height over all 13 3/8 inches.

AB S169A—Weight per dozen 66 lbs. Each \$1.95

One in a carton. One-half dozen in a case.

EXTRA GLASS JARS FOR No. AB S169A CHURNS

AB S169—One gallon. Weight per dozen 50 lbs. Each \$0.79

One dozen in a carton.

A NEW Keen Kooker CAST IRON RANGE

Will Give You Better, Faster Cooking

CHURNS

DAZEY—FAMILY MODEL

Churns, Whips and Mixes!



Patented removable strainer—the exclusive Dazey feature, makes these churns the most efficient and best buy on the market. No need to unscrew top to take cream temperature, to observe progress of churning, to strain off buttermilk, or to add or strain off wash water. This removable strainer is the only one that permits all these things to be done and with a remarkable saving of time.

Streamlined, clear tempered glass jar, has no upper corners to collect unchurned cream. Will not break easily.

Smooth running gears—churns smoothly, quietly and with little effort.

Long life cover—screw cap of thick copper-bearing dairy metal, heavily tinned, is sanitary, easy to clean and adds years of service.

Quality dasher—made of highest quality, thoroughly seasoned, hard white Northern maple. Reduces absorption, more sanitary, and is scientifically adjusted for efficient butter production.

Approved by Good Housekeeping Institute.

Nos.	Each	Hgt. Butter		Wt.
		Gross Cap., Qts.	Over Churn, Inches		Per Doz., Qts. Lbs.
AB 20G	\$1.59	2	12 3/8	1 60
AB 40G	2.39	4	14 3/8	2 82
AB 60G	2.95	6	15	3 95
AB 80G	3.69	8	16	4 120

One-third dozen in a double corrugated case.

EXTRA GLASS JARS FOR DAZEY CHURNS

Nos.	Each	Size of Jar,	Weight
		Inches	Per Doz., Lbs.
AB 20GJ	\$0.60	4 3/4 x 8	40
AB 40GJ	.95	6 x 9	58
AB 60GJ	1.20	6 3/4 x 10 1/4	70
AB 80GJ	1.45	7 3/4 x 10 3/4	85

One-half dozen in a double corrugated case.

Directions for Operating With Each Churn.

THE PRICE CHURN

(Made by Dazey Mfg. Co.)

A popular priced churn designed to do satisfactory churning.

Well constructed with all the essential parts, comparable to many higher priced churns. Clear glass jar. Aluminized finish, cast iron gear frame with hand grip riveted to the tinned steel stamped threaded screw cap top. Cast gears. Cast iron crank with comfortable natural finish hardwood handle. Hardwood four-paddle turbine dasher, smoothly grooved and nailed, on steel dasher rod.

Capacity 4 quarts. Churning capacity 2 quarts. Size of jar 6x9 inches.

AB 40DP—Weight per dozen 73 lbs. Each \$1.39

One in a carton.

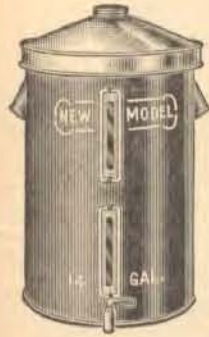
EXTRA GLASS JARS FOR PRICE CHURNS

AB 40DPJ—4-Quart. Weight per dozen 50 lbs. Each \$0.59

One-half dozen in a case.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

CREAM SEPARATORS



- Will separate cream from milk in from 3 to 5 hours, depending on quality of the milk.
- Easy to use—operates by adding cold water or ice into the milk in equal parts.

The reversible combined cover and strainer permits free ventilation and may be used to strain milk into the can.

NEW MODEL

Sanitary, easy to clean finish. The body is blue enameled, the cover has an aluminum finish.

New process non-pin-holding 3A bright charcoal tin plate, seamed and soldered, with deep concave bottom; nickel plated faucet, soldered tin side handles and removable glass gauges.

Nos.	Each	Cap., Qts.	Diam., Ins.	Height, Ins.	Wt., Lbs.
AB 10	\$4.95	40	14¼	14½	10
AB 14	5.45	56	14¼	19½	12



MARVEL

The deep cone bottom permits drawing off all milk before cream reaches faucet.

Nos.	Each	Cap., Qts.	Height			Wt., Lbs.
			Diam., Can, In.	Ht., Can, In.	Over All, In.	
AY 1	\$3.98	40	12½	26	27	14
AY 2	4.69	56	15½	25	26¾	16
AB 3	6.39	72	17½	24½	26½	19
AB 4	6.95	84	17½	25½	26½	19½
AB 5	7.75	96	17½	28½	29	20

One in a carton.

DASH CHURN DASHERS



For old-fashioned wood churns. Sturdily made with cross on long handle.

AB 0SD—Weight per dozen 14 lbs.....Each \$0.25

Packing—bulk.

MILK COOLER AND AERATOR

SUPERIOR

With filter strainer.

Removes the animal heat and all odors arising from the absorption by the milk of stable or other unpleasant gases; reduces the temperature of the milk to almost the temperature of the water.

Cooler and strainer are quickly and easily cleaned.

The cooling drum, with an inlet and overflow pipe for water, with outlet tube at one side is provided with an agitator to keep drum cool. The inside is coated with anti-rust paint. Milk receiver or pan sets tightly on the cooling drum. It has perforations at regular intervals to allow the milk to flow in fine streams down over the drum, the combined streams forming a thin sheet of milk.



Made with a heavily coated charcoal tin, with heavy galvanized sheet steel bottom; securely soldered seams; heavily wired trough and upper rim. Complete with heavy charcoal tin filter strainer that has two perforated screw caps each with 227— $\frac{1}{16}$ -inch perforations. The inner cap is concaved to break force of milk before it strikes disc. Requires a 6-inch cotton filtering disc which is held between the screw caps.

Nos.	AB 18	AB 34
Capacity of Milk Receiver, Qts.	18	34
Size of Dairy, Cows	1 to 25	25 to 50
Takes Care of Milkers	3	5
Height Over All, Inches	26	30½
Diameter at Bottom, Inches	25	29
Weight Each, Lbs.	23	33
Each	\$6.95	9.45

One in a crate.

MILK STIRRERS

SOLAR—STURGES



Extra strong and durable, heavily tinned after being made. Sanitary, easy to clean.

Rod flanged out at bottom and welded to disc so it cannot break away, loosen or twist. Handle loop large and roomy. Length rod 25 inches. Bowl 5¼ inches in diameter, perforated with 14 holes ½ inch in diameter.

AB 25—Weight per dozen 10½ lbs.....Each \$0.59

Packing—bulk.

MILK DIPPERS



Extra heavy block tin. All seams securely soldered. Length of handle 18 inches.

Nos.	Each	Capacity	Weight Each, Lbs.
AB 1P	\$1.25	1 Pint	1½
AB 1Q	1.35	1 Quart	2½

Packing—bulk.

MILK TESTERS

SOLAR—STURGES



Extra strong and durable, heavily tinned after being made. Sanitary, easy to clean.

Rod flanged out at bottom and welded to disc so it cannot break away, loosen or twist. Handle loop large and roomy. Length rod 25 inches. Solid bowl with lip 5¼ inches in diameter.

AB 30—Weight per dozen 12 lbs.....Each \$0.59

Packing—bulk.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

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DAIRY PAILS

SIMMONS



Very high quality—smoothly soldered inside on the ears, and smoothly finished. High grade, full weight charcoal tin, Morris finish, double seamed and soldered. Heavily wired top rim and bottom roll for added strength. Extra deep foot. Extra heavy wide steel ears, heavily riveted. Tinned wire ball.

XXXX TIN

Nos.	Each	Actual Dia.			Wt. Per Doz., Lbs.
		Cap., Qts.	Top, Ins.	Depth, Ins.	
AB SD12	\$0.89	13	11 $\frac{7}{8}$	10 $\frac{1}{8}$	52
AB SD14	.95	15	12 $\frac{3}{8}$	10 $\frac{7}{8}$	55

IXX TIN

Heavy tinned wire ball.

No.	Each	Actual Dia.			Wt. Per Doz., Lbs.
		Cap., Qts.	Top, Ins.	Depth, Ins.	
AB SF212	\$0.59	13	11 $\frac{7}{8}$	10 $\frac{7}{8}$	34 $\frac{1}{4}$

One-half dozen in a carton.

SANITARY SOLDERED IX TIN—BRIGHT

Sanitary and easy to clean.



Has no cracks or crevices—smoothly soldered inside and outside. Bright tin plate, seamed and soldered. Heavy wired top rim. Turned bottom edge. Deep foot. Tinned steel ears. Tinned wire ball.

Nos.	Each	Cap., Qts.	Dia.		Wt. Per Doz., Lbs.
			Top, Ins.	Depth, Ins.	
AB 201SS	\$0.69	12	11 $\frac{3}{4}$	9 $\frac{1}{2}$	27 $\frac{1}{2}$
AB 202SS	.75	14	12 $\frac{1}{2}$	9 $\frac{3}{4}$	30

One dozen in a fibre carton.

IX TIN



Bright tin plate, double seamed and soldered. Wired top rim. Reinforced bottom rim. Deep foot. Steel ears, riveted. Tinned wire ball. Diameter at top 11 $\frac{1}{8}$ inches, depth 9 $\frac{1}{8}$ inches.

Capacity 13 Quarts

AB SF112—Weight per dozen 31 lbs.Each \$0.45

One-half dozen in a carton.

DAIRY SPECIAL IX TIN—BRIGHT



Bright tin plate, seamed and soldered. Heavy wired top rim. Concave bottom, turned bottom edge. Deep foot. Heavy tinned steel ears, riveted. Heavy tinned steel wire ball.

Nos.	Each	Cap., Qts.	Dia.		Wt. Per Doz., Lbs.
			Top, Ins.	Depth, Ins.	
AY 180	\$0.29	8	9 $\frac{3}{4}$	8 $\frac{1}{2}$	18 $\frac{1}{2}$
AY 200	.30	10	11 $\frac{7}{8}$	8 $\frac{3}{8}$	27
AY 201	.33	12	11 $\frac{1}{8}$	9 $\frac{1}{8}$	29 $\frac{1}{4}$
AY 202	.44	14	12 $\frac{1}{2}$	9 $\frac{3}{4}$	32

One dozen in a fibre carton.

HOODED

Sanitary and easy to clean.



Has no cracks or crevices—smoothly soldered inside and outside.

Extra fine, high-grade charcoal tin, double seamed and soldered. Wired top rim ($\frac{1}{4}$ -inch wire). Reinforced extra strong bottom. Heavy tinned steel ears, riveted and soldered. Plain tinned wire ball.

Full capacity 14 quarts. Height 11 $\frac{3}{4}$ inches, diameter at top 12 inches, hood opening 5 $\frac{3}{8}$ x9 inches, diameter of ball $\frac{3}{8}$ inch.

AB IX14H—Weight per dozen 51 lbs.....Each \$1.35

One in a carton.

SWISS—EXTRA LONG PATTERN



Charcoal tin body, double seamed and soldered. Heavy wired top rim for added strength. Turned raised bottom. Tinned ears, riveted. Extra heavy tinned steel wire ball.

Diameter bottom 8 $\frac{3}{8}$ inches.

Nos.	Each	Quality Tin	Cap., Qts.	Ht., Ins.	Diam. Top, Ins.	Per Doz., Lbs.
AB 16SP	1.10	IXX	16	13	12	54

One-half dozen in a crate.

STANDARD



IX tin, seamed and soldered. Wired top rim. Concave bottom, turned bottom edge. Deep foot. Tinned steel ears, riveted. Seven-gauge tinned steel wire ball.

Capacity 12 quarts. Diameter at top 11 $\frac{3}{8}$ inches, depth 9 $\frac{1}{8}$ inches.

AY 101—Weight per dozen 24 lbs.Each \$0.29

One dozen in a carton.

NARROW MOUTH OR HOODED PATTERN

Seamless



Sanitary smooth finish inside—easy to keep clean.

An extra heavy, durable seamless pail with seamless hood that conforms to the regulations of health departments requiring a pail with narrow mouth having an opening not larger than one-third.

Seamless pail and seamless hood, each made of one piece of high quality, heavy milk can steel, welded together into one seamless unit, heavily tinned and retinned. Heavy wear slugs soldered to bottom.

Rim around opening heavily wired and carefully soldered. Top rounded and so designed that inside is plainly visible. Entire interior absolutely smooth, making it sanitary and easy to clean.

Pail has no bottom hoop—can be tilted only by using back handle.

Heavy, plain, extending sanitary ears, soldered to body. Large strong back handle placed high enough to prevent hand coming in contact with unsanitary floor or bedding. Extra heavy steel wire ball.

Actual capacity 14 quarts. Diameter at top 11 $\frac{1}{4}$ inches, at bottom 9 inches. Distance—bottom to rim 10 inches; bottom to top 12 $\frac{1}{8}$ inches.

AB HS14—Weight per dozen 82 lbs.....Each \$3.89

One in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

STRAINER PAILS

IX TIN



Square lipped soldered tin hood. Brass wire strainer on breast strains milk as it is being poured from pail. Bright tin plate, double seamed and soldered. Wired top rim and reinforced bottom rim. Deep foot. Steel ears, riveted. Tinned wire bail. Folded tin handle near bottom soldered and riveted on.

Nos.	Each	Cap., Quarts,	Diam., Top, In.	Depth, In.	Wt., Doz., Lbs.
AY 110	\$0.98	10	11 ⁷ / ₈	8 ⁷ / ₈	37
AY 112	1.10	12	11 ¹ / ₂	9 ¹ / ₂	44

One-quarter dozen in a carton.

MILK KETTLES

SIMMONS

BAILED—HEAVY TIN



Extra heavy tin body with retinned breast bottoms, iron bound and recoated for greater durability. Double seamed and soldered, absolutely leak proof. Reinforced bottoms, withstand rough use. Steel wire bail. Steel ears riveted on. The rimmed tin cover has a heavy tin handle riveted on.

Nos.	AB S304	AB S308	AB S312
Quality of Tin	IXX	IXXX	IXXXX
Capacity, Quarts	4	8	12
Diameter at Bottom, Ins.	7	8 ¹ / ₂	9 ³ / ₄
Diameter at Top, Ins.	3 ³ / ₈	6	6 ¹ / ₂
Depth, Ins.	8 ⁵ / ₈	10 ⁵ / ₈	12 ¹ / ₄
Gauge Steel Wire Bail	7	6	5
Weight Per Doz., Lbs.	27	42	60
Each	\$1.19	1.59	1.98

BAILED



IC tin, plain, seamed and soldered, with heavy 10 gauge steel wire bail, riveted tin ears. Rimmed tin cover with a flat tin handle, soldered on. Capacity 4 quarts. Size 9x6¹/₂x3³/₄ inches.

AB 4—Weight per dozen
12 lbs.Each \$0.49

BAILED



IX tin, seamed and soldered body, with heavy 10 gauge steel wire bail, riveted ears. Rimmed tin cover with soldered tin handle. Riveted ears.

Nos.	Each	Cap., Qts.	Diam., In.	Height to Top, In.	Wt. Per Dozen, Lbs.
AB 14	\$0.69	4	6 ³ / ₄	8 ³ / ₄	14 ¹ / ₂
AB 16	.98	6	7	10 ³ / ₄	16
AB 18	1.19	8	7 ³ / ₄	12 ¹ / ₂	20

Packing—bulk.

WELL MILK BUCKETS



Keeps butter and milk cool at the same time, saves space.

IX tin, seamed and soldered, with inset for butter. Strong 12 gauge coppered wire loop bail, round, soldered ears. The slip top 6¹/₂ inches in diameter with folded edge tin handle soldered on.

Nos.	Each	Cap., Qts.	Diam., In.	Depth of Cooler, In.	Depth of Inset, In.	Wt. Per Dozen, Lbs.
AB 54	\$0.59	4	6	9	3	12
AB 56	.65	6	6	13	3	19 ¹ / ₂
AB 58	.75	8	6	17 ³ / ₄	3	25

Packing—bulk.

CREAM PAILS

SIMMONS

• Keeps cream clean and sanitary, ready for shipping or using.

IXX high grade charcoal tin, double seamed and soldered. Wired top rim. Raised bottom. Steel ears, riveted. Six-gauge coppered steel wire bail, with cherry-stained wood grip.

Extra deep inside cover with 2¹/₄-inch deep rim, fitted with riveted wire handle.



Nos.	Each	Cap., Qts.	Diam., In.	Depth, In.	Wt. Per Doz., Lbs.
AB S14	\$0.98	14	8 ⁷ / ₈	13 ¹ / ₄	44
AB S20	1.19	20	8 ¹ / ₂	19 ¹ / ₄	52

One-third dozen in a crate.



IX tin, double seamed and soldered. Wired top rim and rolled bottom. Tinned steel ears, riveted. Ten-gauge coppered steel wire bail, with black enameled wood grip.

Tin cover, with flange 1¹/₈ inches deep, fits inside of can. Riveted wire handle.

Nos.	Each	Cap., Qts.	Diam., In.	Depth, In.	Dozen in Crate	Wt. Per Doz., Lbs.
AB 110	\$0.65	10	8 ⁷ / ₈	9 ¹ / ₄	¹ / ₂	40
AB 114	.75	14	8 ⁷ / ₈	13 ¹ / ₄	¹ / ₂	36
AB 120	.79	20	8 ⁷ / ₈	18 ³ / ₄	¹ / ₂	39

MILK COOLERS OR SETTER PAILS



IX tin, double seamed and soldered. Wired top rim. Raised bottom. Tinned steel ears, riveted. Nine-gauge coppered steel wire bail, with black enameled wood grip. Deep stamped tin cover.

Nos.	Each	Capacity, Quarts	Size, Inches	Wt. Per Doz., Lbs.
AB 10	\$0.50	10	8 ¹ / ₂ x10	35
AB 12	.55	12	8 ¹ / ₂ x11 ¹ / ₄	40
AB 14	.59	14	8 ⁷ / ₈ x13 ¹ / ₄	45
AB 20	.69	40	8 ¹ / ₂ x20	55

One-half dozen in a crate.



Complies with requirements of health authorities. Sanitary and easy to clean—the inside seams, bottom and rivets are smoothly covered with solder.

Full weight IX coke tin, double seamed and soldered. Heavy ears, riveted. Heavy wire bail with wood grip.

One-piece tight-fitting sunken cover with rolled rim and flat riveted handle.

Nos.	Each	Actual Capacity, Quarts	Size, Inches	Wt. Per Doz., Lbs.
AB TK6	\$0.59	6	9x 7 ⁵ / ₈	36
AB TK8	.65	8	9x 9 ³ / ₈	40
AB TK12	.79	12	9x13 ¹ / ₄	48
AB TK18	.98	18	9x19 ¹ / ₂	56

One-quarter dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

MILK CANS



In dairy sections these items are exceptionally competitive, necessitating that each dealer so situated study his local competition.



JERSEY PATTERN—CURLED BOTTOMS

For shipping and general use. Each can individually tested. Withstands rough handling.

Double tinned throughout. Made of high-grade steel stock with breast, neck and receiver drawn from one piece of steel and securely welded to body. Deep flanged bottom joined to body makes a blow-resisting edge. Large pressed steel handles and heavy breast hoop are welded on.

STANDARD WEIGHT

With 6-Inch Necks

Plug Sanitary Covers

Nos.	Each	Cap., Qts.	Diam., In.	Height, In.	Weight, Each, Lbs.
AY 5JP	\$4.15	20	13	20	13
AY 8JP	5.00	32	13	20½	17
AY 10JP	5.20	40	13	24½	18½

Umbrella Covers

AY 5JPU	\$4.35	20	13	20	14
AY 8JPU	5.25	32	13	20½	18
AY 10JPU	5.45	40	13	24½	19½

With 7¼-Inch Necks

Plug Sanitary Covers

AY 8JPW	\$5.10	32	13	20½	17½
AY 10JPW	5.25	40	13	24½	19

Umbrella Covers

AY 8JPWU	\$5.30	32	13	20½	18½
AY 10JPWU	5.60	40	13	24½	20

HEAVY

Unsurpassed for Shipping and General Use.

With 6-Inch Necks

Plug Sanitary Covers

Nos.	Each	Cap., Qts.	Diam., In.	Height, In.	Weight, Each, Lbs.
AY 808	\$5.45	32	12½	21	21½
AY 810	5.70	40	13	24½	24

Umbrella Covers

AY 808U	\$5.75	32	12½	21	22½
AY 810U	5.85	40	13	24½	25

With 7¼-Inch Necks

Umbrella Covers

AY 808WU	\$5.80	32	12½	21	23½
AY 810WU	5.90	40	13	24½	26½

Packing—bulk.

See Our Complete Line
of HARNESS and
HARNESS PARTS

MILK CANS

Sturdy, Rugged Cans for Dairy or Farm



In dairy sections these items are exceptionally competitive necessitating that each dealer so situated study his local competition.



OHIO, IOWA OR GEM PATTERN OUTSIDE BOTTOM HOOP

Sanitary, easy to keep clean—all parts are double tinned making smooth, sanitary surface, without crevices or open joints in which milk can sour. Individually tested.

Heavy milk can stock, with seamless breast, neck and receiver. Body seam and breast union welded, eliminating all seams and rough places. Iron breast hoop and large pressed steel handles are welded on. The heavy bottom hoop is securely riveted on for added durability. With 6-inch necks.

Plug Sanitary Covers

Nos.	Each	Cap., Qts.	Diam., Inches	Hgt., Inches	Wt., Each, Lbs.
AY 1105	\$4.19	20	10½	20	13½
AY 1108	5.15	32	12½	21	17½
AY 1110	5.35	40	13	24½	19

Umbrella Covers

AY 1105U	\$4.49	20	10½	20	14½
AY 1108U	5.35	32	12½	21	18½
AY 1110U	5.60	40	13	24½	20

NEW YORK PATTERN

Sanitary—perfectly smooth interior, without crevices.

Extra heavy wrought steel. Seamless neck and breast drawn from one piece of metal and securely welded to body. Bottom reinforced by heavy steel hoop, securely riveted for added durability. Umbrella cover fits snugly. Malleable drop handles are comfortable to grip. All parts are double tinned.

Capacity 40 quarts. Diameter 13 inches, height 24½ inches.



#AY 540—Weight 26 lbs.....Each \$5.85

RAILROAD SEAMLESS—SOLDERLESS

Sanitary and easy to keep clean.

Highest grade milk can steel, heavily coated with pure straits block tin.

Seamless and solderless construction.

Sealrite combination seamless cover has insulating qualities against heat or cold and will float. Pressed steel handles welded to body. Bottom reinforced by heavy steel hoop.

SEALRITE COVER



Nos.	Each	Cap., Qts.	Diam., In.	Ht., In.	Wt., Each, Lbs.
AY 908	\$6.95	32	12½	21	27½
AY 910	7.15	40	13	24½	29½

Packing—bulk

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

MILK STRAINERS

SIMMONS SPECIAL SANITARY



Strains milk perfectly and quickly. Easy to clean, sanitary and easy to use—no seams or open joints to collect bacteria. Inner plate baffles the milk before it strikes the filtering disc.

These strainers with straight sides are made of heavy retinned seamless copper-bearing tin plate with turned edge. Two parts—the strainer itself with perforated bottom and removable perforated inner plate.

Extra heavy perforated steel baffle plate, with metal knob. Heavy tinned wire spring. For 6 and 6½ inch discs. Capacity 12 quarts. Diameter 12¾ inches, height 7¾ inches.

AB S12—Weight per dozen 30 lbs.....Each \$1.19

One-half dozen in a carton.



Perfectly sanitary—the perforated concave inner plate baffles the milk before it strikes the filter disc and is held in place by heavy tinned wire spring.

New process—non-pinholing. Heavy charcoal tin, double seamed and soldered inside and outside. Wired top rim. Comfortable heavy 10-gauge bright wire loop handle. Perforated bottom. Complete with 6-inch filter disc. Capacity 14 quarts. Diameter at top 12¾ inches, at bottom 6 inches. Height over all 9¼ inches.

AB 114—Weight per dozen 31 lbs.....Each \$1.10

One-quarter dozen in a carton.



THE SANITARY

The removable disc makes thorough cleansing easy; all parts accessible.

Full weight IX tin, double seamed, with seamless bottom rim seamed to the body. Wire top rim. Brass strainer disc 3¾ inches in diameter with reinforced tin edge. Removable foot. Diameter at top 10 inches, depth 4¾ inches.

AB 6—Weight per dozen 9 lbs.....Each \$0.50

One dozen in a fibre carton.

DISCS FOR No. AB 6 MILK STRAINERS

Brass strainers 3¾ inches in diameter, with reinforced tin edge.

AB XD—Weight per dozen 1 lb.....Each \$0.10

One dozen in a carton.



IX TIN—DOUBLE SEAMED. Strongly made, double seamed and clinched. With 50-mesh brass wire strainer and wire ring handle.

Nos.	Each	Diam.		Hgt., In.	Strainer Per In.	Wt. Doz., Lbs.
		at Top, In.	at Bot- tom, In.			
AB 09	\$0.23	9½	3¾	5	2½	9
AB 010	.39	10	5¼	6¼	5	10



IC TIN—PLAIN. Seamed and soldered, with 40-mesh brass wire strainer cloth 2¼ inches in diameter. Wire ring handle.

Nos.	Each	Size, Inches	Diam. Wt.	
			Bottom, Inches	Doz., Lbs.
AB 1	\$0.15	8½x4	4	5
AB 1½	.19	10x4	6	7

Packing—bulk.

MILK STRAINERS

Sanitary strainers that strain milk easily and quickly, eliminating any foreign matter that may be present.



IX TIN—RETINDED. Seamless bowl with flanged top rim. Wire ring handle. Diameter at top 10¼ inches, at bottom 4¾ inches. Depth 4¾ inches. Diameter of strainer cloth 4½ inches.

AY 0—Weight per dozen 12 lbs.Each \$0.49

One-quarter dozen in a package.



IX TIN. Seamless bowl with turned top rim. Deep skirt, with smooth rolled edge, double seamed and soldered to the bowl. Wire ring handle. 40-mesh brass wire strainer cloth 4¾ inches in diameter. Complete with turned edge tin hoop for fastening cloth. Size 10¼x6¾ inches.

AB 11—Weight per dozen 16 lbs.Each \$0.39

Packing—bulk.

PLAIN DAIRY PANS



Seamless IC tin, with flanged edge.

Nos.	Each	Capacity, Quarts	Size, Inches	Wt. Per
				Doz., Lbs.
AB 2	\$0.07	2	8½x1¾	3¾
AB 4	.09	4	10¾x2½	6
AB 6	.10	6	12¾x2¾	7
AB 8	.12	8	13¾x2¾	8

One dozen in a package. Packing—bulk.

FILTERING DISCS



JOHNSON & JOHNSON RAPID-FLO

• Filters quickly and accurately—the quality of material and fine workmanship makes it possible to remove dust, dirt and other sediment.

• Gives longer service—will filter more milk per disc before clogging than other cotton discs under equal conditions.

For extra heavy and large strainers for straining small or large quantities of milk. Months of laboratory and field research brings you these perfected discs.

Made of the finest grade long staple red cross cotton under the most hygienic conditions. They are non-channeling, absolutely uniform and guaranteed not to disintegrate or clog.

Plain Finish

Nos.	Per 100	Diameter, Inches
AB R6	\$0.29	6
AB R6½	.37	6½

Single Faced

Nos.	Per 100	Diameter, Inches
AB R6F	\$0.49	6
AB R6½DF	.59	6½

Double Faced

With both sides gauze faced. The advantage of double-faced discs over single is—they hold together better and can be used longer.

Nos.	Per 100	Diameter, Inches
AB R6DF	\$0.65	6
AB R6½DF	.75	6½

One hundred discs in a carton; weight per carton ½ lb. Three cartons (300 discs) banded together in one unit; 12 units of 36 cartons (3,600 discs) in a case; weight per case 24½ lbs.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

FILTERING DISCS



For use with extra heavy and large strainers. Far more efficient than cloths or fine mesh wire strainers. Filters out all dust, dirt, sediment and other foreign matter and some of the bacteria. Absolute non-channeling—will strain approximately 140 quarts of milk before slowing down.

Made of long staple cotton under most sanitary conditions and are inspected for uniformity, weight and appearance.

Plain Finish

Nos.	Per 100	Diameter, Inches
AY 6	\$0.19	6
AY 6½	.25	6½

Single Faced

With one side gauze faced.

Nos.	Per 100	Diameter, Inches
AB 6F	\$0.39	6
AB 6½F	.49	6½

One hundred discs in a carton; weight per carton ½ lb.

Three cartons (300 discs) in a unit carton; Nos. AY 6 and AB 6F—12-unit cartons (3,600) discs in a case; weight per case 23 lbs. Nos. AY 6½ and AB 6½F—6-unit cartons (1,800) discs in a case, weight per case 15 lbs.

MILK BOTTLES

STANDARD CAPACITY

Sanitary, high-grade, clear glass—easy to wash. Use standard milk bottle caps.

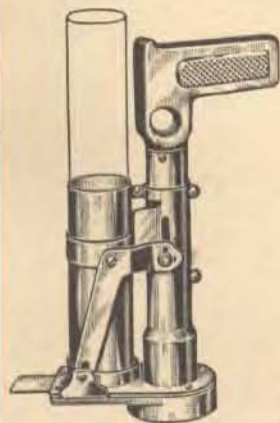
SOLD ONLY IN FULL CRATES



Nos.	Per Doz.	Capacity	Wt. Per Crate, Lbs.
AY Q	\$0.89	Quart	133
AY P	.65	Pint	84
AB HP	.49	Half Pint	105

Packing: Half pint—one gross in a crate. Others—one-half gross in a crate.

MILK BOTTLE CAPPERS



DAIRY MAID NON-AUTOMATIC

- Caps bottles as rapidly and efficiently as an automatic machine—the mechanism is simple, has no springs—fully guaranteed by the manufacturers.
- Seals perfectly—all milk bottles requiring No. 2 standard caps.

Easy to operate—after inserting tube of No. 2 standard caps in cylinder it is only necessary to lift the handle, place cap opening over milk bottle and push handle down.

Made of the highest quality materials, highly polished chromium plated throughout and attractively finished.

Has an aluminum revolver grip handle with finger-slot for the forefinger to aid weight-balance and give perfect control over capper. Light in weight and does not tire the wrist.

AY DM—Weight each 4 lbs. Each \$9.45

One in a carton.

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory. Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

MILK BOTTLE CAPS

• Will fit any standard milk bottle. Made of finest ground wood pulp, which insures their sanitary and hygienic character.

- Will not leak.
- Easily removed.



Nos. AB EZ1, AY EZ5

Imprinted "Grade 'A' Raw Milk," etc.

PRINTED IN RED

AB EZ1—In cartons of 1,000.....Per 1,000 \$0.75

AY EZ5—In cartons of 5,000.....Per 1,000 .69

PRINTED IN BLUE AND RED

AY EZ1A—In cartons of 1,000.....Per 1000 .69



No. AY EZ1A



IN TUBES OF 500

For use on sealing machines. Put up in cardboard tubes 1 7/8 inches long, 1 1/4 inches in diameter.

Imprinted "Pure Fresh Milk," etc.

AY EZ500—Printed in red.....Per 1,000 \$0.69

Imprinted "Grade 'A' Raw Milk," etc.

AY EZ500A—Printed in blue and red.....Per 1,000 .69

MISPRINTS

These bottle caps have no definite imprint, but bear the names of dairies in various cities. All are in perfect condition.

AB MPC.....Per 1,000 \$0.29



Nos. AY SW, AB SW1, AY SW5 and AB SW500

Imprinted "Pure Fresh Milk," etc.

PRINTED IN RED

AY SW—In cartons of 25,000.....Per 1,000 \$0.55

AB SW1—In cartons of 1,000.....Per 1,000 .65

AY SW5—In cartons of 5,000.....Per 1,000 .59

Imprinted "Grade 'A' Raw Milk," etc.

PRINTED IN BLUE AND RED

AB SW1A—In cartons of 1,000.....Per 1,000 \$0.65



IN TUBES OF 500

For use on sealing machines. Put up in cardboard tubes 1 7/8 inches long, 1 1/4 inches in diameter.

Imprinted "Pure Fresh Milk," etc.

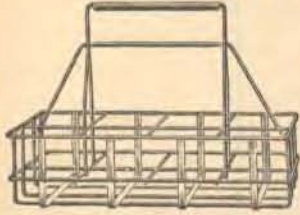
AB SW500—Printed in red.....Per 1,000 \$0.65

Imprinted "Grade 'A' Raw Milk," etc.

AB SW500A—Printed in blue and red.....Per 1,000 .65

Weight per 1,000 2 1/4 lbs.

MILK BOTTLE CARRIERS



ROUND WIRE TYPE

Holds eight individual quarts—saves steps and time. Perfect for delivering milk.

Sturdy frame of basic steel wire, electrically welded, with flat steel bottom cross bars the width of carrier making two round and one flat wire crossing under each bottle. Long smooth

half-round steel handle, comfortable to carry.

Depth 4½ inches. Size 17x9 inches. Height over all 12½ inches.

Eight One Quart Sections

AB 8QW—Weight per dozen 45 lbs. Each \$1.29

Packing—bulk.

BOTTLE CASES



UP-TO-DATE GALVANIZED

- For dairy and delivery use.
- Will not topple over in your wagon.

Extra heavy gauge galvanized iron, braced with cross iron bands with galvanized iron partition, and half oval band to protect the bottoms from wearing. Size 19x14½x11 inches.

AB 201P—20 one-pine sections. Each \$5.75

AB 121Q—12 one-quart sections. Each 5.45

Packing—bulk. Weight each 15 lbs.

DAIRY AND MILK SCALES



UNIVERSAL

For accurate weighing of milk. Equipped with loose pointer which can be regulated on dial by thumb nut at center to take the tare (weight of pail), so it need not be deducted from the reading.

Black enameled heavy steel one-piece case with white lithographed steel dial 7 inches in diameter, with figures and graduations in black and red. The red figures are for the second revolution of fixed black pointer. Red pointer is adjustable by knurled edge brass screw. Heavily tinned ring and hook. Accuracy is adjustable by a screw on the bottom of slide.

Two full revolutions of pointers cover full capacity of scales.

AY 224—Capacity 40 lbs. by ¼ lb. Each \$3.45

AY 226—Capacity 60 lbs. by ¼ lb. Each 3.95

Weight each 2 lbs.

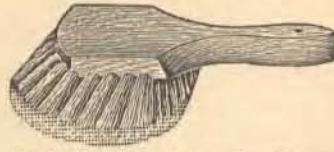
One in a carton.

NOTE

Merchants are cautioned in buying spring balance scales, to acquaint themselves with their own state laws regarding the various degrees and kinds of inspection made by local officials.

Spring scales are intended for family use only. In some states they are not legal for use of trade.

MILK CAN BRUSHES



GONG TYPE

- Scrubs perfectly—cleans milk shipping cans, milk containers, sinks and other hard surfaces.

A strong, tough brush. Genuine palmetto fibre

stock 2 inches long wired in a solid hardwood block with shaped handle, hole for hanging. Size of block 3x3¼ inches. Length over all 10 inches.

AB 50—Weight per dozen 5 lbs. Each \$0.35

One dozen in a wood box.

CREAM SEPARATOR BRUSHES

Very efficient for cleaning spouts and tubes of mechanical cream separators.

WITH STRAIGHT BRUSH



Black china bristles on twisted wire handle with ring. Length of brush 4 inches, diameter 1 inch. Length over all 11¼ inches.

AB 813—Weight per dozen ¼ lb. Each \$0.10

WITH TAPERED BRUSH



Black china bristles on twisted wire handle with ring. Length of brush 5 inches, diameter 1¼ inches tapering to ¾ inch. Length over all 12 inches.

AB 818—Weight per dozen ¾ lb. Each \$0.10

Packing—bulk.

MILK BOTTLE BRUSHES

Washes milk bottles thoroughly clean—keeps them sanitary.

BELL SHAPE



Stiff, gray horsehair bristles. Brush section 6½

inches long, tapering from 2¾ to 2¼ inches in diameter. Comfortable natural finish hardwood tapered handle. Length over all 15½ inches.

AB 25T—Weight per dozen 2½ lbs. Each \$0.59

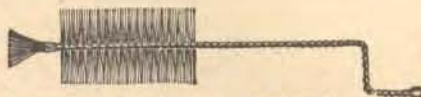
One dozen in a bundle.

BOWL OR MILK BOTTLE BRUSHES Square End—Wired



Stiff, gray horsehair bristles. Brush section 2¾x5½ inches. Heavy, full set end. Plain finish hardwood handle. Length over all 15 inches.

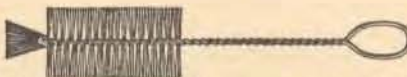
AB 67—Weight per dozen 3½ lbs. Each \$0.59



All black bristles. Brush section 4 inches long and 2¼ inches in

diameter. With tip brush 1¼ inches long. Heavy 13-gauge twisted galvanized wire shank with offset. Length over all 15 inches.

AB 411—Weight per dozen 1 lb. Each \$0.12



All black bristles. Brush section 3½ inches long and 1¼ inches in

diameter. With tip brush 1¼ inches long. Strong 16-gauge twisted wire handle. Length over all 11 inches.

AB 21—Weight per dozen ½ lb. Each \$0.10

One dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

MILK TEST BOTTLES



For testing milk.

Made of pure clear crystal glass. Length 7 inches.

AB MT—Weight per gross 14 lbs...Each \$0.45

Packing—bulk.

ACID MEASURES



Made of pure clear crystal glass. Capacity 17.5 cubic centimeters, common grade. Length 4 inches.

AB M—Weight per dozen 2 1/4 lbs.....Each \$0.29

Packing—bulk.

DAIRY THERMOMETERS



- Distance reading scale.
- Guaranteed for accuracy.
- Shot-weighted to float upright.

All clear glass with figures and lines marked in red and black. Scale ranges from 10° to 220° above zero. Length 10 1/4 inches. Diameter 1/8 inch.

Mercury

AB 15—Weight per dozen 1 1/4 lbs.....Each \$0.39

All clear glass with figures and lines marked in black. The magnifying lens tube is filled with non-fading, non-separating red fluid.

Scale ranges from zero to 220° above zero. Length 8 1/4 inches, diameter 1/8 inch.

Spirit

AB 25—Weight per dozen 1 1/4 lbs...Each \$0.25

One in a carton.



CREAM SEPARATOR OIL

THREE BROTHERS



Guaranteed to give satisfaction. Specially refined for use in cream separators. In sealed metal cans. Money-back guarantee is lithographed on each can. Capacity one quart.

AB HSO—Weight per dozen cans 25 lbs.....Each \$0.25

Two dozen cans in a case.

RUBBER APRONS



- Especially suited for wear in dairies and creameries—protects your clothes.

Well made of good quality black rubber with extra wide, full body, heavy canvas shoulder straps and buttons. Neatly hemmed edges. Medium weight.

AB H—Weight each 3 lbs.....Each \$3.45

Packing—bulk.

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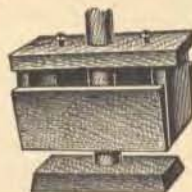
BUTTER MOULDS

B. & H.—OBLONG SHAPE

Finest quality ash wood, natural finish. Securely nailed. Two adjusting screws to regulate the weight of the butter. Size mould 4 1/2 x 2 1/2 x 2 1/2 inches.

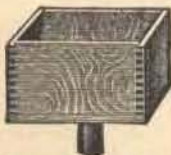
AB BH—Weight per dozen 35 lbs.Each \$1.95

One dozen in a crate.



BRICK SHAPE

Natural finish maplewood, with dovetailed corners.



Nos.	Each	Cap., Length, Width, Height,			Wt. Doz., Lbs.
		Lbs.	Ins.	Ins.	
AB 50B	\$0.35	1/2	3 1/4	3 1/4	3 1/2 8
AB 100B	.39	1	5 1/2	3 1/4	3 3/8 16

One dozen in a case.

ROUND

Makes moulds with attractive designs on top.

Plain finish maplewood, with assorted designs.



Nos.	Each	Capacity, Diameter,		Height, Doz., Lbs.
		Lbs.	Ins.	
AB 1/2 R	\$0.39	1/2	3 3/8	3 1/8 6
AB 1 R	.45	1	4 1/2	3 3/8 8

One dozen in a wood box.

BUTTER PRINTERS

EUREKA

Mould and stamp combined.

- Adjustable—for making pound and half-pound prints.
- Makes perfect prints rapidly—ten to fifteen prints may be made per minute.

Simple to adjust for size of print, by merely adjusting the middle finger. The frame is made of close-grained wood, with gun metal top and nicked trimmings. Pound prints are 4 1/2 x 2 1/2 x 2 1/2 inches, half-pound prints 4 1/2 x 2 1/2 x 1 1/2 inches. Plain uncarved block.



AY 1—Weight per dozen 45 lbs.....Each \$9.95

One dozen in a wood box.

BUTTER LADLES

Sturdily made of natural finish maplewood. Length over all 8 1/2 inches, width 3 3/8 inches.

AB 40—Weight per dozen 1 1/2 lbs.Each \$0.15

Packing—bulk.



BUTTER PATS

Ribbed design in natural finish maplewood. Length over all 10 inches, width 3 inches.

AB 41—Weight per dozen 1 1/2 lbs.....Each \$0.15

Packing—bulk.

PARCHMENT PAPER SQUARES

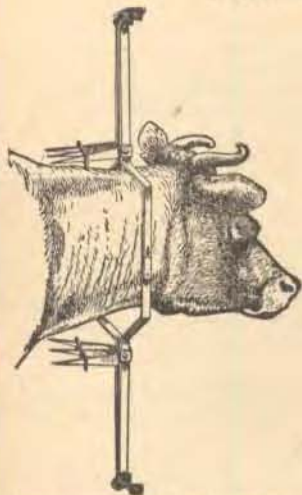
Clean and sanitary—for wrapping butter prints.



Nos.	Per 1000	Size, Weight	
		Inches	per 1000, Lbs.
AB 89	\$1.95	8 x 9	5 1/4
AB 811	2.39	8 x 11	6 1/4
AB 912	2.79	8 x 9	7 1/4

One thousand in a package.

COW POKES



TRIDENT

Restrains the worst fence breakers.

Is an effective cattle guard even for a two-wire fence. The points of the 3-point spur (or trident) are spaced correctly so that one or more will always do their work when animal attempts to get through, over or under the fence.

Adjustable Japanned Finish

Constructed of bar steel $\frac{3}{4}$ x $\frac{3}{8}$ -inch turned edge-wise, with hook shank doubled its full length and end of each piece formed into a hook making a double hook that hooks from either side, front or any angle.

Neck space 6 inches wide; adjustable 12, 14 or 16 inches long. Length over all adjustable 32, 34 or 36 inches.

AB T2B—Weight per dozen 54 lbs.....Each \$0.98

Wired, one-half dozen in a bundle.



DUDEK

Adjustable—Oval

This poke is adjustable to the animal's neck and prevents rubbing.

Sturdily constructed of flat steel, $\frac{3}{4}$ x $\frac{3}{8}$ -inch, 37 $\frac{1}{2}$ inches long.

Japanned finish.

AB 2D—Weight per dozen 36 lbs.....Each \$0.59

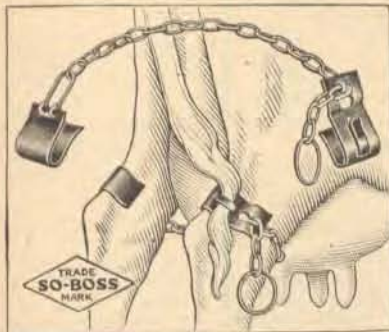
Packing—bulk.

COW HOBBLER

IMPROVED SO-BOSS

- Effectively stops kicking, side stepping and tail swishing.
- Makes it safe to milk the most troublesome cow.
- Saves time and effort of milker, protects milk pail.
- Easy to adjust and cannot slip or become unlocked until released.

Has two flat metal hooks that fit over tendons or cords of cow's legs. When chain is drawn through slot until brought into holding position it is held automatically until released.



With Tail Holder Clip

Heavy stamped steel leg hooks 1 $\frac{1}{4}$ inches wide, black enameled. Welded straight link chain, burnished smooth and coppered. Chain 25 inches long. Length over all 29 inches.

AB 1—Weight per dozen 16 lbs...Each \$0.25

SO-BOSS JUNIOR

Stamped steel leg hooks, black finish. Welded straight link chain, finished bright. Chain 22 $\frac{1}{2}$ inches long. Length over all 26 $\frac{1}{2}$ inches.

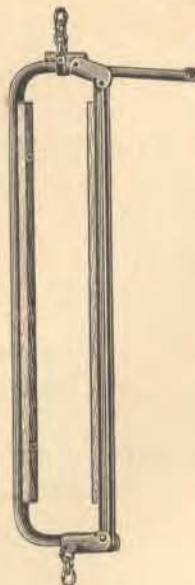
AB 2—Weight per dozen 11 lbs. Each \$0.23



One-half dozen in a carton.

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COW STANCHIONS



- Modernize your dairy barn with these full size 43 $\frac{1}{2}$ -inch stanchions.
- Strong cowproof top latch—locks securely and easily, but cannot be opened by cow.
- Flexible chain hanger allows the cow pasture-free movement in getting up or down but keeps her in position.
- Easily adjustable for any size animal. Rounded at top and bottom for comfort.
- Strong and sturdy. Cow cannot bend or break it.

Gray Enamel Finish

U-shaped 1 $\frac{1}{4}$ -inch high carbon steel bars with heavy straight-grained wood liner riveted to side bars. Top lead and side bar one piece. Size inside—closed 43 $\frac{1}{2}$ x 6 $\frac{1}{2}$ inches. Neckspace adjustable from 6 $\frac{1}{2}$ to 8 $\frac{1}{2}$ inches.

AB 12—Weight each 20 lbs.Each \$2.85

Packing—bulk.

STANCHION HOLDERS

For Wood Frame

Made of $\frac{7}{8}$ -inch wrought iron. Hook bolt 6 inches long with 1 $\frac{1}{4}$ -inch hook.

AB 12HW—Weight each $\frac{3}{8}$ lb.....Each \$0.17

For Steel or Pipe Frame

Outside Diameter 1 $\frac{5}{8}$ Inches

Made of pressed steel with $\frac{3}{4}$ x 1 $\frac{1}{4}$ -inch carriage bolt.

AB 12HC—Weight each $\frac{3}{8}$ lb.....Each \$0.29

Packing—bulk.

STANCHION ANCHORS

For Wood Floor

Made of wrought steel 6 inches long, with two lag screws $\frac{3}{8}$ x 3 inches.

AB 12AW—Weight each $\frac{5}{8}$ lb.....Each \$0.23



For Cement Floor

U-bolt made of $\frac{3}{4}$ -inch wrought steel 6 inches long with nuts and stanchion anchor. Sets 6 $\frac{1}{4}$ inches in cement.

AB 12AC—Weight each 1 lb.....Each \$0.33

Packing—bulk

MILKING STOOLS



These handy all-metal stools are light in weight, strongly constructed and are primarily intended for milking purposes.

They are attractive and convenient stools, too. For use at the house, store, camp, summer cottage.

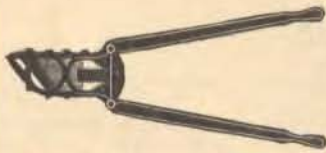
High carbon pressed steel top, legs and brace. Assembled with bolts and nuts. Height 11 $\frac{1}{2}$ inches. Top 10 inches in diameter.

Aluminum Finish

AB MS1—Weight per dozen 39 lbs.....Each \$0.59

Shipped knocked down—one dozen in a carton.

DEHORNERS



LEAVITT'S DRAW CUT

Medium Size
For Young Cattle

Malleable iron frame and handles. Great pressure for easy, quick dehorning. Tempered

and polished steel blade cuts clean, never crushes.

Diameter of horn opening $3\frac{1}{2}$ inches. Blade $\frac{3}{16}$ -inch thick, 4 inches wide with 5-inch cutting edge. Length over all 40 inches. Handles 30 inches long.

AB 2D—Weight each 12 lbs.....Each \$5.95

Six in a bundle.

DEHORNING SAWS

KEEN KUTTER

America's Finest.



Japanned malleable iron frame $\frac{5}{16}$ -inch thick, $\frac{5}{8}$ -inch wide, equipped with a guard to protect the hand. Inside of frame is $2\frac{3}{4}$ inches from cutting edge of blade. Varnished, selected hardwood handle is fastened to frame with two nickel plated steel screws. Fine cutting blade of tempered, polished steel, length 10 inches, is adjusted by malleable thumb nut at front end and nickel plated screw at handle end. Length over all $15\frac{3}{8}$ inches.

AB K210—Weight per dozen 16 lbs.....Each \$1.45
One-third dozen in a cardboard box.

DEHORNING SAW BLADES

For No. AB K210 KEEN KUTTER Saw

Tempered and polished steel. $\frac{7}{8}$ -inch wide. Length 10 inches.

AB K210B—Weight per dozen $\frac{1}{2}$ lb.....Each \$0.27

Packing—bulk.

OX BALLS



Solid cast brass, polished. Threaded on inside. Small screw hole in side to secure horn. Length $\frac{3}{4}$ -inch. Outside diameter $1\frac{1}{16}$ inches. Diameter of hole at bottom $\frac{1}{16}$ -inch. At top $\frac{1}{8}$ -inch.

AB 1012—Weight per dozen $\frac{3}{4}$ lb.....Each \$0.17

Two dozen in a cardboard box.

CATTLE TROCARS



FOR BLOAT

Sharp-pointed nickel-plated polished steel blade works easily, effectively. $5\frac{3}{4}$ inches long, $\frac{1}{16}$ -inch in diameter. Enclosed in heavily nickel-plated steel canula or tube 5 inches long. Comfortable black enameled wood handle grip, $2\frac{1}{2}$ inches long.

AB 2—Weight each $\frac{1}{4}$ lb.....Each \$0.95

Packing—bulk.

PLAIN TEAT BISTOURY

PILLING'S

For Cutting Obstructed Teats



Illustration shows instrument both open for cutting and closed for inserting.

Safe! Sanitary!

This surgical instrument is made for long, satisfactory service.

Solid Sterling Silver

AB BSEach \$3.50

Packing—bulk.

IMPROVED TEAT INSTRUMENT

PILLING'S

For Opening Obstructed Teats



A handy instrument to have at the dairy or farm.

Polished steel, silver-plated. Length $4\frac{1}{2}$ inches.

AB PIEach \$1.65

Packing—bulk.

Modernize YOUR LIVING ROOM WITH
SIMMONS FURNITURE

Highest Quality Materials and Workmanship Assure Years of
Continuous Comfort, New Modern Styling and Fabrics
Will Make Your Home Most Attractive

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

WEANERS

FOR CALVES, COLTS, YEARLINGS AND COWS

Wide selection of types and sizes to wean young animals or discourage the sucking habit in mature stock.



SHAW—NEW STYLE

It's safe, comfortable, effective!
Fitted with two adjustable buckles which permit adjustment of overhead and throat strap.

CONSTRUCTION

Tinned steel braced wire frame, neck loop and meshed basket-shaped muzzle or body. Frame and loop 10 gauge. Mesh wires 16 gauge. Complete with web, overhead and throat strap.

Nos.	AB 1C	AB 2C	AB 3C
Suitable for	Calves	Yearlings	Cows
Size Loop, in.	7½x5¼	9½x5½	11½x6½
Dimensions of Basket, in.	5⅞x5x4¾	6¼x5½x5¼	7½x6¾x6¾
Length Halter from D to D, in.	18	22	27
Wt. Doz., lbs.	9	9½	10½
Each	\$0.49	.57	.75

One dozen in a carton.



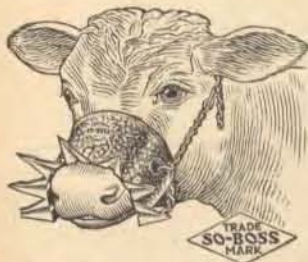
REICHERT'S ANTI-SUK

Double hinge allows animal to graze, eat and drink, but prevents sucking.

Heavy steel guard, heavily tinned, with three prongs, hinged to malleable iron adjustable ball-tipped nose ring. Nose ring locked by cotter pin.

Nos.	Each	Suitable for	Wt. per Doz., Lbs.
AB 205	\$0.37	Calves	3½
AB 206	.45	Cows	5

Packing—bulk.



SO-BOSS

This device discourages cow and she keeps calf away, the sure weaning method.

Allows calf to eat or drink freely. Prevents sore nose and other discomforts.

Adjustable to any size calf. Spurs and arch over nose stamped from one piece of galvanized steel. One piece galvanized chain, with snap.

Width 5 inches. Arc 3½ inches. Length 4½ inches. Spurs 1¼ inches long.

AB H—Weight per dozen 11 lbs. Each \$0.37

One-half dozen in a package; four dozen in a carton.



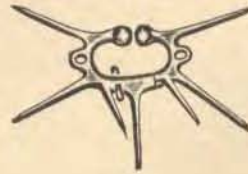
BLABB'S PATENT

Allows animal to eat and drink without difficulty.

Hardwood, smooth belted finish. 5¼ inches long, 3¾ inches wide. Size of nose ring 2¼x1¾ inches.

ABB—Weight per dozen 1¼ lbs. Each \$0.05

Sixty dozen in a barrel.



FULLER'S NOSE RING PATTERN

Forged from non-rusting metal, with adjustable ball-tipped nose ring, fastened by steel cotter. Seven sharp spikes or prongs.

Nos.	Each	Suitable for	Width of Closed Ring, In.	Size of Nose Ring, In.	Weight per Doz., Lbs.
AB 1F	\$0.19	Calves	4½	1½x¾	1½
AB 2F	.23	Yearlings	6	1¾x¾	2
AB 3F	.29	Cows	8	2¼x1	2¼



KEES

Allows calf to eat or drink without difficulty.

Just snap it on! No troublesome cotter pins, no nuts, no bolts. Easy to remove.

SIMPLE IN CONSTRUCTION

Heavy galvanized sheet steel shield with four prongs, which can be flattened down if not wanted; heavy stamped steel

Sherardized nose ring, ball tipped; one side of nose ring is movable and is held in place by flat steel spring latch which is released by pushing on end of latch through hole; easily attached and removed.

Nos.	Each	Size of Shield, In.	Size of Nose Ring, In.	Weight per Doz., Lbs.
AB 525	\$0.15	4¾x3	1½x1	3
AB 626	.17	5¾x3¾	1½x1	3½

PERFECTION

For Calves, Colts and Cows

Will do away with your weaning troubles. Will not get out of order and is practically indestructible. The points are small and are bent upward—no danger of serious injury, cannot tear or rip.

Galvanized sheet steel nose plate with small points, shaped and reinforced to perfectly fit the animal's nose. Heavy cotton corded webbing halter with buckles for adjustments and metal tips.

AB PCW52—Weight per dozen
9 lbs. Each \$0.55

One dozen in a carton.



For
Long and Satisfactory Service,
Choose and Use
KEEN KUTTER
Kitchen Cutlery

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

NOSE GUARDS



BROWNSON'S AIR-FLOW

A new, adjustable nose guard that will fit any horse or mule and permit easy breathing.

Can be shortened or lengthened and made to fit horse with wide or narrow head.

Galvanized 24 gauge steel wire, 6 mesh, with 9 gauge wire rim. Normal size—width 7 inches, depth 5½ inches, length 5½ inches.

Black fabric binding and head gear. Adjustable leather straps with new patented snaps.

AB AF50—Weight per dozen 6¾ lbs. Each \$0.50

Four dozen in a carton.

BASKET TYPE

For Horses and Cattle.

Used in those sections of the country where the Hessian fly is found.



Equipped with patented adjustable side straps, snaps and buckles.

Galvanized 24-gauge steel wire cloth, 6 mesh. 14-gauge galvanized wire inside braces. 9-gauge galvanized wire rims. Diameter 9 inches. Depth 7 inches. Heavy black leather-cloth binding.

AB A6S—Weight per dozen 9 lbs. Each \$0.40

Four dozen in a carton.



INSIDE BRACE

Galvanized 24 gauge 6 mesh steel wire cloth. 14 gauge galvanized wire inside braces. 9 gauge galvanized wire rims. Diameter 9 inches. Depth 7 inches.

Full Brown Duck Bound and Sewed

AB 101—Weight per dozen 5¾ lbs. Each \$0.33

Two dozen in a carton.

FLEXIBLE

No Hoops—No Braces



Galvanized steel wire cloth, 6 mesh. Heavy leather-cloth binding. Diameter 9 inches. Depth 7 inches.

AB F6—Weight per dozen 4 lbs. Each \$0.23

Four dozen in a carton.

CATTLE LEADERS



STANDARD

Easily and quickly put on and taken off. Spring prevents leader from unlocking.

Cast iron, japanned finish, with coppered steel wire spring and iron rivet at joint. Diameter of bow 2½ inches.

AB 2—Weight per dozen 4 lbs. Each \$0.15

One dozen in a carton.

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HORSE MUZZLES

Keeps horses from eating grain while working in the fields, during harvest season, and assures protection to growing plants during cultivation.

GALVANIZED IRON WIRE—SECURELY LACED



Shaped to fit nose. Made entirely by hand, twisted double at ends. Twelve, 14 gauge body wires. 9 gauge ring wire. Diameter 9½ inches. Depth 8¾ inches.

AB 88—Weight per dozen 6 lbs. Each \$0.23

One dozen wired in a bundle. Six dozen in a crate.



18 gauge body wire. 12 gauge ring wire. Diameter 10 inches. Depth 3 inches.

AB 5—Weight per dozen lbs. Each \$0.10

16 gauge body wire. 10 gauge ring wire. Diameter 10 inches. Depth 9 inches.

AB 7—Weight per dozen 3½ lbs. Each \$0.12

14 gauge body wire. 10 gauge ring wire. Diameter 10 inches. Depth 9½ inches.

AB 8—Weight per dozen 5 lbs. Each \$0.15

Three dozen in a bundle.

BULL RINGS

These rings are designed to fasten in the nostrils of bulls. Makes it easy to control and lead unruly animals.



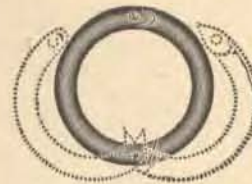
Standard

Polished copper ⅝-inch diameter. With screw at opening.

A small wire screw driver for adjusting opening screw is included with each ring.

Nos.	Each	Size, Inches	Wt. Per Doz., Lbs.
AB 22½	\$0.23	2½	2¼
AB 23	.25	3	2½

With Protected Point for Piercing



Diameter of Ring 2½ Inches

Polished copper ⅝-inch diameter. With screw at opening. A small wire screw driver for adjusting opening screw is included with each ring.

AB 31—Weight per dozen 2¼ lbs. Each \$0.27

Self-Piercing

This ring is self-piercing and does the work in one operation. Saves time, lessens danger to operator and pain to animal.

Extra Heavy Polished Copper

With heavy screw at opening and protected point for piercing; ⅝-inch copper ring, 3 inches in diameter.

AB 53—Weight per dozen 4 lbs. Each \$0.35

One dozen in a carton.

#ROUND END STOCK TANKS

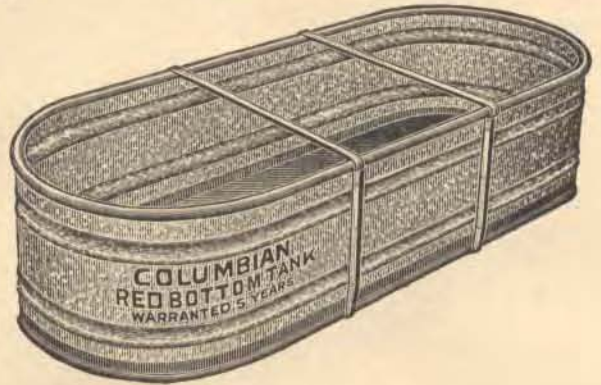
COLUMBIAN RED BOTTOM

Top rim reinforced by the Columbian patent tube top, clinched over the edge of the tank; takes all strain of pushing, crowding livestock. The smooth rounded top cannot injure stock.

WARRANTED FIVE YEARS

No other tank can approach the sturdiness found in these stock tanks. Upright seams in the side walls are sweat soldered and bottom and side walls are joined together in a machine which folds the edges over each other into a four-ply seam around the bottom of the tank, and this double-locked seam is then blown full of molten solder by a combination hydrogen torch and soldering iron, an exclusive Columbian process.

Heavy triple swedges are pressed into the shell for added strength just where needed. Has 1-inch brass flange drain opening with lead plug.



GALVANIZED STEEL 24-GAUGE THROUGHOUT Width 2 Feet, Height 2 Feet

Nos.	Cap., Barrels	Lgth., Feet	Wt., Lbs.	Std. List, Each	
				Zone 1	Zone 2
#AY 224RB	3	4	39	\$12.24	\$13.38
#AY 225RB	3 1/4	5	47	14.78	16.14
#AY 226RB	4 1/2	6	60	17.20	18.80
#AY 227RB	5 1/2	7	68	19.72	21.56
#AY 228RB	6 1/4	8	81	22.16	24.22
#AY 2210RB	8	10	97	27.10	29.62
Shpg.					
Width 2 Feet, Height 2 1/2 Feet					
#AY 22 1/2 4RB	3 1/4	4	50	\$15.06	\$16.48
#AY 22 1/2 6RB	5 3/4	6	76	21.48	23.48
#AY 22 1/2 8RB	8	8	102	27.90	30.48
#AY 22 1/2 10RB	10 1/2	10	123	34.30	37.50
Width 2 1/2 Feet, Height 2 Feet					
#AY 2 1/2 24RB	3 3/4	4	42	\$13.70	\$14.98
#AY 2 1/2 25RB	4 3/4	5	51	16.52	18.06
#AY 2 1/2 26RB	5 3/4	6	65	19.24	21.02
#AY 2 1/2 27RB	7	7	74	22.06	24.10
#AY 2 1/2 28RB	8	8	88	24.78	27.10
#AY 2 1/2 210RB	10 1/4	10	102	30.34	33.14
Width 2 1/2 Feet, Height 2 1/2 Feet					
#AY 2 1/2 2 1/2 4RB	4 1/2	4	54	\$17.70	\$19.34
#AY 2 1/2 2 1/2 6RB	7 1/4	6	82	24.78	27.10
#AY 2 1/2 2 1/2 8RB	10	8	110	31.78	34.72
#AY 2 1/2 2 1/2 10RB	12 3/4	10	129	38.88	42.48

24-GAUGE SIDES, 22-GAUGE BOTTOMS

Width 3 Feet, Height 2 1/2 Feet					
#AY 325RB	5 1/2	5	59	\$18.08	\$19.74
#AY 326RB	7	6	75	21.18	23.14
#AY 327RB	8 1/4	7	86	24.20	26.44
#AY 328RB	9 1/2	8	102	27.30	29.84
#AY 3210RB	12 1/4	10	122	33.42	36.54
#AY 3212RB	15	12	148	39.86	43.54
#AY 3214RB	17 3/4	14	169	45.98	50.24
Width 3 Feet, Height 2 Feet					
#AY 32 1/2 6RB	8 3/4	6	93	\$27.02	\$29.52
#AY 32 1/2 8RB	12	8	124	34.70	37.90
#AY 32 1/2 10RB	15 1/2	10	150	42.38	46.30
#AY 32 1/2 12RB	18 3/4	12	181	50.46	55.12
#AY 32 1/2 14RB	22	14	206	58.12	63.50
Width 3 1/2 Feet, Height 2 Feet					
#AY 3 1/2 25RB	6 1/2	5	67	\$19.72	\$21.56
#AY 3 1/2 26RB	8	6	85	23.04	25.16
#AY 3 1/2 27RB	9 3/4	7	97	26.44	28.90
#AY 3 1/2 28RB	11 1/4	8	114	29.74	32.50
#AY 3 1/2 210RB	14 1/4	10	137	36.46	39.84
#AY 3 1/2 212RB	17 1/2	12	166	43.46	47.46
#AY 3 1/2 214RB	20 3/4	14	189	50.14	54.80
Width 3 1/2 Feet, Height 2 1/2 Feet					
#AY 3 1/2 2 1/2 5RB	8	5	83	\$25.08	\$27.40
#AY 3 1/2 2 1/2 6RB	10	6	104	29.16	31.86
#AY 3 1/2 2 1/2 8RB	13 3/4	8	138	37.14	40.58
#AY 3 1/2 2 1/2 10RB	18	10	165	45.20	49.40
#AY 3 1/2 2 1/2 12RB	22	12	199	53.46	58.42
#AY 3 1/2 2 1/2 14RB	26	14	226	61.52	67.24

Retail prices are 35% discount from standard list price.

#Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

GALVANIZED STEEL 24-GAUGE SIDES, 20-GAUGE BOTTOMS Width 4 Feet, Height 2 Feet

Nos.	Cap., Barrels	Lgth., Feet	Wt., Lbs.	Std. List, Each	
				Zone 1	Zone 2
#AY 428RB	12 3/4	8	130	\$31.50	\$34.42
#AY 4210RB	16 1/4	10	156	38.20	41.74
#AY 4212RB	20	12	190	45.20	49.40
#AY 4214RB	23 1/2	14	216	51.92	56.72
#AY 4216RB	27 1/4	16	253	58.60	64.04
Shpg.					
Width 4 Feet, Height 2 1/2 Feet					
#AY 42 1/2 8RB	15 3/4	8	154	\$39.76	\$43.44
#AY 42 1/2 10RB	20 1/2	10	185	48.02	52.48
#AY 42 1/2 12RB	25	12	224	56.66	61.92
#AY 42 1/2 14RB	29 1/2	14	255	65.04	71.04
#AY 42 1/2 16RB	34	16	297	73.38	80.20
Width 4 Feet, Height 3 Feet					
#AY 438RB	19	8	170	\$44.62	\$48.74
#AY 4310RB	24 1/2	10	204	53.94	58.96
#AY 4312RB	30	12	246	63.58	69.46
#AY 4314RB	35 1/2	14	280	72.82	79.54
#AY 4316RB	41	16	326	82.14	89.74
Width 5 Feet, Height 2 Feet					
#AY 528RB	15 1/2	8	145	\$36.46	\$39.84
#AY 5210RB	20	10	176	43.94	48.00
#AY 5212RB	24 3/4	12	213	51.60	56.40
#AY 5214RB	29 1/4	14	243	59.10	64.56
#AY 5216RB	33 3/4	16	284	66.50	72.64
Width 5 Feet, Height 2 1/2 Feet					
#AY 52 1/2 8RB	19 1/2	8	171	\$45.48	\$49.70
#AY 52 1/2 12RB	30 3/4	12	240	64.06	69.98
#AY 52 1/2 14RB	36 1/2	14	283	73.18	79.98
#AY 52 1/2 16RB	43	16	329	82.34	89.94
Width 6 Feet, Height 2 Feet					
#AY 6210RB	43 3/4	10	186	\$49.00	\$53.54
#AY 6212RB	29 1/4	12	228	57.64	62.98
#AY 6214RB	34 3/4	14	270	65.90	72.00
#AY 6216RB	41	16	311	74.26	81.14
Width 6 Feet, Height 2 1/2 Feet					
#AY 62 1/2 10RB	29 1/2	10	225	\$60.56	\$66.16
#AY 62 1/2 14RB	43 1/2	14	310	81.36	88.88
Width 6 Feet, Height 3 Feet					
#AY 6312RB	43 3/4	12	297	\$ 78.82	\$ 86.14
#AY 6314RB	52 1/4	14	336	90.20	98.56
#AY 6316RB	61 1/2	16	385	101.58	110.98

ROUND STOCK TANKS

COLUMBIAN RED BOTTOM

Top rim reinforced by the Columbian patent tube top, clinched over the edge of the tank takes all strain of pushing, crowding livestock. The smooth, rounded top cannot injure stock.



24-GAUGE THROUGHOUT

Diameter 3 Feet

Nos.	Cap., Barrels	Hgt., Feet	Shpg. Wt., Lbs.	Std. List, Each	
				Zone 1	Zone 2
#AY 31RB	1½	1	25	\$10.50	\$11.46
#AY 31½RB	2¼	1½	30	11.26	12.32
#AY 32RB	3	2	36	11.96	13.06
#AY 32½RB	3¾	2½	42	15.06	16.48
#AY 33RB	4½	3	48	17.00	18.60

Diameter 3½ Feet

#AY 3½2RB	4	2	43	\$13.60	\$14.86
#AY 3½2½RB	5	2½	50	17.20	18.80
#AY 3½3RB	6	3	57	19.44	21.24

Diameter 4 Feet

#AY 42RB	5	2	53	\$15.36	\$16.78
#AY 42½RB	6¾	2½	61	19.24	21.02
#AY 43RB	8	3	68	21.88	23.90

Diameter 4½ Feet

#AY 4½2RB	7	2	62	\$17.20	\$18.80
#AY 4½2½RB	8¾	2½	70	21.78	23.80
#AY 4½3RB	10½	3	79	24.40	26.66

Diameter 5 Feet

#AY 52RB	8½	2	71	\$19.44	\$21.24
#AY 52½RB	10¾	2½	80	24.58	26.88
#AY 53RB	13	3	90	27.90	30.48

Diameter 5½ Feet

#AY 5½2RB	10½	2	81	\$21.88	\$23.90
#AY 5½2½RB	13¼	2½	91	28.18	30.80
#AY 5½3RB	15¾	3	101	32.08	35.04

Diameter 6 Feet

#AY 62RB	12½	2	96	\$24.78	\$27.10
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24-GAUGE SIDES AND 20-GAUGE BOTTOMS

Diameter 6 Feet

Nos.	Cap., Barrels	Hgt., Feet	Shpg. Wt., Lbs.	Std. List, Each	
				Zone 1	Zone 2
#AY 62½RB	15¾	2½	108	\$31.50	\$34.42
#AY 63RB	19	3	119	35.68	38.98

Diameter 6½ Feet

#AY 6½2RB	14¾	2	124	\$28.00	\$30.58
#AY 6½2½RB	18½	2½	136	35.20	38.44
#AY 6½3RB	22¼	3	148	39.46	43.12

Diameter 7 Feet

#AY 72RB	17¼	2	138	\$31.40	\$34.30
#AY 72½RB	21½	2½	151	38.88	42.48
#AY 73RB	26	3	165	43.26	47.26

Diameter 7½ Feet

#AY 7½2RB	20	2	153	\$36.06	\$39.40
#AY 7½2½RB	25	2½	167	44.22	48.34
#AY 7½3RB	30	3	181	48.60	53.10

Diameter 8 Feet

#AY 82RB	22¾	2	168	\$40.82	\$44.60
#AY 82½RB	28½	2½	217	49.72	54.32
#AY 83RB	34¼	3	235	54.38	59.42

Retail prices are 35% discount from standard list prices.

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

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GALVANIZED STEEL WARRANTED FIVE YEARS

No other tank can approach the sturdiness found in these stock tanks. Upright seams in the side walls are sweat soldered and bottom and side walls are joined together in a machine which folds the edges over each other into a four-ply seam around the bottom of the tank, and this double-locked seam is then blown full of molten solder by a combination hydrogen torch and soldering iron, an exclusive Columbian process.

Heavy triple swedges are pressed into the shell for added strength just where needed. Has 1-inch brass flange drain opening with lead plug.

SHEEP WATERING TANKS



Just the thing for watering and feeding sheep or for mixing feed.

SHALLOW PATTERN

Made of the same high-grade material as our line of regular stock tanks, with patent tube top.

20-GAUGE

Width 1½ Feet, Height 1 Foot

Nos.	Cap., Gallons	Lgth., Feet	Shpg. Wt., Lbs.	Std. List, Each	
				Zone 1	Zone 2
#AY 1½14	41	4	31	\$11.16	\$12.10
#AY 1½15	53	5	39	13.28	14.40
#AY 1½18	86	8	61	19.12	20.74

Width 2 Feet, Height 1 Foot

#AY 214	53	4	35	\$12.12	\$13.14
#AY 215	68	5	44	14.02	15.22
#AY 216	83	6	52	15.94	17.28
#AY 217	98	7	62	17.84	19.36
#AY 218	113	8	69	19.74	21.42
#AY 2110	143	10	83	23.58	25.58

Width 2 Feet, Height 1½ Feet

#AY 21½4	80	4	47	\$12.74	\$13.82
#AY 21½5	103	5	56	14.98	16.24
#AY 21½6	125	6	68	17.20	18.66
#AY 21½7	147	7	77	19.44	21.08
#AY 21½8	170	8	90	21.68	23.50
#AY 21½10	214	10	107	26.12	28.34

24-GAUGE CORRUGATED VERTICALLY

Width 1½ Feet, Height 1 Foot

Nos.	Cap., Gallons	Lgth., Feet	Shpg. Wt., Lbs.	Std. List, Each	
				Zone 1	Zone 2
#AY 1½14	41	4	23	\$10.20	\$11.16
#AY 1½15	53	5	29	12.16	13.28
#AY 1½18	86	8	46	17.50	19.12

Width 2 Feet, Height 1 Foot

#AY 214	53	4	26	\$11.08	\$12.12
#AY 215	68	5	34	12.84	14.02
#AY 216	83	6	39	14.58	15.94
#AY 217	98	7	47	16.32	17.84
#AY 218	113	8	53	18.08	19.74
#AY 2110	143	10	63	21.58	23.58

Width 2 Feet, Height 1½ Feet

#AY 21½4	80	4	35	\$11.66	\$12.74
#AY 21½5	103	5	42	13.70	14.98
#AY 21½6	125	6	51	15.76	17.20
#AY 21½7	147	7	58	17.78	19.44
#AY 21½8	170	8	68	19.84	21.68
#AY 21½10	214	10	80	23.90	26.12

BROODERS

SOL - HOT TWIN FLOAT — COAL OIL BURNING



Oil fount capacity 2 gallons. Height of heater 19 1/4 inches. Diameter of heater 18 1/2 inches. Burner No. 5. Diameter of hover 54 inches. Height over all 26 inches. The wickless burner converts common coal oil into gas and burns with a beautiful blue, intensely hot flame, equal to artificial or natural gas.

STANDARD — CAPACITY 1000 CHICKS

Heaters—Gray iron housing, terne plate reservoir and support, terne plate float chambers, brass ball floats, copper tubing supply line, screen protector placed around burner.

Control—Automatic adjustment of oil level. Only control for operator is valve to adjust height of flame desired. One feed tube to burner well permits wide range of flame control.

Hover—28 gauge galvanized sheet steel, in sections and bolted together. Octagon shape. Supported on substantial legs. Gray iron removable damper in top of hover. Reinforced throughout with steel band iron.

AY 54—Weight each crated 51 lbs.

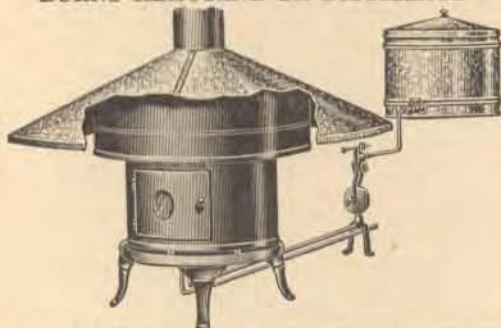
Std. List Each \$25.00 Each \$17.75

DRUM MAJOR

- Sight-drip Thermostat valve control automatically regulates and maintains an even temperature around brooder at all times.

- Economical to use. Will heat whole brooder house up to 8x10 feet in size. Cares for 300 to 1100 chicks.

BURNS KEROSENE OR DISTILLATE



Drum and Radiator—New design. Heavy construction, cold rolled metal. Burns distillate efficiently. Unusual size of drum allows perfect combustion. Cast iron base and legs. Diameter 18 inches. 5 inches deep. Height from floor 21 inches.

Deflector Canopy—Strong galvanized iron. Deflects heat evenly around brooder. Diameter 32 inches.

Stove Pipe—4 inches. Insures circular flame in burner (pipe not included).

Burner—Has outer air intake with new type non-soot flame spreader. The new cast iron base burner allows unusually low flame operation and efficient combustion with distillate. Equipped with pilot wick ring that insures easy starting and low flame economy. Requires no attention as it is automatically cleaned by flame spreader when ladder is moved. Is easily cleaned. Very large and accessible burner door.

Oil Container—Galvanized iron. Capacity 8 1/2 gallons. Sufficient for 2 to 6 days' operation under usual weather conditions. Equipped with oil strainer to prevent blocking of fuel line. Filter easily cleaned.

AY 32—Weight each 44 lbs.

Std. List Each \$15.90 Each \$13.45

One in a crate.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

EUREKA COLONY

- Simple in construction, very easy to operate.
- Every good brooder should have positive, unflinching temperature control as supplied by the two powerful thermostats, automatic in operation. Supported by strong casting, bolted to body of stove.

FOR SOFT COAL, HARD COAL, OR COKE

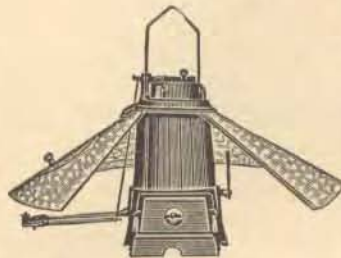
For best results use chestnut size.

Aluminized Finish

Small parts painted green.

Stove

Solid gray iron castings throughout. Fireproof base with corrugated asbestos pad attached to lower plate and 1-inch air space between asbestos pad and floor. Self-cleaning and will not clog. Stove is fed through opening in top. Complete with sheet iron ash pan.



Check Valve—Hung on knife edge bearings, opening outward so that it works perfectly.

Hover—28-gauge galvanized sheet steel. Fastened with bolts to a strong cast iron ring on top of the stove. Removable. Large opening in hover to permit shaking down and removing ashes. Complete with rope and pulleys for raising hover to convenient height for cleaning.

Pipe Not Included

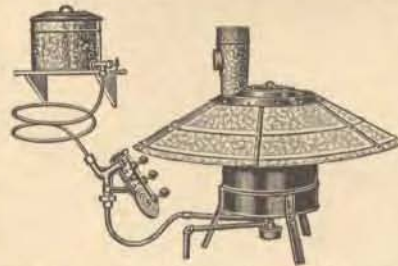
Nos.	AY 500	AY 1000
Capacity, Chicks	500	1000
Height of Stove, In.	22	25
Diameter of Stove, In.	10	11
Holds Coal, Lbs.	23	38
Pipe Collar, In.	4	5
Diameter of Base, In.	10 1/2	11 1/2
Diameter of Grate, In.	9	10 1/4
Diameter of Hover, In.	42	52
Height of Hover from Floor, In.	8 1/2	11
Weight Each, Crated, Lbs.	78	100
Each	\$15.25	18.95

Hover packed in flat crates, knocked down.
Heaters packed in corrugated cartons.

HUDSON—OIL BURNING

BURNS KEROSENE OR 48/40° GRAVITY DISTILLATE

- Safe, efficient, dependable and at the low price of a wick or blue-flame brooder!
- Provides uniform heat, care-free control, and fume-free air in any weather.
- Effectively heats a house not larger than 10x12 feet in colder climates. In warmer zones or in late season brooding, it will serve satisfactorily in larger houses. Recommended capacity 200 to 400 day-old chicks.



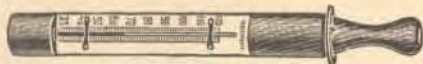
Blued steel 22-gauge drum 15 inches in diameter, 15 inches high, with substantial channel steel legs. Galvanized steel all over hover 42 inches in diameter. Powerful cast iron burner. Automatic micro temperature valve accurately controlled by compound thermostat wafers. Metal sediment bowl traps all water, dirt or foreign material from oil line. Four gallon galvanized oil tank, with oil line strainer and shut-off valve. Positive automatic draft regulator. Complete with intake and overflow pipe, also copper tubing and first joint of galvanized stove pipe.

Height over all 26 1/2 inches.
Capacity 200 to 400 Day-Old Chicks
ABH52C—Weight each 37 lbs. Each \$11.75

One in a carton.

BROODER THERMOMETERS

SPIRIT



Graduated—30 to 120 Degrees Above Zero

Red stained wood base 1 inch in diameter, 9 1/4 inches long, with 1 1/2-inch steel stop near top. Silver finish scale with black figures and lines. Magnifying glass tube. Nickel plated straps.

AB 400—Weight per dozen 2 lbs. Each \$0.39



Graduated—20 to 120 Degrees Above Zero

Easy to read—magnifying glass tube. White enameled steel base 1 1/4 x 7 inches, with black figures and lines. Wide bare lens tube, spirit filled. Nickel plated bulb guard.

AB 12—Weight per dozen
1 1/2 lbs. Each \$0.29

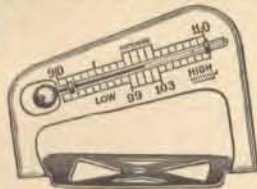
One in a carton.

INCUBATING THERMOMETERS

Keep Temperatures Uniform

Note—Incubating thermometers are used only between the temperatures of 100 and 105 degrees.

Pressed steel frame, white porcelain enameled with black numerals and scale fused into white enamel. Wide bore lens tube, mercury filled. Hatching 100 to 105 degrees. Rustproof throughout. Accuracy guaranteed.



Black Enameled

Steel Base

Size—4 3/8 x 1 3/8 inches.

Scale—4 1/2 x 1 1/2 inches.

Mercury

AB 403—Weight per dozen
2 1/4 lbs. Each \$0.49



4 inches long. 1 1/2 inches wide.

Mercury

AB 38—Weight per dozen 1 1/2
lbs. Each \$0.49

One in a carton.

THERMOSTAT WAFERS



Exceptionally sensitive to temperature variations.

For use on all incubators and brooders where automatic thermostatic regulation controls the heat.

Corrugated brass double wafer 3 inches in diameter. Brass center lug.

AB 3B—Weight per dozen
3/4 lb. Each \$0.25

Packing—bulk.

ASBESTOS RING WICKS

For Drum Major Brooder No. AY 32

Made of woven asbestos, interwoven with brass and stiffened with 3 brass wires. Length 8 inches. Width 1 1/4 inches.

AB AW—Weight per dozen 1/2 lb.

Std. List, Per Dozen \$2.40. Each \$0.19

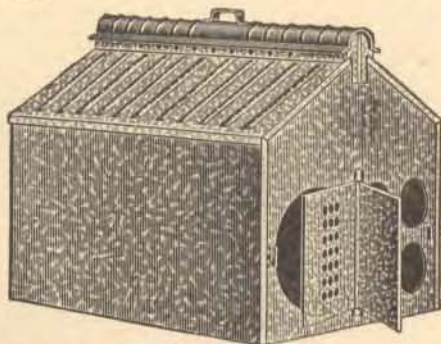
One in an envelope.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

CHICK OR BROOD COOPS

Portable

- These coops provide greatest protection for your hens and chicks at lowest possible cost.
- Flat bottom sets up from ground, preventing corrosion.
- Can be taken apart and stored in small space when not in use.

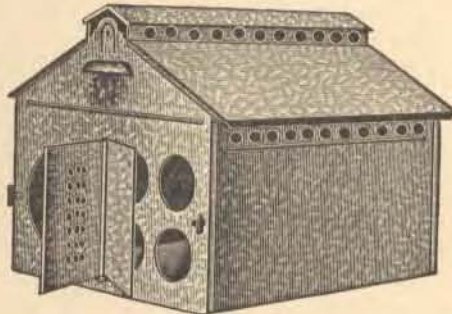


Sheet Steel 28 Gauge

Roll ridge top. Corrugated roof.

Hinged doors with catches, one door slotted for ventilation. Large opening for hen, four small openings for chicks. Large and roomy. Capacity one hen and 25 chicks. Length 22 inches, width 17 1/2 inches, height to eaves 12 1/2 inches. Height over all 18 1/2 inches. Made of heavy galvanized sheet steel, easy to clean and keep free of mites and vermin.

AB 144—Weight per dozen 160 lbs. Each \$1.59



Sheet Steel 29 Gauge

Square ridge top. Smooth roof. Louver slot near top at front and back.

Hinged doors with catches, one door slotted for ventilation. Large opening for hen, four small openings for chicks. Large and roomy. Capacity one hen and 25 chicks. Length 22 inches, width 17 1/2 inches, height to eaves 12 1/2 inches. Height over all 18 1/2 inches. Made of heavy galvanized sheet steel, easy to clean and keep free of mites and vermin.

AB RT—Weight per dozen 140 lbs. Each \$1.35

One-half dozen in a carton.

**KEEN KUTTER
QUALITY
SAVES You TIME,
EFFORT and
MONEY**

CHICK FEEDERS

REVOLVING REEL TYPE

Fitted with reel which revolves freely, prevents roosting and keeps chicks out of the trough.

Reel is so constructed that it will not catch or injure chicks' toes.

Troughs are sturdy, long lasting. Made of heavy galvanized iron with feed saving lip.



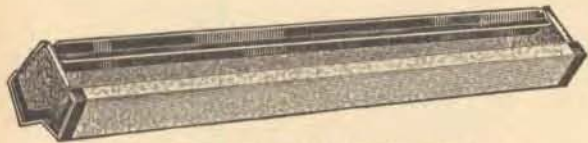
ADJUSTABLE WIRE STRAND

Can be used for day-old chicks to broiler size as reel and legs can be adjusted to various heights.

Trough 4¼ inches wide, 2 inches deep with ends securely clinched. Has ½-inch feeding lip to prevent waste of feed. Adjustable wire stand to regulate height of feeder from 1¼ to 3½ inches from floor.

Nos.	Each	Length, Inches	Weight per Doz., Lbs.
AB D236	\$0.59	36	39
AB D248	.75	48	51

One dozen in a carton.



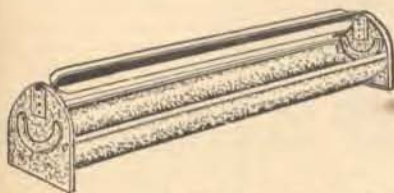
FOUR-CORNERED METAL REEL

Sturdily made reel, 1¼ inches in diameter, with turned edges, revolves easily, noiselessly.

Feeder 6¼ inches wide, 3 inches deep. Has 1-inch lip to prevent waste of feed. Length 40 inches. Height over all 5½ inches.

AB D245—Weight per dozen 63 lbs.....Each \$0.79

Shipped set up, one-third dozen in a carton.



BALANCED 4-BLADE REEL

Metal reel, red enameled, spins freely and can be adjusted to four positions.

New improved round bottom feeder trough

moves feed to center as used. Food remains clean to last speck. Suitable for day-old to six weeks old chicks. Folded, curved feeding lip, ½-inch wide—saves food, protects chicks from injury in feeding. Troughs 4 inches wide at top, 2½ inches deep. Height over all 4½ inches.

Nos.	Each	Length, In.	Dozen in a Carton	Wt. Per Doz., Lbs.
AB 324	\$0.45	24	2	15
AB 336	.55	36	1	30
AB 348	.79	48	½	125

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.



REVOLVING WOOD PERCH

Heavy galvanized iron pan 26 gauge with ends folded and spot welded. Wide feeding lip on each side.

Pan is 2 inches high, 4 inches wide. Height over all 3¼ inches.

Nos.	Each	Length, Inches	Weight per Doz., Lbs.
AB 624	\$0.23	24	19½
AB 636	.35	36	28½



BALANCED 4-BLADE REEL

Red enamel metal reel spins freely. Can be adjusted to two positions.

Feeding trough is die-formed from one-piece heavy galvanized steel with feeding lip curved for chick safety and feed economy. Size 24 inches long, 4 inches wide at top, 2½ inches wide at bottom, 1½ inches deep.

AB 224—Weight per dozen 13½ lbs.....Each \$0.29

Two dozen in a carton.



DELPHOS

With "Z" shaped one-piece metal reel that re-

volves very easily preventing chicks from roosting on feeder.

Trough one-piece stamped heavy galvanized iron, with folded edge or lip at top to prevent waste of food. Sturdily constructed.

Size—16 inches long, 3½ inches wide at top, 2½ inches wide at bottom, 1½ inches deep.

AB D116—Weight per dozen 11½ lbs.....Each \$0.12

Three dozen in a carton.

WIRE GUARD ROD

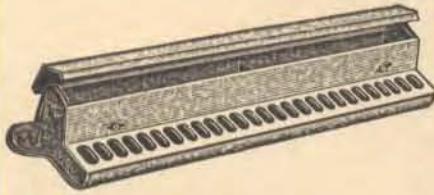


Fitted with wire guard rod to keep chicks out of trough. Adjustable to two positions for starting and growing chicks. Can be swung to side for cleaning and filling. Galvanized iron. Round bottom die-formed trough 2¼ inches wide, 1¼ inches deep, with turned-in flange to insure strength and prevent foot waste. Base 4½ inches wide. Length over all 24 inches.

AB N24—Weight per dozen 13 lbs.....Each \$0.19

One dozen in a carton.

CHICK FEEDERS



HINGED TOP

Easy to fill and to clean!

Allows a large number of chicks to feed at one time without crowding. Feed flows automatically into both sides

of trough at one time from concave bottom. Pointed top prevents chicks from roosting on cover.

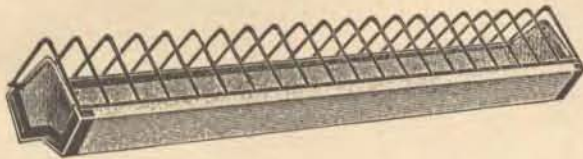
Sturdily made of 26-gauge galvanized iron. Turned edges on feeding holes.

Nos.	AB 140	AB 141
Capacity, Qts.	10	17
No. of Feed Openings	34	54
Length, Inches	21	35
Width, Inches	8½	8½
Height, Inches	7	7
Doz. in a Carton	½	¼
Wt. Per Dozen, Lbs.	60	96
Each	\$0.85	1.29

Hinged Wire Grille Top

Especially designed to keep chicks from roosting on feeder or getting into the feed. Permits easy cleaning. Has wide lip on each side to prevent feed waste.

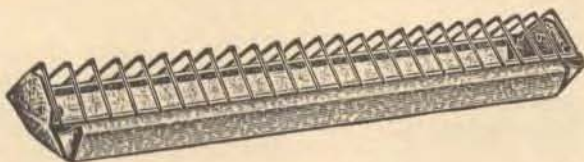
Permits easy feeding of wet or dry mash, without waste, to broilers, pullets or turkeys.



Heavy galvanized iron with spot-welded, hinged single wire grille with 2-inch openings. One inch lip. Feeder 6¾ inches wide, 3 inches deep. Height over all 5½ inches. Length 40 inches.

AB D243—Weight per dozen 60 lbs.....Each \$0.89

Shipped set up, one-third dozen in a carton.



Best quality 26-gauge galvanized iron trough, with ends folded and spot welded. Trough 4 inches wide, 2 inches deep, height over all 3½ inches.

Nos.	AB 78	AB 79	AB 80
Length, Inches	24	36	48
Wt. Per Dozen, Lbs.	20½	30	35½
Each	\$0.37	.49	.69

Two dozen in a fibre carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.



Sliding Cover
Correctly sloped smooth edge openings.

Pan and top each made of one piece

of galvanized steel. Easily filled and cleaned by removing sliding cover. Width 4½ inches. Height 2½ inches.

Nos.	Each	Number of Holes	Length Over All, In.	Dozen in a Carton	Weight Per Dozen, Lbs.
AB 520	\$0.12	16	13	2	8½
AB 521	.23	32	23	1	15

For Feed or Water

Very Popular, Economical, Sanitary!



Die stamped from best quality tight coat galvanized steel. Two sections.

Cone-shaped bottom pan keeps feed near outer edge. Hood-shaped top has eight 1¼-inch smooth round feed holes.

Diameter 6 inches, height 2 inches.

AB 11—Weight per dozen 4½ lbs.....Each \$0.10

Six dozen in a carton.

BUTTERMILK FEEDERS

For milk, medicated feed or water. Safe, sanitary, economical. Easy to fill and to clean.

Sliding Top

Bright charcoal tin plate. Crimped corners. Sliding top. Flat bot-



tom. No seams, rivets or solder.

Nos.	AB 137	AB 138
No. Feed Openings	10	20
Length, Inches	13	24
Width, Inches	4¼	4¼
Height, Inches	2	2
Dozen in a Carton	2	1
Weight Per Doz., Lbs.	7	13
Each	\$0.20	.25

Polly Prim

ALUMINUMWARE

Does the Work Well

and

Costs So Little

CHICKEN FOUNTAINS

Increase Your Poultry Profits by Using One of These

Sturdily built, long-lasting fountains of galvanized metal, sanitary, rust-resisting. Easily filled and cleaned. Provides a supply of fresh pure water with little labor.



TOP FILL—LAMP HEATED

A practical winter fountain with lamp heater. Fountain can be used separately if desired. Water tank has automatic water feed and shutoff valve. Flow of water stops automatically when outer jacket is removed.

Heavy galvanized steel, seamed and soldered. Tank and outer jacket beaded. Heavy brace across top of tank. Extra heavy bail fastens up, out of the way when not in use. Inner tank is 15 1/4 inches high, 9 1/4 inches in diameter and is fitted with handy carrying handle and automatic water control valve. Height over all 24 inches.

WATER CAPACITY 5 GALLONS

Brooder heater—Heavy galvanized iron ventilated body with hinged door. Terne plate lamp 1 1/2 inches high, diameter 6 inches with filler cap and handle. Fitted with No. 1 Zenith chimneyless burner that will not smoke. No. 1 wick. Lamp holds sufficient oil to burn 7 days. Height of heater 9 1/2 inches, diameter 14 1/4 inches.

AB 270—Weight per dozen 120 lbs. Each \$3.49

Two in a fibre carton.



THERMIC—SANITARY—NON-FREEZING

Keeps water warm in winter and cool in summer. Is easily filled by laying it on its side. Feeds water automatically without valves or other complicated parts.

Best quality galvanized iron with double walls and packed with an efficient insulating material. Insulation is completely around the inside tank. Extra heavy malleable handle well fastened for carrying. Special reinforced bottom, 3/4 inch off the ground. Extra wide and deep pockets. Inset pocket and cone top keeps water in drinking pocket clean.

Height over all 16 inches. Diameter 13 1/2 inches.

Capacity 3 gallons.

AB 35—Weight per dozen 276 lbs. Each \$2.89

One in a crate.



Double Wall—Vacuum Type

These fountains have a patented grooved air entrance that maintains constant water level in pan without bubbling overflow.

The self-closing valve holds water in inner tank when cover is removed. Double wall causes water to remain cold in summer and retards freezing in winter.

Operates automatically on the vacuum principle. Inside water tank soldered to pan. Exclusive patented lock permits locking the cover to tank for easy carrying by outer handle. Easy to keep clean and sanitary.

fill from top and easy Heavy galvanized iron rigidly constructed. Inner tank and cover double seamed. One-piece drinking pan, with curled edge. The cone-shaped top prevents roosting.

For Broilers and Hens

Capacity 5 gallons: Height 15 inches. Diameter 15 inches.

AB D5—Weight per dozen 132 lbs. Each \$2.89

One in a carton.



For Chicks

Capacity 2 gallons: Height 10 1/2 inches. Diameter 11 inches.

AB D2—Weight per dozen 57 lbs. Each \$1.39

One-third dozen in a carton.



HANDY FILL

Heavy galvanized iron. Upper section double seamed, fitted with reversible wire ball. One-piece extra heavy galvanized iron drinking pan, with smooth rolled edge especially designed to prevent small chicks from getting into the water. Drinking pan secured to upper section by wire snap hooks.

Height 12 1/2 inches. Diameter of pan 11 1/2 inches.

Capacity 3 gallons.

AB C3—Weight per dozen 60 lbs. Each \$1.35

One-third dozen (nested) in a carton.



Drinking pan is extra heavy, fluted or scalloped, giving chicks easy access to water without crowding. The body or can snaps firmly to pan and is held securely in place so that fountain can be carried by top handle when filled with water without spilling.

Prime galvanized steel, accurately die stamped. Wire ball for carrying.

Height 12 1/2 inches. Diameter 10 inches.

Capacity 2 gallons.

AB 18—Weight per dozen 40 lbs. Each \$0.79

One-half dozen in a carton.

There Is a
Difference In Kitchenware.

Colly Prim
KITCHENWARE
is
Unusually Good
but
Modest In Price.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

CHICKEN FOUNTAINS



Seamless pan is sanitary, very easy to clean.

To fill it is only necessary to pull top off of base, turn can upside down and fill. Push base on and invert. The pressure of the air together with grooves in pan holds weight of water—fountain can be carried by the handle on top without the slightest danger of bottom dropping off.

Galvanized sheet steel, with red painted band at top. Seamless pan, fitted with soldered flat steel handle.

Diameter pan 9 7/8 inches. Diameter tank 6 3/4 inches. Height over all 10 1/2 inches.

Capacity 1 gallon.

AB 135—Weight per dozen 30 lbs. Each \$0.45

One dozen in a crate.



An excellent inexpensive waterer for chicks and grown fowl.

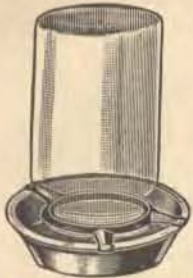
Heavy galvanized iron fount, in two parts, double seamed and soldered. Red enameled top. Seamless heavy bright charcoal tin pan, with turned rim. The round taper shaped body prevents any damage if accidentally frozen.

Height 9 3/4 inches. Diameter pan 8 inches, depth 1 3/4 inches.

Capacity 1 gallon.

AB 530—Weight per dozen 18 lbs. Each \$0.29

Two dozen in a carton.



WITHOUT JAR GLASS PAN

For Feeding Milk, Buttermilk or Medicated Water

Heavy moulded glass saucer or drinking pan with smooth edge. Extra heavy ribbed metal jar holder clamps over center edge of pan. Jar and holder quickly detached from pan for filling or cleaning.

Threaded to fit pint, quart and two quart Mason jars.

Diameter saucer 6 inches.

AB B25—Weight per dozen 8 3/4 lbs. Each \$0.10

Three dozen in a carton.



For Feeding Dry Food as Well as Liquids

One-piece stamped 26-gauge steel pan, 1 1/4 inches deep, 6 inches in diameter. Iron threaded rim, with rests electrically welded to bottom of pan to screw in a half quart or one quart Mason fruit jar.

AB 10N—Galvanized Each \$0.07

AB 010—Blue Enameled..... Each .07

Three dozen in a case. Weight per dozen 3 1/2 lbs.



STAR

Stamped one piece heavy terne plate, rust-resisting metal, without seams, solder or loose parts. Cannot leak. Threaded on each inside corner to permit using pint, quart or two quart Mason glass jar. Size 6 7/8 x 6 7/8 inches. Depth 3/8-inch.

AB 32—Weight per dozen 3 lbs. Each \$0.07

One dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

NEST EGGS

White porcelain. Will not absorb odor or moisture. Non-chilling.



PORCELAIN

AB 18—Weight per dozen 1 1/2 lbs. Dozen \$0.30

Packing—bulk.

LEG BANDS

BRIGHT ALUMINUM



Length over all 3 inches. Adjustable to fit any size leg.

Nos.	Per Pkg.	Qty. in Pkg.	Wt. Oz.	Number Consecutively
AB 125	\$0.12	25	1	1 to 25
AB 150	.23	50	2 1/2	1 to 50
AB 1100	.39	100	4	1 to 100

SPIRAL LEG BANDS

PERFECTO



No. 1



No. 2



No. 3

For marking large and small birds, chicks and pigeons.

Celluloid. Extra long lap makes them strong and prevents them from coming off.

SINGLE SPIRAL

For Asiatic Breeds

Inside Diameter 3/4 Inch

Nos.	Per 100	Color
AB 1DB	\$0.45	Dark Blue
AB 1G	.45	Green
AB 1R	.45	Red

For American Breeds

Inside Diameter 1 1/16 Inch

Nos.	Per 100	Color
AB 2Y	\$0.37	Yellow
AB 2DB	.37	Dark Blue
AB 2G	.37	Green
AB 2R	.37	Red

For Leghorns, Etc.

Inside Diameter 9/16 Inch

Nos.	Per 100	Color
AB 3Y	\$0.30	Yellow
AB 3DB	.30	Dark Blue
AB 3G	.30	Green
AB 3R	.30	Red

Strings of 50 of one number in a package. Average weight per 1000 3/4 lb.

Heat Your Home WITH A SIMMONS CIRCULATING OIL HEATER

—Clean, Easy to Tend,
Economical to Operate

COW BELLS

HOLSTEIN



Sturdily constructed. Gives clear, penetrating ring, heard long distances.

Stamped from sheet steel, brassed finish. Brazed and riveted joint. Steel loop riveted through top. Cast-iron clapper with wire hanger.

Nos.	Each	Size at Mouth, In.	Size Loop, In.	Height Loop, In.	Wt. Without Per Doz., Lbs.
AB 1	\$0.75	3¼x5	2½	6½	24
AB 2	.65	3½x4 7/8	1½	5 7/8	20
AB 3	.49	2¾x4	1½	5¼	14
AB 4	.45	2½x3½	1½	4½	10
AB 5	.39	2¾x2 7/8	1¾	3½	6
AB 6	.35	2½x2 5/8	1¾	3	5
AB 7	.30	2 x 2 3/8	1¾	2½	4
AB 9	.25	1¾x2 3/8	1	2 5/8	2

Packing—bulk.

SHEEP BELLS



A great convenience in locating the flock.

Copper plated. Steel bell 1½ inches long, with 2 1/16x1 1/16-inch throat. Malleable loop and tongue. Length over all 2¼ inches. Black leather strap with leather chafe 2x1½ inches.

AB 25—Weight per dozen 3 lbs. Each \$0.29

One dozen in a carton.

TURKEY BELLS

Enables flock to be easily located.

Steel, Nickel Plated

With double throat, 1¼ inches in diameter. ¼x7 inches black strap with buckle riveted to bell.

AB 10T—Weight per dozen 2¼ lbs. Each \$0.15



Bell 2 inches in diameter, 1¼-inch high. ½x8-inch red leather strap with buckle safe riveted to bell.

AB 4T—Weight per dozen 1½ lbs. Each \$0.15

Two dozen in a cardboard box.

*FARM BELLS

Has a pleasant, penetrating tone. A real convenience on any farm.

Bowl cast from high-grade steel alloy. Cast-iron yoke and frame.



Nos.	Each	Diameter Bowl, Inches	Weight Each, Lbs.
* AB 15F	\$ 6.45	15	40
* AB 17F	7.85	17	50
* AB 19F	11.85	19	75
* AB 21F	15.85	21	100

Packing—bulk.

*FIRE ALARM BELLS



These bells have no wheel, but are fitted with double clapper, as shown.

Nos.	Each	Diam. Bell, In.	Hgt. All, In.	Wt. Over Complete, Lbs.
* AY 530	\$ 89.00	30	43	555
* AY 532	102.00	32	43	605
* AY 534	121.00	34	50¼	730
* AY 536	147.00	36	50¼	855
* AY 540	198.00	40	54	1190
* AY 544	262.00	44	56	1595
* AY 548	332.00	48	70¼	2000
* AY 554	486.00	54	70¼	2985

Bell bowls packed in bulk. Mountings one set in a crate.

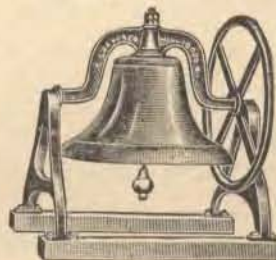
*STEEL ALLOY BELLS

HILLSBORO

Bowl cast from selected steel alloy. Finished in bronze. Cast-iron yoke, uprights, wheel, clapper and tolling hammer. Heavy hardwood sills. Bowl secured to yoke. Uprights secured to sills. School bells have no tolling hammer. Church bells fitted with tolling hammer, as shown. No rope furnished with any of these bells unless ordered separately. Wood sills and uprights painted blue. Wheel and yoke painted black.

SCHOOL BELLS

CHURCH BELLS



HILLSBORO, SCHOOL, WITHOUT TOLLING HAMMER

Nos.	Each	Diam. Bell, In.	Hgt. All, In.	Wt. Over Complete, Lbs.
* AY 14¼	\$ 21.00	20	29	180
* AY 14½	26.00	22	31	240
* AY 15	33.00	24	31	280
* AY 16	52.00	26	36	350
* AY 16¼	65.00	28	38½	460

HILLSBORO, CHURCH, WITH TOLLING HAMMER

Nos.	Each	Diam. Bell, In.	Hgt. All, In.	Wt. Over Complete, Lbs.
* AY 38	\$160.00	38	56	1010
* AY 40	192.00	40	57	1300
* AY 42	213.00	42	65	1480
* AY 44	258.00	44	65	1790
* AY 48	323.00	48	72	2280
* AY 54	481.00	54	82	3150

The weights and prices above named are for complete bells and include wood sills, iron wheel and (for Nos. AY 38, AY 40, AY 42, AY 48 and AY 54) tolling hammers, without extra charge.

* Goods marked thus (*) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

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SUGGESTIONS for SELECTING WATER SYSTEMS

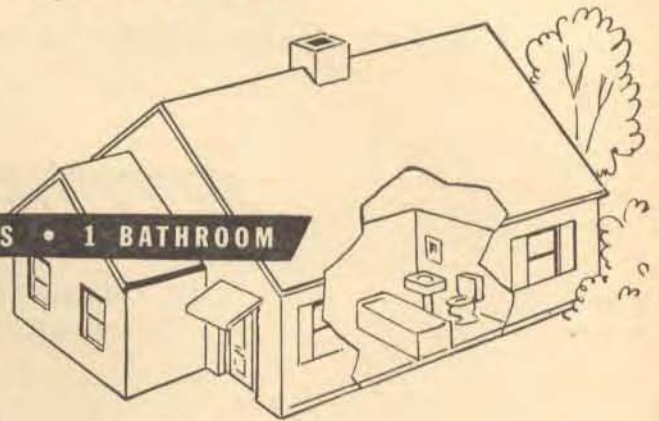
Small Home Requirements

225 - 250
Gallons Per
Hour Pump
8 - 15 - 20 - 42
Gallon Tanks



SMALL HOMES • 1 BATHROOM

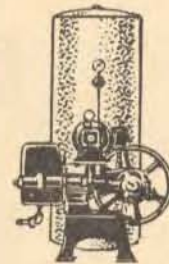
Filling Stations
Barbecue Stands
Restaurants
Stores
Trailers
Summer Resort Cabins



Medium Sized Home Requirements

MEDIUM SIZED HOMES • 2 BATHROOMS

350
Gallons Per Hour
Pump
42 - 82 - 120
Gallon Tanks



Taverns
Farm Residences
Railroad and Bus
Stations
Small Camps
Small Schools
Dairies
Churches

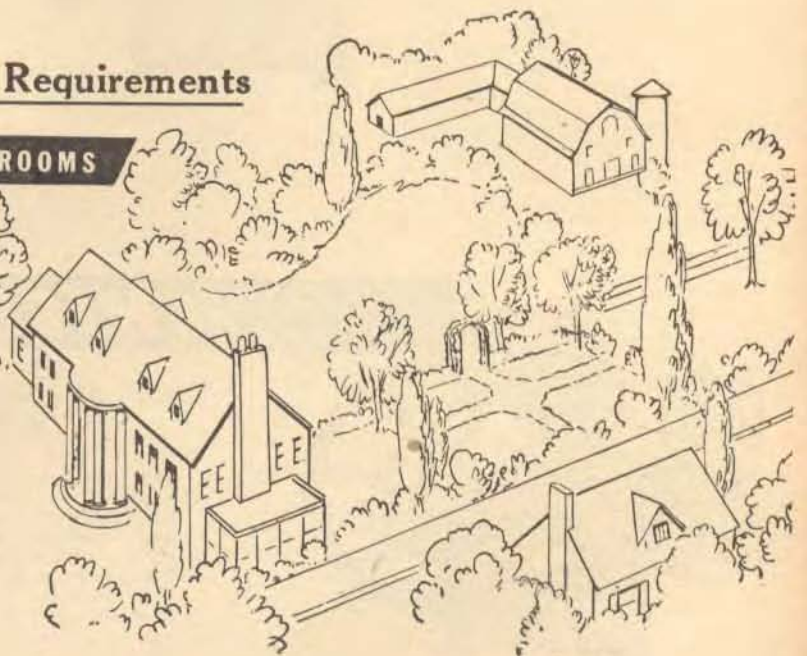
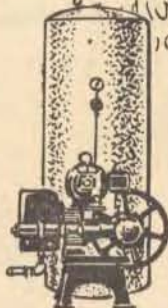


Large Home Requirements

LARGE HOMES • 4 BATHROOMS

Large Farms and Barnyards
Small Hotels
Medium Sized Schools
Airports
Tourist Camps
Small Factories
Small Air Conditioning Jobs

500
Gallons Per Hour
Pump
42-82-120-220-315
Gallon Tanks



Red Jacket Shallow Well Water Systems

Select from these three outstanding lines

RED JACKET offers a wide selection of models and sizes in three distinctive priced lines. Each of these three lines is well known for its many exclusive Red Jacket design features which make it an outstanding pump value and assure maximum operating economy with minimum attention.

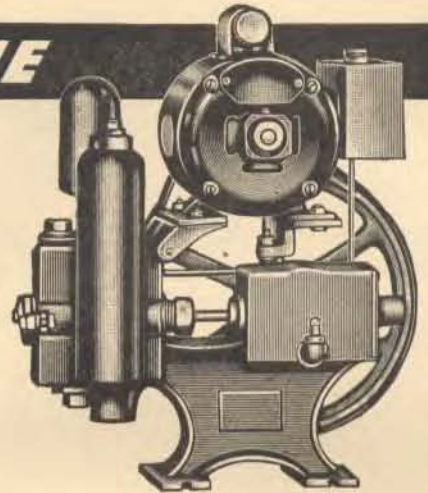
Select from these three Red Jacket lines with confidence. Designs of all Red Jacket pumps, units and water systems have been originated and developed by engineers with a lifetime of experience.

Rigid material standards, skillful manufacturing and severe testing all combine to produce what you most desire — dependable economical automatic water supply.

"SCOUT" LINE

LOW COMPETITIVE PRICE GROUP

The "Scout" line 1148 series of 225 gallons per hour oil lubricated Red Jacket water systems is a small economical unit with all the ruggedness and endurance of larger capacity Red Jacket pumping units. It is unequalled for simplicity of construction. Employing a 1-piece piston rod that is rigidly mounted and permanently aligned, they are world famous for their economical and trouble-free performance.

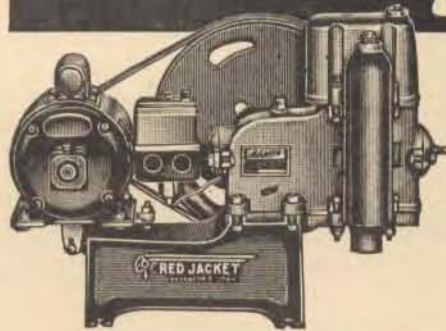


No. 1148

"WARRIOR" LINE

COMPETITIVE PRICE GROUP

The "Warrior" line W-250 series of 250 gallons per hour Red Jacket water systems has the exclusive feature of being water lubricated. They do not require oiling at any time. These units employ the same principle used on propeller shafts of largest ocean liners. Requiring only absolute minimum attention, the Red Jacket W-250 series is highly favored for dependable operation and attractive low cost.



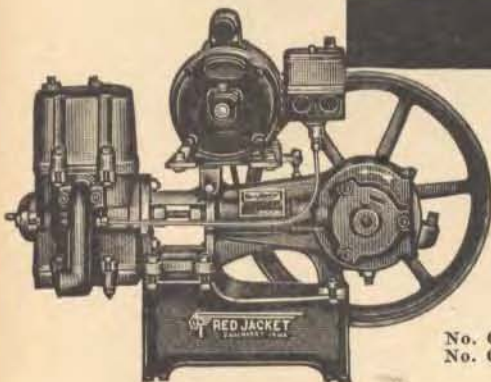
No. W-250

"CHIEF" LINE

STANDARD PRICE GROUP

Nos. O-250 and O-350

This De Luxe line includes the following pumping units: The O-250, 250 gallons per hour capacity and the O-350, 350 gallons per hour capacity Red Jacket water systems. They are all oil lubricated and employ the most advanced principles of power pumping. Castings are extra heavy, as are power frame, shafting and bush bearings. Best quality materials used throughout. The pumping unit is fitted with the finest accessory equipment obtainable. They are designed and built for extremely hard service at their rated capacities.

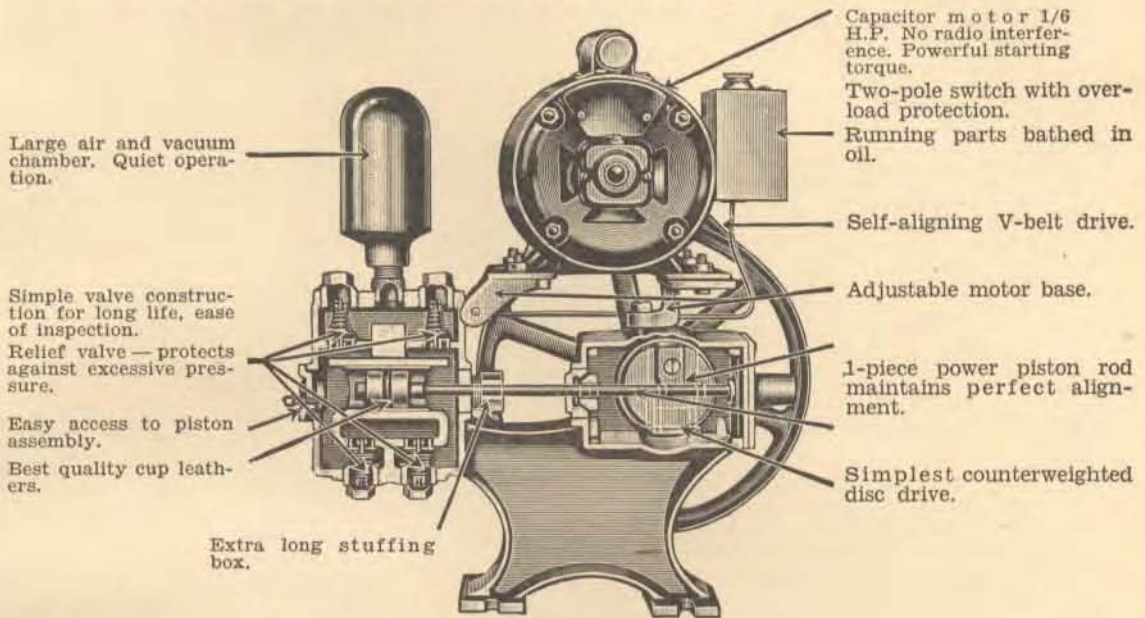


No. O-250
No. O-350

Red Jacket "SCOUT" WATER SYSTEMS

WITH No. 1148 PUMPING UNIT—FOR SMALL HOMES

225 Gallons Per Hour—Oil Lubricated—22 Ft. Suction Lift



Large air and vacuum chamber. Quiet operation.

Simple valve construction for long life, ease of inspection.

Relief valve — protects against excessive pressure.

Easy access to piston assembly.

Best quality cup leathers.

Extra long stuffing box.

Capacitor motor 1/6 H.P. No radio interference. Powerful starting torque.

Two-pole switch with overload protection.

Running parts bathed in oil.

Self-aligning V-belt drive.

Adjustable motor base.

1-piece power piston rod maintains perfect alignment.

Simplest counterweighted disc drive.

No. 1148 PUMPING UNIT WITH ELECTRIC MOTOR

Recommended for the small home, summer cottage, filling station and refreshment stand. They provide a water supply at extremely low cost. The Little Scout has an outstanding and unique power end with fewer operating parts than any other reciprocating pump. Ruggedly built, it insures trouble-free, quiet performance throughout its unusually long service life. Maximum working pressure up to 40 lbs.



No. 1148-T8

No. 1148 ELECTRIC WATER SYSTEMS

Include pumping unit, relief valve, pressure switch, pressure gauge, air control, galvanized steel pneumatic storage tank, and fittings between tank and pump.

No. 1148-T8—8-gallon storage tank system for small houses with minimum water requirements.

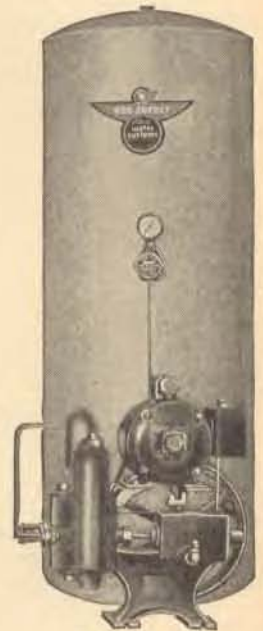
No. 1148-T15—15-gallon storage tank system for small homes.

No. 1148-T42—42-gallon storage tank. Most practical size for average family home with one bathroom.

No. 1148-T120—120-gallon galvanized storage tank handles unusual water demands and decreases operating costs.

How to Select the Right Size Tank

The No. 1148 water system can be furnished with an 8, 15, 42 or 120-gallon storage tank. Any of these combinations will take care of a one bathroom home or equivalent. The larger the storage tank, the less often the pumping unit starts and stops, which results in lower operating cost. Larger tanks provide more reserve storage for large sudden withdrawals.



No. 1148-T15
No. 1148-T42
No. 1148-T120

Specifications

Complete with 1/6 H.P. Capacitor 110-Volt, 60-Cycle A.C. Motor. Cylinder bore 1 3/8 in. Stroke 1 1/8 in. Suction 3/4 in. Discharge 1/2 in.

COMPLETE WATER SYSTEM

Nos.	Each	Cap. Tank Gallons	Overall Size In.	Shipping Weight Lbs.
1148-T8	\$52.75	8	18x33x24	118
*1148-T15	56.20	15	18x33x33	127
*1148-T42	64.50	42	18x33x51	181
*1148-T120	87.60	120	25x41x65	289

Note to Dealer: The symbols "AY" apply to all numbers shown on this page.

Goods marked thus () are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.



REPAIR KIT

contains cup leathers, valve rubbers, valve springs, cotter keys, air sniffer core and complete set of gaskets.

Red Jacket "WARRIOR" WATER SYSTEMS

WITH No. W-250 PUMPING UNIT—FOR SMALL HOMES
(Formerly No. 1150)

250 Gallons Per Hour—Water Lubricated—22 Ft. Suction Lift

Self-aligning V-belt drive.

Two-pole switch with overload protection.

¼ H.P. heavy duty Capacitor motor. No radio interference.

Adjustable motor base.

Water lubricated like propellor shafts in large ocean liners.

Special built-in relief valve.

Valves and moving parts easily accessible.

Special oil impregnated bearings.

No. W-250 PUMPING UNIT WITH ELECTRIC MOTOR

The "Warrior" is the most popular unit in the Red Jacket line for reliable and economical service. Is designed to meet the needs of the average home, roadside filling station and rural store. It is the only water lubricated pumping unit of its kind made. There is no risk of damage to working parts through lack of oil. Its dependability and endurance have been thoroughly tested and proven through thousands of installations. Maximum working pressure up to 40 pounds.

No. W-250 ELECTRIC WATER SYSTEMS

Includes pumping unit, relief valve, pressure switch, pressure gauge, air control, galvanized steel pneumatic storage tank, and fittings between tank and pump.

How to Select Right Size Tank

The No. W-250 water system can be furnished with an 8, 15, 20, 42 or 120 gallon storage tank. Any of these combinations will take care of a one bathroom home or equivalent. The larger the storage tank, the less often the pumping unit starts and stops, which results in lower operating cost. Larger tanks provide more reserve storage for large sudden withdrawals.

Specifications

Complete with ¼ H.P. Capacitor 110-Volt, 60-Cycle A.C. Motor. Cylinder bore 1 3/8 in. Stroke 1 1/2 in. Suction 3/4 in. Discharge 3/4 in.

COMPLETE WATER SYSTEM

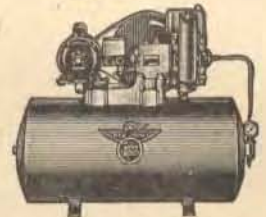
Nos.	Each	Cap. Tank Gallons	Overall Size In.	Shipping Weight Lbs.
W-250-T8	\$56.75	8	26x12x24	138
# W-250-T15	58.70	15	26x26x33	148
W-250-T20	61.30	20	34x14x28	171
# W-250-T42	67.00	42	26x30x51	202
# W-250-T120	90.10	120	26x38x65	310

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Horizontal Tank Systems



No. W-250-T8

No. W-250-T20

No. W-250-T8—8-gallon horizontal tank.

No. W-250-T20—20-gallon horizontal tank.

For use in restricted spaces, shipped completely assembled, ready to connect. For small homes with one bathroom.



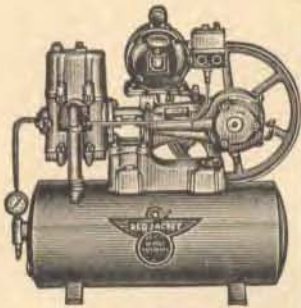
REPAIR KIT

Contains cup leathers, valve rubbers, valve springs, cotter keys, air snifter core and complete set of gaskets.

RED JACKET "CHIEF" WATER SYSTEMS

WITH No. O-250 PUMPING UNIT—FOR SMALL HOMES

(Formerly No. 1151)



No. O-250-T8
No. O-250-T20

No. O-250 Complete Water Systems

Shipped completely assembled, ready to connect.

No. O-250-T8—No. O-250 pumping unit mounted on 8-gallon horizontal pneumatic storage tank. Requires space only 15" wide by 30" long. Supplies ample water under pressure for a small size family.

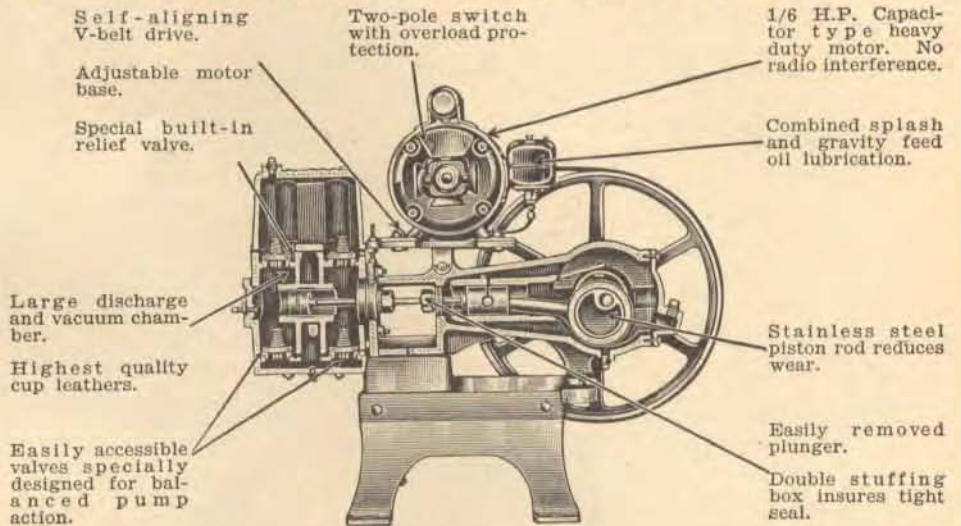
No. O-250-T20—Compact, efficient assembly of No. O-250 pumping unit with a 20-gallon horizontal pneumatic storage tank. Requires space only 16"x34". Adequately meets requirements of average size family.



REPAIR KIT

Contains cup leathers, valve rubbers, valve springs, cotter keys, air snifter core and complete set of gaskets.

250 Gallons Per Hour—Oil Lubricated—22 Ft. Suction Lift



Self-aligning V-belt drive.

Two-pole switch with overload protection.

1/6 H.P. Capacitor type heavy duty motor. No radio interference.

Adjustable motor base.

Combined splash and gravity feed oil lubrication.

Special built-in relief valve.

Large discharge and vacuum chamber.

Stainless steel piston rod reduces wear.

Highest quality cup leathers.

Easily removed plunger.

Easily accessible valves specially designed for balanced pump action.

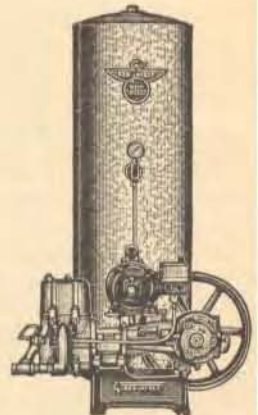
Double stuffing box insures tight seal.

No. O-250 PUMPING UNIT WITH ELECTRIC MOTOR

This De Luxe pumping unit is built for heavy duty service. It is recommended for average size homes with one bathroom, filling stations, resort homes, etc. Castings are extra heavy, as are power frame, shafting and bearing bushings. Best quality materials used throughout. Maximum working pressure up to 50 lbs. Complete as shown.

No. O-250 VERTICAL TANK ELECTRIC WATER SYSTEMS

Include pumping unit, relief valve, pressure switch, pressure gauge, air control, galvanized steel pneumatic storage tank, and fittings between tank and pump.



No. O-250-T15
No. O-250-T42
No. O-250-T120

How to Select the Right Size Tank

The No. O-250 water system can be furnished with an 8, 15, 20, 42 or 120-gallon storage tank. Any of these combinations will take care of one bathroom home or equivalent. The larger the storage tank, the less often the pumping unit starts and stops, which results in lower operating cost. Larger tanks provide more reserve storage for large sudden withdrawals.

Specifications

Complete with 1/6 H.P. Capacitor 110-Volt, 60-Cycle A.C. motor. Cylinder bore 1 3/8 in. Stroke 1-9/16 in. Suction 3/4 in. Discharge 3/4 in.

COMPLETE WATER SYSTEM

Nos.	Each	Cap. Size Tank Gallons	Overall Size In.	Shipping Weight Lbs.
# O-250-T8	\$63.15	8	30x15x28	145
# O-250-T15	66.60	15	30x31x33	162
O-250-T20	67.70	20	34x16x33	178
# O-250-T42	74.90	42	30x35x51	216
# O-250-T120	98.00	120	30x35x65	324

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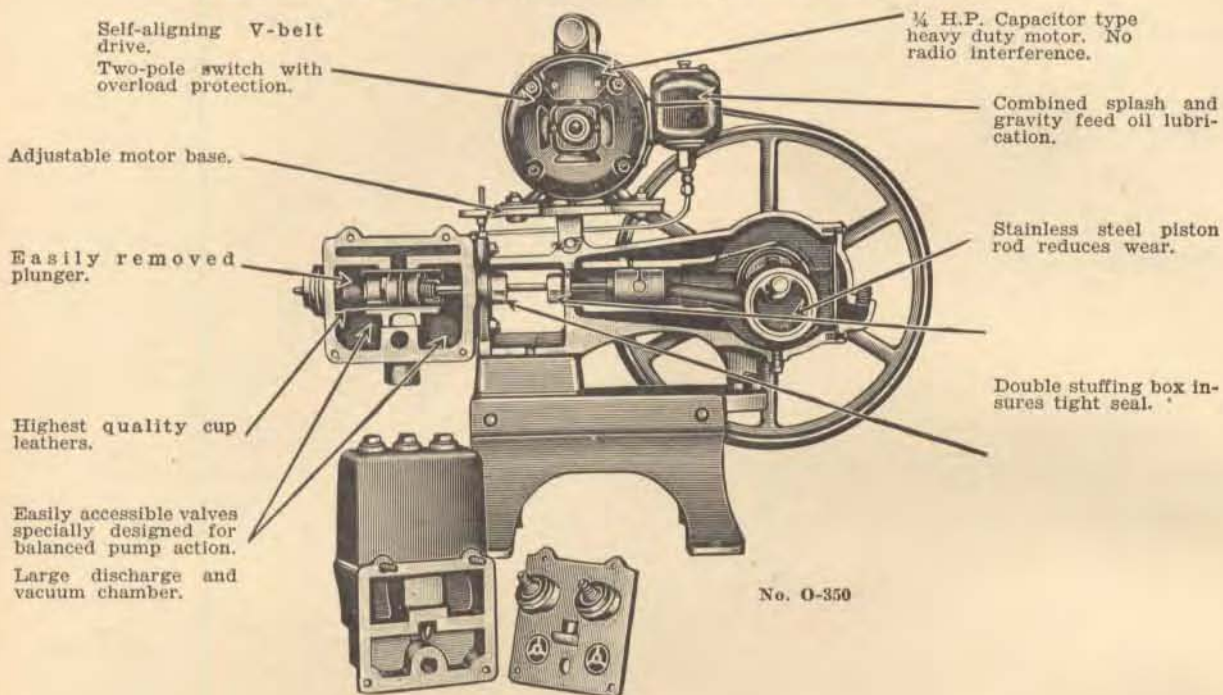
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RED JACKET "CHIEF" WATER SYSTEMS

WITH No. O-350 PUMPING UNIT—FOR MEDIUM SIZE HOMES

(Formerly No. 1153)

350 Gallons Per Hour—Oil Lubricated—22 Ft. Suction Lift



Self-aligning V-belt drive.
Two-pole switch with overload protection.

¼ H.P. Capacitor type heavy duty motor. No radio interference.

Adjustable motor base.

Combined splash and gravity feed oil lubrication.

Easily removed plunger.

Stainless steel piston rod reduces wear.

Highest quality cup leathers.

Double stuffing box insures tight seal.

Easily accessible valves specially designed for balanced pump action.

Large discharge and vacuum chamber.

No. O-350

No. O-350 PUMPING UNIT WITH ELECTRIC MOTOR

A De Luxe Red Jacket pumping unit built for heavy duty service with extra heavy castings, power frame, shafting and bearing bushings. Recommended for use in homes with two bathrooms, summer homes, filling stations and small schools. Maximum working pressure up to 50 lbs. Complete as illustrated.

No. O-350 ELECTRIC WATER SYSTEMS

Includes pumping unit, relief valve, pressure switch, pressure gauge, air control, galvanized steel pneumatic storage tank, and fittings between tank and pump.

How to Select the Right Size Tank

The No. O-350 water system can be furnished with 42, 122 or 220 gallon storage tank. Any of these combinations will take care of a two bathroom home or equivalent. The larger the storage tank, the less often the pumping unit starts and stops, which results in lower operating cost. Larger tanks provide more reserve storage for large sudden withdrawals.

Specifications

Complete with ¼ H.P. Capacitor 110-Volt, 60-Cycle A.C. motor. Cylinder bore 1-9/16 in. Stroke 1 ¼ in. Suction 1 in. Discharge ¾ in.

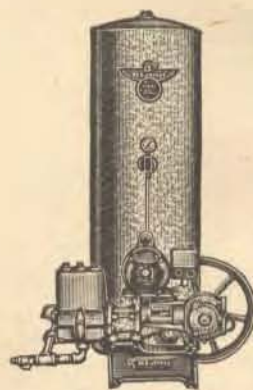
COMPLETE WATER SYSTEM

Nos.	Each	Cap. Tank Gallons	Overall Size In.	Shipping Weight Lbs.
# O-350-T42	\$ 77.85	42	30x35x51	217
# O-350-T120	100.95	120	30x35x65	325
# O-350-T220	132.60	220	30x35x77	508

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REPAIR KIT

Contains cup leathers, valve rubbers, valve springs, cotter keys, air snifter core and complete set of gaskets.

Red Jacket No. 40 Deep Well Water Systems

200-500 Gallons Per Hour

A dependable, economical, complete deep well pumping system where average amount of water consumption takes place. Combines Series 40 deep well pumping head with 42-gallon and larger galvanized storage tanks.

This system provides low cost water service for homes, small farms, barbecue stands, refreshment stands, filling stations and other places where there are not large, steady withdrawals. It is easy to install and requires far less space than other makes which provide similar capacity.

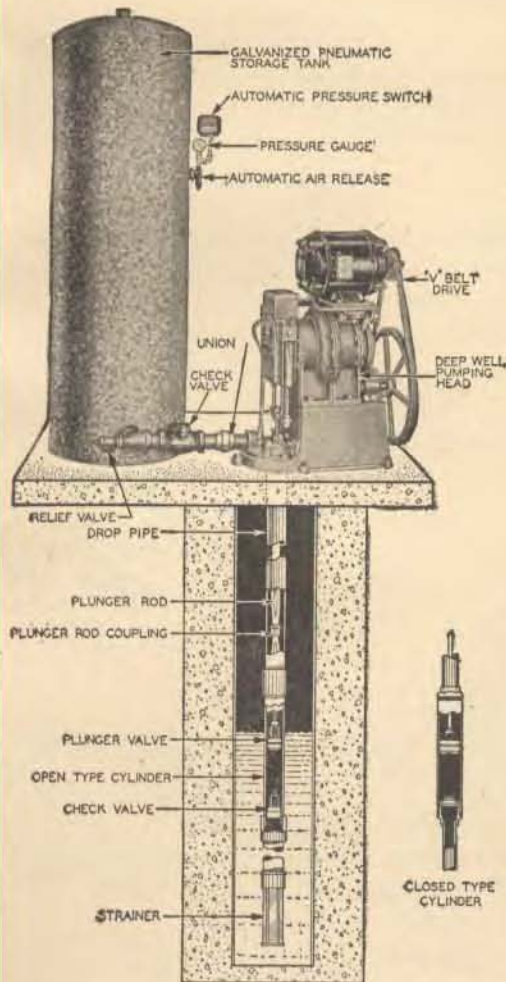
The No. 40 pumping head is smaller than other makes performing comparable service. Rolling Power eliminates need for crossheads, lever arms, walking beams, connecting rods and wrist pins. Will occupy much less space than other pumping heads of similar capacity. Enclosed casing protects working parts against dust.

Uses smaller motor than other pumps because of its greater efficiency. This means substantial saving in operating cost.

How to Select Equipment

In selecting any equipment there are several factors which must be known. Red Jacket simplifies this matter for you by the following suggestions;

1. Determine the required pumping capacity.
2. Obtain the pumping depth. The pumping depth is that point at which you can pump a certain flow of water from the well constantly without lowering the water level.



Ordering Information

Be sure to include the following information when ordering deep well pumping heads: 1. Kind of cylinder (open or closed). 2. Type of sucker rod. 3. Number of feet of drop pipe. 4. Operating pressure. 5. In case another motor is to be used be sure to list the horsepower, speed and shaft size. 6. Relief valve should be used on all pump heads. (1/2-inch valve protects up to 500 gallons per hour capacity, 3/4-inch valve up to 1,000 gallons per hour and 1-inch up to 1,500 gallons per hour.)

Selection Table for No. 40 Heads with Single Acting Cylinder and 1/2 H.P. Motor

Gal. Per Hour	Cylinder Size	Depths in Feet
165	1 1/16	205
180	1 3/8	187
190	1 3/16	167
205	1 7/8	150
230	2	123
295	2 1/4	74
365	2 1/2	44
440	2 3/4	20

Selection Table for No. 40 Heads with Double Acting Cylinder and 1/2 H.P. Motor

Gal. Per Hour	Cylinder Size	Depths in Feet
310	1 3/16	111
370	1 7/8	82
525	2 1/4	30

No. 40 Package Water System—Data and Price Table

Water system includes complete pumping head, motor, pneumatic storage tank, pressure switch, air release, pressure gauge, relief valve and check valve.

Complete with 1/2 H.P. 110-Volt, 60-Cycle A. C. motor; single drive; suction 3"; discharge 1 1/4"; plunger rod thrdg. 5/8x12".

System Nos.	Each	Cap. Tank Gallons	Overall Size In.	Shipping Weight Lbs.
40-1/2-T42	\$135.30	42	33x36x51	336
‡40-1/2-T82	148.50	82	35x40x65	404
‡40-1/2-T120	156.75	120	37x44x65	443
‡40-1/2-T220	188.40	220	40x50x75	626
‡40-1/2-T315	226.45	315	44x56x78	786

NOTE: Cylinder, plunger rod and drop pipe furnished as additional equipment depending upon type used and depth of well.

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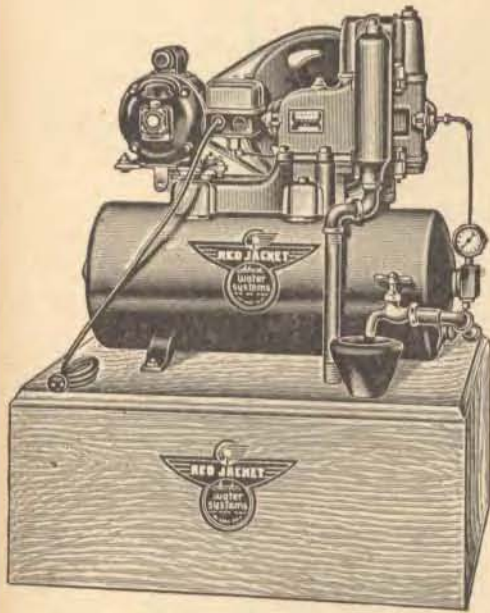
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RED JACKET

Automatic DEMONSTRATORS

Aid dealers to increase their sales of water systems and complete accessory supplies

Shipped in DUST-PROOF Package,
Assembled and Ready to Use



Demonstrator is sent you completely assembled including finished brass faucet and non-splash funnel. The pumping unit is the famous Red Jacket water lubricated unit with 250 gallons per hour capacity, mounted on horizontal tank. The complete unit operates over an attractive high-lustre, knotty pine box containing reservoir. All automatic controls and extension cord are included.

The Red Jacket demonstrator is completely automatic. You place it where the most people will see it, plug the cord in a light socket, and from then on, this attractive demonstrator attracts attention—starts sales.

People are fascinated by the running water, the automatic stopping and starting of the motor—the smooth quiet operation. They ask questions—and there you have a prospect made to order.

No. W-250-T8D—With 8-gallon tank. Weight, 163 lbs..... ^{Each} \$56.75

SALES MATERIALS AND ADVERTISING HELPS FURNISHED

With each demonstrator package the following dealer helps are furnished and shipped in the package:

1. Consumer price cards
2. Wall posters
3. Dealer identification sign
4. Consumer broadsides
5. Industry booklets, "RUNNING WATER"
6. Water system circulars 3x6"
7. Water softener and filter circulars 3x6"
8. Hand and windmill circulars 3x6"
9. Well accessory circulars 3x6"
10. Demonstrator instruction card

The Best Looking, Best Packaged Demonstrator on the Market!

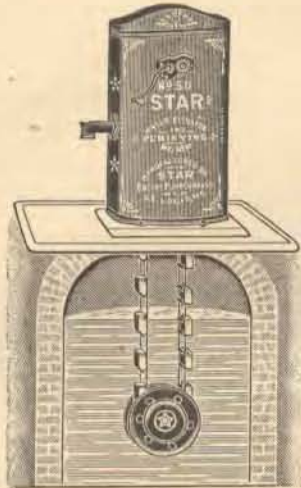
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PUMPS

With Purifying Water Elevators

- On all pumps with the purifying water elevator, the bucket descends full of air, and ascends full of water. For every gallon of water drawn, a gallon of air is circulated through the water from the bottom to the top. This vitalizes, ventilates and purifies the water and forces a sufficient amount of oxygen from the air into the water to consume all the impurities and organic matter in foul wells and cisterns.



STAR
Heavy galvanized iron curb; painted green, black decorations. Size base 22x9 inches; height 39 inches. Fitted with latest improved double gear elevator fixtures, black japanned. With plain wooden handles. Japanned cast-iron spout. Complete with 25-foot galvanized chain and 39 buckets. Size buckets 2x2¼x4½ inches. Wired top edge, adapted for wells 10 feet deep.

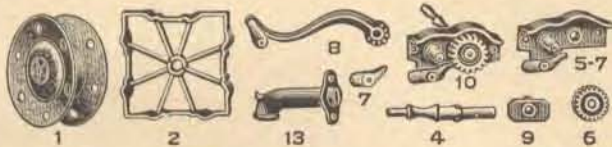


Showing Bucket

AB 50 — Weight each 88 lbs.
Each \$13.85

Packed one in a crate.

EXTRA PARTS FOR No. AB 50 PUMPS



Extra Chain and Buckets.....Per Foot \$0.23

AB 1 —Bottom Wheel. Heavy galvanized steel. Weight each 8 lbs.....	Each	1.95
AB 2 —Top Wheel. Cast iron, japanned. Weight each 3½ lbs.....	Each	.95
AB 4 —Axle. Cast iron, japanned. Weight each 1½ lbs.....	Each	.50
AB 5 —Gearing Journal Box and Ratchet. Cast iron japanned. Weight each 1¾ lbs.....	Each	.65
AB 6 —Cog Wheel. Cast iron, japanned. Weight each ½ lb.....	Each	.50
AB 7 —Ratchet or Dog. Cast iron, japanned. Weight each ½ lb.....	Each	.15
AB 8 —Handle. Cast iron, japanned, wood grip, plain. Weight each 1½ lbs.....	Each	.65
AB 9 —Small Journal Box. Cast iron. Weight each ¾ lb.....	Each	.30
AB 10 —Gearing. Cast iron. Weight each 4 lbs.....	Each	1.75
AB 13 —Spout. Cast iron. Weight each 2 lbs.....	Each	.45

Packing—bulk.

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CHAIN PUMPS

STAR



Galvanized steel, 24-gauge, painted gray, with japanned decorations, fitted with japanned cast-iron fixtures and crank with plain wood handle. Japanned cast-iron spout and bottom rim, removable ventilated top. Height over all 39 inches; length 16 inches; width 6½ inches.

AB 70—Weight each 44 lbs.Each \$6.95

WITHOUT TUBING OR CHAIN

Note—Rubber buckets of any kind will fit No. AB 70 pump.

REX

Bottom Hoop Holds Pump Firm—Assures Dry Platform



Galvanized steel, 26-gauge, with wired top and heavy iron hoop at bottom; painted gray, nicely lettered and decorated. Base 9x16½ inches; height of curb 40 inches; cast iron japanned fixtures.

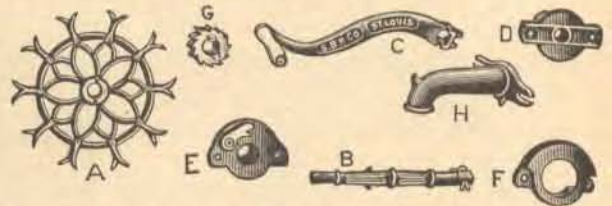
Bottom hoop is so placed that body of curb projects into opening in platform which makes pump very rigid when set up and insures a dry platform.

WITHOUT TUBING OR CHAIN COMPLETE WITH FIXTURES

AB 100—Weight each 35 lbs.....Each \$5.75

One in a crate.

REPAIRS FOR CHAIN PUMPS Nos. AB 70 AND AB 100



AB A —Top Wheel: Cast iron, japanned. Weight each 3 lbs.....	Each	\$1.15
AB B —Axle: Cast iron, japanned. Weight each 1 lb.....	Each	.55
AB C —Handle: Cast iron, japanned. Weight each 1¼ lbs.....	Each	.50
AB D —Back Journal Box: Cast iron, japanned. Weight each ¾ lb.....	Each	.25
AB E —Inside Front Journal Box: Cast iron, japanned. Weight each ¾ lb.....	Each	.30
AB F —Outside Front Journal Box: Cast iron, japanned. Weight each ¾ lb.....	Each	.25
AB G —Cog Wheel: Plain cast iron. Weight each ¼ lb.....	Each	.15
AB H —Spout: Cast iron, japanned. Weight each 1½ lbs.....	Each	.55
AB K —Set Fixtures, Less Spout: Weight per set 6½ lbs.....	Each	2.95

Packing—bulk.

CHAIN PUMPS



Galvanized steel, 24-gauge, painted gray and stenciled with black letters. Size of base, inside 6x14 inches; outside 8x16 inches. Height 36½ inches. Beaded body, cast iron fixtures, black japanned. Black enameled wood handle securely bolted, round cast iron spout.

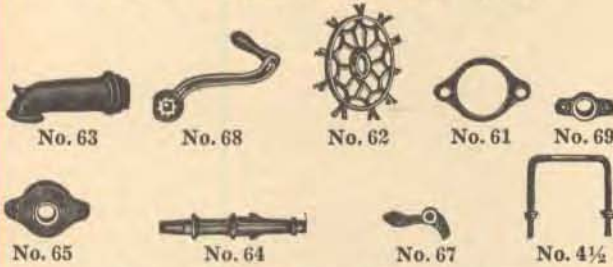
WITHOUT TUBING OR CHAIN

Complete With Fixtures

AB 200—Weight each 30 lbs. Each \$4.75

One in a crate.

EXTRA PARTS FOR No. AB 200 PUMPS



- No. 63 No. 68 No. 62 No. 61 No. 69
 No. 65 No. 64 No. 67 No. 4½
- AB 63—Spout: Cast iron, japanned. Weight each 1½ lbs. Each \$0.55
- AB 68—Handle: Cast iron, japanned; wood grip, painted black. Weight each 1¼ lbs. Each .70
- AB 62—Reel: Cast iron, japanned. Weight each 2 lbs. Each 1.10
- AB 61—Spout Ring: Cast iron, japanned. Weight each ½ lb. Each .25
- AB 69—Small Box: Cast iron, japanned. Weight each ¼ lb. .25
- AB 65—Large Box: Cast iron, japanned. Weight each ¾ lb. Each .40
- AB 64—Axle: Cast iron, japanned. Weight each 1 lb. Each .55
- AB 67—Dog: Cast iron, plain. Weight each 2 ounces Each .15
- AB 4½—Stirrup: Wrought iron, plain. Weight each ¼ lb. Each .15

Packing—bulk.

PUMP CHAIN



No. 6 gauge wire; without buttons.

Galvanized After Making

AB G100—100 lbs. in a bag; weight per bag 101 lbs. Per Foot \$0.04

Weight per 100 feet 27 lbs.

WELL CHAIN



Galvanized 8 gauge wire, with welded joints, twisted links.

AB 1W—Weight per 100 feet 25 lbs. Per Foot \$0.05

500 to 600 feet in a keg.

Goods marked thus () are not carried in stock and can only be furnished by shipment direct from factory.

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PUMP PLATFORMS



FOR I. X. L. CURBS

Cast iron, painted black, grooved surface. Outside measurements 33x35 inches; inside measurements 9½x17½ inches.

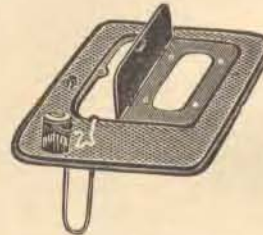
AB 0—Weight each 75 lbs. Each \$12.75

Cast Iron, Black Japanned, Corrugated Top.



*AB 50P—For No. 50 pumps, outside dimensions of platform 40x33 inches. Size of opening for pump 25x20 inches; weight each 78 lbs. Each \$13.25

*AB 70P—For No. AB 70 pumps, outside dimensions of platform 35x33 inches. Size of opening for pump 20x20 inches; weight each 65 lbs. Each \$12.95



Cast iron, black japanned, corrugated top, has hinged iron door, fitted with iron lifting handle, through which articles can be lowered into the well for cooling purposes.

*AB 50PD—With door. For No. 50 pumps, outside dimensions of platform 40x33 inches. Size of opening for pump 25x20 inches. Size of door 9x20 inches; weight each 78 lbs. Each \$13.25

*AB 70PD—With door. For No. AB 70 pumps, outside dimensions of platform 35x33 inches. Size of opening for pump 20x20 inches. Size of door 9x20 inches; weight each 75 lbs. Each 12.95

Packing—bulk.

WELL WHEELS

Strong—Smooth—Working.

STANDARD

Cast Iron, Japanned.



Nos.	Each	Size of Rope, Doz.,		Wt., Lbs.
		In.	In.	
AB 8	\$0.85	8	½	39
AB 10	.95	10	½	52
AB 12	1.15	12	¾	66

Packing—bulk.

WELL WHEEL PULLEYS

Sturdy — Easy-Action

Best gray iron, black japanned. Wheel 5 inches in diameter.

Suitable as Well Wheel Pulley, but not recommended for Hay Tool Equipment.

AB 5—Weight per dozen 37 lbs. Each \$0.49



Packing—bulk in barrels.

GALVANIZED PUMP TUBING

Note—Price of tubing does not include couplings. Couplings will be charged for extra. See Pump Tube Couplings.

Galvanized iron, 24 gauge, double seamed. All trimmings galvanized. Diameter of hole 1 1/4 inches.



GALVANIZED RESERVOIR TUBING

Size of Reservoir 7 1/4 x 3 1/2 inches.

Nos.	Per Foot (Less Couplings)	Length, Feet	Weight Each Lbs.
AB GR5	\$0.10	5	4
AB GR6	.10	6	4 1/2
AB GR7	.10	7	5
AB GR8	.10	8	5 1/2
AB GR9	.10	9	6
AB GR10	.10	10	7



GALVANIZED PLAIN TUBING

Used in cisterns or wells, where the depth is greater than 19 feet.

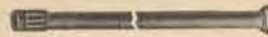
Nos.	Per Foot (Less Couplings)	Length, Feet	Weight Each Lbs.
AB GP8	\$0.10	8	5
AB GP10	.10	10	7



RESERVOIR TUBING, WITH FUNNEL END

For cisterns 8 and 9 feet deep; requiring no couplings; size of reservoir 7 1/4 x 3 1/2 inches.

Nos.	Per Foot	Length, Feet	Weight Each, Lbs.
AB GRF9	\$0.10	9	6
AB GRF10	.10	10	7



FUNNEL END TUBING

Nos.	Per Foot (Less Couplings)	Length, Feet	Weight Each Lbs.
AB GFE6	\$0.10	6	4
AB GFE8	.10	8	5
AB GFE10	.10	10	6

PUMP TUBE COUPLINGS



For Galvanized Pump Tubing.
AB GPC—Weight per set
1 1/2 lbs. Per Set \$0.60

Packing—bulk.

WATER CONDUCTORS



Japanned cast iron cup, with revolving cap. Fitted with 10 gauge steel wire bail, to hang on pump spout. Cup can be reversed so that water can be conducted to troughs in any direction.

Tapped for iron pipe; diameter 4 inches; depth 4 inches. Outlet for 1 1/4 inch iron pipe.

AB 21 1/4—Weight each 4 lbs.
Each \$0.69

Packing—bulk.

RESERVOIR BOXES

For Use With Galvanized Pump Tubing.



Galvanized iron, 24 gauge, double seamed. Malleable iron neck thoroughly braced against bottom and cannot break from swaying of tubing in cistern. Female threads in neck to take male coupling on plain tubing. Box 7 1/4 x 3 1/2 inches; length over all 10 inches.

AB RB—Weight per dozen 21 lbs. Each \$0.75

Packing—bulk.

RUBBER PUMP BUCKETS

STANDARD EXPANSION

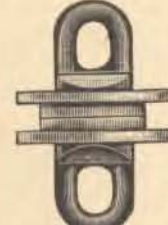
AB 2 — Two-piece, galvanized iron link; diameter rubber 1 1/4 inches; height of link 2 inches. Weight per dozen 1 1/4 lbs. Each \$0.09



I. X. L.

REVERSIBLE

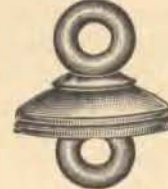
AB IXL—Double rubber; diameter 1 1/4 inches, galvanized iron nut; height 2 1/4 inches. Weight per dozen 1 1/4 lbs. Each \$0.07



COOPER'S

DOUBLE RUBBERS

AB 2CP—Diameter 1 1/4 inches; galvanized iron nut; height 2 inches. Weight per dozen 1 1/4 lbs. Each \$0.07



Packing—bulk.

HOUSE FORCE PUMPS

RED JACKET

WITH PLAIN SPOUT

• Can also be used to force water to elevated tanks.

Cast iron, painted red. Brass cylinder 3 inches in diameter. Brass valve seat. Suction pipe 1 1/4 inches.

Base 8x6 3/4 inches; height over all 22 inches; handle 17 1/2 inches long, stroke 4 inches.

AB CFP—Weight each 25 lbs. Each \$6.25



Shipped knocked down.

PITCHER SPOUT KITCHEN PUMPS

RED JACKET

Recommended Lift 22 to 23 Feet

Closed concave movable top and handle, can be adjusted to any point suitable to the position of the pump. 3/8-inch plunger rod, 4-inch stroke.

Cast iron, painted red, gold bronzed striped. Spout 5 1/4 x 3 3/4 inches; length of handle 17 1/2 inches; height 19 1/2 inches. With cast iron couplings. All parts securely bolted. Set up complete.

Nos.	Each	Size Base, Ins.	Diam. Cap, Ins.	Diam. Cyl., Ins.	Diam. Pipe, Ins.	Weight Each, Lbs.
AR 2K	\$1.79	8 1/2 x 7 1/4	6 1/2	3	1 1/4	22
AB 3K	2.59	8 3/4 x 7 1/2	7	3 1/2	1 1/4	25

Packing—bulk.



PLUNGERS AND PLUNGER RODS

FOR KITCHEN PUMPS

Malleable Iron Plunger Head, Wrought Iron Rod.

Nos.	Each	For No. Pump	Diam. Plunger Leather, Ins.	Weight Each, Lbs.
AB PR2	\$0.75	AB 2K	3	1 1/4
AB PR3	.85	AB 3K	3 1/2	1 1/4

Packing—bulk.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

WELL PUMPS

For shallow wells and cisterns. Anti-freezing. Adjustable base—for use on drive wells because base may be raised or lowered after cylinder is attached to drive pipe. Cast-iron base, handle and spout, painted red. Cast-iron cylinder 3x10 inches for 1½-inch pipe, with high-grade valve and plunger leathers. For wells up to 25 feet deep. Four feet standard set length.

RED JACKET

LIFT PUMPS—SHALLOW WELL—SET-LENGTH

Flanged open cap bolted to flanged top. Cap, handle and pitman connected by cold-rolled steel pins. Revolving flanged cap permits placing handle in any desired position.



AB H206

Body stock flanged at top and fitted with syphon spout. Tapped below spout for 1½-inch pipe. Strong split-grip oval base. Height above platform 43 inches.

AB H206—Weight each
55 lbs.Each \$7.95



All set length pumps are fitted with 1½-in. galvanized drop pipe drilled for automatic drain to prevent freezing.

Note—When water in the well is more than 25 feet below level of platform, these pumps may be used by lowering the cylinder further down into the well by means of additional 1½-inch pipe and additional plunger rods. Do not use more than 20 feet of pipe below the cylinder of set length pumps except in wells where the permanent water level will not be 25 feet below platform on base of pumps.

Strong, well-proportioned. Flat iron brace. Solid stock tapped below spout for 1½-inch pipe. Height above platform 43 inches.

AB H198 — Weight each 63 lbs.
Each \$9.75



FORCE PUMP—SET-LENGTH

For use on shallow wells and cisterns for forcing water through hose or pipe. Has back outlet tapped for 1½-inch pipe so that water can be discharged from this back outlet to any desired point. Flat iron brace. Has air chamber fitted with inner tube extending from stuffing box to prevent escape of air. Flanged cap bolted to standard. Plain spout with hose clevis. Extra link between handle and solid steel piston rod provides necessary play so piston rod will not bind. Handle can be placed in any desired position. Height above platform 48 inches.

AB H441—Weight each
85 lbs.Each \$12.75

Packing—bulk.

WINDMILL PUMPS

RED JACKET

For Any Depth Well

A Favorite on Hundreds of Farms

- Compare with other windmill pumps offered anywhere at any price.
- Strong, heavy pumping apparatus insures long life of full strength.

These pumps have flanged fulcrum heads securely held in place by four bolts. Fulcrum head is adjustable to any desired position. Large spout 23 inches above platform, allows ample space for milk can without tipping.

High-grade heavy cast gray iron, two tapped outlets—front 2 inches back 1½ inches. Complete with bushing 2x1½x1¼ inches to permit using 1¼, 1½ or 2-inch pipe.



HEAVY WEIGHT FORGE STAND

For power pumping with any size cylinder.

Pump adjustable for 6, 8, and 10-inch stroke.

Has 1½-inch piston rod welded to flat windmill bar and fitted with 1/10-inch pump rod coupling.

Furnished with compression spout No. 138 and hose connection. Height over all 63¾ inches.

AB 793—Weight each
80 lbs.Each \$13.45



HEAVY WEIGHT LIFT STAND

For hand, windmill or power pumping with any size cylinder.

Pump adjustable for 6, 8, and 10-inch stroke.

Flat pump bar with 1/10-inch pump rod coupling. Height over all 62½ inches.

AB 794—Weight each
73 lbs.Each \$10.95

FORCE PUMPS

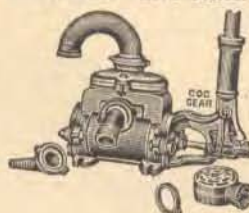
LOW DOWN DOUBLE ACTING

Capacity 2,000 Gallons an Hour

For filling thresher tanks, washing out boilers, pumping water from shallow wells, cellars and barnyards, irrigation purposes, etc.

- All valves located on top of pump. Each valve can be reached independently by removing individual cap located over it. This is a decided advantage and is not found in any other make of tank pump.

Heavy iron body, painted green, gold striped. Horizontal cylinder 5 inches in diameter, with 5-inch stroke, strictly double acting. Two leather cup type plungers, with 1/16 inch drawn polished steel piston rod with heavy brass stuffing nut. Poppet pattern metal valves, rubber faced, with brass valve seats.



Suction fitted for 2 inch hose and discharge ports fitted for 1 inch hose and threaded on inside.

Complete with handle, hose nipple, hose attachment, hose band and strainer.

AB R479—Weight each
90 lbs.Each \$16.95

Packing—bulk.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

WELL PUMP CYLINDERS

RED JACKET "NEVER FAIL"



• The extra large waterway permits free flow of water and reduces friction. The poppet has four legs to guide it in the follower and will not tip or stick in cage. Beveled seat of check valve prevents sediment from lodging on seat. Cast-iron body with heavy seamless brass tube lining, two-leather all-brass plunger with 5-arm cage and rubber-faced poppet with beveled seating surface. All-brass check valve with beveled seat.
Size 3x12 inches. Tapped for 1 1/4-inch pipe. Plunger rod 1/8-inch galvanized steel.

AB 24—Weight each 15 lbs. Each \$7.45



Cast-iron body, brass valve seat, leather check valve with iron weight. Fitted with 1/8-inch rod. Stroke 6 inches. Capacity 440 gallons per hour (at 40 strokes per minute).

Diameter 3 Inches; Length 10 Inches

AB 49B—Brass lined; painted red. Each \$4.69

AB 49C—All iron Each 2.29

Weight each 13 lbs.

OPEN TYPE



For use with deep well water systems No. AY 40 1/2 T42.

Particularly adapted for unusually rugged service requirements with deep well pumping heads. Operates efficiently against heavy working pressures or extremely high operating heads.

Cylinder body is galvanized steel pipe, lined with seamless brass tubing. Top and bottom threaded for standard pipe size. Has two-leather, all brass plunger. Spring controlled spool poppet valve with red rubber facing and non-corrosive metal springs. Plunger and check fitted with polished cup leathers specially treated for long service in water.

Inside diameter cylinder 2 1/4 inches. Stroke 10 inches. Drop pipe 2 1/2 inches. Length barrel 24 inches. Capacity per stroke 172 gallons. Plunger tapped for 3/8-inch rod. Pipe tapped for 3/8-inch. Will enter 3 1/2-inch well.

AB 4562 1/2 x 10—Weight each 14 3/4 lbs. Each \$13.95

Packing—bulk.

PUMP CYLINDER CAPS

IRON, THREADED

For Nos. AY 49B and AY 49C Pump Cylinders

AB LC49—Lower Each \$0.85

AB UC49—Upper Each .59

Packing—bulk. Weight each 1/2 lb.

Our line of

Electrical Accessories

is complete—

and is priced right

DRIVE WELL POINTS

BRASS JACKET

- Each point is accurately forged integral with pipe section and permits inside and heavy, severe end driving.
- The rectangular holes in pipe section allow more water to flow than elliptic holes and the driving strength is not impaired.



For 1 1/4-Inch Iron Pipe.

Gauze No. 60

Solid forged high carbon steel point. Wrought steel pipe section with punched rectangular holes. Point and pipe section hot galvanized outside and inside after making. Perforated sheet brass and brass wire cloth jacket securely soldered to pipe at long seam and around pipe at top and bottom. Length from tip of point to outside steel jacket 6 inches.

Nos.	AY 90	AY 94	AB 98	AB 100	AB 102
Length Over All (Including Steel Point), Inches	30	36	42	48	54
Length (Inside Brass Jacket and Gauze), Ins.	18	24	30	36	42
Openings Aggregate, Sq. In.	20	26 1/2	33	36	48
Weight Per Doz., Lbs.	87	103	120	136	153
Each	\$1.95	2.45	3.25	3.85	4.65

Packing—bulk.

Length of point is measured on pipe only—does not include cast point.

WROUGHT STEEL WELL PIPE



Used largely in connection with drive well points. Galvanized; threaded on both ends, with one coupling. Inside diameter 1 1/4 inches. Iron .140-inch thick. 11 1/2 threads per inch.

AB DW—3 feet to 5 feet, 8 inches; random lengths Per Foot \$0.20

STRAIGHT LENGTHS

Nos.	Per Foot	Length, Feet
AB DW1 1/4 3	\$0.21	3
AB DW1 1/4 4	.20	4
AB DW1 1/4 5	.20	5
AB DW1 1/4 6	.20	6

Packing—bulk. Weight per foot 2 1/4 lbs.

MALLEABLE DRIVE CAPS



For Driving Drive Well Points.

Heavy malleable iron threaded for 1 1/4-inch iron pipe.

AB 6181 1/4—Weight per dozen 18 lbs. Each \$0.45

Packing—bulk.

PIPE STRAINERS

RED JACKET



- Keeps pump primed.
- Keeps sand and gravel out of suction pipe. Malleable iron galvanized. Slips over suction pipe and is held in place with set screw. For 1 1/4-inch pipe only.

With Gauze Covering

AB 128G—Weight each 1 1/2 lbs. Each \$0.79

Packing—bulk.

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PUMP RODS

Galvanized Steel, Threaded at Each End

Nos.	Per Foot	Diameter, In.	Random Lgths., Feet	Weight, Each, Lbs.
AB 18 $\frac{3}{8}$	\$0.06	$\frac{3}{8}$	17 to 22	6 to 7 $\frac{1}{2}$
AB 18 $\frac{7}{16}$	.07	$\frac{7}{16}$	18 to 20	9 $\frac{1}{2}$ to 10 $\frac{1}{2}$

PUMP ROD COUPLINGS



Hexagon steel, cadmium finish, $\frac{1}{2}$ inch oversize.

Nos.	Each	Size, Inches	Weight Per Package, Lbs.
AB 38	\$0.09	$\frac{3}{8}$	2 $\frac{1}{2}$
AB 716	.09	$\frac{7}{16}$	2 $\frac{1}{2}$
AB 71638	.09	$\frac{7}{16} \times \frac{3}{8}$	2 $\frac{1}{2}$

WOOD ROD COUPLINGS



Three hole for medium depth wells; length over all 13 inches.

• These couplings are made of heavy malleable iron, in two parts, and fasten together with slip ring. No threads to rust or strip and will not unscrew when removing plunger and check valve.

AB 25—Weight each 1 $\frac{3}{8}$ lbs.....Each \$0.75

SPECIAL ADAPTER COUPLINGS

FOR USE WITH No. AB 25 WOOD ROD COUPLINGS
Malleable Iron, Galvanized.



One end fits on coupling attached to wood rod.
For use on plunger stem of cylinders Nos. 17, 18, 18 $\frac{1}{2}$, 22 and 160.

Tapped for $\frac{3}{8}$ -inch iron pipe; female thread, screws on plunger stem of cylinder.

AB 81.....Each \$0.30



For use on pumps Nos. 30, 36, 37, 68 and 117. Tapped for $\frac{3}{8}$ or $\frac{1}{2}$ inch iron pipe; female thread; screws on plunger rod of pump.

AB 82.....Each \$0.45

Weight each $\frac{1}{4}$ lb.

Packing—bulk.

PUMP EYES

RED JACKET



For coupling pump rod to handle. Cast gray iron, with set screw. Opening for pump rod $\frac{1}{4}$ -inch diameter.

AB 480R—Weight per dozen
3 $\frac{3}{4}$ lbs.Each \$0.23

Packing—bulk.

PUMP CYLINDER PLUNGERS

RED JACKET

For Red Jacket and other standard pump cylinders. All iron, smoothly and accurately finished. Five-arm cage, high-grade cup leathers.



SINGLE LEATHER

For 3x10 cylinders. Tapped for $\frac{1}{8}$ -inch pump rod.

AB 7003—Weight each
1 $\frac{3}{8}$ lbs.Each \$0.79



TWO LEATHER

For 3x12-inch, 3x14-inch, and 3x16-inch cylinders. Tapped for $\frac{1}{8}$ -inch pump rod.

AB 7013—Weight each 1 $\frac{7}{8}$ lbs...Each \$1.10

Packing—bulk.

VALVE WEIGHTS

FOR PITCHER SPOUT PUMPS AND
3x10 PUMP CYLINDERS



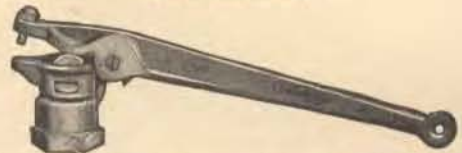
Cast-iron weight, complete with round head iron screws.
Diameter 1 $\frac{1}{2}$ inches.

AB 1—Weight each 3 ounces.....Each \$0.13

Packing—bulk.

FLOAT VALVES

RED JACKET



• Automatically controls the flow of water into supply tanks, wells, stock tanks, etc., and prevents windmills creeping in gear.

All brass, with beveled seat and rubber ball check. The ball revolves assuring even wear and a positive seat. Tapped for 1-inch pipe.

AB 1321—Weight each 2 $\frac{1}{4}$ lbs.....Each \$1.50

Packing—bulk.

TANK FLOATS

RED JACKET



For use in connection with float valve No. AB 1321.

Heavy galvanized iron, double seamed; diameter 10 inches, height 3 $\frac{3}{8}$ inches.

AB 13410—Weight each 1 $\frac{3}{4}$ lbs.....Each \$1.10

Packing—bulk.

THE
KEEN KOOKER
CAST IRON RANGE
Does a Good Cook
Justice

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

PUMP LEATHERS

FOR PITCHER SPOUT, HYDRAULIC AND ARTESIAN WELL PUMPS



Extra quality selected oak tanned leather—specially treated.

BLACK CUP

Black Color

Nos.	Each	Outside Diam., In.	Diam., of Hole, In.
AB 000BC	\$0.10	1	$\frac{5}{16}$
AB 00BC	.12	1 $\frac{1}{4}$	$\frac{3}{8}$
AB 0BC	.13	1 $\frac{1}{2}$	$\frac{3}{8}$
AB 1BC	.14	1 $\frac{3}{4}$	1 $\frac{1}{8}$
AB 2BC	.15	1 $\frac{7}{8}$	1 $\frac{1}{8}$
AB 3BC	.19	2	1 $\frac{1}{4}$
AB 4BC	.21	2 $\frac{1}{4}$	1 $\frac{3}{8}$
AB 5BC	.23	2 $\frac{1}{2}$	1 $\frac{5}{8}$
AB 6BC	.25	2 $\frac{3}{4}$	1 $\frac{3}{4}$
AB 7BC	.29	3	2
AB 8BC	.39	3 $\frac{1}{2}$	2 $\frac{1}{4}$
AB 9BC	.59	4	2 $\frac{3}{4}$
*AB 11BC—For Tank Pumps	.95	5	$\frac{3}{4}$

*For open center 3-inch; hole to be cut larger as desired.
Good Quality Oak Tanned Leather—Tan Color

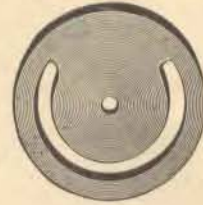
CUP



Nos.	Each	Outside Diam., In.	Diam., of Hole, In.
AB 1C	\$0.10	1 $\frac{3}{4}$	1 $\frac{1}{8}$
AB 2C	.11	1 $\frac{7}{8}$	1 $\frac{1}{8}$
AB 3C	.12	2	1 $\frac{1}{4}$
AB 4C	.13	2 $\frac{1}{4}$	1 $\frac{5}{8}$
AB 5C	.14	2 $\frac{1}{2}$	1 $\frac{5}{8}$
AB 6C	.16	2 $\frac{3}{4}$	1 $\frac{3}{4}$
AB 7C	.18	3	2
AB 8C	.23	3 $\frac{1}{2}$	2 $\frac{1}{4}$
AB 8 $\frac{1}{2}$ C	.33	3 $\frac{3}{4}$	2 $\frac{1}{2}$
AB 9C	.40	4	2 $\frac{3}{4}$
*AB 10C	.49	4 $\frac{1}{2}$	$\frac{3}{4}$
*AB 11C—For Tank Pumps	.59	5	$\frac{3}{4}$

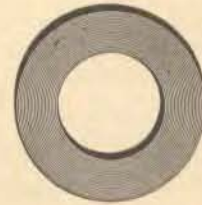
*For open center 3-inch; hole to be cut larger as desired.
One dozen in a carton. Weight per dozen $\frac{1}{2}$ lb.

LOWER VALVE



Nos.	Each	Outside Diam., In.	For Cylinder Diam., In.
AB 0LV	\$0.08	2 $\frac{1}{2}$	2
AB 1LV	.09	3	2 $\frac{1}{2}$
AB 1 $\frac{1}{2}$ LV	.10	3 $\frac{1}{4}$	2 $\frac{3}{4}$
AB 2LV	.11	3 $\frac{1}{2}$	3
AB 2 $\frac{1}{2}$ LV	.13	3 $\frac{3}{4}$	3 $\frac{1}{4}$
AB 3LV	.14	4	3 $\frac{1}{2}$
AB 4LV	.20	4 $\frac{1}{2}$	4

PLUNGER



Nos.	Each	Outside Diam., In.	For Cylinder Diam., In.
AB 2P	\$0.17	3 $\frac{1}{2}$	3
AB 3P	.19	4	3 $\frac{1}{2}$
AB 4P	.27	4 $\frac{1}{2}$	4

One dozen in a carton. Weight per dozen $\frac{1}{2}$ lb.

FOLLOWING TABLE SHOWS SIZES OF LEATHERS USED IN PITCHER SPOUT PUMPS

For Pump	Cup	Lower Valve	Plunger
AB 2K	AB 7C	AB 2LV	AB 2P
AB 3K	AB 8C	AB 3LV	AB 3P
AB 4K	AB 9C	AB 4LV	AB 4P

PUMP LEATHERS

FOR PITCHER SPOUT KITCHEN PUMPS



They are not recommended for heavy service and should not be confused with our regular line of top grade leathers.

Special Grade Oak Tanned Leather

Nos.	Each	Outside Diam., Inches	Diam. of Hole, Inches	Wt. Per Dozen, Lbs.
AB 5SGC	\$0.14	2 $\frac{1}{2}$	1 $\frac{5}{8}$	$\frac{1}{2}$
AB 7SGC	.16	3	2	$\frac{5}{8}$
AB 8SGC	.19	3 $\frac{1}{2}$	2 $\frac{1}{4}$	$\frac{7}{8}$

LOWER VALVE



Special Grade Oak Tanned Leather

Nos.	Each	Outside Diam., Inches	For Cyl. Diam., Inches	Wt. Per Dozen, Lbs.
AB 1SGV	\$0.06	3	2 $\frac{1}{2}$	$\frac{3}{8}$
AB 2SGV	.10	3 $\frac{1}{2}$	3	$\frac{5}{8}$
AB 3SGV	.14	4	3 $\frac{1}{2}$	$\frac{3}{4}$

ESPECIALLY ADAPTED FOR EUREKA CYLINDERS

Extra quality selected oak tanned leather, waterseal finish, tan color. Outside diameter 1 $\frac{1}{4}$ inches; hole 1 $\frac{1}{4}$ inches, wall $\frac{3}{4}$ inch.

TB 1 $\frac{1}{2}$ WSC—Weight per dozen $\frac{1}{4}$ lb. Each \$0.15



One dozen in a carton.

KEEN KUTTER
CUTLERY AND TOOLS

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

ROCKER FURNACES

COOK'S—PORTABLE
Complete With Grate and Chimney
Without Pan



Made of cast iron and best quality sheet iron, heavily bound and riveted, strongly made. Mounted on rockers of heavy angle iron—thus furnishing a complete portable furnace of iron, yet light enough so it can be easily handled by two men.

Nos.	Each	Ex-treme Width, Inches	Ex-treme Lgth., Inches	Length Furnace, Inches	Wt. Each, Lbs.
AY 2	\$35.75	30	88	71	200
AY 3	38.00	30	109	89	220
AY 4	47.75	30	129	108	240
AY 5	55.50	30	147	126	255

Packing—bulk.

EVAPORATOR PANS

FOR STATIONARY BRICK OR ROCKER FURNACES



COOK'S

Made of the best metal, of a thickness proportionate to the length of the pan. Heavily bound, riveted and soldered. Will not buckle, bag or warp. Two skimmers with each pan.

Pans will fit any rocker furnace the same number as the pans—for instance, a No. AY 2 pan will fit a No. AY 2 rocker furnace.

Width 44 inches, depth 3 inches.

GALVANIZED SHEET IRON

Nos.	Each	Length, in	Divisions or Ledges Each	Esti-mated Cap. 12 Hrs., Gallons Syrup	Wt., Each, Lbs.
AY 2	\$11.75	72	11	20 to 30	65
AY 3	14.50	90	15	40 to 52	80
AY 4	17.25	108	17	50 to 80	95
AY 5	20.50	126	20	75 to 120	110
AY 6	23.00	144	23	100 to 140	125
AY 7	28.75	180	30	125 to 175	150

PURE COPPER

AY 2C	\$33.75	72	11	30 to 40	65
AY 3C	42.00	90	15	40 to 52	80
AY 4C	49.75	108	17	50 to 80	95
AY 5C	58.75	126	20	75 to 120	110
AY 6C	66.75	144	23	100 to 140	125

Packing—bulk.

SORGHUM SKIMMERS



IC tin, seamed and soldered. Perforated tin bottom (12 perforations to the inch.) Folded IC tin edge, soldered on.

Length 6 $\frac{1}{2}$ inches, width 5 inches, height 1 $\frac{1}{2}$ inches.

AB 57—Weight per dozen 2 $\frac{1}{4}$ lbs. Each \$0.27

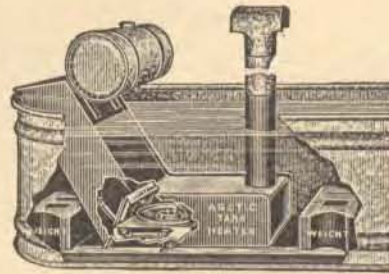
Packing—bulk.

Goods marked thus () are not carried in stock and can only be furnished by shipment direct from factory.

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TANK HEATERS

HUDSON



ARCTIC

Oil Burning

Easily Installed,
Practical, Safe
and Convenient.

Blue annealed 14-gauge copper bearing body, welded into a single unit by a special process.

Patented bowl and baffle of heavy gray iron.

Burner is designed that the oil is forced out around the entire bowl regardless of position. Oil and air fed into the burner is preheated, producing a roaring white-hot flame that fills the entire heat chest. Adjustable fuel feed valve. Five-gallon oil reservoir attached to heater, preheating the fuel. Consumes 3 to 5 gallons of oil in 24 hours. Controlled draft.

The burner can be easily removed from the heater and coal grates inserted without the use of tools.

Complete with 3 joints of 5-inch galvanized stove pipe, pipe cap, lighting torch and hold-down lugs.

Size 42 inches long, 12 inches wide and 25 inches high.

*AY 11—Oil burning. Weight each 85 lbs. Each \$24.75

*AY 12—Combination; oil, wood, coal and other fuel, with grate. Weight each 95 lbs. Each 26.75

One in a crate.

KLONDIKE



Will burn any kind of fuel from corn cobs to hard coal. For coal, a basket grate is required. For wood or other fuel a grate is not necessary but desirable.

Blue annealed 14-gauge copper-bearing steel body, acetylene welded by a special process. One-piece construction.

Complete with ash shovel, spark arrester, two lengths galvanized stove pipe and hold-down lugs welded on side of heater.

Size 42 inches long, 12 inches wide, 25 inches high.

WELDED SUBMERGED TYPE

*AY 1—Without grate. Each \$10.75

*AY 2—With grate. Each 11.95

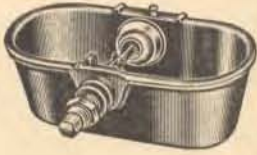
One in a crate. Weight each 75 lbs.

Save Fuel, Have Plenty of Heat
with a

SIMMONS
AIRTIGHT
WOOD HEATER

HOG WATERERS

NEW DAISY AUTOMATIC NON-PRESSURE VALVE PATTERN



Easily secured to any barrel or tank.

- The original barrel and tank waterer used and known by farmers throughout the country.

- Constructed to take the natural flow of water from a barrel or tank with not over three feet of head water.
- Patented mud cups are furnished with each waterer as regular equipment. The mud cups prevent the hog from rooting in the water and keep any foreign matter from getting under and blocking the float. Cups are easily removed by hand for keeping water clean and sanitary.
- Heavy cast iron bowl 13 inches long, 6 inches wide, 4½ inches deep, finished in rust-resisting metallic satin finish aluminum. Two piece brass lever valve with special rubber valve gate to assure perfect operation. Copper ball float 2½ inches in diameter. Cast iron cover, orange enamel finish, protects valve and float (easily removed but cannot be loosened by a hog). Removable brass strainer attached to pipe and inside of tank to eliminate clogging of valve by straws, dirt, etc.

Level capacity of bowl 4½ quarts.

AB DHW—Weight per dozen 180 lbs.....Each \$2.89

One in a carton.

PIG PANS

OR INDIVIDUAL HOG TROUGHS



- One piece prime open hearth galvanized sheet steel. Strong and rigid, easy to clean. Diameter at top 17 inches, at bottom 14 inches. Depth 3½ inches.

Nos.	Each	Weight per	
		Gauge, Steel	Dozen, Lbs.
AB 1724	\$0.33	24	34
AB 1726	.29	26	33

One-half dozen nested in a bundle.

HOG TROUGHS



An improved, sanitary, strong and durable trough. Extra heavy galvanized steel body; one piece body, with ends braced and spot welded. Will not leak. Length 29¼ inches, width 14¼ inches, height 5 inches.

Length 29¼ inches, width 14¼

Liquid Capacity 3½ Gallons.

AY 24—Weight per dozen 60 lbs.....Each \$0.69



- The most satisfactory feeding trough on the market, leak-proof, rust-proof, and wear-proof. Rolled edges prevent any possibility of injury to stock. Smooth inside—easy to clean. Cannot be injured by freezing.

One piece full weight 24 gauge prime galvanized sheet steel, double-thick galvanized after forming. Length 28½ inches, width 11¾ inches, height 3¼ inches.

Capacity 2 Gallons.

AY M50—Weight per dozen 54 lbs.....Each \$0.49

Nested one-half dozen in a bundle.



Galvanized iron; seamless end pieces have double thickness fold of metal overlapping top of trough, the triangular pieces being part of same end adjoin

top rim from below, making an unusually rigid construction. All edges are folded under giving double strength. Tubular cross braces bolted 1 foot apart, embossed ribs.

Nos. AY 345 and AY 346 only equipped with extra foot support in center. Height 6 inches, width 12 inches.

Nos.	Each	Lgth., Feet	Cap., Gallons	Gauge, Metal	Wt.
					Lbs.
AY 340	\$0.79	2	3½	24	5½
AY 343	1.39	4	7½	24	10
AY 345	1.98	6	11½	20	17½
AY 346	2.95	8	15½	20	23

Two in a bundle.

HOG RINGS



WOLVERINE
Stamped from sheet steel, coppered.
In boxes of 100 rings.

Pig



Hog

AB P—Small Size, for Pigs.....Per Box \$0.29

One dozen boxes in a package.

AB H—Large Size, for Hogs.....Per Box \$0.29

One-half dozen boxes in a package.
Weight per dozen boxes 5 lbs.

Goods marked thus () are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

HUMANE



- Stops rooting and discourages creeping under fences. One ring does the work for the life of the hog. Can also be inserted in loose skin of cow's neck with hook pointing up to prevent riding fences.

- Special wire, heavily coppered and rust resisting. Will not break.

Nos.	Per Box	Size Wire,		For	Wt. Per Doz., Lbs.
		Nos.	For		
AB HHI	\$0.25	9	Hogs any size	6½	
AB HS2	.20	11	Pigs and Shoats	4¾	

One dozen boxes in a display package. Six display packages in a carton.

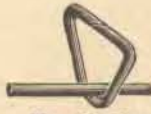
HOG RINGS

Illustrations $\frac{3}{8}$ Size
STEWART'S

Copper plated—needle point when properly pressed together, forms a smooth, triangular shaped ring. On the front of the ring is welded, at right angles, a piece of wire same diameter as ring of sufficient length to cover the snout.



No. 12 Open



No. 12 Closed

When the animal lifts on a wire it slides down the snout and engages the cross piece, or in rooting comes in contact with the ground, causing temporary pain and in a short while breaks the animal of its aggravating habits.

		Box
AB 10	Small size, for Pigs	\$0.25
AB 11	Medium size, for Shoats	.25
AB 12	Large size, for Hogs	.25

Packed in cardboard boxes: No. 10—24 in a box. No. 11—20 in a box. No. 12—12 in a box.
Weight per dozen boxes 3 lbs.

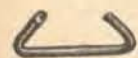


Special Rings for Chicken Eating and Vicious Hogs

The bar on these rings is bent outward and stands parallel to the ground. The only ring which will successfully stop hogs from catching chickens. Applied same as other rings.

AB 36—Weight per dozen $\frac{1}{2}$ lb. Each \$0.10

One dozen in a cardboard box, with directions.
Also one blank ring with which to adjust ringer.



No. 3 Open
Nos.

AB 1	Small size, for Pigs	\$0.10
AB 2	Medium size, for Shoats	.10
AB 3	Large size, for Hogs	.10



No. 3 Closed
Box



Ring Open
Nos.

AB PP	Small size, for Pigs	\$0.15
AB PS	Medium size, for Shoats	.15
AB PH	Large size, for Hogs	.15



Ring Closed
Box



Ring Open
Nos.

AB PPN	Small size, for Pigs	\$0.20
AB PHN	Large size, for Hogs	.20



Ring Closed
Box



Ring Open
Nos.

AB BP	Small size, for Pigs	\$0.10
AB BS	Medium size, for Shoats	.10
AB BH	Large size, for Hogs	.10



Ring Closed
Box

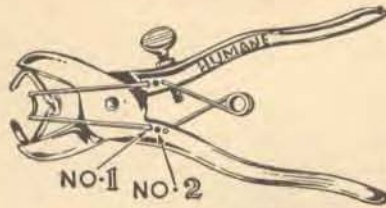
100 rings in a cardboard box. One dozen boxes in a package.

Weight per dozen boxes 5 lbs.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

HOG RINGERS

HUMANE



• Extra heavy and strong, attractively finished in red and black. Rustproof set screw with lock nut. Equipped with wire stop between jaws to prevent inserting ring too far into the nostrils.

Also strong spring between handles that holds ring securely in the jaws ready for use. Will fit Humane rings Nos. AB HH1 and AB HS2. Will also close many other ordinary rings. Malleable iron; length 8 inches.
AB 35—Weight per dozen 10 lbs. Each \$0.39

One-half dozen in a carton.
Three dozen in a case.

STEWART'S



Will fit Stewart's pattern rings, all sizes. With screw and bolt adjustment. Malleable iron, cadmium plated. Length 7 inches.

AB 70—Weight per dozen 8 lbs. Each \$0.23



PERFECT PATTERN

Will fit Perfect pattern rings, all sizes. Malleable iron, cadmium plated. Length $6\frac{1}{2}$ inches.

AB PM—Weight per dozen 6 lbs. Each \$0.23



BLAIR'S PATTERN

Will fit Blair's pattern rings, all sizes. With thumb adjusting screw. Malleable iron, cadmium plated. Length 6 $\frac{1}{2}$ inches.

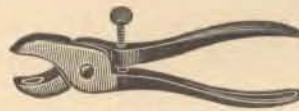
AB BM—Weight per dozen 6 lbs. Each \$0.23



WOLVERINE

Will fit Wolverine pig or hog rings. Gray iron. Wrought iron rivet at joint. Black japanned. Length $7\frac{1}{2}$ inches.

AB W—Weight per dozen 9 lbs. Each \$0.25



HILL'S PATTERN

Will fit Hill's pattern rings, all sizes. With thumb adjusting screw. Length 6 $\frac{1}{2}$ inches.

Malleable iron, cadmium plated.

AB 150—Weight per dozen 6 lbs. Each \$0.19

Gray iron, black japanned. Jaws enameled red.

AB 125—Weight per dozen 6 lbs. Each \$0.15

One dozen in a carton.

Use . . .

KEEN KUTTER
CUTLERY AND TOOLS

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ELECTRIC SHEEP SHEARING MACHINES



NEW IMPROVED STEWART SHEARMASTER
For Farm Flocks of Sheep and Goats

- Plenty of power for fast, cool, all day shearing.
- Equipped with a powerful ball bearing, air-cooled motor inside the composition handle. New professional type tension control. Manipulated as easily as an ordinary shearing hand-piece. The ball bearings assure efficient heavy duty clipping.

Fully insulated, shock-proof—no ground wire to bother with.

The handle or case is approximately 2 inches in diameter—perfectly balanced—easy and comfortable.

Complete with Universal motor, two AB 4HA shearing cutters, two AB 4HB shearing combs, 20 foot special rubber covered cord, and unbreakable rubber wall plug.

AB 31—For 110 volts alternating current, any cycle, or direct current.....Each \$22.95

AB 31/32—For 32 volt direct current.....Each 24.95

AB 31/220—For 220 volt direct current...Each 24.95

Shipping weight each 7½ lbs.
One in a carton.

CLIPPING HEAD

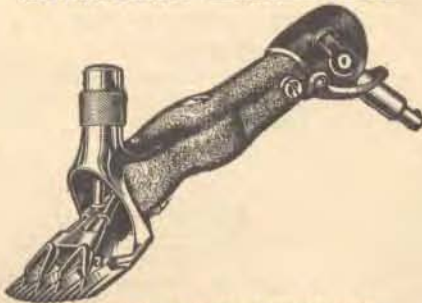
For Use on AB 31 Series Shearmaster

AB 31A—Complete with two combs and four cutters. Weight each 3 lbs.....Each \$10.95

PLEASE NOTE

If a shearing machine is to be used for clipping or a clipping machine is to be used for shearing, a complete attachment is required.

SHEARING HANDPIECE



STEWART-WIDE SHEARING

New Fork Yoke Spring and Tension Nut Spring

The improved retaining spring prevents breaking of yokes or comb teeth. New patented tension control spring permits finer adjustment and positively eliminates backup.

Less Vibration! Longer Wear! Low Upkeep Cost!

This shearing handpiece is made of the finest tool steel machined to extremely close limits of tolerance and rigidly inspected to insure years of trouble free service. Low in first cost and low in upkeep cost because of superior quality materials and workmanship.

Complete with AB G287 comb and AB P2311 cutter.

AB EB—Shipping weight each 3 lbs.....Each \$11.95

One in a carton.

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

ELECTRIC CLIPPING MACHINES



STEWART BALL BEARING CLIPMASTER
For Horses, Mules, Cows and Dogs

- This super-fine machine clips faster and easier!
- New ball bearing tension makes very little pressure on cutting blades necessary, so they stay sharp longer.
- Easy-grip handle only 2 inches in diameter is easy to hold and comfortable in any position.

• Economical to operate. Uses no more current than an ordinary light bulb.

• Has two to five times the power of other animal clippers of this type.

• The ball bearing air cooled motor is enclosed inside the composition handle.

• Fully insulated. No ground wire to bother with.

Complete with Universal motor, ABC71M and AB 72M cutting blades, 20 feet rubber covered cord and unbreakable rubber wall plug.

AB 21—For 110-120 volts alternating current, any cycle, or direct current.....Each \$17.85

AB 21/32—For 32 volts direct current.....Each 19.95

AB 21/220—For 220 volts alternating currentEach 19.95

Shipping weight 5½ lbs.

SHEARING HEAD

For Use on AB 21 Series Clipmaster

AB 21A—Complete with two combs and four cutters. Weight each 2½ lbs.....Each \$5.95

ENGINE DRIVEN SHEARING MACHINE

STEWART ONE-MAN

For Shearing Sheep and Goats

Saves the labor of one man and will shear as many as 150 sheep or goats a day without crowding. Quickly set up and attached to wall or overhead beam by means of two bracket bolts. Thrown in and out of gear by a simple push or pull at the top of the jointed shaft. Engine keeps on running when machine is out of gear.

Complete with fast-and-loose pulley clutch bracket, 69-inch jointed shearing shaft, AB 7 Stewart ball bearing hand piece and two AB 276 cutters.

AB OMS25—Complete. Shipping weight 47 lbs.....Each \$28.95

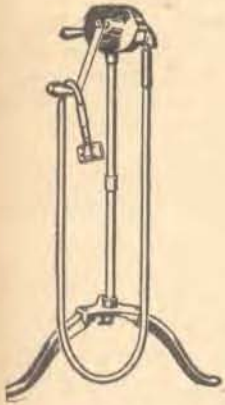
Complete with fast-and-loose pulley clutch bracket, 69-inch jointed shearing shaft, AB EB Stewart wide shearing hand piece, two AB G287 wide combs and four AB P2311 wide cutters.

AB OMS252—Complete. Shipping weight 47 lbs.....Each \$34.95

One in a carton.

**HAND POWER CLIPPING MACHINES
FOR CLIPPING HORSES, COWS AND MULES**

STEWART—BALL BEARING



Turns Easy! Clips Fast!
A sturdy and well built, easy turning clipping machine. Used extensively in this country and abroad.

Solid cast iron tripod base, 1-inch tubular upright. Painted black. All gears are cut from solid steel, run in bath of oil and housed in dust-proof metal case, reducing friction to a minimum; 5/8-inch all steel, flexible shaft, canvas covered. Cutters or knives are one nut, balance pressure, dust-proof type. Height over all 38 inches, width between feet 22 inches.

Equipped with the latest and lighter, improved tension Stewart AB D1 clipping head for faster clipping with lighter tension, and 6 feet of flexible shaft and chain.

AB 1—Weight each 30 lbs.....Each \$13.45

Shipped knocked down; one in a case.

**HAND POWER SHEARING MACHINES
FOR SHEARING SHEEP AND GOATS**

STEWART—BALL BEARING



This is the preferred machine for shearing sheep and goats. Easy to turn, shears fast. Built to last indefinitely. Penetrates any kind of wool.

Gears cut from solid steel, enclosed in dust-proof metal box and run in bath of oil reducing friction to a minimum. Jointed shaft, 42 inches long, has free movement in any direction. Universal joint 3/4-inch flexible shaft. Solid cast iron tripod base; 1 1/4-inch tubular upright, painted black. Height over all 38 inches. Width between feet 22 inches.

Complete

with Stewart light running, ball bearing shearing handpiece AB 7, two combs and four cutters.

AB 9—Complete. Weight 45 lbs.Each \$23.50

One in a wood box.

PLEASE NOTE

If a shearing machine is to be used for clipping or a clipping machine is to be used for shearing, a complete attachment is required.

SHEEP SHEARING ATTACHMENT

STEWART

For Shearing Sheep and Goats



Fits AB 1 and AB 9 hand power clipping machines. Can be put on or removed in a few minutes.

Consists of a complete universal jointed shaft, AB 7 narrow shearing handpiece, 4 AB 276 cutters and 2 AB 277 combs.

#AB 77—Complete attachment. Weight 10 lbs.....Each \$16.95

One in a wood box.

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SHEARING HANDPIECE

STEWART

Ball Bearing



Fast shearing, cool running. Scientifically fitted with ball bearings.

Uses any Stewart 10-point comb and 3-point cutter.

Complete with 1 comb and 1 cutter.

#AB 7—Complete. Weight 3 1/2 lbs.....Each \$9.95

One in a wood box.

Grinding

Hand Power Clipper Plates

This grinding service is furnished for all plates used on Stewart hand-power clipping machines Nos. AB 1, AB 77, AB 7.

Grinding PlatesPer Pair \$0.75

CLIPPING ATTACHMENT

For use with No. AB 9 shearing machines when horses, mules, cows or dogs are to be clipped.

STEWART



Quickly removed or put on. Makes machine doubly useful.

Complete with angle head, 6 feet flexible shaft and chain, AB D1 clipping head fitted with one set of AB 90 and AB 99 clipping blades.

AB SC1050—Complete. Weight 8 lbs.Each \$8.25

One in a wood box.

Grinding

Hand Power Sheep Shearing Plates

For AB 9 Shearing Machine.

GrindingPer Pair \$0.39

CLIPPING HEADS

STEWART

Latest Models

Will fit all Stewart clipping machines except Clipmaster and Shearmaster.

Center balanced tension device insures faster clipping with lighter tension.

Complete with one set of clipping blades.

AB D1—For clipper shaft with round holeEach \$4.25

AB D2—For clipper shaft with square holeEach \$4.25



Important—Be sure to specify round or square. Weight each 12 ozs.

Old Model

Fits only 871A shaft. Supplied on Nos. 1 and 10 clipping machines prior to 1933.

Uses only AB 360 and AB 361 clipping blades.

Complete with one set of AB 360 and AB 361 blades.



ABB1—Complete. Weight each 16 ozs.....Each \$4.25

One in a carton.

CLIPPING MACHINE PLATES



FOR CLIPMASTER No. AB 21 SERIES
 AB C71M—Top Plate. Weight each 2 ozs.....Each \$1.35

AB 72M—Bottom plate. Weight each
 4 ozs.Each 1.85



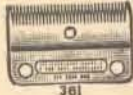
FOR CLIPMASTER Nos. J1 AND J2
 AB E1—Top plate. Weight each 3 ozs.....Each \$1.35

AB E2—Bottom plate. Weight each 4 ozs.....Each 1.85



FOR AB D1, AB D2, AB C1 HEADS
 AB 90—Top plate. Weight each 3 ozs.....Each \$1.35

AB 99—Bottom plate. Weight each 4 ozs.....Each 1.85



FOR ABB1 HEAD
 AB 360—Top plate. Weight each 3 ozs.....Each \$1.35

AB 361—Bottom plate. Weight each 4 ozs...Each 1.85

Packing—bulk.

WIDE COMBS AND CUTTERS STEWART

For Use on All Wide Shearing Hand Pieces
 AAA Wide Cutter



New angles of cutter teeth make this cutter mesh better with the comb for faster, easier, cleaner cutting. You'll get the best results you ever had with it.

AB 34AB—Weight each 2 ozs.....Each \$0.35

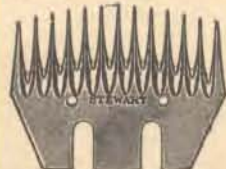
20 to a box.

Regular Cutter



It holds the edge. Shaped and finished to give best results with least effort. Patented elongated hole in left tooth to insure perfect fit of fork yoke.

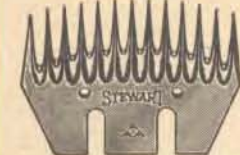
AB P2311—Weight each 3 ozs.....Each \$0.40



Regular Comb

AB G287—Weight each
 5 ozs.Each \$0.85

AAA Synchronous Comb



The finest quality!

AB P7109—Weight each
 5 ozs.Each \$1.00

Packing—bulk.

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COMBS AND CUTTERS

STEWART
 CUTTING BLADES FOR STEWART
 SHEARMASTER MACHINE AB 31 SERIES



Top Cutter for
 Clipping and Shearing
 AB 4HA—Weight each
 1/2 oz.Each \$0.35

COMB FOR SHEARING ONLY

AB 4HB—Weight 2 ozs.....Each \$0.75



BOTTOM BLADE
 FOR CLIPPING ONLY
 AB 4HC—Weight 3 ozs.....Each \$1.50

Packing—bulk.

NARROW COMB AND CUTTER

STEWART

FOR STEWART AB 7 SHEARING HAND PIECE
 Cannot be used on wide shearing hand piece.



THREE-POINT CUTTER
 AB 276—Weight 1/2 oz.....Each \$0.30

TEN-POINT COMB

AB 277—Weight each 2 ozs.....Each \$0.80

Packing—bulk.



GRINDERS



HAND POWER

For sharpening, clipping and shearing blades.

Uses abrasive powder No. G8242.

* AB 4A—With shearing plate holder.....Each \$12.00

* AB 4B—With clipping plate holder.....Each 12.50

* AB 4C—With shearing and clipping plate holdersEach 12.75

Weight each 32 lbs.



POWER DRIVEN

Light, easy to use.

Includes two discs, pulley bracket, lag bolts, pendulum, cement and brush.

* AB 6A—For clipping blades. Complete with two holders and three No. 100 emery circles. Each \$23.50

* AB 6B—For shearing blades. Complete with one holder, two No. 60 emery circles for combs and two No. 80 circles for cutters.....Each 23.00

* AB 6C—For clipping and shearing blades. Complete with three holders and seven emery circlesEach 26.50

Weight each 22 lbs.

One in a carton.

SHEEP SHEARS

KEEN KUTTER

FOR PROFESSIONAL PURPOSES

DOUBLE BOW PATTERN — STRAIGHT BLADES

- Each blade, shank and half-bow forged from one-piece highest grade crucible steel.
- Spring tempered riveted bows.
- Finest quality blades—extra tempered, accurately set, ground, sharpened and etched; with swaged back.
- Extra polished blades and grips.



PLAIN GRIP

Nos.	Each	Lgth. Wt.		
		Blades, In.	All, In.	per Dozen, Lbs.
AB KBBASP6	\$1.85	6	13	11½
AB KBBASP6½	1.98	6½	13½	12
AB KBBASP7	2.15	7	14	12½



NARROW GRIP

Nos.	Each	Lgth. Wt.		
		Blades, In.	All, In.	per Dozen, Lbs.
AB KBBNSNG	\$1.85	6	13	11½
AB KBBNSNG½	1.98	6½	13½	12
AB KBBNSN7	2.15	7	14	12½

SIMMONS PLAIN GRIP

- Each blade and shank forged from 1-piece high grade steel. Carefully tempered, set and sharpened blades, with swaged back—sharp, clean cutting. Blades and grips polished.



DOUBLE BOW PATTERN— STRAIGHT BLADES

- Each blade, shank and half-bow forged from one-piece high grade steel.
- Spring tempered riveted bows.
- Blades carefully tempered, set, and sharpened; with swaged back.
- Polished blades and grips.
- Length of blades 6½ inches. Length over all 13¼ inches.

AB S886½—Weight per dozen 12 lbs.....Each \$1.59



SINGLE BOW PATTERN — BENT BLADES

- Blades, shanks and spring-tempered bow forged from one-piece steel.
- Blades carefully tempered, set and sharpened; with swaged back.
- Polished blades, grips and tops of bow.
- Length blades 5½ inches. Length over all 12¾ inches.

AB S875½—Weight per dozen 9¼ lbs.....Each \$1.10

One-half dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SHEPHERD'S CROOKS



JAXON

Socket pattern. Montana pattern tapering shoulder, rounded tip. Length over all 11½ inches. Made from ¼-inch double steel spring wire, with 3¼-inch steel

socket welded on. Full tinned finish. Without handle. AB 20—Weight per dozen 10 lbs.....Each \$0.79

Four dozen in a carton.

SHEPHERD'S CROOK HANDLES

For No. AB 20 Shepherd's Crooks

Select (X quality) ash, belted finish; length 8 feet.

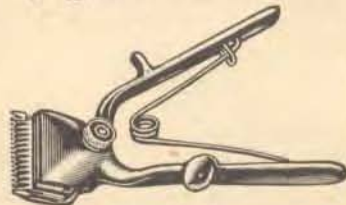
AB 8—Weight per dozen 27 lbs.....Each \$1.10

Packing—bulk.

FETLOCK CLIPPERS

FOR HORSES—CATTLE—DOGS

- Malleable iron handles equipped with finger rests to relieve finger fatigue. Spring between handles.
- Extra quality crucible steel top and bottom plates. Highly tempered. Coarse teeth (8 to inch) to cut hair to ¼-inch.



MODOC

Full nickel-plated. Length over all 5¼ inches.

Bottom plate 1¼ inches wide.

AY 820—Weight each ½ lb.....Each \$1.49

One in a carton.

EXTRA PARTS FOR No. AY 820 FETLOCK CLIPPER

AB 820TP—Top platesEach \$0.50

AB 820BP—Bottom plates.....Each .75

AB 820S—SpringsEach .20

Packing—bulk.

ROACHING SHEARS KEEN KUTTER

- The correctly curved blades of these handy, easy-working, smooth-cutting shears are ideal for close work and keeping animals well groomed. Big, roomy handles relieve hand fatigue. Patented screw and nut at joint for easy, quick regulating of tension.
- Highest grade steel blades. Smooth, black japanned handles.



Glazed finish blades. Length over all 9¼ inches.

AB K20—Weight per dozen 6 lbs.....Each \$2.35



Highly polished blades. Length over all 8¼ inches.

AB K31—Weight per dozen 5¼ lbs.....Each \$1.85

One-half dozen in a carton.

HORSE OR MULE SHEARS
SINGLE BOW PATTERN



KEEN KUTTER

- Blades, shank and bow forged from one-piece highest grade tool steel.

- Bow spring-tempered to assure free, easy action.
 - Extra tempered, set and sharpened swaged back blades.
 - Blades, grips and bow polished.
- Trowel shanks. 4-inch extra polished blades. Length over all 9 1/4 inches.

AB K100—Weight per dozen 5 1/2 lbs.....Each \$0.79



SIMMONS

- Blades, shanks and spring-tempered bow forged from one-piece of high-grade steel.

- Extra tempered, set and sharpened blades. Blades and grips polished to protect finish.
- Plain shanks. 4-inch curved swaged back blades. Natural finish bow. Length over all 9 1/4 inches.

AB S1495—Weight per dozen 5 1/2 lbs.....Each \$0.59

One-half dozen in a carton.

MULE SHEARS



KEEN KUTTER

- Large, roomy handles and finger rest relieve hand strain. Blunt points for safety, make

shears useful for roaching mules.

- Highest grade tool steel blades, highly polished—carefully ground and set, riveted to heavy steel black japanned handles with fitted bows. Special screw, securely riveted on end. Length over all 10 1/4 inches.

AB K167—Weight per dozen 10 lbs.....Each \$1.15

One in a cardboard box.



- Large, roomy handles and finger rest.

- Blunt points, for safety, useful for roaching mules.
- Solid steel bolt

with washer for adjusting tension.

- High-grade steel blades, carefully ground and set. Heavy steel black japanned handles with fitted bows. Length over all 10 1/2 inches.

AB 710—Weight per dozen 12 lbs.....Each \$0.79

One-half dozen in a cardboard box.

THERE IS A DIFFERENCE IN
KITCHENWARE.

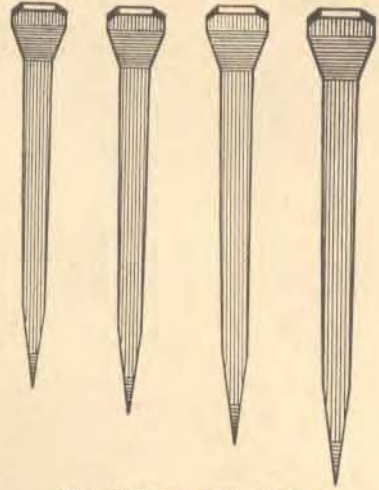
Polly Prim

KITCHENWARE

Is Unusually Good—
But Modest in Price

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

HORSE SHOE NAILS



Illustrations Actual Size

FRANKLIN—UNION
REGULAR PATTERN—FINISHED

Hot forged basic steel.

Nos.	CB F6	CB F7	CB F8
Per Lb.	\$0.27	.27	.27

5 lbs. in a carton. 25 lbs. in a wood box.

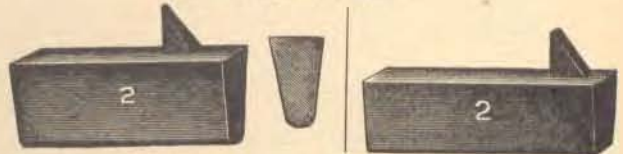
MONARCH
STANDARD PATTERN—BRIGHT FINISH

A serviceable nail at an economical cost. Cold-rolled basic steel.

Nos.	CB M5	CB M6	CB M7	CB M8
Per Lb.	\$0.23	.23	.23	.23

5 Lbs. in a paper carton. 25 Lbs. in a wood box.

TOE CALKS



Country

City

The same number of toe calk is generally used for the same number of horse shoe. In the cold climate, where there is considerable ice and snow, sharp toe calks are used. Blunt or city toe calks are usually used in large cities where there is heavy traffic, but in the country districts where medium sized shoes are mostly used, the medium or country toe calk is preferred. The medium or country pattern serves the all-around purpose the best.

BESSEMER STEEL
COUNTRY PATTERN

Nos.	Per Lb.	Size Nos.	Size Inches	No.	Per Lb.
CB C2	\$0.17	2	1 3/4 x 3/8	12	
CB C3	.17	3	2 x 3/8	8	
CB C4	.17	4	2 1/4 x 7/8	6	
CB C5	.17	5	2 1/2 x 7/8	5	
CB C6	.17	6	2 3/4 x 1 1/8	4	

CITY PATTERN

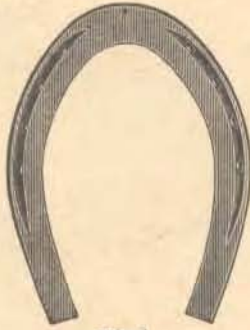
CB X2	\$0.17	2	1 3/4 x 5/8	10
CB X3	.17	3	2 x 3/4	7
CB X4	.17	4	2 1/4 x 7/8	5
CB X5	.17	5	2 1/2 x 7/8	4
CB X6	.17	6	2 3/4 x 1 1/8	3

Twenty-five pounds in a wood box.

HORSE SHOES



Front



Hind

BURDEN

Iron. Perfectly shaped. Will give long satisfactory service.

LIGHT FRONT

Nos.	Per Pair	Size, Nos.	No. Per Keg	Weight Each, Ozs.
#CB F0	\$0.25	0	133	12
#CB F1	.25	1	114	14
CB F2	.30	2	94	17
CB F3	.30	3	89	20
CB F4	.40	4	67	24
CB F5	.50	5	55	29
#CB F6	.60	6	46	35

LIGHT HIND

CB H0	\$0.20	0	160	10
CB H1	.25	1	133	12
CB H2	.30	2	107	15
CB H3	.30	3	89	18
CB H4	.35	4	73	22
CB H5	.45	5	62	26
#CB H6	.50	6	53	30

LIGHT HIND—ASSORTED SIZES

Nos.	Per Pair	Assorted Size, Nos.	Weight Each, Ozs.
CB H12	\$0.25	1 and 2	12 and 15
CB H23	.30	2 and 3	15 and 18
CB H34	.35	3 and 4	18 and 22
CB H45	.40	4 and 5	22 and 26

LIGHT FRONT AND HIND

ASSORTED HALF FRONT, HALF HIND

Nos.	Per Pair	Size, Nos.	Weight Each, Ozs.
CB 1FH	\$0.25	1	12 and 14
CB 2FH	.30	2	15 and 17
CB 3FH	.35	3	18 and 20
CB 4FH	.40	4	22 and 24
CB 5FH	.45	5	26 and 29
CB 6FH	.55	6	30 and 35

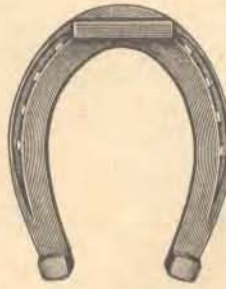
100 pounds in a keg.

SOLD ONLY IN FULL KEGS

HORSE AND MULE SHOES

BURDEN

"TOED AND HEELED" OR "FIT UP"



Electrically welded. Made especially to meet the need of farmers, in rural districts, who formerly depended on horseshoe shops.

Ready to put on—all toed, heeled and punched. Made of soft steel which will permit bending without extreme heat.

HORSE SHOES

LIGHT HIND

Nos.	Per Pair	Size, Nos.	No. Per Keg	Weight Each, Ozs.
CB FH2	\$0.45	2	89	18
CB FH3	.50	3	76	21
CB FH4	.65	4	61	26
CB FH5	.75	5	49	33

LIGHT HIND—ASSORTED SIZES

Nos.	Per Pair	Asstd. Size, Nos.	Avg. No. in Keg	Weight Each, Ozs.
CB FH12	\$0.45	1 and 2	100	14½ and 18
CB FH23	.55	2 and 3	78	18 and 23
CB FH34	.65	3 and 4	62	23 and 39
CB FH45	.75	4 and 5	52	29 and 32½

LIGHT

Nos.	Per Pair	Size, Nos.	No. Per Keg	Weight Each, Ozs.
CB FM2	\$0.40	2	103	15½
CB FM3	.45	3	85	19
CB FM4	.60	4	68	23½

LIGHT—ASSORTED SIZES

Nos.	Per Pair	Asstd. Size, Nos.	Avg. No. in Keg	Weight Each, Ozs.
CB FM12	\$0.40	1 and 2	113	13 and 15
CB FM23	.45	2 and 3	97	15 and 18
CB FM34	.50	3 and 4	78	18 and 24
CB FM45	.65	4 and 5	63	24 and 28

100 pounds in a keg.

SOLD ONLY IN FULL KEGS

MULE SHOES

BURDEN—IRON



Nos.	Per Pair	Size, Nos.	No. Per Keg	Weight Each, Ozs.
#CB M0	\$0.25	0	178	9
#CB M1	.30	1	133	12
CB M2	.30	2	114	14
CB M3	.30	3	100	16
CB M4	.40	4	70	23
#CB M5	.45	5	59	27
#CB M6	.50	6	53	30

100 pounds in a keg.

ASSORTMENT OF SIZES 2, 3, AND 4

CB M234—Weight per keg 100 lbs.

SOLD ONLY IN FULL KEGS

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

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SINGLE TREES

Sturdily made of hickory and fitted with strong wrought irons.



SIMMONS
PLOW—EXTRA HEAVY
 26 Inches Long
 Hickory—Wrought Irons—Painted Blue

Width wood at center 2 3/8 inches. Center clip 1 1/8 inch. End clips 1/8 inch. Hooks 3/8 inch.

AB 126H—Weight per dozen 48 lbs.....Each \$0.55



PLOW—FULL STRAPPED
 Hickory—Wrought Irons—Varnished
 Width wood at center 2 3/8 inches. Center clip 7/8 inch. Ring 3/8 inch. Hooks 1/8 inch. Straps 1/2 inch. Two rivets at each end.

Nos.	Each	Length Inches	Weight Per Dozen, Lbs.
AB 49C26	\$0.75	26	53
AB 49C28	.79	28	55
AB 49C30	.85	30	58



PLOW
 26 Inches Long
 Wrought Clips and Hooks
 Hickory—Varnished
 Width of wood at center 2 1/4 inches. Center clips 7/8 inch.

End clips 3/8 inch. Hooks 1/8 inch.
 #AB 1—Weight per dozen 33 lbs.....Each \$0.50



PLOW
 26 Inches Long
 Split Hickory—Varnished

Width of wood at center 2 3/8 inches. Wrought center clips 7/8 inch. Strap ends 1/8 inch. Turned point wrought hooks 3/8 inch.

#AB 33—Weight per dozen 60 lbs.....Each \$0.79



PLOW
 Hickory—Varnished
 Flat end straps 3/4 inch, with loop ends concaved to give additional strength. Two rivets at each end.

Width wood at center 2 3/8 inches. Center clip 7/8 inch. Ring 3/8 inch. Hooks 1/8 inch.

AB 3511—26 inches long.....Each \$0.69

AB 3512—28 inches long.....Each .69

Weight per dozen 50 lbs.



WAGON—FULL STRAPPED
 34 Inches Long
 Hickory—Wrought Steel—Varnished

Wrought steel 1/2-inch wear irons or end straps with two rivets and heavy nails in each end for additional strength.

Width wood at center 2 3/8 inches. Wrought center clip 3/8 inch. Ring 1/8 inch. Turned point wrought hooks 3/8 inch.

AY 434—Weight per dozen 84 lbs.....Each \$0.89

One-half dozen in a bundle.

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

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SINGLE TREES



PLOW—FULL STRAPPED
 Hickory—Varnished
 These single trees have 3/4-inch straps with loop ends concaved to add strength. Two rivets at each end and two nails in center.

REGULAR

Width wood at center 2 3/8 inches. Center clip 7/8 inch. Ring 3/8 inch. Hooks 1/8 inch.

AB 3517—26 inches long.....Each \$0.65

AB 3518—28 inches long.....Each .65

Weight per dozen 54 lbs.

EXTRA HEAVY

Width wood at center 2 1/2 inches. Center clip 1/2 inch. Ring 7/8 inch. Hooks 3/8 inch.

AB 3527—26 inches long.....Each \$0.79

AB 3528—28 inches long.....Each .79

Weight per dozen 63 lbs.



PLOW OR WAGON
 36 Inches Long
 Hickory—Varnished
 Have 1/2-inch wrought steel wear irons or end straps each end.

with two rivets and heavy nails in center. Width wood at center 2 3/8 inches. Wrought center clip 7/8 inch. Ring 1/2 inch. Turned point wrought hooks 3/8 inch.

AB 446—Weight per dozen 80 lbs.....Each \$0.95



PLOW—STEEL With Swivel
 Special analysis, extra stiff steel, U-bar pattern. Self-locking hooks. Malleable iron loop and hooks.

Nos.	Each	Length Inches	Wt. Per Doz., Lbs.
#AB U24S	\$0.79	24	50
#AB U26S	.85	26	54

One-half dozen in a bundle.

DOUBLE TREES



PLOW—STEEL With Swivel
 36 Inches Long
 Special analysis, extra stiff steel, U-bar pattern. Self-locking hooks. Malleable iron loop and hooks.

U-bar pattern. Self-locking hooks. Malleable iron loop and hooks.

#AB U36S—Weight per dozen 92 lbs.....Each \$1.15

One-quarter dozen in a bundle.



WAGON
 48 Inches Long
 Hickory—Painted Red

Wear plate at center hole. Steel lock pins, clevises and loops. Self-colored. Width wood at center 4x2 inches.

AB 248—Weight per dozen 155 lbs.....Each \$1.35

One-sixth dozen in a bundle.

NECK YOKES



center 2 $\frac{3}{4}$ inches. Wrought iron ring in center $\frac{3}{8}$ x $3\frac{1}{2}$ inches with $\frac{3}{8}$ -inch link attachments held by $\frac{3}{8}$ -inch eye bolts passing through yoke and capped. Malleable end ferrules, with $\frac{3}{8}$ -inch wrought end rings.

WAGON—HICKORY
Wrought and malleable irons. Width at center 2 $\frac{3}{4}$ inches. Wrought iron ring in center $\frac{3}{8}$ x $3\frac{1}{2}$ inches with $\frac{3}{8}$ -inch link attachments held by $\frac{3}{8}$ -inch eye bolts passing through yoke and capped. Malleable end ferrules, with $\frac{3}{8}$ -inch wrought end rings.

Nos.	Each	Finish	Wt. Per	
			Lgth., Ins.	Doz., Lbs.
AB 140	\$1.25	Varnished	40	93
AB 142R	1.25	Painted red	42	108

One-half dozen in a bundle.

NECK YOKE IRONS



Wrought iron plates, with $\frac{1}{2}$ -inch eye bolts, $\frac{1}{4}$ -inch links and $3\frac{1}{2}$ x $\frac{3}{8}$ -inch ring. Holes in top plate 6 inches apart.

AB 9—Weight per dozen 24 lbs.Each \$0.50

In Sets

Two No. AB 8 ferrules, one No. AB 9 neck yoke iron.

AB 14—Weight per dozen sets 48 lbs.Per Set \$0.59

Packing—bulk.

NECK YOKE FERRULES



Malleable iron ferrule. Diameter inside small end 1 $\frac{1}{4}$ inches, large end 1 $\frac{3}{4}$ inches. With $\frac{3}{8}$ x3-inch wrought ring.

AB 8—Weight per dozen 8 lbs.Each \$0.15

Malleable iron ferrule. Diameter inside small end 1 $\frac{3}{8}$ inches, large end 1 $\frac{1}{2}$ inches. With $\frac{3}{8}$ x3-inch wrought ring.

AB 8L—Weight per dozen 8 lbs.Each \$0.17

Packing—bulk.

POLE CAPS



ROLLED STEEL

Self-colored. 19 inches long. Pole cap and hold back in one piece.

AB 2—Weight each 2 lbs.Each \$0.27

Packing—bulk.

SINGLE TREE IRONS

SINGLE TREE CENTER CLIPS

Self-Colored



Wrought iron $\frac{1}{2}$ -inch round part. Width of flat part 1 $\frac{3}{8}$ inches.

AB 1—Weight per dozen 6 lbs.Each \$0.10

FOR SUGAR PLANTATION—SINGLE TREES

Wrought iron $\frac{5}{8}$ -inch round part. Width of flat part 2 inches.

AB 1S—Weight per dozen 9 lbs.Each \$0.15



Wrought iron $\frac{3}{8}$ -inch round part. Width of flat part 2 $\frac{3}{4}$ inches. With $\frac{1}{2}$ x2-inch wrought ring.

AB 3—Weight per dozen 12 lbs.Each \$0.20

Wrought iron $\frac{5}{8}$ -inch round part. Width of flat part 3 inches. With $\frac{1}{2}$ x2-inch wrought ring.

AB 3H—Weight per dozen 15 lbs.Each \$0.23

Packing—bulk.

SINGLE TREE IRONS



SINGLE TREE CENTER CLIPS

Wrought iron $\frac{1}{4}$ -inch round part. Width of flat part 2 $\frac{3}{4}$ inches. With $\frac{3}{8}$ x2-inch wrought ring.

AB 3L—Weight per dozen 7 lbs.Each \$0.15



SINGLE TREE END CLIPS STANDARD

Wrought iron $\frac{3}{8}$ -inch round part. Width of flat part 1 $\frac{1}{2}$ inches; $\frac{1}{4}$ -inch wrought hook.

AB 4—Weight per dozen 4 $\frac{1}{2}$ lbs.Each \$0.13

HEAVY

Wrought iron $\frac{1}{2}$ -inch round part. Width of flat part 1 $\frac{5}{8}$ -inch; $\frac{3}{8}$ -inch wrought hook.

AB 4H—Weight per dozen 6 lbs.Each \$0.15

EXTRA HEAVY

Wrought iron $\frac{1}{2}$ -inch round part. Width of flat part 1 $\frac{3}{8}$ inches; $\frac{1}{4}$ -inch hook.

AB 4EH—Weight per dozen 10 lbs.Each \$0.20

IN THREE-PIECE COMBINATIONS OR SETS

Nos.	Per Set	Type	Wt. Per
			Doz., Lbs.
	Plow—One No. AB 1—Two No. AB 4		
AB 10	\$0.35	Plow	15
	Wagon—One No. AB 1S—Two No. AB 4H		
AB 11	.45	Wagon	21
	Plow—One No. AB 1S—Two No. AB 3		
AB 15	.49	Plow	34

END FERRULE AND HOOK Malleable Iron



Wrought hook $\frac{3}{8}$ -inch. Diameter ferrule, small end 1 $\frac{3}{8}$ inches, large end 1 $\frac{1}{2}$ inches.

AB 12F—Weight per dozen 8 lbs.Each \$0.19

Wrought iron hook $\frac{3}{8}$ -inch. Diameter ferrule, small end 1 $\frac{1}{2}$ inches, large end 1 $\frac{3}{8}$ inches.

AB 13F—Weight per dozen 9 lbs.Each \$0.23



McPHAIL'S SINGLE TREE CLIP

Patent malleable iron. With loose hook, 1 $\frac{3}{8}$ -inch tree end opening.

AB 25—Weight per dozen pairs 9 lbs.Per Pair \$0.15



SINGLE TREE HOOKS

Wrought iron $\frac{3}{8}$ -inch

AB 5—Weight per dozen 3 lbs.Each \$0.05

Packing—bulk.

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SINGLE TREE STRAPS



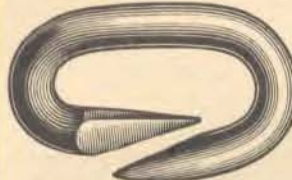
Bent—Self-Colored

Wrought iron. Size of opening 1½ inches. Length short strap 5 inches, long strap 10½ inches. Length over all 12 inches.

Nos.	Each	Weight Per 100 Lbs.
AB 565	7/16 Inch Round Part \$0.10	73
AB 566	½ Inch Round Part .12	85

Packing—bulk.

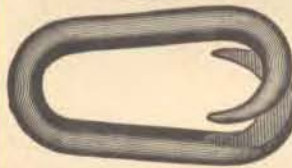
PLOW LINKS



LAP LINKS
END OPEN

Wrought iron, highly polished. Wire 5/8-inch. Size inside 2½ inches.

AB B—Weight per gross 124 lbs.Each \$0.15



SIDE OPEN

Wrought iron, highly polished.

Nos.	Each	Size Wire, Inches	Size Inside, Inches	Wt. Per Gross, Lbs.
AB BS 9/16	\$0.10	9/16	1 7/8 x 2 1/2	84
AB BS 5/8	.13	5/8	5/8 x 2 1/2	124



Malleable iron, ½-inch thick, 1¾ inches wide inside, 2½ inches long inside. Length over all 3½ inches.

AB 2800—Weight per dozen 5 lbs.Each \$0.10

Packing—bulk.

OPEN LINKS



Wrought Iron



Nos.	Each	Wire Diam., In.	Inside Measure, Ins.	Wt. Per Gross, Lbs.
AB 10/2	\$0.02	¼	1 ¼	11
AB 10/1	.03	5/16	1 ¼	15

One-half gross in a carton.



Bright Wire

Nos.	Each	Size, Ins.	Inside Wire, In.	Measure, Ins.	Wt. Per Gross, Lbs.
AB 516/2	\$0.05	7/16 x 2	7/16	2	24
AB 38/2	.06	3/8 x 2	3/8	2	34
AB 38/2 1/2	.07	3/8 x 2 1/2	3/8	2 1/2	36
AB 716/2 1/2	.08	7/16 x 2 1/2	7/16	2 1/2	55
AB 12/2 1/2	.09	1/2 x 2 1/2	1/2	2 1/2	74

Packing—bulk.

COLD SHUTS



WITHOUT SHOULDER

Wrought iron. Self-colored. Plain shank.

Nos.	Each	Size, Inches	Iron, Inch	Size Inside, Inches	Wt. Per Doz., Lbs.
AB ¼	\$0.05	¼ x 1 ½	¼	1 ½	1
AB 5/16	.05	5/16 x 1 ¾	5/16	1 ¾	1 ½
AB 3/8	.05	3/8 x 2	3/8	1 ¾	2 ½

Two dozen in a carton.

AB 7/16	.06	7/16 x 2 ¼	7/16	2	3 ¼
AB ½	.07	½ x 2 ½	½	2 ½	5
AB 5/8	.10	5/8 x 3	5/8	2 ¾	8 ½

Packing—bulk.

CHAIN REPAIR LINKS



LAP LINKS

Malleable iron, polished.

Tested to double the strain they would ever receive when used in connection with harness work.

Nos.	Each	Iron, Inch	Length Over All, Inches	Weight Per Doz., Lbs.
AB 100	\$0.10	¼	2	1 ¼
AB 150	.12	5/16	2 ¾	2 ½
AB 200	.15	3/8	2 ¾	4
AB 300	.35	½	3 ¾	6 ½

Packing: 100 and 150—two dozen in a carton.
200 and 300—one dozen in a carton.

ACCO UTILITY

High-grade wrought iron.

Coppered Finish

One dozen of the most frequently used repair links, for repairing chains of all kinds. Put up in a handy box. They are strong, easy closing and have long overlaps.



Box Contains:

Quantity	Diameter Iron, In.	Inside Size, Inches	Size Closed, Inches
2	3/16	1 ¼ x 1 7/8	1 ¾ x 1
4	¼	1 ¼ x 1 7/8	1 ¾ x 1 1/8
2	5/16	1 ¾ x 3/8	1 11/8 x 1 3/8
2	7/16	1 ½ x 7/8	2 ¼ x 1 3/8
2	3/8	1 ¾ x 7/8	2 ¾ x 1 1/2

AB A12—Weight per dozen boxes

17 lbs.Per Box \$0.25

One dozen boxes in a carton.

CONNECTING LINKS



Malleable Iron

Nos.	Each	Outside Measurements, Inches	Weight Per Doz., Lbs.
AB 2531 3/16	\$0.10	1 3/16 x 1 1/8	¼
AB 2531 ¼	.10	1 ½ x 1	¾
AB 2531 5/16	.12	1 11/16 x 1 7/16	1
AB 2531 3/8	.15	2 1/16 x 1 7/16	2
AB 2531 7/16	.15	2 ¾ x 1 7/16	3 ¾
AB 2531 ½	.17	2 ¾ x 1 ¾	4 ½

One dozen in a carton.

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MALLEABLE CLEVISES



Nos. AY 335 to AY 379



Nos. AY 395 to AY 440

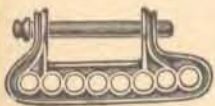
DOUBLE TREE SCREW PINS

Nos.	Each	Width Inside, Inches	Depth Inside, Inches	Length Over All, Inches	Wt. Per Doz., Lbs.
AB 335	\$0.12	2	3	4½	8¾
AB 347	.15	2	5	6½	13¾
AB 368	.15	2¼	4	5½	12½
AB 379	.19	2½	4¼	6	14½
AB 395	.17	2	3¼	4½	12½
AB 410	.15	2½	3¼	4½	14
AB 410¼	.15	2¼	3¼	4½	14
AB 420	.23	2	4¾	6	14½
AB 427	.23	2¼	4½	6	17¼
AB 430	.23	2½	4½	6	17½
AB 432	.25	2½	5¾	7	19¾
AB 440	.35	2½	6½	8½	20



END—SCREW PIN

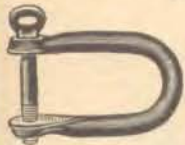
Nos.	Each	Opening, Inch	Inch Clear	Length Over All, Inches	Wt. Per Doz., Lbs.
AB 2805S	\$0.09	¾	1¼	2⅞	5
AB 2810S	.12	1	1¾	3½	7½
AB 2815S	.15	1	2	3¾	12



Inside Lugs 3¼-Inch
Length over all 6½ inches. 8 holes.
AB 2832C—Weight per dozen 14¼ lbs.....Each \$0.19

Packing—bulk.

STEEL CLEVISES



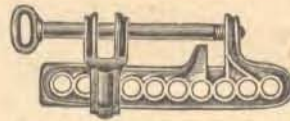
ROUND STEEL

Double tree. Screw pin. Oval band. ⅝-inch pin.

Nos.	Each	Width Inside, In.	Depth Inside, In.	Size Steel, In.	Wt. Per Dozen, Lbs.
AB 12R	\$0.25	2	4	⅝	17
AB 14R	.29	2¼	5	⅝	19
AB 17R	.33	2½	6	⅝	22
AB 25R	.49	3	8	¾	36

Packing—bulk.

MALLEABLE CLEVISES



STOWELL'S CROSS

Adjustable from 1 inch to 4¼ inches. Inside lugs 8 inches long. 10 holes.

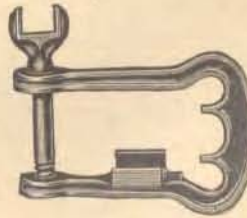
AB 3000—Weight per dozen 20 lbs.....Each \$0.25



DOUBLE-TREE—FLUTED PATTERN

Twisted end. Loop head screw pin. Opening 2 inches. Clear 3 inches. Extreme length 5 inches.

AB 334—Weight per dozen 13¾ lbs.....Each \$0.19



FERGUSON PLOW ⅝-Inch Pin

Beam 2¼-inch. 4 inches from center of wrench to end of beam. 1¼ inches between ears. Extreme length 6 inches.

AB 2834—Weight per dozen 11 lbs.....Each \$0.17



PLOW FITS FERGUSON ATLANTA PLOWS

Beam 2 inches. 4 inches from center of wrench to end of beam. Extreme length 5¼ inches.

AB 2837—Weight per dozen 8 lbs.....Each \$0.15

(Fits A, O, ½, 8, 1, P and all southern one-horse plows.) Beam 2¼ inches. 3½ inches from center of wrench to end of beam. Extreme length 5¼ inches.

AB 2840—Weight per dozen 12 lbs.....Each \$0.15



NON-CROSSABLE THREAD

SWIVEL END—SCREW PIN

¾-inch opening. 1½-inch eye. Extreme length 5 inches.

AB 2516A—Weight per dozen 14 lbs.....Each \$0.19

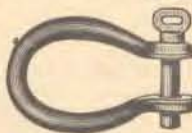


END—SCREW PIN

¾-inch opening. 2½-inch clear. Extreme length 3¾ inches.

AB 2821—Weight per dozen 8½ lbs.....Each \$0.13

TRACTOR CLEVISES



MONTICELLO

Unbreakable drop forged round steel, rich green enameled. Pin secured by cotter pin.

Nos.	Each	Size Opening, In.	Size Steel, In.	Size Pin, In.	Wt. Per Dozen, Lbs.
AB 45M	\$0.40	1½x5	¾	⅝	26
AB 46M	.57	1½x5	¾	¾	36

Packing—bulk.

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PLOW HANDLES



STRAIGHT

Straight grained oak 1 1/4 x 2 inches. Thoroughly air dried. Hand hold finished, balance in the rough.

Nos.	Per Pair	Length, Feet	Wt. Per Doz., Lbs.
AB 124 1/2	\$0.59	4 1/2	34
AB 125	.65	5	38

One dozen in a bundle.

HEEL BOLTS



Malleable iron bolt with square shank and button head 1 3/8 inches in diameter. Malleable iron tail nut.

Nos.	Per Dozen	Size, Inches	Weight Each, Lbs.
AB M1	\$0.12	5/8 x 2 1/2	3/4
AB M1 1/2	.13	5/8 x 2 3/4	3/4
AB M2	.15	5/8 x 3 1/2	3/4
AB M3	.17	5/8 x 4 1/2	1

One hundred in a bag.

RUB IRONS



Wrought Iron

Length 5 1/2 inches, width 2 1/2 inches, thickness 1/2 inch. With 3/4 inch thick rub part.

AB 52—Weight each 2 lbs.....Each \$0.15

Packing—bulk.

WAGON STAKE IRONS

Pressed Steel



Natural finish. Length over all 7 1/2 inches. 3/8-inch bolt holes. For 1 1/2 x 3 1/4 inch stake. Depth 1 1/4 inches.

AB 75—Weight per dozen 9 lbs.....Each \$0.10



Natural finish. Length over all 7 1/2 inches. 3/8-inch bolt holes. For 1 1/2 x 3 1/2 inch stake. Depth 2 1/4 inches.

AB 77—Weight per dozen 12 lbs.....Each \$0.10

Tapered, painted blue. Length over all 6 inches with 3/8-inch square bolt holes. For 3 x 1 3/4-inch stake, 3 inches deep.

AB 1947B—Weight per dozen 12 lbs.....Each \$0.10

Packing—bulk.

WAGON BOW STAPLES



Wrought—Self-Colored To Rivet On

Width 2 inches.

AB 2R—Weight per gross 11 3/4 lbs.....Each \$0.05

One-half gross in a carton.

WAGON BOX STRAP BOLTS



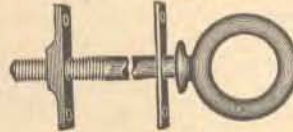
HALF OVAL PATTERN

Wrought iron. Length shank 3 1/4 inches.

Nos.	Per Set	Length Over All, Inches	Diameter Shank, Inch	Wt. Per Set, Lbs.
AB 710	\$0.89	10	1/2	4
AB 812	.95	12	1/2	4 1/2
AB 912	1.10	12	5/8	6
AB 914	1.15	14	5/8	6 1/2
AB 1012	1.10	12	5/8	7
AB 1014	1.15	14	5/8	7 1/2
AB 1016	1.29	16	5/8	8

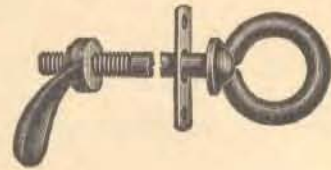
One set wired in a bundle.

WAGON BOX RODS



FOR WAGON BOX OR END GATE, WITH PATENT SHOULDER

Nos.	Each	Track	Dia., Inch	Lgth., Feet	Wt. Per Bundle, Lbs.
AB 3A	\$0.23	Narrow	3/8	3 1/4	36
AB 3B	.23	Medium	3/8	3 1/2	40
AB 4B	.27	Wide	3/8	3 1/4	43
AB 2A	.29	Narrow	7/8	3 1/4	50
AB 2B	.29	Medium	7/8	3 1/2	55



Nos.	Each	Track	Dia., Inch	Lgth., Feet	Wt. Per Bundle, Lbs.
AB 5A	\$0.27	Narrow	3/8	3 1/4	40
AB 5B	.29	Medium	3/8	3 1/2	45

Twenty-five rods in a bundle.

WAGON BOX ROD HANDLE NUTS



Malleable Iron—Self-Colored Tapped or Threaded Length 3 3/4 inches.

AB 38T—For 3/8 inch rod.....Each \$0.05

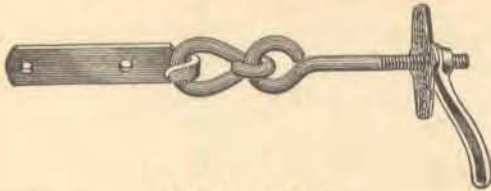
AB 76T—For 7/16 inch rod.....Each .05

Packing—bulk. Weight per dozen 1 3/4 lbs.

**FINE WORKMANSHIP
BUILDS FINE
KEEN KUTTER
TOOLS**

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

END GATE FASTENERS



MONTIGELLO

Suitable for use on all standard size regular grain and vegetable wagon boxes and home-made truck bodies. Easy to install!

Each set consists of four wrought steel end straps $\frac{3}{8}$ "x $1\frac{1}{2}$ "x $5\frac{1}{4}$ " inches and four eye bolts with extra links. Tail nuts and washers. All painted green. Length (eye bolt and link) $10\frac{1}{4}$ " inches.

AB 3EGS— $\frac{3}{8}$ " inch eye hook bolts.....Per Set \$0.98

AB 4EGS— $\frac{7}{16}$ " inch eye hook bolts.....Per Set 1.19

One set (4) in a bundle.

Weight per dozen sets 54 lbs.

SIDE BRACES



Wrought iron, finished complete. Length $15\frac{1}{2}$ " inches.

Set of 8, wired.

Nos.	Per Set	Diameter of Round Part, Inches
AB 95A	\$1.19	$\frac{7}{8}$
AB 95B	1.39	$1\frac{1}{2}$
AB 95C	1.79	$1\frac{3}{8}$

Packing—bulk. Weight per set 8 lbs.

COTTON FRAME CLAMPS



Used in the construction of cotton frames, which requires eight clamps to the set.

One-piece wrought iron clamp, $\frac{1}{4}$ "-inch in diameter. Inside width $2\frac{3}{4}$ " inches. Inside length $10\frac{1}{2}$ " inches. Wrought iron clip tie $\frac{1}{8}$ "-inch thick, 1 inch wide. Complete with nuts.

AB 10 $\frac{1}{2}$ —Weight per 100, 125 lbs.Each \$0.17

Packing—bulk.

AXLE GREASE



FRAZER'S CROWN—MICA

A perfect lubricant for carriages, carts, wagons, water wheels.

Only the finest grade of materials used. Will not gum or run from the axle. Prevents rust or tarnish on polished metal surfaces. Very economical.

Nos.	Each	Quantity, in Tin	Wt. Per Doz., Lbs.
AB CM1	\$0.15	1 lb.	14
AB CM3	.39	3 lbs.	45

Packing: AY CM1—three dozen in a case.
AY CM3—two dozen in a case.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

WAGON UMBRELLAS

KEEN KUTTER

This is an ideal double purpose umbrella!

Besides being an efficient sun shade and rain protector, it is also an impressive advertising medium.

Made with six panels, three white, three yellow. **KEEN KUTTER** trade mark is printed in red on three white panels. Customer's advertisement (not exceeding 6 words or 40 letters) printed on three yellow panels.

YELLOW AND WHITE COMBINATION ONLY
SAME ADVERTISEMENT PRINTED ON
THREE YELLOW PANELS



Standard Spread 66 Inches

Removable Cover—made of heavy serviceable cotton drill. **Solid Steel frame**. Cadmium plated to resist rust. Six heavy detachable steel ribs. Ribs and stretchers specially tempered with hook ends to engage solid steel edge in top notcher and runner, eliminating bothersome tie wires. Metal rib receptacle is securely riveted to leather base and sewed to cover or under side.

Handle—Extra selected hardwood, oil finished, $1\frac{1}{2}$ " inches in diameter.

Complete with latest improved seat and floor fixtures—all metal parts japanned.

AB 10—Weight per dozen 84 lbs.....Each \$4.35

Packing—bulk.

UMBRELLA BRACKETS

FOR TRACTORS AND HARVESTERS



This is an ideal fixture for attaching a wagon umbrella to the standard implement seat. Holds umbrella directly over the seat. After bracket is once installed umbrella can be attached or removed without tools.

Cast metal arm and clamp, with thumbscrew—black enameled.

ABH—Weight per dozen 10 lbs.....Each \$1.25

Packing—bulk.

Polly Prim
ALUMINUMWARE
Does the Work Well
and
Costs So Little

BALL BEARING JACK SCREWS

SIMPLEX—LOCOMOTIVE

Every part made extra strong for heavy lifting!



Lacquered in Colors

Gray iron standard, with open hand hole which permits seeing how high the screw can be run out, a valuable safety feature. Drop forged and heat-treated cap, with diamond-shaped top and retaining pin. Chrome molybdenum ball reduces friction, increases power and prevents jack from twisting under the head. Steel forged screw and head, with accurate machine-cut threads.

Nos.	AB 1	AB 2	AB 3	AB 11	AB 13	AB 17
Lifting Cap., Tons	10	12	16	12	16	20
Diameter Screw, In.	1¼	1½	1¾	1½	1¾	2
Total Height Closed, In.	14	16¼	18¼	14¼	14¼	12¼
Total Height, Extended In	22	26	29½	22	22½	17¼
Color	Green	Red	Light Blue	Red	Light Blue	Dark Gray
Wt. Each, Lbs.	15	21	30	17	22	22
Each	\$2.95	4.35	5.65	3.95	4.85	5.25

Packing—bulk.

SIMPLEX—JUNIOR



A sturdy little jack for use around the house, garage, farm and shop. Will lift any auto or motor truck without danger of tipping or collapsing. The hand hold permits the screw to be in sight at all times and eliminates the danger of raising too high.

Lacquered assorted colors red, blue and green. Complete with forged heat-treated lever bar ½x14 inches. Attractively finished with genuine lacquer, preventing corrosion. Diameter screw 1 inch. Height over all closed 8 inches. Height over all extended 12¼ inches. Capacity 4 tons.

AB 25—Weight each 5¼ lbs.....Each \$2.19

Weight per box 35 lbs.

One-half dozen, 2 red, 2 blue and 2 green in a box.

#GEARED JACKS

SIMPLEX—SINGLE ACTING



For the easy handling of refrigerator and railroad cars, locomotives or for heavier industrial work.

Operates on down-stroke of lever, raising or lowering rack bar on each stroke of lever. Raising or lowering movement of rack bar is governed by indicator at side of jack. Straight grained hard maple pole.

Malleable iron standard and gear case, with drop carrying handles. Drop forged steel ratchet wheel pinion and cap. Chrome nickel steel rack bar and pawls. Steel bushings and keys. Bronze bearings. Crucible steel lever socket.

Heavy trunnion bearing and lever socket rotate in hardened steel. Closed-end, lubricant-retaining bushings. Grease cups provided where necessary. Pawls are locked under all circumstances so that load cannot be dropped. Lift 16½ inches. Height closed 27 inches. Rack bar 2¼x2 inches. Length pole 6 feet.

Lifting capacity 25 tons.

#AR 125—Weight each 165 lbs.....Each \$100.00

Packing—bulk.

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

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#TRACK JACKS

SIMPLEX

For heavy track, ballast and crossing work. Massive construction for hard, abusive work.

Recommended and adopted by the Roadmasters and Maintenance of Way Association for their efficiency, economy and construction.

The mechanism locks working parts in every position, preventing dropping of load.



Malleable iron standard. Drop forged steel rack bar and pawls. Steel bushings and keys. Crucible steel lever socket. Straight grained hard maple poles.

DOUBLE ACTING TRIP

Operates on up or down-stroke of lever and trips at any position. Lift 17½ inches. Height closed 29 inches. Rack bar 1¾x1½ inches. 5½-foot pole.

Lifting capacity 15 tons.

#AY 106S—Weight each 70 lbs.Each \$28.75

For bridge and construction work, public utilities, contractors, railroads, boiler and machinery movers and riggers.

SINGLE ACTING

Operates on down-stroke of lever.

Heavy trunnion bearing and lever socket rotate in hardened steel. Closed-end, lubricant retaining bushings. Reversing device and side changes directions of operation when revolved in half-circle.

Lift 11¼ inches. Height closed 22½ inches. Rack bar 1¾x1½ inches. 6-foot oval hickory pole.

Lifting capacity 15 tons.

#AY 24S—Weight each 91 lbs.....Each \$42.75

Packing—bulk.

#POLE JACKS

SIMPLEX—COMBINATION CRANE AND JACK

For pulling up telephone and telegraph poles. Also for railroad and industrial service.



Operates on down-stroke of lever and can be raised one notch at a time. Pivots on its own base from 30 to 90 degrees to the horizontal, and lifts, lowers, pushes and pulls at any angle.

Malleable iron standard and base. Standard rests on two curved shoulders. Held in position with studs. Drop forged steel lever sockets and pawls. Chrome nickel steel drop forged rack bar with corrugated cup and "V" notched side which will quickly engage wooden beams or boxes, and maintains firm contact against metal surfaces when pushing at any angle. Steel bushings and keys. Massive trunnion bearings and lever socket rotate in hardened steel. Closed-end, lubricant-retaining bushings. Lift 23 inches. Height, closed 29 inches. Rack bar 1½x1¼ inches.

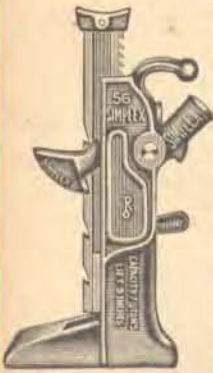
Complete with 8-foot steel chain with grab hook, 5-foot combination steel lever, pinch bar and car mover. Also one 2-foot, 25-lb. "I" beam base support 10 inches wide, to prevent slipping and act as a substantial foundation for base of jack where ground is soft or hollowed.

Lifting capacity 15 tons.

#AY 329—Weight each 95 lbs.....Each \$71.75

Packing—bulk.

INDUSTRIAL JACKS SIMPLEX—SINGLE ACTING



For automobile trucks, heavy cartage, tractors, agricultural and general service.

Operates on down-stroke of lever. The arc of travel of lever bar permits use under every type of truck or van or in confined spaces.

Malleable iron standard. Drop forged steel "H" beam rack bar with adjustable shoe that can be raised or lowered on rack, locking firmly at any position. Drop forged steel pawls. The mechanism locks working parts in every position, preventing dropping of load. Steel bushings and keys. Drop forged steel lever socket. Heavy trunnion bearing and lever socket rotate in hardened steel closed end, lubricant retaining bushings. Reversing lever on side changes direction of operation.

Lift 10½ inches. Height, closed 17 inches. Rack bar 2x1½ inches.

Complete with 5-foot steel lever bar.

Lifting Capacity 10 Tons

#AY 56S—Weight each 40 lbs.....Each \$27.50



For mining, agricultural and factory service.

Operates on down-stroke of lever. Highly efficient for severe duty.

Malleable iron standard. Drop forged steel rack bar and pawls. Pawls are interlocked, preventing dropping of load. Steel bushings and keys. Drop forged steel lever socket folds into vertical position when not in use. Heavy trunnion bearing and lever socket rotate in hardened steel closed-end lubricant-retaining bushings. Reversing device on side changes direction of operation when revolved in half-circle.

Lift 10½ inches. Height, closed 17 inches. Rack bar 1¼x1¼ inches.

Complete with 3-foot steel chisel point lever bar.

Lifting Capacity 5 Tons

#AY 85S—Weight each 32 lbs.....Each \$17.50

Packing—bulk.

CAR MOVERS

NEW BADGER—HEAVY DUTY



Made for extremely severe service. Only the finest tested materials used throughout. Will stand up under any conditions.

Fitted with long faced toggle that turns the wheels forward, combined with a high long stroke of handle that will move heavily loaded cars.

Certified malleable iron castings of highest tensile and ultimate strength. Slip-proof double construction spurs of special steel, rolled for the purpose and carefully hardened and oil drawn. Selected Wisconsin rock maple handle, straight grained and turned oversize.

Length over all 70 inches.

AY 2—Weight each 18 lbs.....Each \$8.75

Packing—bulk.

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BREAST CHAINS



AJAX—BRIGHT FINISH

Easily shortened by taking up the links successively and dropping one or more. The snap or saddle shaped connection in the center of the chain reduces the usually great wear of chain and neck yoke rings. The length of the center breast chain snap and end snaps are included in the measurement of the chain.

Nos.	Per Pair		Weight Per Dozen Pairs, Lbs.
	Length 28 Inches— $\frac{3}{32}$ Inch Wire		
AB 218	\$1.19		56
AB 220	Length 32 Inches— $\frac{3}{32}$ Inch Wire		62
	1.29		



WESTERN STANDARD, SINGLE

Steel chain, bright, welded twist links, with malleable iron toggles. 8 links to the foot. $\frac{1}{4}$ -inch wire.

26-8-2—Length 26 Inches

AB A—Weight per dozen pairs 32 lbs.....Per Pair \$0.59



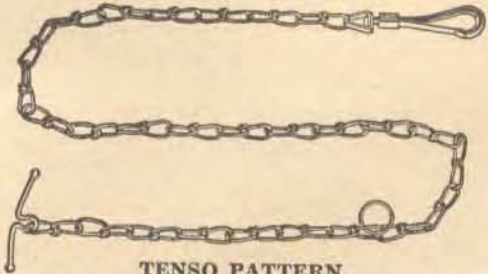
WESTERN STANDARD, DOUBLE, SLACK OR STAR
Steel chain, bright, welded twist links, with malleable iron toggles.

Length 26 inches, $\frac{1}{2}$ -inch wire.

AB D26—Weight per dozen pairs 40 lbs...Per Pair \$0.98

Packing—bulk.

HALTER CHAINS



TENSO PATTERN

Weldless steel chain, with welded ring. Wire toggle and snap.

LENGTH 4½ FEET—BRIGHT FINISH

Nos.	Each	Wire		Weight Doz., Lbs.
		Gauge,	Nos.	
AB 3/4½T	\$0.19	14	4	4
AB 6/4½T	.17	17	2¼	2¼

LENGTH 6 FEET—BRIGHT FINISH

AB 2/0-6T	.29	10	16
AB 0-6T	.23	11	11
AB 1-6T	.23	12	9
AB 2-6T	.23	13	7½
AB 4-6T	.19	15	5¼
AB 6-6T	.19	17	2¼

LENGTH 6 FEET—GALVANIZED FINISH—13-GAUGE WIRE

Nos.	Each	Wt. Per Doz., Lbs.		List, Each
AB 2-6TG	\$0.23	7½		\$4.00

Nos. AB 2/0-6T and AB 0-6T one-half dozen.

All other numbers one dozen in a carton.

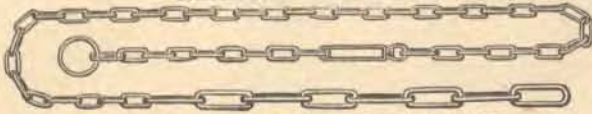
STRETCHER CHAINS



REGULAR PATTERN— $\frac{3}{8}$ -INCH WAGON
Welded straight links, forged hook. Bright finish. Length over all 60 inches. 5 links to the foot.
AB 38W—Weight per dozen 106 lbs.....Each \$1.49

500 lbs. in a cask.

TRACE CHAINS



No. AB XW—ELECTRIC WELDED
Steel chain, bright, straight links, welded ring. Malleable swivel.

Length, Feet	Per Pair	Actual No. Links to Ft.	Gauge Nos.	Size Wire, In.	Wt. Per Pair, Lbs.	Each Chain Tested to Lbs.
6½	\$0.79	8	2	¼	6¾	1000
7	.79	8	2	¼	7	1000
7	.98	8	1	⅜	9	1200
7	.89	10	2	¼	7¼	1100
7	1.10	10	1	⅜	9½	1400
7	\$1.49	10	0	⅞	12	1900
7½	1.10	8	1	⅜	10	1200
7½	1.59	10	0	⅞	12½	1900
8	1.69	10	0	⅞	13¼	1900

Note: When ordering—state number, length feet, number of links and gauge wire.

Six pairs of any size in a canvas bag, with size and quantity stenciled on outside of bag.

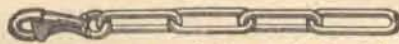
HEEL CHAINS



Steel chain, welded links. Bright finish. Malleable iron swivel dee, with screw pin. 6 links in a chain, ⅞-inch wire. Length over all 15 inches.

Nos.	Per Pair	Size Dee, Inches	Weight Per Doz. Pairs, Lbs.
AB 45/1½	\$0.69	1½	30
AB 45/1¾	.69	1¾	31

One dozen pairs in a bundle.



Steel chain, welded links. Bright finish with snap.

Four links in a chain, each ¾x3 inches inside. ⅞-inch wire. Yankee snap 4 inches long, with ¼-inch round eye. Length over all 15½ inches.

AB 25H—Weight per dozen pairs 25 lbs...Per Pair \$0.65



Steel chains, welded links. Bright finish. Wrought swivel. 8

links in a chain, each ½x2 inches inside. ⅞-inch wire. Length over all 18 inches.

AB 61/1—Weight per dozen pairs 32 lbs...Per Pair \$0.59

One dozen pairs in a bag.

TONGUE CHAINS



REGULAR PATTERN

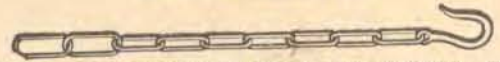
Steel chain. Welded links and rings bright finish. ⅞-inch wire. Straight links. Inside diameter rings 2½ inches. Length over all 33 inches.

AB ST—Weight per dozen pairs 68 lbs...Per Pair \$0.98

Packing—bulk.

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STAY CHAINS

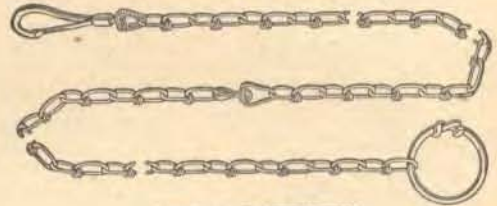


Steel chain, welded straight links. Bright finish. Forged hooks.

Nos.	Each	Size, Inch	Length of Chain, Inches	Wt. Per Dozen, Lbs.
AB 516	\$0.35	⅝	26	30
AB 38	.49	¾	26	39

Packing—bulk, about 500 lbs. in a barrel.

TIE-OUT CHAINS



TENSO PATTERN

Weldless steel wire chain. Strong ring, snap and swivel.

BRIGHT GALVANIZED FINISH

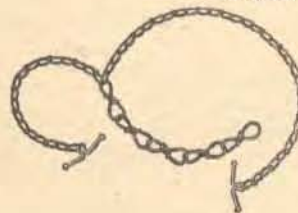
Nos.	Each	Wire Size	Lgth., Ft.	Wire Nos.	Doz. Barrel	Wt. Per Dozen, Lbs.
AB 3/030	\$0.98	3/0	30	9	6	74
AB 2/020	.59	2/0	20	10	11	44
AB 2/030	.89	2/0	30	10	7	64
AB 2/050	1.19	2/0	50	10	4½	105
AB 0/20	.49	0	20	11	12	34
AB 0/30	.59	0	30	11	9	49
AB 0/50	.98	0	50	11	5	81

BRIGHT FINISH

Nos.	Each	Wire Size	Lgth., Ft.	Wire Gauge	Doz. Barrel	Wt. Per Dozen, Lbs.
AB 2/020B	\$0.55	2/0	20	10	11	44
AB 2/030B	.79	2/0	30	10	7	64
AB 0/20B	.45	0	20	11	12	34
AB 0/30B	.59	0	30	11	9	49

One in a canvas bag.

COW TIES

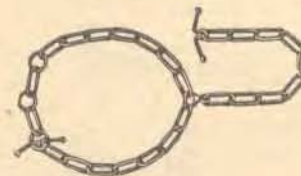


OHIO PATTERN

Tenso weldless wire chain with wire toggles. Bright finish. Neck-piece consists of 5 large links giving 5 adjustments. All large links on yoke side.

Nos.	Each	Size	Length, Feet	Gauge of Wire	Weight Per Dozen, Lbs.
AB A2/0	\$0.23	2/0	4½	10	16
AB A3/0	.27	3/0	4½	9	18

One-half dozen in a carton.



STANDARD EL-WEL-CO-TIE OHIO PATTERN

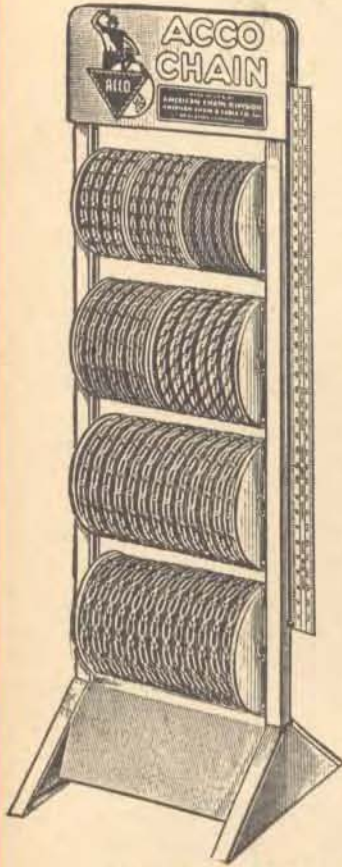
Smooth welded links Bright finish. Will not chafe. Wire toggles and three welded rings for adjustment. Malleable swivel

Nos.	Each	Size	Length, Feet	No. Links	Wt. Per Dozen, Lbs.
AB C2/0	\$0.25	2/0	4½	6	16
AB C3/0	.29	3/0	4½	6	19

Packing—bulk, about 25 dozen in a barrel.

CHAIN ASSORTMENT

Sells chain right off the reel! Here is a chain department in less than two square feet.



ACCO CHAIN Sales-maker

Displays your chain stock attractively and acts as a reminder to buy. The double-faced sign will be visible in nearly any position in your store.

Stand

Display rack heavy sheet steel welded together, lithographed blue with yellow lettering.

Height 53 inches, depth 18 inches, width 16 inches. Compact, easy to handle, long lasting. Chains are put up on reels to be placed on rack and unreel, measured and cut as desired.

Yardstick

A high-grade shellacked yardstick hangs conveniently from the side of the stand for measuring chain.

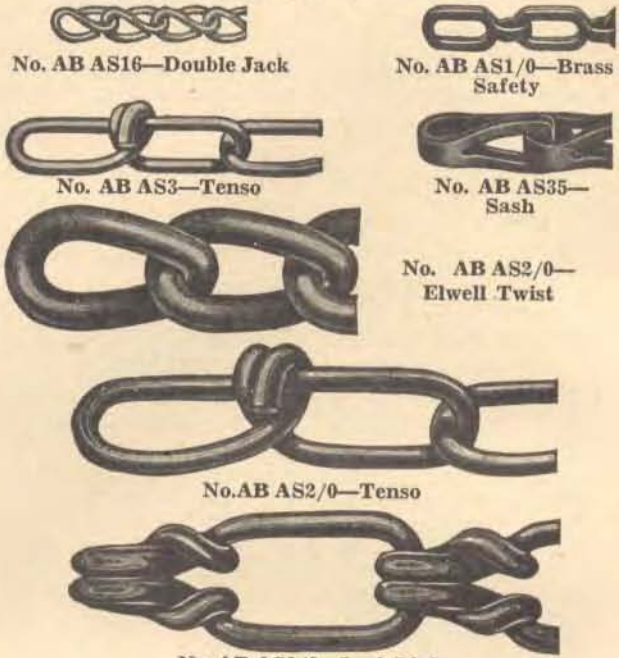
Chain Assortment

Consists of seven popular types and sizes of chains, one reel of each listed in next column.

Display Rack and Chain Assortment

AB 38—Weight—stand 25 lbs, chain 141 lbs.; complete 166 lbs.

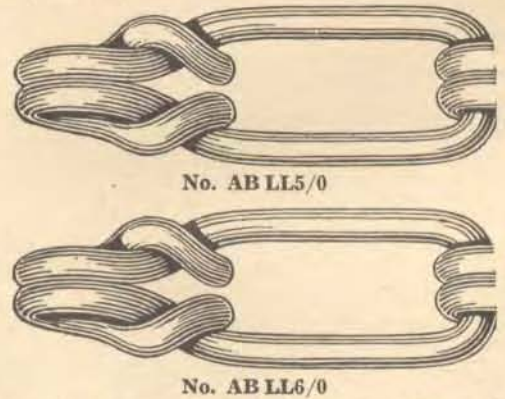
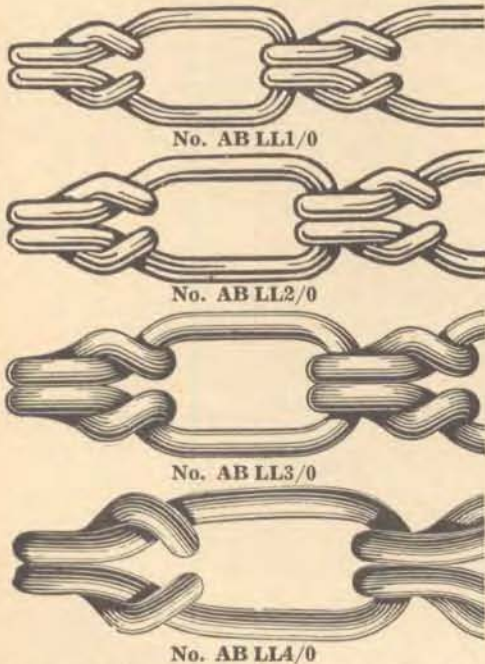
Illustrations are actual size



Nos.	Per Ft.	Quantity, Ft.	Finish	Weight Per Reel, Lbs.	Tensile Strength, Lbs.
AB AS16	\$0.03	200	SRP	9	25
AB AS1/0	.06	200	Bright or Plain	5	150
AB AS3	.05	200	SRP	14	375
AB AS35	.05	100	SRP	7	500
AB AS2/0	.05	175	SRP	33	1205
AB AS2/0TG	.12	75	SRP	28	1510
AB AS3/0	.08	125	SRP	35	1753

COIL CHAIN

For many general uses, such as light conveyors, rolling shutters, folding doors. Lies flat, is smooth, flexible and permits many adjustments.



LOCK LINK PATTERN. WELDLESS—S.R.P. FINISH

Nos.	Per Ft.	Gauge (W. & M.)	Tensile Strength, 100 Ft., Lbs.	Wt. Per Lbs.
# AB LL1/0	\$0.04 1/4	11	1055	17
# AB LL2/0	.04 3/4	10	1545	21
# AB LL3/0	.06	9	1753	26
# AB LL4/0	.07	8	1915	31
# AB LL5/0	.08 1/2	7	2440	35
# AB LL6/0	.10	6	2940	41

100 feet in a carton.

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COIL CHAIN

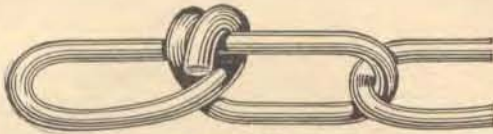
TENSO PATTERN



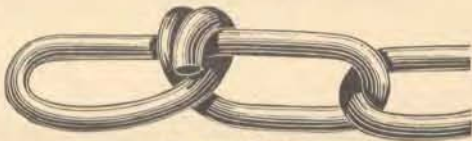
ON REELS

Hot galvanized wire weldless chain, durable and rustproof. Uniform and smooth. Adaptable to a variety of uses, such as for porch swings, hammocks, boats, halters, tie-out and well chains.

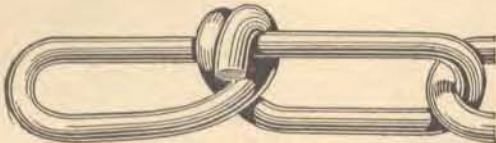
In reels of 250 feet, in wire-bound crate from which chain can be unreel without removing reel from crate.



No. AB GR1/0



No. AB GR2/0



No. AB GR3/0

Nos.	AB GR1/0	AB GR2/0	AB GR3/0
Size	0	2/0	3/0
Wire Gauge Nos.	11	10	9
Size Links, In.	2	2 1/8	2 1/2
Wt. Per Reel, Lbs.	40	50	60
Tensile Strength, Lbs.	1000	1205	1280
Per Foot	\$0.04 1/2	.04 3/4	.06

250 feet on a reel.

WELL CHAIN



GALVANIZED 8-GAUGE WIRE, WITH WELDED JOINTS—LINKS TWISTED

AB 1W—Weight per 100 feet 25 lbs.....Per foot \$0.07 1/2

500 to 600 feet in a keg.

PUMP CHAIN



No. 6-gauge wire. Without buttons.

GALVANIZED AFTER MAKING

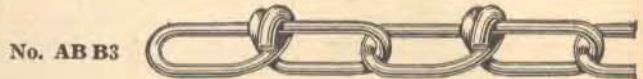
AB G100—Weight per 100 feet 27 lbs.....Per foot \$0.04

100 lbs. in a bag.

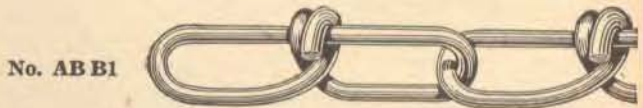
A general purpose chain suitable for porch swings, for general hardware manufacturing and agricultural purposes.



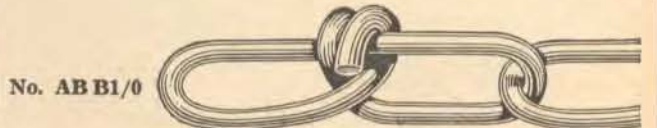
No. AB B5



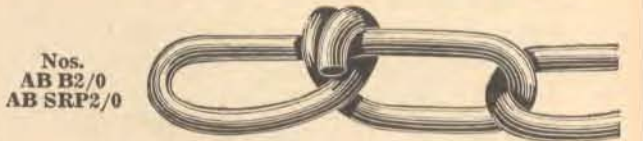
No. AB B3



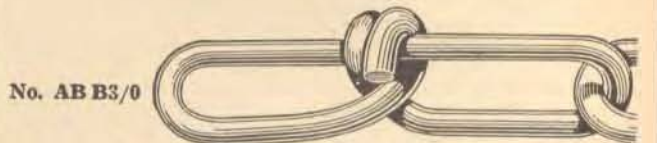
No. AB B1



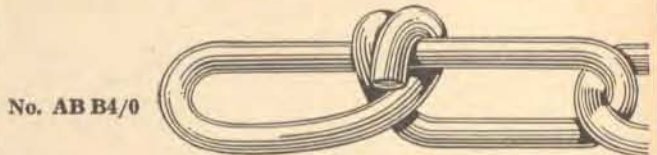
No. AB B1/0



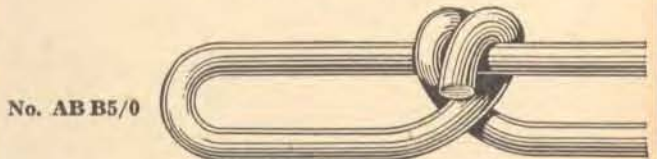
Nos. AB B2/0
AB SRP2/0



No. AB B3/0



No. AB B4/0



No. AB B5/0

BRIGHT FINISH

Nos.	Per Foot	Gauge Nos. (W. & M.)	Tensile Strength, Lbs.	Weight Per 100 Feet, Lbs.
# AB B5	\$0.02 1/2	16	260	3 1/2
AB B3	.02 1/2	14	375	5 3/4
AB B1	.02 3/4	12	785	10
AB B1/0	.03	11	1000	13
AB B2/0	.03 1/2	10	1205	17
AB B3/0	.04	9	1280	20
# AB B4/0	.04 3/4	8	1500	23
# AB B5/0	.06	7	1850	26

100 feet in a package.

GALVANIZED AFTER MAKING—TEN GAUGE WIRE (W. & M.)—TENSILE STRENGTH 600 LBS.

AB SRP2/0—Weight per 100 feet 17 lbs.Per Foot \$0.03

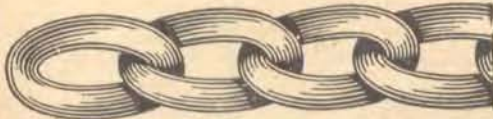
250 feet in a carton.

SOLD ONLY IN FULL LENGTHS.

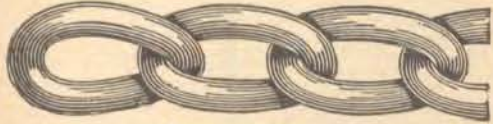
Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

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MACHINE CHAIN



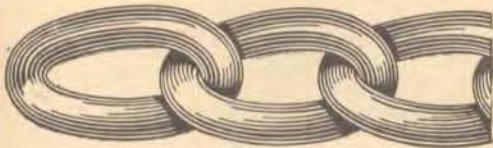
No. AB M1



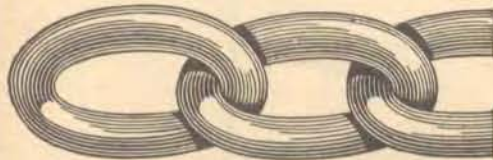
No. AB M1/0



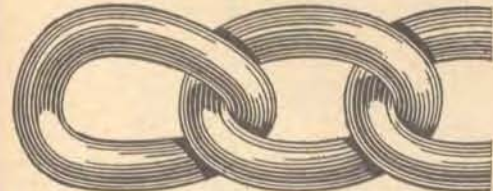
No. AB M2/0



No. AB M3/0



No. AB M4/0



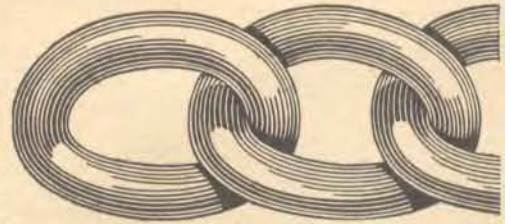
No. AB M5/0

Electrically welded. All welds smoothly trimmed to size of wire. Full strength of chain retained. For cut-out chain on windmills, on trucks and for many other purposes where a short-twist link chain is needed.

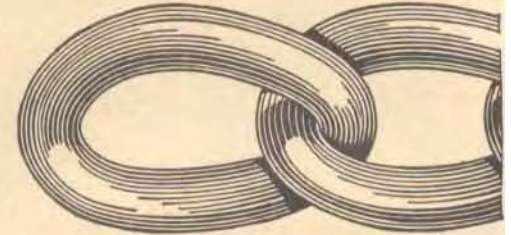
Nos. AB M2 to AM M6/0—100 feet in a carton.

Nos. AB M7/0 and AB M9/0—100 foot lengths bulk.

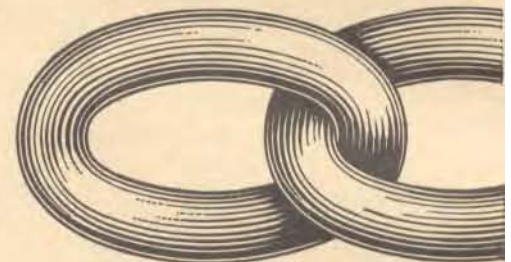
Sold Only in Full Lengths



No. AB M6/0



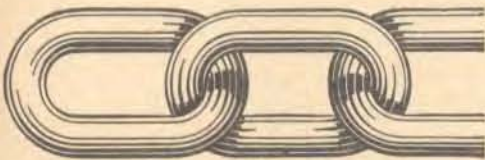
No. AB M7/0



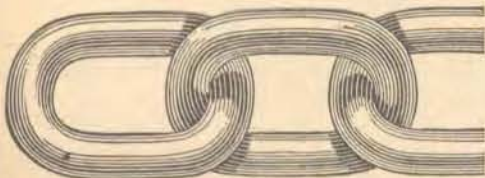
No. AB M9/0

Nos.	Per Foot	Size	Gauge No.	Diam. Wire, In.	No. Links to Foot	Tensile Stgth., 100 Ft., Lbs.	Weight Per 100 Lbs.
AB M1	\$0.07½	1	8	⅝+	20½	1140	25
AB M1/0	.08	1/0	7	⅞	17½	1310	29
AB M2/0	.08	2/0	6	⅞	16½	1510	34
AB M3/0	.08½	3/0	5	⅞	15	1760	40
AB M4/0	.09½	4/0	..	⅞	14¾	1990	50
AB M5/0	.14½	5/0	..	¾	14	2660	64
# AB M6/0	.17	6/0	..	¾	13	3420	78
# AB M7/0	.20	7/0	..	¾	10¾	4260	94
# AB M9/0	.27	9/0	..	¾	9¾	6060	136

PASSING LINK CHAIN



No. AB PL2/0



No. AB PL3/0

Used largely for tying out cattle and for other agricultural and general utility purposes.

The links of this chain are especially wide permitting free action and the passing of one link by the other. Will not kink.

ELECTRIC WELDED STEEL—BRIGHT FINISH 14 LINKS TO THE FOOT

Nos.	Per Foot	Wire Gauge, Nos.	Size, In.	Wt. Per 100, Lbs.
AB PL2/0	\$0.08½	2/0	¾	33
AB PL3/0	.09	3/0	⅞	39

100 feet in package.

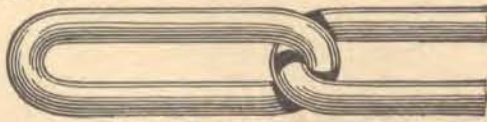
SOLD ONLY IN FULL LENGTHS

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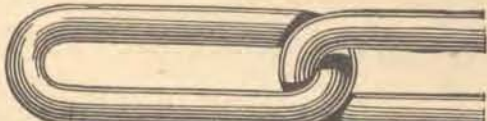
COIL CHAIN

STRAIGHT LINK

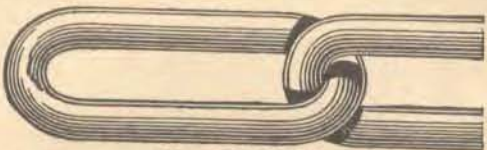
A general utility chain where strength and compactness are required.



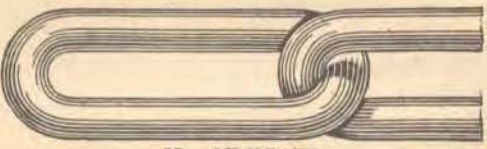
No. AB ES/1/0



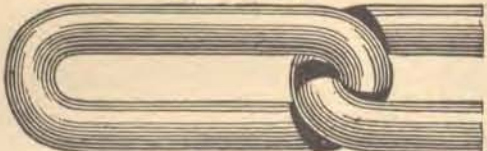
No. AB ES/2/0



No. AB ES/3/0



No. AB ES/4/0



No. AB ES/5/0

Electric welded. All welds smoothly trimmed to size of wire. Full strength of chain retained.

BRIGHT FINISH

Nos.	Per Foot	Gauge Nos.	Size, In.	Tensile Wt.	
				Str'gth, Lbs.	100 Lbs.
# AB ES/1/0	\$0.05½	1/0	1¼	1240	23
AB ES/2/0	.06	2/0	¾	1430	27
AB ES/3/0	.06¼	3/0	1¾	1670	32
AB ES/4/0	.06¾	4/0	1½	1890	35
# AB ES/5/0	.08	5/0	¾	2530	47

100 Feet in a carton.

SOLD ONLY IN FULL CARTONS

METHOD OF DETERMINING SIZE OF CHAIN NECESSARY FOR LIFTING ANY GIVEN WEIGHT

This scale is in conformity with the requirements of the United States and British Naval Departments.

Take, for example, any article weighing 1,350 lbs. To find size of chain necessary to lift this weight (1,350 lbs.), divide by the number of sheaves at the movable block, which is two sheaves and add one-third of amount for friction, which will give you 900 lbs., weight to be lifted, which is one-half of the test strain. Multiply 900 by 2, which will give you 1800 lbs. test strain. Then if you will refer to your table you will find the test strain given is for ¾-inch chain.

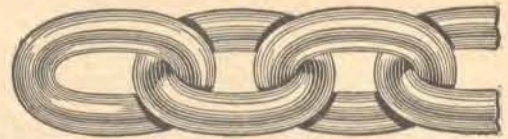
Safe working load should be about one-half the above proof tests.

The breaking strain is about double the above proof tests.

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WELDED COIL CHAIN



Steel chain, electric welded. Tested to loads shown below. Safe working load one-half of proof test. Average breaking strain double the proof test.

STANDARD—STRAIGHT LINK PROOF GRADE—SELF-COLORED

Nos.	Per Lb.	Size, Inch	Links Per Foot	Wt. Per	
				Proof Test, Lbs.	100 Ft., Lbs.
AB SS¾	\$0.17	¾	12½	1045	40
AB SS¼	.16½	¾	12	1800	70
AB SS½	.15	¾	10¾	2720	105
AB SS¾	.14	¾	9¾	3720	158
AB SS7/16	.13½	¾	8¾	5000	210
AB SS½	.13½	¾	8	6600	275
AB SS¾	.13½	¾	6¾	10000	410

PROOF GRADE—BRIGHT

Nos.	Per Lb.	Size, Inch	Links Per Foot	Wt. Per	
				Proof Test, Lbs.	100 Ft., Lbs.
AB SB¾	\$0.18	¾	12½	1045	40
AB SB¼	.17	¾	12	1800	70
AB SB½	.16	¾	10¾	2720	105
AB SB¾	.15	¾	9¾	3720	158

B. B. B. GRADE

This chain is closer link than proof grade; specially made only by experienced chain makers. Recommended where great strength and durability are required.

Self-Colored

Nos.	Per Lb.	Size, Inch	Links Per Foot	Wt. Per	
				Proof Test, Lbs.	100 Ft., Lbs.
AB BBB¼	\$0.18	¾	14	2250	78
AB BBB½	.17	¾	12	3400	115
AB BBB¾	.16	¾	11	4650	166

Polished or Bright

Nos.	Per Lb.	Size, Inch	Links Per Foot	Wt. Per	
				Proof Test, Lbs.	100 Ft., Lbs.
AB BBB¼P	\$0.19	¾	14	2250	78
AB BBB½P	.18	¾	12	3400	115
AB BBB¾P	.17	¾	11	4650	166

1,000 lbs. in a cask.

STEEL LOADING CHAIN

For lumbering and oil field purposes. Guaranteed to pull stiff before breaking. High grade steel, very close link, with long-lap swelled weld.



BRIGHT FINISH

Nos.	Per Foot	Size, In.	Links per Ft.	Proof Test, Lbs.	Wt.	
					100 Pulls Stiff, Lbs.	100 Lbs., Lbs.
AB A¼	\$0.41	¼	14¾	2400	4500	90
AB A¾	.43	¾	13¾	2950	5600	110
AB A½	.45	½	12¾	3500	6800	130
AB A¾	.48	¾	10¾	4900	9300	175

1000 lbs. in a cask.

STEEL LOADING CHAIN

"ACCO" E-W GRADE

For lumbering and oil field purposes.
Guaranteed to pull stiff before breaking.
High grade steel, electric welded. Links are smooth and easy to handle.



BRIGHT FINISH

Nos.	Per Foot	Size, In.	Links per Ft.	Proof Test, Lbs.	Wt. 100 Ft., Lbs.
# AB ACCO 3/16	\$0.18	3/16	18 1/2	1600	45
# AB ACCO 7/32	.23	7/32	17	2000	60
# AB ACCO 1/4	.24	1/4	15	2500	75
# AB ACCO 9/32	.27	9/32	13 1/2	3000	95
# AB ACCO 5/16	.29	5/16	12 1/2	3500	110
# AB ACCO 3/8	.36	3/8	10 1/2	5000	160
# AB ACCO 7/16	.45	7/16	9 1/2	7000	215
# AB ACCO 1/2	.55	1/2	9	9000	285

Pulls stiff at approximately twice the proof test.
1000 lbs. in a cask.

COIL LOG CHAINS



STANDARD — SELF-COLORED
With swivel, slip and grab hooks.

Nos.	Each	Length, Feet	Size, In.	Wt. Each, Lbs.
# AB 10 1/4	\$1.39	10	1/4	8
# AB 12 1/4	1.59	12	1/4	9
AB 10 3/16	1.79	10	3/16	11
AB 12 3/16	1.89	12	3/16	13
AB 14 3/16	2.59	14	3/16	15
AB 16 3/16	2.89	16	3/16	17
AB 10 3/8	2.59	10	3/8	17
AB 12 3/8	2.98	12	3/8	20
AB 14 3/8	3.59	14	3/8	23
AB 16 3/8	3.98	16	3/8	26
AB 12 7/16	3.98	12	7/16	26
AB 14 7/16	4.50	14	7/16	30
AB 16 7/16	4.98	16	7/16	34
# AB 10 1/2	3.98	10	1/2	28
# AB 12 1/2	4.98	12	1/2	33
# AB 14 1/2	5.75	14	1/2	39
# AB 16 1/2	6.50	16	1/2	44

1000 lbs. in a cask.

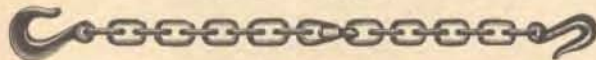


SPECIAL — SELF-COLORED

Long (trace chain) Links. With slip and grab hooks.
Length 12 feet. 7/16 inch iron.

AB 5612—Weight each 10 lbs.....Each \$1.19

1000 lbs. in a cask.



GENERAL PURPOSE UTILITY—SELF-COLORED

Long (trace chain) Links, with swivel, slip and grab hooks.

Nos.	Each	Length, Ft.	Size, In.	Wt. Each, Lbs.
AB 5612WS	\$1.29	12	3/16	10
AB 3814WS	2.29	14	3/8	16 1/2

1000 lbs. in a cask.

LOG CHAIN GRAB HOOKS

Drop forged from special steel, natural finish.

GRAB HOOKS For Coil Log Chain

Nos.	Each	For Chain, In.	Wt. per Doz., Lbs.
AB 100 1/4	\$0.07	1/4	3 1/2
AB 100 5/16	.09	5/16	6
AR 100 3/8	.10	3/8	11
AB 100 7/16	.15	7/16	15
AB 100 1/2	.25	1/2	25

SLIP HOOKS For Coil Log Chain

Nos.	Each	For Chain, In.	Wt. per Doz., Lbs.
AB 200 1/4	\$0.07	1/4	3
AB 200 5/16	.09	5/16	4
AR 200 3/4	.10	3/4	8
AB 200 7/16	.15	7/16	11
AB 200 1/2	.25	1/2	16

Packing—bulk.

LOG CHAIN SWIVELS

Malleable Iron — Polished

Nos.	Each	For Eye, In.	For Ch'n, In.	For R'ch, In.	Wt. per Doz., Lbs.
AB 5	\$0.10	3/16	1/4	2 3/16	3
AB 10	.10	3/16	3/16	2 1/2	4
AB 15	.19	1/2	3/8	3 3/8	7
AB 20	.25	5/16	7/16	3 1/2	10
AB 25	.25	1 1/16	1/2	3 5/8	12

Packing — bulk.

LOAD BINDERS

Used to bind loads of logs, lumber, hay, pipe, oil field supplies, telephone poles.

Takes up the slack after chain has encircled the load.

STACY'S IMPROVED SWIVEL

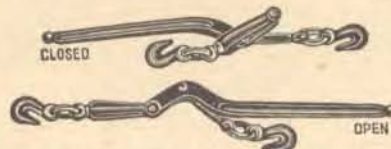
Jumbo Size



Made entirely of malleable iron. Natural finish. Swivel on each hook prevents twisting and breaking of chain.

Will fit chain with links 1/16 to 1/2 inch in diameter. Will take up about 5 inches of slack.

AB 2J—Weight per pair 20 lbs.....Per Pair \$5.95



Malleable iron throughout with swivel on each hook. Prevents twisting and breaking of chain.

Can be drawn as tightly as desired and has ample strength to break the chain.

Fits any chain from 1/4 to 7/16 inch in diameter of link. Length of handle 20 inches. Will take up slack to about 5 inches, which is enough to bind any load. With lumber or logs, three inches is sufficient.

AB GLB—Weight per pair 15 lbs.....Per Pair \$5.45

Packing—bulk.

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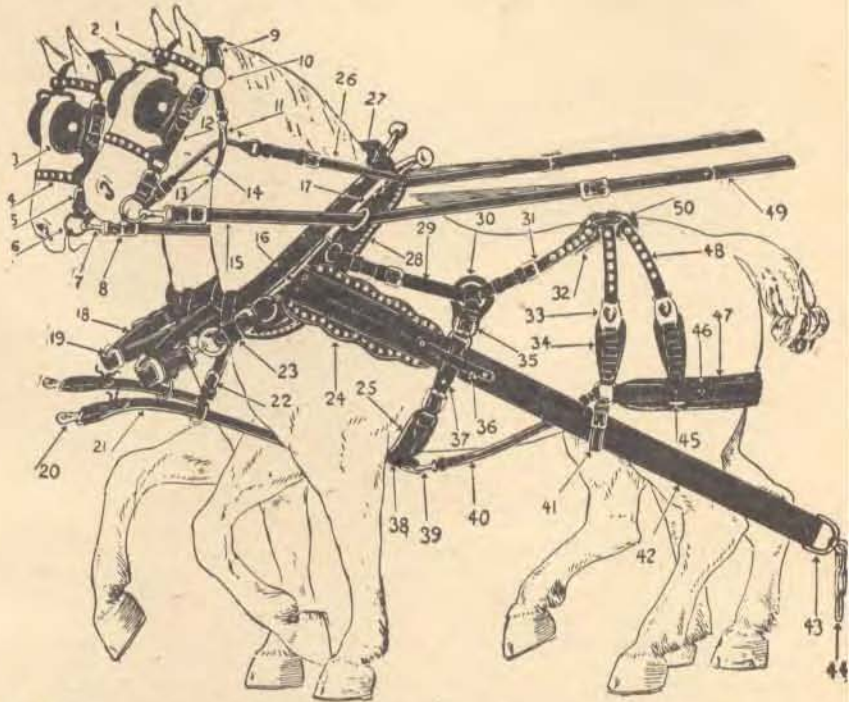
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CORRECT NAME OF HARNESS PARTS

This page illustrates and gives the standard names of the various parts of harness and will assist our customers materially when ordering harness or harness parts.

APPLIES TO TEAM HARNESS ONLY

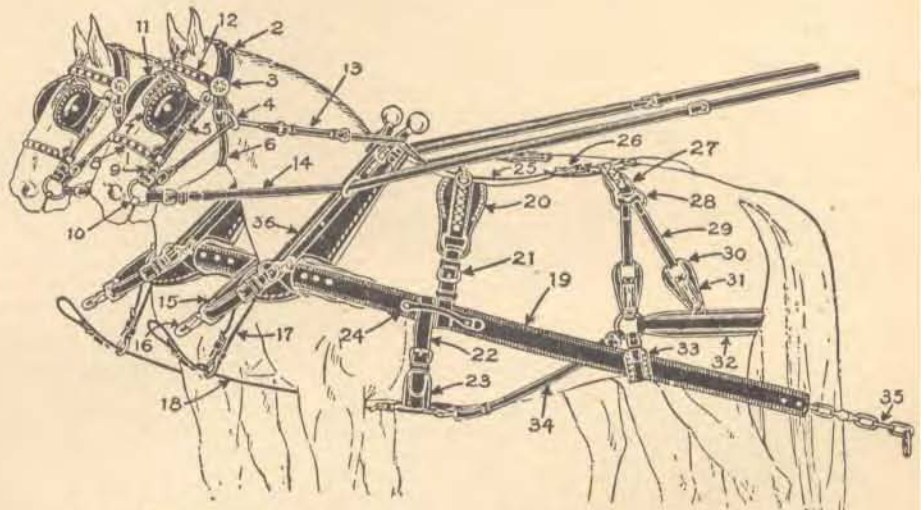
1. Bridle Front (Spotted).
2. Winker Brace.
3. Blind or Winker.
4. Nose Band (Spotted).
5. Bit Strap.
6. Ring Bit.
7. Bolt Snap on Check Line.
8. 1880 Buckle on Check Line.
9. Brow Band or Crown.
10. Rosette.
11. Gag Runner.
12. Bridle Cheek.
13. Throat Latch.
14. Side Check.
15. Check Line—Front Part.
16. Bolt on Hame.
17. Long Spot on Hame.
18. Breast Strap.
19. Common Slide on Breast Strap.
20. Anchor Roller Snap.
21. Pole Strap.
22. Collar Strap.
23. Breast Strap Lengthener.
24. Safe on Trace.
25. Belly Band.
26. Side Check—Back Part.
27. Top Collar Pad.
28. Collar.
29. Back Strap—Front Part.
30. Safe on Market Tug.
31. Back Strap—Back Part.
32. Rump Safe.
33. Buckle Shield.
34. Uptug Safe.
35. Market Tugs.
36. Loop on Trace.
37. Belly Band Billet.
38. Safe on Pole Strap.



39. Bolt Snap on Long Side Strap.
40. Long Side Strap.
41. Lazy Strap.
42. Trace.
43. 3-Link Toggle.
44. Links on Toggle.

45. Layer Loop.
46. Layer on Breeching Seat.
47. Breeching Seat or Fold.
48. Hip Strap (Spotted).
49. Check Line—Hand Part.
50. Trace Carrier.

1. Bridle (Complete).
2. Crown Piece.
3. Rosette.
4. Gag Runner.
5. Cheek—Short or Broken.
6. Throat Latch.
7. Blind (Cup).
8. Nose Band.
9. Bit Strap.
10. Bridle Bit.
11. Winker Stay (Forked).
12. Front or Brow Band.
13. Bridle Rein (Round Side).
14. Check Lines.
15. Breast Strap.
16. Roller Snap.
17. Collar Strap.
18. Choke Strap.
19. Traces or Tugs (Double and Stitched).
20. Team Pad or Back Band.
21. Market Strap.
22. Belly Band Billet.
23. Belly Band.
24. Stay Strap.
25. Turnback or Back Strap.
26. Buckle on Rump.
27. Drop.
28. Trace Carrier.

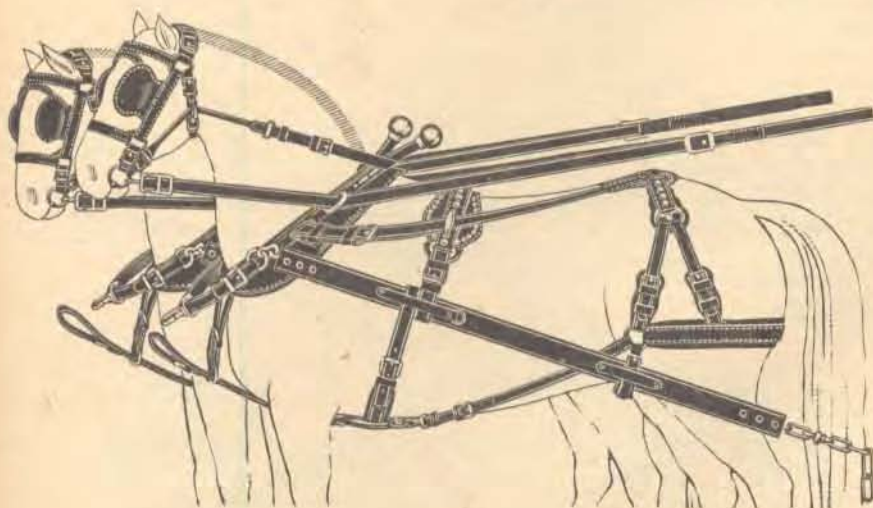


29. Hip Strap.
30. Buckle Shield.
31. Up Tugs or Lead Ups (Box Loop).
32. Breeching Body or Bands.

33. Trace Carriers or Lazy Strap.
34. Side, Hold Back or Quarter Strap.
35. Clip Swivel Heel Chains.
36. Hames.

TEAM HARNESS

The Finest Quality and Workmanship. Choice of Latigotan or Black Leather.



Ball Top Hames, Clip Traces,
Without Collars

LATIGOTAN LEATHER

AB 371 $\frac{3}{4}$ —With 1 $\frac{3}{4}$ -inch doubled
and stitched traces.

Per Set \$68.75

AB 372 $\frac{1}{2}$ F—With 2 $\frac{1}{2}$ -inch folded
traces Per Set \$71.75

BLACK LEATHER

AB 2371 $\frac{3}{4}$ —With 1 $\frac{3}{4}$ inch doubled
and stitched traces.

Per Set \$68.75

AB 2372 $\frac{1}{2}$ F—With 2 $\frac{1}{2}$ -inch folded
traces Per Set \$71.75

One set in a wood box.
Weight per set 80 lbs.

DESCRIPTION

LATIGOTAN LEATHER

L62B1 $\frac{1}{2}$ Belly Bands—1 $\frac{1}{2}$ inches. Folded, with pieced layer. Roller buckles and leather loop. Sewed.

L3J1 $\frac{1}{2}$ H Breast Straps—with hardware. 1 $\frac{1}{2}$ -inch single strap. Twin loop and roller buckle, riveted. End snaps and center roller snap.

L97 Breeching Bodies—2 $\frac{1}{2}$ -inch single strap, with 1 $\frac{1}{2}$ -inch layer. Sewed up-tugs, with safes and leather loops.

L84 Bridles—Folded, adjustable ring crown. $\frac{3}{8}$ -inch doubled and stitched cheeks. $\frac{3}{8}$ -inch nose band. $\frac{3}{8}$ -inch bit straps, twin loop, riveted. Cupped blinds. Combination doubled and stitched front and winker. $\frac{3}{8}$ -inch throat strap. $\frac{3}{8}$ -inch long round reins. Jointed bits.

L20 Choke Straps—1 $\frac{1}{4}$ inches. Sewed, with reverse buckle in rear end. Loop for belly band. Loose slide for collar strap. Buckle and billet at front end.

L151 Collar Straps—1 inch wide. Heavy single strap. Twin loop and roller buckle, riveted.

522C Hames—Ball top, clip.

L1024A1 Hame Straps—1x24-inch top. Riveted twin loop and roller buckle.

L10A1 Hame Straps—1x21-inch bottom. Twin loop and roller buckle, riveted.

L2771 $\frac{1}{4}$ Lazy Straps—1 $\frac{1}{4}$ -inch single strap, with 2 $\frac{1}{4}$ -inch safe, roller buckle and reverse loop, sewed. Outside safe spotted.

L41889/18/1 $\frac{1}{4}$ Lines—1 $\frac{1}{4}$ inches by 18 feet, stitched laps. No. 1880 buckles and flat spring snap at bit end. No. 200 line buckle on short checks. 9-foot inside checks.

L821 Pads with Market Straps—5 inches. Swell harness leather top and bottom. 1 $\frac{1}{2}$ -inch layer with dee in each end. 1 $\frac{1}{2}$ -inch double market straps. Side bridges for divided turnbacks.

L3/1 $\frac{1}{4}$ Side Straps—1 $\frac{1}{4}$ inches. Single reverse in breeching dee. Economy buckle with spring snap at front and economy buckle at rear.

LLSC Spread Straps— $\frac{5}{8}$ inch, riveted. With 1 $\frac{3}{4}$ -inch celluloid ring.

L246/1 $\frac{3}{4}$ Traces—Doubled and stitched. 1 $\frac{3}{4}$ inches by 6 feet. Three-ply solid harness leather. Three rows stitching. Scalloped safes at hame end. Flat stay straps and 1 $\frac{1}{2}$ -inch belly band billets. No. 60 heel chain clipped on.

L567 Traces—Folded, 2 $\frac{1}{2}$ inches by 6 feet, stitched at each end, open in centers. 1 $\frac{1}{2}$ -inch belly band billets. Flat stay straps to hold market straps and belly band in place. With dee for side straps. No. 60, 18-inch heel chain clipped on.

L1534 Turnback and Hip Straps—1 $\frac{1}{4}$ inches. Divided turnback to hames. 1 $\frac{1}{4}$ -inch hip straps sewed to japanned side trace carrier. Double and stitched rump drop. Fancy spotted.

BLACK LEATHER

B62B1 $\frac{1}{2}$ Belly Bands—1 $\frac{1}{2}$ inches. Folded, with pieced layer. Roller buckles and leather loop, sewed.

B3J1 $\frac{1}{2}$ H Breast Straps—with hardware. 1 $\frac{1}{2}$ -inch single strap. Twin loop and roller buckle, riveted. End snaps and center roller snap.

B97 Breeching Bodies—2 $\frac{1}{2}$ -inch single strap, with 1 $\frac{1}{2}$ -inch layer. Sewed up-tugs with safes and leather loops.

B84 Bridles—Folded, adjustable ring crown. $\frac{3}{8}$ -inch doubled and stitched cheeks. $\frac{3}{8}$ -inch nose band. $\frac{3}{8}$ -inch bit straps, twin loop, riveted. Cupped blinds. Combination doubled and stitched front and winker. $\frac{3}{8}$ -inch throat strap. $\frac{3}{8}$ -inch long round reins. Jointed bits.

B20 Choke Straps—1 $\frac{1}{4}$ inches. Sewed with reverse buckle in rear end. Loop for belly band. Loose slide for collar straps. Buckle and billet at front end.

B151 Collar Straps—1 inch wide. Heavy, single strap. With twin loop and roller buckle, riveted.

522C Hames—Ball top, clip. Weight per set 6 $\frac{1}{2}$ lbs.

B1024A1 Hame Straps—1x24-inch top. Riveted twin loop and roller buckle.

B10A1 Hame Straps—1x21-inch bottom. Riveted twin loop and roller buckle.

B2771 $\frac{1}{4}$ Lazy Straps—1 $\frac{1}{4}$ -inch single strap, with 2 $\frac{1}{4}$ -inch safe, roller buckle and reverse loop, sewed. Outside safe spotted.

B41889/18/1 $\frac{1}{4}$ Lines—1 $\frac{1}{4}$ inches by 18 feet, stitched laps. No. 1880 buckles and flat spring snap at bit end. No. 200 line buckle on short checks. 9-foot inside checks.

B821 Pads with Market Straps—5 inches. Swell harness leather top and bottom. 1 $\frac{1}{2}$ -inch layer with dee in each end. 1 $\frac{1}{2}$ -inch double market straps. Side bridges for divided turnbacks.

B3/1 $\frac{1}{4}$ Side Straps—1 $\frac{1}{4}$ inches. Single reverse in breeching dee, with economy buckle and spring snap at front end and economy buckle at rear.

BLSC Spread Straps— $\frac{5}{8}$ inch, riveted. With 1 $\frac{3}{4}$ -inch celluloid ring.

B246/1 $\frac{3}{4}$ Traces—Doubled and stitched. 1 $\frac{3}{4}$ inches by 6 feet. Three-ply solid harness leather. Three rows stitching. Scalloped safes at hame end. Flat stay straps and 1 $\frac{1}{2}$ -inch belly band billets. No. 60 heel chain clipped on.

B567 Traces—Folded, 2 $\frac{1}{2}$ inches by 6 feet, stitched at each end, open in centers. 1 $\frac{1}{2}$ -inch belly band billets. Flat stay straps to hold market straps and belly band in place. With dee for side straps. No. 60, 18-inch heel chain clipped on.

B1534 Turnback and Hip Straps—1 $\frac{1}{4}$ inches. Divided turnback to hames. 1 $\frac{1}{4}$ -inch hip straps sewed to japanned side trace carrier. Double and stitched rump drop. Fancy spotted.

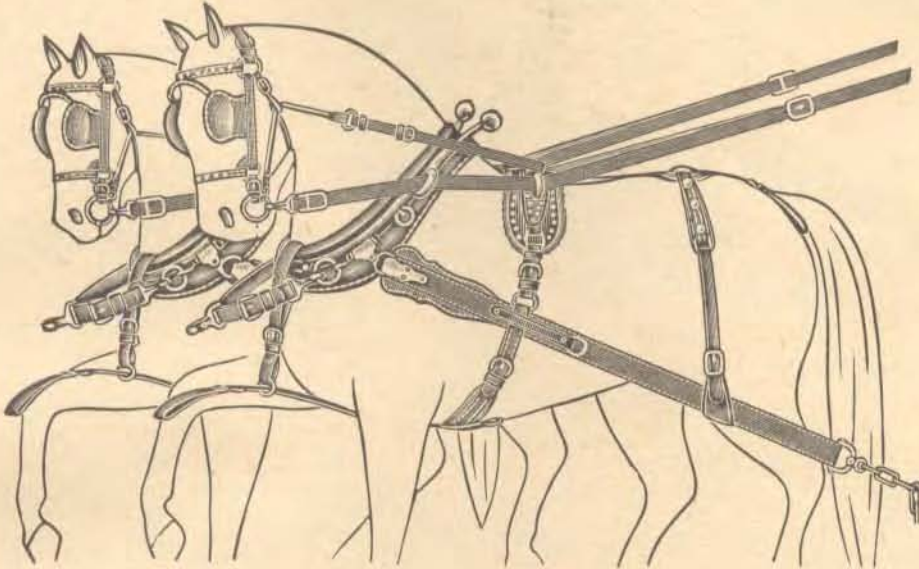
Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

#TEAM HARNESS

BLACK LEATHER—JAPANNED TRIMMED

A popular type of harness in midwestern states! Specially designed to be the best you can buy for the money! Fine quality black oak tanned leather of high tensile

strength, durable, rust-proofed hardware and careful attention to every detail of construction make these sets leaders in their price range.



PLAIN EDGE

Hames With Traces Bolted On

#AY 1603—With Hames, Without Collars. Weight per set 75 lbs. Per Set \$49.95

One set in a wood box.

DESCRIPTION

Bridles—1-inch check. 1¼-inch ring crown. ¼-inch round side reins. ¼-inch flat centers. Harness leather cup blinds. Combination front and winkers. ¼-inch throat straps with swivels riveted. ¼-inch bar buckle bit straps, ⅞-inch nose band. No. 47 joint bits.

Hames—Steel, bolt, ball top.

Hame Straps—⅞-inch leather loop and roller buckles.

Spread Straps—⅞-inch. One ring.

Traces—Heavy 3-ply, 1½-inch by 6 feet. Two rows stitching. Scalloped safe at front end with jointed clips for bolt hames. Flat stay straps. No. 45 6-link heel chains. 1½-inch belly band billets.

Belly Bands—Folded, 1½-inch layer. Roller buckles and leather loops.

Pads—5-inch swell harness leather housing. Felt lined. Pinked edges. 1½-inch layer, dees in end. 1½-inch market straps. Roller buckles and leather loop. Dwight hook and terrets. Spots around edge.

Lines—1½-inch by 18 feet, with No. 1880 rein buckles and flat spring snaps.

Hip Straps and Turnbacks No. 274—1½-inch turnback to go to pads. Folded crupper to buckle on crupper fork. 1¼-inch wide hip straps with safes at top sewed to top trace carrier. 2½-inch wide trace loops to buckle on.

Breast Straps, Colorado—1½-inch wide. Roller buckle and leather loops. Flat spring end snaps. Roller center snaps.

Choke Straps No. 18—1½-inch ring in rear end. Loop for belly band. Roller buckle and leather loop on front end. Loose slide for collar straps.

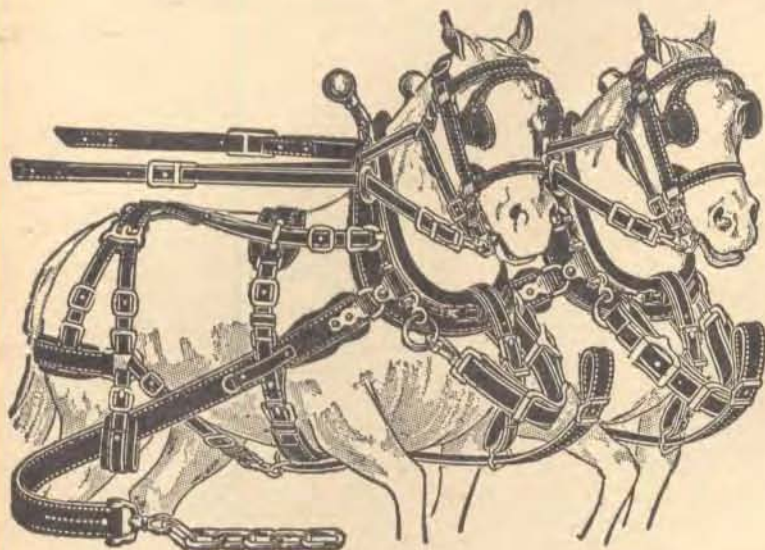
Collar Straps No. 152—1-inch leather loop and roller buckle.

#Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

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TEAM HARNESS

The Finest Quality and Workmanship. Choice of Latigotan or Black Leather.



Hames, With Traces Bolted on,
Without Collars

LATIGOTAN LEATHER

AB 62½S—With 1½-inch traces.
Per Set \$63.75

AB 62¼S—With 1¼-inch traces.
Per Set 64.75

BLACK LEATHER

AB 262½S—With 1½-inch traces.
Per Set \$63.75

AB 262¼S—With 1¼-inch traces.
Per Set 64.75

One set in a wood box.
Weight per set 85 lbs.

DESCRIPTION

LATIGOTAN LEATHER

L62B1½ Belly Bands—1½ inches. Folded, with layer. Roller buckles and leather loops, sewed.

L3J1½H Breast Straps—With hardware. 1½-inch single strap. Twin loop and roller buckle, riveted. End spring snap and center roller slides.

L906 Breaching Bodies—2¼ inches. Folded, with 1¼-inch straight layer, with layer loops. Dees in ends.

L86 Bridles—Folded adjustable ring crown. ¾-inch doubled and stitched cheeks. ¾-inch noseband. ¾-inch riveted straps. ¾-inch riveted throat strap. Combination doubled and stitched front and winker. ¾-inch flat reins. Jointed bits.

L151¾ Collar Straps—¾-inch wide. Heavy single strap. Twin loop and roller buckle.

522 Hames—All steel. Bolt, with nickel ball top. Fit sizes 19-inch to 22-inch collars.

L10A1 Hame Straps—1x21-inch bottom. Twin loops and roller buckle, riveted.

L1024A1 Hame Straps—1x24-inch top. Riveted twin loop and roller buckle.

L62LS Lazy Straps—1-inch strap, with 1¼-inch safe.

L41880/18/1½ Lines—1½ inches by 18 feet. No. 1880 buckles and flat spring snaps at bit ends. No. 200 line buckle on short checks.

L1274 Pads with Market Straps—4½x2 inches. Swell pattern. Leather top and bottom. 1¼-inch layer. Japanned bridges. 1¼-inch reverse market straps.

L621 Pole Straps—1½ inches wide. Dee in rear end and Moline pole strap buckle on front end with collar strap slide.

L31½ Side Straps with Snaps—1¼ inches. Single reverse in breeching dee. Economy buckle with spring snap at front and economy buckle at rear.

LLSD Spread Straps—¾-inch, with one duranoid ring.

L1720/1½ Trace Loops or Billets—1½ inches wide. Sewed loop with dee in top for market strap to buckle in.

Traces—3 solid ply. 3-row stitched. 1½-inch belly band billets. Safe at front end of trace with jointed hame clip. No. 45 6-link heel chains.

L631/1½—1½ inches by 6 feet.

L632/1¼—1¼ inches by 6 feet.

L62H Turnback and Hip Straps—1¼ inches. Divided turnback to hames. 1½-inch hip strap sewed in side trace carrier at bottom of rump safe. Long hip straps to reverse around layer loop and breeching dee back to economy buckle. Japanned trace carrier.

BLACK LEATHER

B62B1½ Belly Bands—1½ inches. Folded, with layer. Roller buckles and leather loops, sewed.

B3J1½H Breast Straps—With hardware. 1½-inch single strap. Twin loop and roller buckle, riveted. End spring snap and center roller slides.

B906 Breaching Bodies—2¼ inches. Folded, with 1¼-inch straight layer, with layer loops. Dees in ends.

B86 Bridles—Folded, adjustable ring crown. ¾-inch doubled and stitched cheeks. ¾-inch noseband. ¾-inch riveted straps. ¾-inch riveted throat strap; combination doubled and stitched front and winker. ¾-inch flat reins. Jointed bits.

B151¾ Collar Straps—¾-inch wide. Heavy single strap. Twin loop and roller buckle.

522 Hames—All steel. Bolt, with nickel ball top. Fit sizes 19-inch to 22-inch collars.

B10A1 Hame Straps—1x21-inch bottom. Twin loops and roller buckle, riveted.

B1024A1 Hame Straps—1x24-inch top. Riveted twin loop and roller buckle.

B62LS Lazy Straps—1-inch strap, with 1¼-inch safe.

B41880/18/1½ Lines—1½ inches by 18 feet. No. 1880 buckles and flat spring snaps at bit ends. No. 200 line buckle on short checks.

B1274 Pads with Market Straps—4½x2 inches. Swell pattern. Leather top and bottom. 1¼-inch layer. Japanned bridges. 1¼-inch reverse market straps.

B621 Pole Straps—1½ inches wide. Dee in rear end and Moline pole strap buckle on front end with collar strap slide.

B31½ Side Straps with Snaps—1¼ inches. Single reverse in breeching dee. Economy buckle with spring snap at front and economy buckle at rear.

BLSD Spread Straps—¾ inch with one duranoid ring.

B1720/1½ Trace Loops or Billets—1½ inches wide. Sewed loop with dee in top for market strap to buckle in.

Traces—3 solid ply. 3-row stitched. 1½-inch belly band billets. Safe at front end of trace with jointed hame clip. No. 45, 6-link heel chains.

B631/1½—1½ inches by 6 feet.

B632/1¼—1¼ inches by 6 feet.

B62H Turnback and Hip Straps—1¼ inches. Divided turnback to hames. 1½-inch hip strap sewed in side trace carrier at bottom of rump safe. Long hip straps to reverse around layer loop and breeching dee back to economy buckle. Japanned trace carrier.

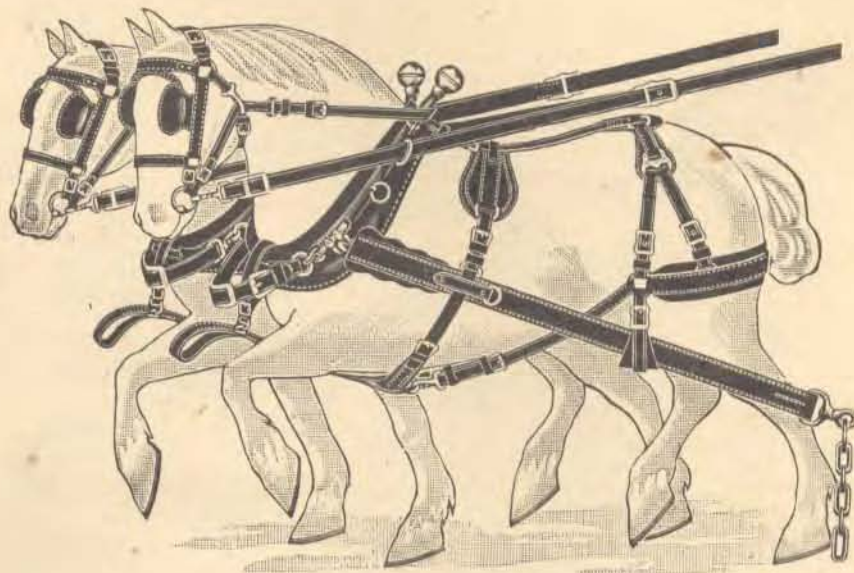
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TEAM HARNESS

BLACK LEATHER—JAPANNED TRIM

This is a high quality black leather harness, far superior in material and workmanship to the average black leather harness. The black leather has highest tensile strength to stand maximum strain. Hardware used is

designed and finished for lasting service. Every detail of construction adds to the long service built into every part.



With Hames, Without Collars

AB 552½—With 1½-inch traces..... Per Set \$57.75

AB 552¾—With 1¾-inch traces..... Per Set 60.75

One set in a wood box.

Weight per set 90 lbs.

DESCRIPTION

B165 Belly Bands—Single strap, 2 inches wide, with 1½-inch layer sewed on. Roller buckle and leather loop.

B2340H Breast Strap—With hardware. 1½-inch single strap. Twin loop riveted, with japanned slide in center. Flat spring snap on one end.

B905 Breeching Bodies—2¼ inches. Folded, with 1½-inch straight layer with layer loops. Dees in end.

B87 Bridles—¾-inch cheeks, doubled and stitched. Folded, adjustable ring crown. ¾-inch nose band. ¾-inch bit strap. Twin loop, riveted. Combination doubled and stitched front and winker. ¾-inch throat strap. ¾-inch flat reins to rein over hames.

BC/1024B Collar Straps—¾-inch wide. Single strap. Twin loop, riveted.

512LS Hames—Lone star, streamline, red band, red-o-lite, with ball top.

B7/21/1 Hame Straps—1x21-inch bottom. Japanned buckle and tuck loop, riveted.

B7/24/1 Hame Straps—1x24-inch top. Japanned buckle and tuck loop, riveted.

B2023 Lazy Straps—1-inch with 2¼-inch safe, riveted. Conway buckle.

B41880/18/1½ Lines—1½-inch x 18 feet. Stitched laps. No. 1880 buckles and flat spring snap at bit end. No. 200 line buckle on short checks.

B1627 Pads with Market Straps—4½x21 inches. Leather top and bottom. 1¼-inch layer with leather loop center. 1¼-inch reverse market strap.

B621 Pole Straps—1½ inches. Dee in rear end and Moline pole strap buckle at front end with collar strap slide.

B3/1½ Side Strap with Snaps—1¼ inches. Single reverse in breeching dee. Economy buckle with spring snap at front and economy buckle at rear.

BLSD Spread Straps—¾-inch with one Duranoid ring.

B1720/1¼ Trace Loops and Billets—1¼ inches wide. Sewed loop with dee in top for market strap to buckle in.

Traces—3-ply. Doubled and stitched. 2 rows stitched. No. 45 heel chain on end. Jointed clips on front end with 1¼-inch belly band billets.

B6214/1½—1½ inches by 6 feet.

B6214/1¾—1¾ inches by 6 feet.

B711 Turnback and Hip Straps—1½-inch single turnback to hames. 1½-inch hip strap sewed in side trace carrier at bottom of rump safe. Long hip straps to reverse around layer loop and breeching dee back to economy buckle. Japanned trace carriers.

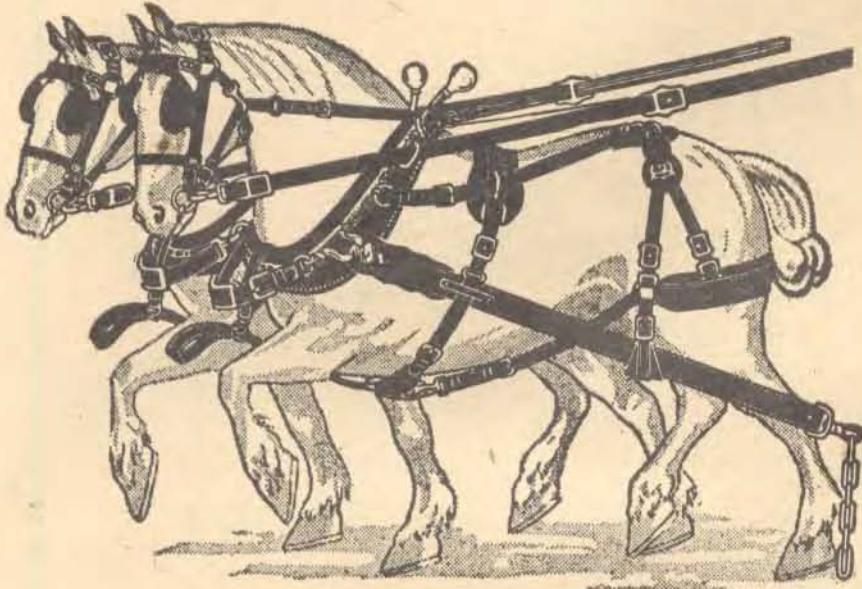
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TEAM HARNESS

BLACK LEATHER—JAPANNED TRIM

This is a high quality black leather harness, far superior in material and workmanship to the average black leather harness. The black leather has high tensile strength to

stand the maximum strain. Hardware used is designed and finished for lasting service. Every detail of construction adds to the long service built into every part.



With Traces Bolted to Hames.

AB 52½—With 1½-inch traces; without collar.....	Per Set \$59.75
AB 52¾—With 1¾-inch traces; without collar.....	Per Set 61.75

One set in a wood box.

Weight per set 80 lbs.

DESCRIPTION

B165 Belly Bands—Single strap, 2 inches wide, with 1½-inch layer sewed on. Roller buckle and leather loop.

B2340H Breast Strap—with hardware. 1½-inch single strap. Twin loop riveted, with japanned slide in center. Flat spring snap on one end.

B905 Breeching Bodies—2¼ inches, folded, with 1½-inch straight layer, with layer loops. Dees in end.

B87 Bridles—¾-inch cheeks, doubled and stitched. Folded, adjustable ring crown. ¾-inch nose band. ¾-inch bit strap. Twin loop, riveted. Combination doubled and stitched front and winker. ¾-inch throat strap. ¾-inch flat reins to rein over hames.

BC1024B Collar Straps—¾-inch wide. Single strap. Twin loop, riveted.

522 Hames—Steel bolt hames, with ball top.

B7/21/1 Hame Straps—1x21-inch bottom. Japanned buckle and tuck loop, riveted.

B7/24/1 Hame Straps—1x24-inch top. Japanned buckle and tuck loop, riveted.

B2023 Lazy Straps—1 inch with 2¼-inch safe, riveted. Conway buckle.

B41880/18/1½ Lines—1½ inches by 18 feet, stitched laps. No. 1880 buckles and flat spring snap at bit end. No. 200 line buckle on short checks.

B1274 Pads with Market Straps—4½x21 inches. Leather top and bottom. 1¼-inch layer with japanned bridges and squares. 1¼-inch reverse market strap.

B621 Pole Straps—1½ inches. Dee in rear end and Moline pole strap buckle at front end with collar strap slide.

B3/1½ Side Strap with Snaps—1¼ inches. Single reverse in breeching dee. Economy buckle with spring snap at front and economy buckle at rear.

BLSD Spread Straps—¾ inch with duranoid ring.

B1720/1¼ Trace Loops and Billets—1¼ inches wide. Sewed loop with dee in top for market strap to buckle in.

Traces—3-ply. Doubled and stitched. 3 rows stitched. No. 45 heel chain on end. Jointed clips on front end with 1¼-inch belly band billets.

B571/1½—1½ inches by 6 feet.

B572/1¼—1¼ inches by 6 feet.

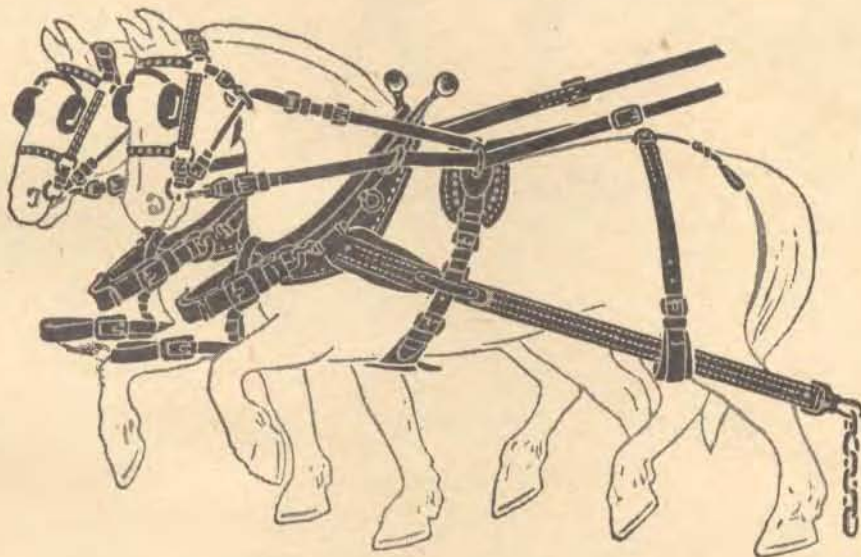
B52H1¾ Turnback and Hip Straps—1½-inch divided turnback to hames. 1½-inch hip strap sewed in side trace carrier at bottom of rump safe. Long hip straps to reverse around layer loop and breeching dee back to economy buckle. Japanned.

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#TEAM HARNESS

ILLINOIS STYLE

Designed primarily to be the best you can buy for the money! Fine quality black oak tanned leather of high tensile strength, durable rust-proofed hardware and careful attention to every detail of construction make these sets leaders in their price range.



BLACK LEATHER—Plain Edges—Japanned Trimmed, Nickel Spots.

Hames with Traces Bolted on.

AB 969X—With 1½-inch by 6-foot traces.....Per Set \$47.75

AB 970X—With 1¾-inch by 6-foot traces.....Per Set 48.95

One set in a wood box. Weight per set 88 lbs.

DESCRIPTION

Belly Bands—Leather Filled. 1½-inch folded, 1½-inch layer.

Breast Straps—1½-inch wide, with end spring snap. Slide in center.

Bridles—Folded, adjustable ring crown, 1½-inch wide, with 1-inch layer and billet. ¾-inch doubled and stitched cheeks. ¾-inch nose band. ¾-inch bit strap and throat strap. Combination doubled and stitched winker stay and front. Round reins with gag swivels.

Collar Straps—¾-inch wide, riveted.

Hames—Steel, bolt, nickel ball top.

Hame Straps—1x22-inch bottom, 1x24-inch top, riveted.

Lines—1½ inches by 20 feet. Sewed laps. Flat spring snaps and metal wear buckles.

Pads—Swell pattern. 5 inches wide, 22 inches long. Leather top and bottom, doubled and stitched. 1½-inch layer, sewed on. 1½-inch reverse market straps. Cadmium-plated standing hook and terret.

Pole Straps—Heavy, 1½ inches, single ply.

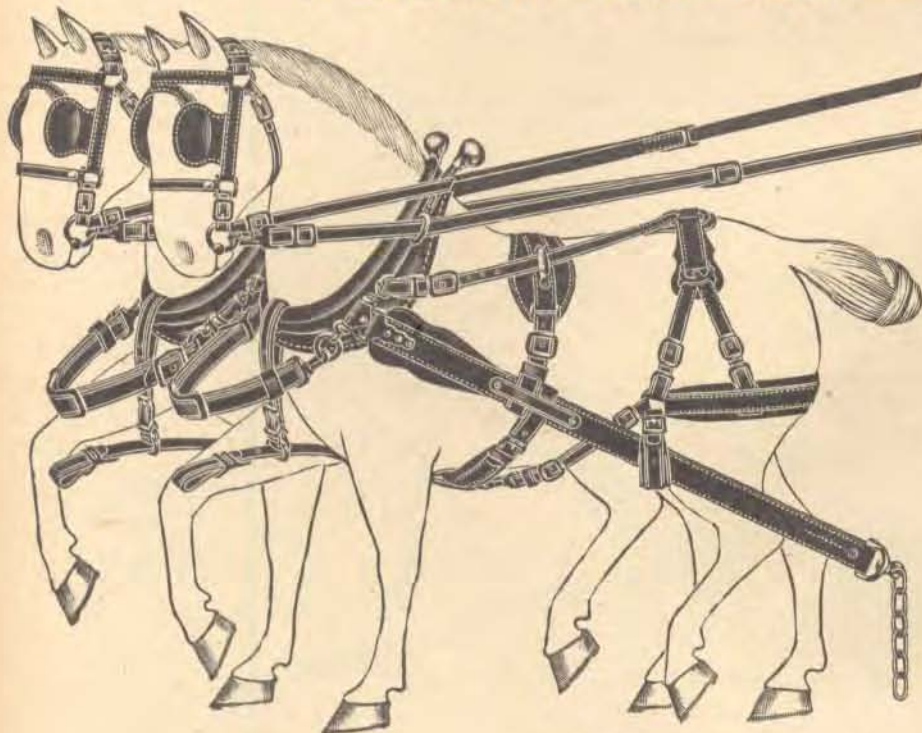
Spreader Straps—¾ inch with Bakelite rings.

Traces—Doubled and stitched, 3-ply. Jointed clip at hame end. 1½-inch belly band billets. Leather part 6 feet long. 6-link cadmium-plated heel chain, sewed in, with screw dee.

Turnback and Hip Straps—1¾-inch turnback. 1½-inch hip straps, with crupper fork and folded crupper.

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TEAM HARNESS



BLACK LEATHER JAPANED TRIMMED

Designed and built for long, hard service. Cut from selected quality medium heavy weight oak tanned harness leather, with high tensile strength.

Best construction—all sewed parts stitched with pure linen thread—other parts securely riveted.

AB 4800—Complete as described. Weight per set 75 lbs.Per Set \$55.75

AB 04800—Less breeching, turnback and hip strap. With standing hook and terret pad and long bridle reins. Weight per set 70 lbs.Per Set \$46.95

One set in a box.

DESCRIPTION

AB 4800

B62B1¼ Belly Bands—1¼ inches. Folded, with layer, roller buckle and leather loop sewed on.

B2340H Breast Straps—with hardware. 1½-inch single strap. Twin loop, riveted. With japanned slide in center. Flat spring snap on one end.

B905 Breeching Bodies—2¼ inches. Folded, with 1½-inch straight layer. Layer loops. Dees in ends.

B2093¾ Bridles—folded ring crown. 1-inch layer and billets on crown. ¾-inch doubled and stitched cheeks. ¼-inch bit strap. ¾-inch throat straps. Cup blinds. Doubled and stitched front and winker brace. Short, flat reins to hames.

B151¾ Collar Straps—¾-inch wide; single strap. Twin loop roller buckle, riveted.

522 Hames—all steel. Bolt hame with nickel ball top. Fits size 19-inch to 22-inch collar.

B7/21/1 Hame Straps—1x21-inch bottom. Japanned buckle and tuck loop, riveted.

B7/24/1 Hame Straps—1x24-inch top. Japanned buckle and tuck loop, riveted.

B2023 Lazy Straps—1-inch single strap, with 2¼-inch safe, riveted. Conway buckle.

B75188/1 Lines—1 inch x 18 feet with No. 1880 buckle and spring snap in bit end. Center bar buckle on short checks.

B1274 Pads with Market Straps—4½x21 inches. Leather top and bottom. 1¼-inch layer, with japanned bridges. 1¼-inch reverse market straps.

B621 Pole Straps—1½-inch. Dee in rear end and Moline pole strap buckle at front end with collar strap slide.

B3/1½ Side Strap with Snaps—1½-inch. Single reverse in breeching dee. Economy buckle with spring snap at front and economy buckle at rear.

BLSJ Spread Straps—¾-inch with japanned rings.

B1720/1¼ Trace Loops or Billets—1¼-inch wide. Sewed loop with dee in top for market strap to buckle in.

B571/1½ Traces—1½-inch. 3-ply, doubled and stitched. 2 rows stitching, 6 feet long and jointed clip at hame and 6-link heel chain sewed in.

B52H1 Turnback and Hip Straps—1-inch divided turnback to hames. 1-inch hip strap sewed in side trace carrier at bottom of rump safe. Long hip straps to reverse around layer loop and breeching dee back to economy buckle. Japanned trace carrier.

AB 04800

B62B1¼ Belly Bands—1¼-inch. Folded, with layer, roller buckle and leather loop sewed on.

B2340H Breast Straps—with hardware. ½-inch single strap. Twin loop, riveted. With japanned slide in center. Flat spring snap on one end.

B2093¾ Bridles—folded ring crown. 1-inch layer and billets on crown. ¾-inch doubled and stitched cheeks. ¼-inch bit straps. ¾-inch throat straps. Cup blinds. Doubled and stitched front and winker brace. Short flat reins to hames.

B151¾ Collar Straps—¾-inch wide. Single strap. Twin loop roller buckle, riveted. Weight per pair ½ lb.

522 Hames—All steel. Bolt hame with nickel ball top. Fits size 19-inch to 22-inch collars.

B7/21/1 Hame Straps—1x21-inch bottom. Japanned buckle and tuck loop, riveted.

B7/24/1 Hame Straps—1x24-inch top. Japanned buckle and tuck loop, riveted.

B75188/1 Lines—1-inch by 18 feet with No. 1880 buckle and spring snap in bit end. Center bar buckle on short checks.

B839 Pads—4½x21-inch. Leather top and bottom. 1¼-inch layer. Standing hook and terrets. Reverse market straps.

B621 Pole Straps—1½-inch. Dee in rear end and Moline pole strap buckle at front end with collar strap slide.

BLSJ Spread Straps—¾-inch with japanned rings.

B1720/1¼ Trace Loops or Billets—1¼-inch wide. Sewed loop with dee in top for market strap to buckle in.

B571/1½ Traces—1½-inch. 2-ply, doubled and stitched. 2 rows stitching. 6 feet long with jointed clip at hame and 6-link heel chain sewed in.

B482/1 Turnback and Hip Straps—1-inch turnback and hip straps. Turnback to pad. Crupper fork sewed to top of trace carrier with folded crupper buckled on. Trace loop 2½-inch wide with safe to buckle on.

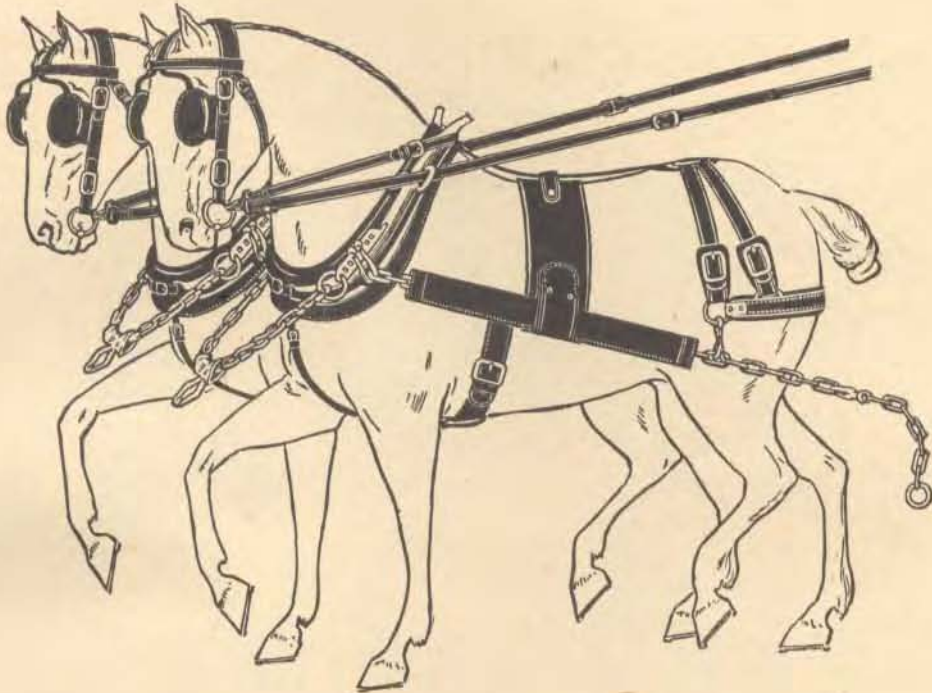
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TEAM HARNESS

CHAIN PLOW

Especially constructed to withstand the strain that a chain plow harness has to take. Made of high quality black leather with great tensile strength and finished

with durable, rust-proofed hardware. Priced amazingly low for such quality! Extra wide back bands and traces. Long, strong chains.



BLACK LEATHER—JAPANNED TRIMMED

AB 285—With Hames, Without Collars.....

Per Set
\$27.95

One set in a wood box.

Weight per set about 65 lbs.

DESCRIPTION

B14/4 Back Bands—4-inch wide. Heavy firm harness leather, with buckle and billets at ends, riveted on. Loop in center, riveted on. Felt lined center.

816/1½ Belly Bands—1½-inch harness leather. 17-inch billets and 23-inch bands. Japanned roller buckle and leather loop, sewed.

218 Breach Chains—Ajax, bright finish. Chain $\frac{3}{8}$ -inch wire. Heavy center snap and double-end end snaps. Length over all 28 inches.

B39 Bridles—1¼-inch doubled and stitched cheek. Solid crown. Cupped harness leather blinds. Flat winker stay, riveted. Front buckle throat latch. Flat side rings to go over hames. No. 47 jointed ring bits.

10/1¼ Breachings—Stage. Heavy folded body 39 inches long, with layer. Reinforced around breeching rings. 1¼-inch hip straps sewed to heavy ring trace carrier on rump. Heavy safe under trace carrier hip straps, loops around breeching ring and layer loop and to reverse buckles. 1¼-inch turnback made up 57 inches. Breeching snaps in breeching rings. Japanned buckles.

B540 Chain Piping—40-inch. Leather, folded, sewed and riveted, with leather cuff at each end. Opening for belly bands 10 inches from end.

461LS Hames—Lone Star, 3-loop stage—new type. Hardwood, varnished. For 17x20-inch collars.

B7/21/1 Hame Straps—1x21-inch Japanned buckle and tuck loop, riveted.

750/18/1½ Lines—1½-inch by 18 feet. Harness leather. Sewed laps. Imitation rubber bolt snaps. Sewed in bit ends. Center bar buckle on short check. Short check centers not reinforced.

B18/1½ Pole Straps—1½-inch heavy single strap, with ring at back end and buckle and leather loop at front. Loose slide for collar strap.

XW7/8/2 Trace Chains—8 straight links. 7 feet long. No. 2 wire.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

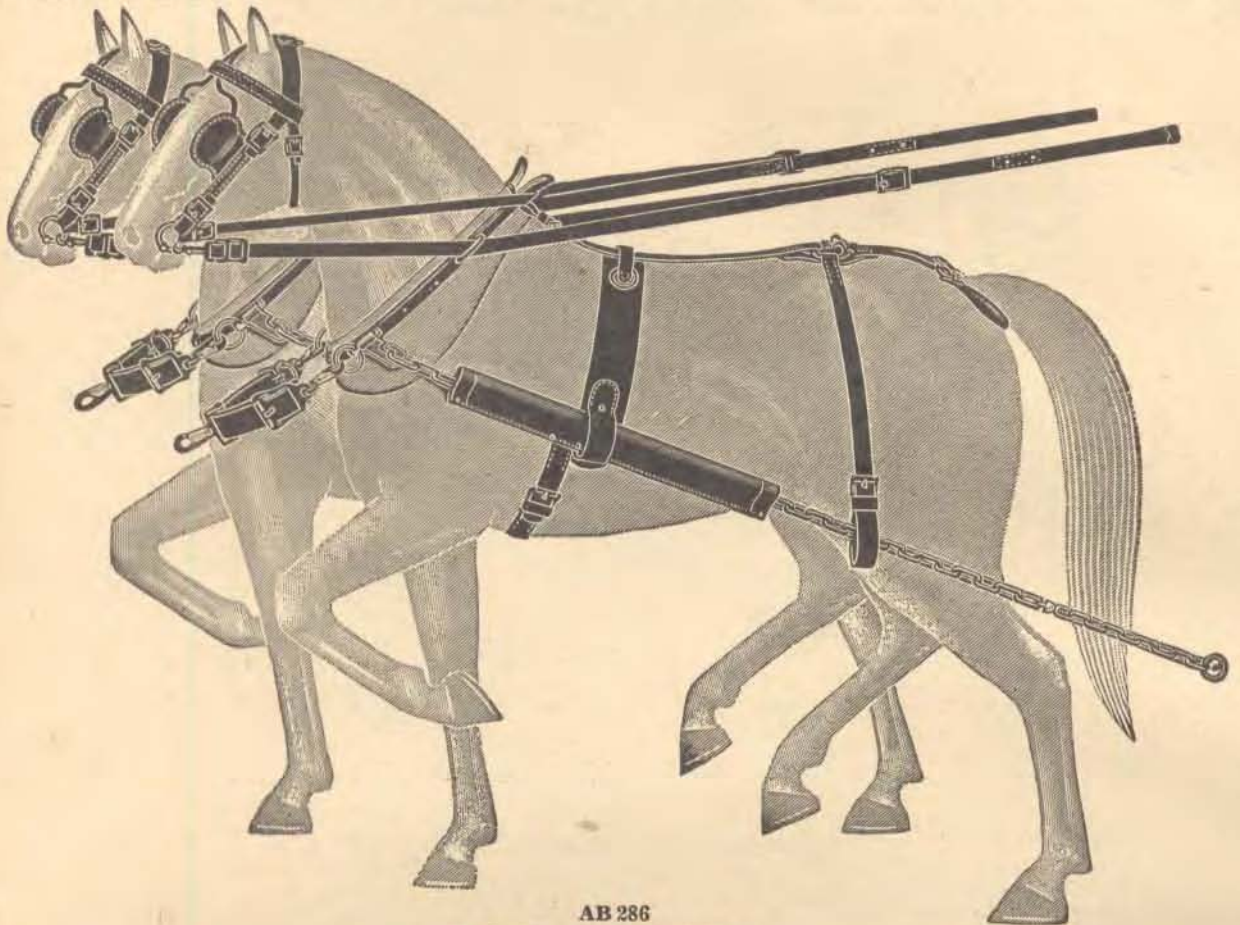
TEAM HARNESS

CHAIN FLOW

BLACK LEATHER—JAPANED TRIMMED

Outstanding Value!

Sturdy, well constructed harness built for long service at a very low cost. Made from strong black leather with strength right where it is needed.



AB 286

With Hames—Without Collars

AB 286—With Turnback and Hip Straps— $1\frac{1}{8}$ -inch turnback to pad. $1\frac{1}{8}$ -inch hip strap. $1\frac{1}{8}$ -inch crupper forks, folded crupper to buckle on.....Per Set \$25.95

AB 286B—With Breeching—Body folded 39 inches long with layer. Metal clips around breeching rings. Hip straps made up 25 inches long to loop around ring and dee at body to reverse buckle. Turnback made up 57 inches long. Japaned buckles and rings. Safe under rump ring; breeching snaps in breeching dees; $1\frac{1}{4}$ -inch hip and turnback.....Per Set 29.95

One set in a wood box.

Weight per set about 65 lbs.

DESCRIPTION

B14/3 $\frac{1}{2}$ Back Bands— $3\frac{1}{2}$ x39-inch. Heavy firm harness leather with wide trace loops sewed on. Turnback loop riveted.

B01/1 $\frac{1}{2}$ Belly Bands— $1\frac{1}{2}$ -inch. Harness leather. 17-inch billets and 23-inch bands. Japaned roller buckles and leather loop, sewed.

BD Breast Straps— $1\frac{1}{2}$ -inch. 2-ply. Japaned slides in center. Breast snaps and buckles on end.

B5/1 $\frac{1}{4}$ Breeching Turnback and Hip Straps—Body folded 39 inches long with layer. Metal clip around breeching rings. Hip straps made up 25 inches long to loop around ring and dee at body to reverse buckle. Turnback made up 57 inches long. Japaned buckles and rings; safe under rump rings. Breeching snaps in breeching dees. $1\frac{1}{4}$ -inch hip and turnback.

B39 Bridles— $1\frac{1}{4}$ -inch doubled and stitched cheek. Solid crown. Cupped harness leather blinds. Flat winker stay, riveted. Front buckle throat latch. Flat side rings to go over hames. No. 47 jointed ring bits.

B536 Chain Piping—36-inch leather, folded, sewed and riveted, with leather cuff at each end. Opening for belly bands 10 inches from end.

61LS Hames—Lone Star. Wood, varnished. Hook pattern.

B7/21 $\frac{1}{2}$ Hame Straps— $\frac{7}{8}$ x21-inch. Japaned buckle and tuck loops.

B4D18/1 Lines—1-inch by 18 feet. All laps sewed. Imitation rubber bolt snaps sewed in bit ends. Centers at short checks. Center bar buckle on short check.

XW7-8-2 Trace Chains—8 straight links 7 feet long. No. 2 wire.

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

BLIND BRIDLES — Harness Leather



Cupped blinds with combination doubled and stitched front and winker.

Folded adjustable ring crown. Doubled and stitched cheeks $\frac{7}{8}$ inch. Bit straps $\frac{3}{4}$ inch. Twin loop riveted throat strap $\frac{3}{4}$ inch. No. 47 bits.

Long round reins $\frac{3}{4}$ inch. Noseband $\frac{3}{8}$ inch.

AB B84—BlackEach \$3.75

AB L84—Latigotan.....Each 3.75

Flat reins $\frac{7}{8}$ -inch wide to go over hames. Noseband $\frac{7}{8}$ inch.

AB B86—BlackEach \$3.85

AB L86—Latigotan.....Each 3.85

Weight per dozen 45 lbs.

Flat reins $\frac{7}{8}$ -inch wide to go over hames. Noseband $\frac{3}{4}$ inch.

Black

AB B87—Weight per dozen 45 lbs.....Each \$3.95

Cupped blinds with combination front and winker. Crown $1\frac{1}{4}$ inches. Noseband $\frac{3}{4}$ inch. Cheeks 1 inch. Bar buckle bit straps. Buckle swivel on throat straps. Round side reins, with $\frac{3}{4}$ -inch long flat centers. No. 47 joint bits.

AB B327B—BlackEach \$4.50

AB L327L—LatigotanEach 4.50

Weight per dozen 55 lbs.

Cupped blinds with round forked winker stays. Long flat cheeks $\frac{7}{8}$ inch. Noseband $\frac{3}{4}$ inch. Doubled and stitched front. Throat latch $\frac{3}{4}$ inch, with gag swivels. Round side reins, with $\frac{3}{4}$ -inch long flat centers to rein on back band. No. 47 joint bits.

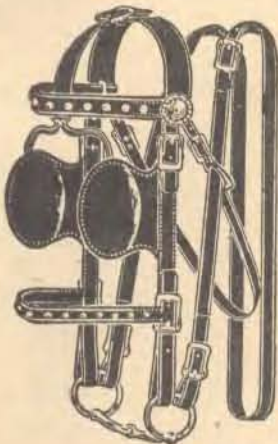
Black

AB B100B—Weight per dozen 55 lbs.....Each \$4.50

Cupped blinds with doubled and stitched front and winker brace. Folded ring crown with 1-inch layer and billets. Doubled and stitched cheeks $\frac{7}{8}$ inch. Bit straps $\frac{3}{4}$ inch. Throat straps $\frac{3}{4}$ inch. Short flat reins to hames. No. 47 joint bits.

Black

AB B2093 $\frac{7}{8}$ —Weight per dozen 45 lbs.....Each \$3.25



Cupped blinds with round forked winker stays. Nickel spotted double and stitched front. Single noseband. Cheeks $\frac{7}{8}$ inch. Nickel-plated metal rosettes. Throat latch $\frac{3}{4}$ inch, with gag runners. Flat side reins $\frac{3}{4}$ inch, to rein over hames. No. 47 bits.

Black

AB B603—Weight per dozen 45 lbs.Each \$3.25

One-quarter dozen in a package.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

FOR PLOW HARNESS TENNESSEE

Good heavy stock.

Wide open, extra heavy, 3-ply pigeon wing blinds with extra heavy round winker stays connecting blinds. Large brass rosettes. Brass spots on front and blinds. Japanned roller buckles. Leather loops on cheeks. Throat latch $\frac{5}{8}$ inch. Flat reins $\frac{7}{8}$ inch, with buckle and billet. Japanned gag runners attached to separate straps sewed to crown. No. 47 japanned ring bits.

With flat reins 7 feet long.

Black



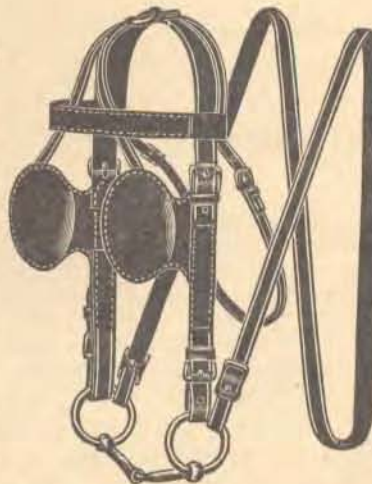
Nos.	Each	Size, Cheeks and Billets, Inches	Wt. Per Doz., Lbs.
AB 32/1	\$3.25	1	46
AB 32/1 $\frac{1}{4}$	3.75	1 $\frac{1}{4}$	52



Pigeon wing blinds with doubled and stitched winker stays. Brass spotted front and spots around edge of blinds. Solid crown. Cheeks $\frac{1}{2}$ inch. Brass rosettes. Japanned buckles. Throat latch $\frac{1}{2}$ inch. Flat side reins $\frac{7}{8}$ inch, 6 feet long with buckles. Jointed ring bits.

Latigotan

AB SS619—Weight per dozen 42 lbs.Each \$2.19



Cupped blinds and flat winker stays. Plain long cheeks.

Flat throat latch, $\frac{1}{2}$ inch. Flat solid crown. Riveted harness leather front. Short flat side reins to buckle in bit. Jointed ring bits, japanned buckles and loops.

For the South and Southeast

With Flat Reins 5 Feet Long

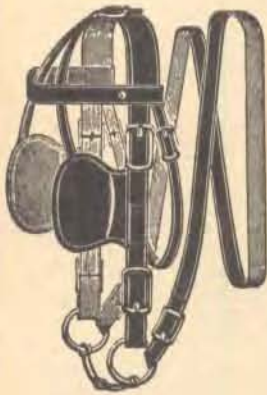
Black

Nos.	Each	Size Cheeks, Inches
AB 916S1	\$1.65	1
AB 916S1 $\frac{1}{4}$	1.95	1 $\frac{1}{4}$

Weight per dozen 30 lbs.

One-quarter dozen in a package.

BLIND BRIDLES — Harness Leather



Cupped harness leather blinds with flat winker stays. Solid crown. Riveted front. Doubled and stitched cheeks, 1¼ inches.

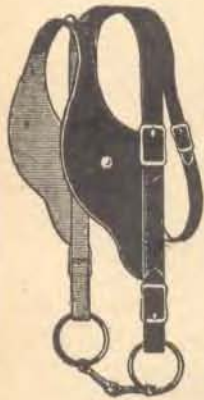
Buckle throat latch. Flat side reins to go over hames. Jointed ring bits.

Black

AB B39—Weight per dozen 40 lbs.....Each \$1.45

LARGE TEXAS MULE STYLE

Hooded type with 1¼-inch cheeks. Double and stitched blinds, joined at center and sewed. Spot in center of winker and blinds. Throat latch, 5/8 inch. No. 47 jointed ring bits. Without reins.



Black

AB 215/1¼—Weight per dozen 36 lbs.....Each \$1.95

Latigotan

AB S214—Medium size blinds laced in center.....Each \$1.90

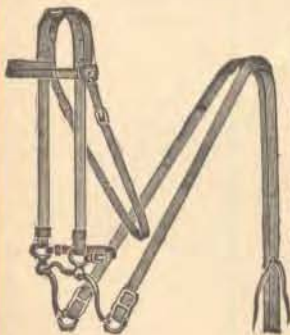
AB S213—Medium size blinds with doubled and stitched strap connecting blinds. Light weight stockEach \$1.65

Weight per dozen 36 lbs.

One-quarter dozen in a package.

RIDING BRIDLES

FAIR LEATHER



Adjustable headstall. Fair bridle leather, plain smooth finish. Double headstall cut in one piece with buckle at top to adjust to any size. Throat latch in one piece running over head. Sewed fronts; XC rosettes, port bits.

With 6-foot quilt reins laced in center, buckled at bit.

Nos.	Each	Size Cheeks, Inch	Size Reins, Inch	Wt. Per Doz., Lbs.
AB 601 3/4	\$2.35	3/4	3/4	16
AB 601 7/8	2.75	7/8	3/4	17 1/2

One-half dozen in a package.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

Doubled and stitched leather blinds with ½-inch flat winker straps to buckle at center of crown. No. 47 jointed ring bits.

WITHOUT REINS

Japanned bar buckle for billet and crown. Flat riveted fronts.

Japanned Trimmings

Black

With Flat Blinds

Cheeks and billets, 1¼ inches.

AB 53/1¼—Weight per dozen 21 lbs.Each \$1.25

With Cupped Blinds

Cheeks and billets, 1 inch.

AB 63/1—Weight per dozen 19 lbs.Each \$1.10



Cupped blinds. Cheeks, 1¼ inches. Pieced crown with double and stitched center. Throat latch. Riveted harness leather front.

Japanned Trimmings

Black

AB 193/1¼—Weight per dozen 26 lbs.Each \$1.25



Cupped blinds. Cheeks, 1¼ inches. Pieced crown with doubled and stitched center. Flat riveted fronts.

Japanned Trimmings

Black

AB 06/1¼—Weight per dozen 25 lbs.Each \$1.25

One-quarter dozen in a package.

Cupped blinds. Cheeks, 1¼ inches. Pieced crown. Flat riveted fronts, 3/4 inch. Tumbled finish trimmings.

Black

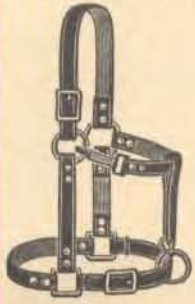
AB 100FS—Weight per dozen 21 lbs.Each \$0.79

One-half dozen in a package.



LEATHER HALTERS

Black harness leather with riveted laps. Adjustable chin straps. Halter loops and ring. Japanned trimmed.



FIVE-RING STYLE

Snap Throat Strap

Size from square to square over head 44 inches. Cheeks 1 inch. Chin straps 1 inch.

AB 330/1¼—Weight per dozen 15 lbs.....Each \$1.49

Measures 46 inches from square to square over head. All straps 1¼ inches.

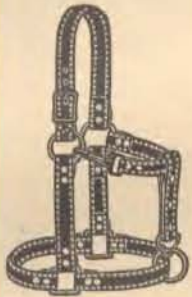
AB 1¼—Weight per dozen 14 lbs.Each \$1.39



Snap Throat Strap

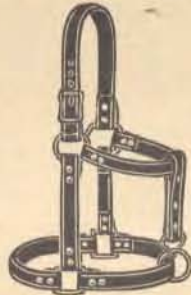
Doubled and stitched throughout. Measures 45 inches from square to square over head. All straps 1¼ inches.

AB 165—Weight per dozen 18 lbs.Each \$1.39



Medium weight black leather. Measures 40 inches from square to square over head. All straps 1¼ inches.

AB 100—Weight per dozen 19 lbs.Each \$1.19



One-quarter dozen in a carton.



FOR COLTS

Buckle crown. Measures 36 inches from square to square over head. All straps 1 inch.

AB 1988/1—Weight per dozen 15 lbs.Each \$0.98

One-quarter dozen in a package.

LEATHER COW HALTERS



Black harness leather. Buckle crown. Riveted. One-piece crown, nose, throat and chin straps. Japanned trimmed. All straps 1¼ inches.

Without Ties

AB 838/1¼—Weight per dozen 11 lbs.....Each \$0.79

One-quarter dozen in a package.

WEB HALTERS

FOR HORSES

Regular Dexter adjustable—13-cord No. 2 web. Brow band and throat latch ¾ inch. Chin strap ¾ inch. Nickered rosettes 1¼ inches. Bright malleable trimmings. Sisal tie rope ¾ inch. Measures 42 inches from triangle to triangle over head.

Assorted colors—red and blue.

AB 153—Weight per dozen 10 lbs.....Each \$0.69

Packing—bulk



CORD HALTERS

JOHNSON'S IDEAL

Will not kink or twist

All one piece. Special two-way weave cotton cord, double under chin. Put together



with malleable iron and steel hardware, cadmium finish to prevent rust.

The adjustable throat latch makes it fit around the neck. Diameter cord 7/8 inch.

(Extra large 1400-2000-lb. horses)

Nos.	Each	Wt. Each, Lbs.
AB 1X	\$1.15	15

(Large 1100-1400-lb. horses)

AB 114	1.10	12
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One dozen in a heavy craft paper bag.

ROPE HALTERS

Red sisal rope, with 6-foot tie. Yellow sisal front and throat piece, ¾ inch. All parts fastened with copper wire loops.

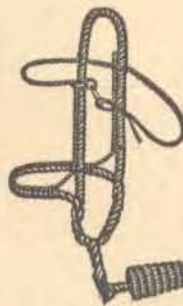
Measures 40 inches from nose piece over head.

Best quality close twisted long fibre sisal, ¾-inch.

ABA—Weight per dozen 12 lbs.....Each \$0.29

Medium grade sisal, 7/16-inch.

AB 8A—Weight per dozen 10 lbs.Each \$0.23



One dozen in a bundle.

HALTER TIES



Cadmium plated swivel spring snap and ring fastened to rope with wire loops. ¾-inch round sisal rope 7 feet long with wired end.

AB 7HT—Weight per dozen 7½ lbs.....Each \$0.23

One dozen in a bundle; six dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

**BREECHINGS
HARNESS LEATHER**

STAGE

Heavy folded body 39 inches long, with layer. Reinforced around breeching ring. Hip straps sewed to heavy ring trace carrier on rump. Heavy safe under trace carrier hip strap, loops around breeching ring and layer loop and to reverse buckles. Turnback made up 57 inches.

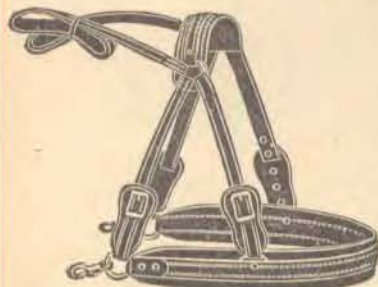


Breeching snaps in breeching rings. Japanned buckles. Hip strap and turnback 1 1/4 inches, body 42 inches.

BLACK LEATHER

AB 10/1 1/4—Weight per set 9 lbs.....Per Set (2) \$9.35

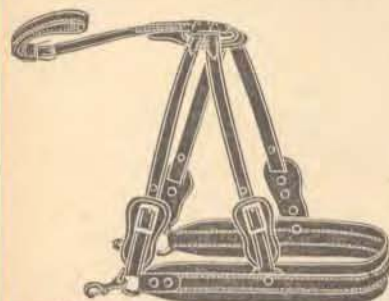
STAGE OR JERSEY



Creased edge. Folded body 39 inches long, with layer. Metal clips with rings and bolt snaps. Reverse hip straps sewed to ring on rump strap, to buckle into up-tugs on body. Rump piece 14 inches long, with layer sewed on. Two turnbacks made up 57 inches long, to cross on back and attach to rings on hames with tie strings.

BLACK LEATHER

Nos.	Per Set (2)	Width		Wt. Per Set, Inches
		Hip Straps, Inches	Turn-backs, Inches	
AB 100/1	\$7.50	1	3/4	8
AB 100/1 1/4	8.75	1 1/4	1	9
AB 100/1 1/2	9.75	1 1/2	1 1/4	10



Body folded 39 inches long with layer. Metal clip around breeching rings. Hip straps made up 25 inches long to loop around ring and dee at body to reverse buckle. Turnback made up 57 inches long. Japanned buckles and rings. Safe under rump ring.

BLACK LEATHER

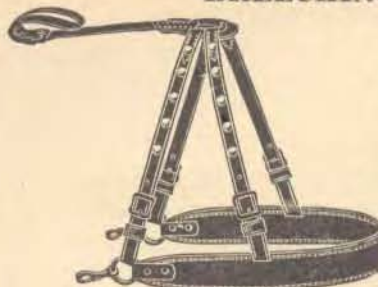
Nos.	Per Set (2)	Width		Wt. Per Set, Inches
		Hip Straps, Inches	Turn-backs, Inches	
AB B5/1	\$6.50	1	1	7
AB B5/1 1/4	7.50	1 1/4	1 1/4	8
AB B5/1 1/2	8.75	1 1/2	1 1/2	9

One set in a bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

BREECHINGS

STAGE



Doubled and stitched body 41 inches long. Japanned metal clips, rings, bolt snaps. Hip straps, sewed to ring, with leather safe, and to reverse in body. Single turnback 57 inches long, runs to collar. Japanned bar buckles and leather slide loops. Width hip straps 1 1/4 inches, turnbacks 1 inch, body 2 1/2 inches.

BLACK LEATHER
AB 250/1 1/4—Weight per set 9 lbs.....Per Set (2) \$8.75

One set in a bundle.

**BREECHING BODIES
HARNESS LEATHER**



Single strap body 2 1/2 inches wide, 44 inches long. Straight layer 1 1/2 inches full length, sewed around rings. Sewed-up tugs 1 inch, with safes and two leather loops.

Nos.	Per Set (2)	Color
AB B97	\$6.45	Black
AB L97	6.45	Latigotan

Weight per set 4 1/2 lbs.

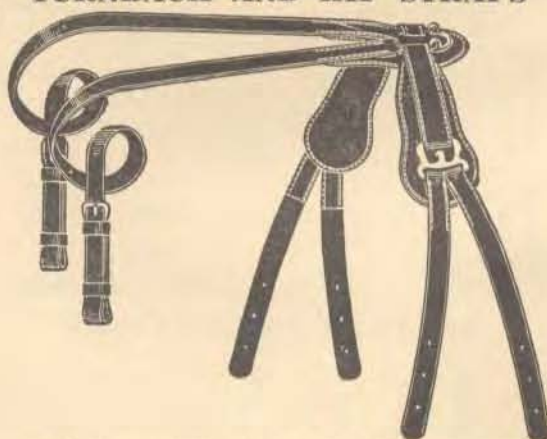
Folded body 2 1/2 inches wide, leather filled, with full length straight layer sewed around dees and reinforced. With layer loops.



Nos.	Per Set (2)	Length, Inches	Width Layer, Inches	Weight Per Set, Lbs.
BLACK LEATHER				
AB B905	\$4.00	42	1 3/8	4 1/4
AB B906	4.50	42	1 1/4	4 1/2
LATIGOTAN				
AB L906	4.50	42	1 1/4	4 1/2

One set in a bundle.

TURNBACK AND HIP STRAPS



Harness leather. Divided turnback to hames, width 1 1/4 inches. Hip straps, width 1 1/4 inches sewed to japanned side trace carrier. Double and stitched rump drop. Fancy spotted.

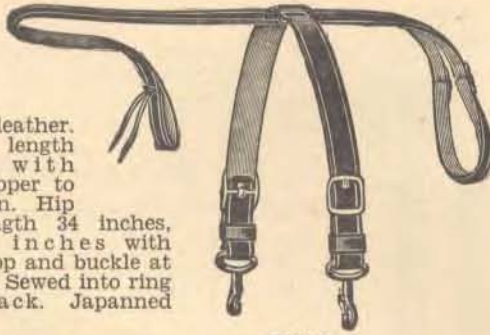
AB B1534—Black Per Set (2) \$7.50
AB L1534—Latigotan Per Set (2) 7.50

One set in a bundle. Weight per set 6 lbs.

TURNBACK AND HIP STRAPS

TURNBACK AND HIP STRAPS

Harness leather. Turnback, length 5½ feet, with folded crupper to buckle on. Hip straps, length 34 inches, width 1½ inches with snaps. Loop and buckle at trace end. Sewed into ring on turnback. Japanned trimmed.



Nos.	Per Set (2)	Width Turnbacks, Inches	Wt. Per Set, Lbs.
AB 611	\$6.50	1½	5½
AB 911	8.50	3	6

Harness leather. Single turnback to hames, width 1½ inches. Double hip straps, width 1½ inches, sewed to side trace carriers at bottom of rump safe.



Long hip straps to reverse around breeching dees and layer loops back to Economy buckle. Japanned trace carriers.

ABB711 — Weight per set 7 lbs.
Per Set (2) \$7.85

High Quality Heavy Harness Leather

Divided turnback and hip straps, width 1½ inches. Hip strap sewed in side trace carrier at bottom of rump safe. Long hip straps to reverse around layer loop and breeching dees, back to Economy buckle. Japanned trace carrier.



AB B165—BlackPer Set (2) \$7.85
AB L165—LatigotanPer Set (2) 7.85

Weight per set 8 lbs.

Medium Weight, Medium Quality Harness Leather
Black

Nos.	Per Set (2)	Turn-back, Inches	Hip Straps, Inches	Wt. Per Set, Lbs.
AB B52H1	\$6.00	1	1	6
AB B52H1½	6.85	1½	1½	7½

Medium Weight, Good Quality Harness Leather

Turnback and hip straps, width 1½ inches.
AB B62H—BlackPer Set (2) \$7.50
AB L62H—LatigotanPer Set (2) 7.50

Weight per set 8 lbs.
One set in a bundle.



Harness leather. Turnback, width 1½ inches. Hip strap width 1½ inches. Folded crupper to buckle. Crupper fork sewed to top trace carrier. Leather loop and roller buckle. Lazy straps sewed on.

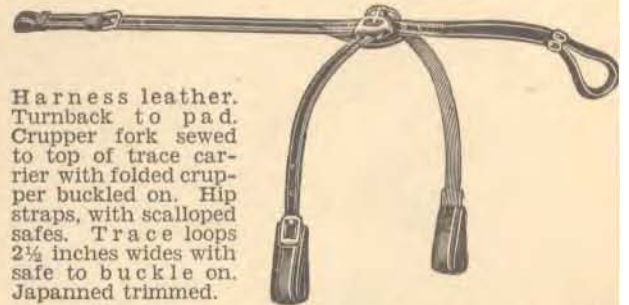
AB B272—BlackPer Set (2) \$6.50
AB L272—LatigotanPer Set (2) 6.50

Weight per set 6 lbs.



Harness leather. Turnback to pad 1½ inches. Hip straps, width 1½ inches, with loops, buckles and spring snaps at end. Folded crupper, width ¾ inch, with crupper fork sewed to top of trace carrier.

Black
AB B602 — Weight per set 7 lbs.
Per Set (2) \$6.50



Harness leather. Turnback to pad. Crupper fork sewed to top of trace carrier with folded crupper buckled on. Hip straps, with scalloped safes. Trace loops 2½ inches wide with safe to buckle on. Japanned trimmed.

Black
Nos. Per Set (2) Turn-back, Inches Hip Straps, Inches Wt. Per Set, Lbs.
AB B4821 \$4.85 1 1 7
AB B4821½ 5.85 1½ 1½ 8

One set in a bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

TURNBACKS

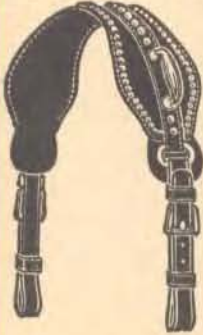


Harness leather, width 1½ inches. To run to pad, with reverse buckle and loop. Folded crupper to buckle on.

AB 325/1½—Weight per dozen 7 lbs.....Each \$1.45

One-half dozen in a package.

TEAM PADS WITH MARKET STRAPS



Swell pattern. Harness leather top and bottom, width 5 inches. Layer 1½ inches, with dee. Double market straps, width 1½ inches. No. 50 roller buckle and loop. Side bridges for divided turnback. Layer spotted one row around edge.

AB B821—BlackPer Pair \$6.50

AB L821—Latigotan..Per Pair 6.50

Weight per pair 5 lbs.



Harness leather. Swell shape top and bottom. Interlined with soft felt pad. Doubled and stitched. Layer 1½ inches, with dees in ends. Dwight hook and terrets. Single reverse market strap 1½ inches, with reverse buckle.

AB B357—BlackPer Pair \$6.00

AB L357—LatigotanPer Pair 6.00

Weight per pair 5 lbs.



Swell shape, 5½x22 inches. Harness leather top and bottom, felt interlined. 1½-inch layer with dees sewed in. Double reverse market straps, width 1½ inches, sewed, with roller buckles and leather loops. Japanned bridges, buckles and dees.

Black Leather

AB 454—Weight per pair

6 lbs.Per Pair \$6.00



Harness leather top and bottom 5x23 inches. Layer 1½ inches, with dees in ends. Double market straps, 1½ inches, with reverse buckle. Metal Colorado bridges.

AB B561—Black.

Per Pair \$5.50

AB L561—Latigotan.

Per Pair 5.50

Weight per pair 4½ lbs.

One pair in a package.

TEAM PADS WITH MARKET STRAPS



Swell shape, width 5 inches. Double harness leather top, felt lined. 1½-inch layer, with dees sewed in. Dwight hook and terrets. Double reverse market straps, 1½ inches, sewed, with roller buckles and leather loops. Japanned buckles and dees.

Black Leather

AB 462—Weight per pair

6½ lbs.Per Pair \$5.75

One pair in a bundle.



Swell shape. Leather top and bottom 4½x21 inches. Layer 1½ inches with dees at ends. Single reverse market strap, 1½ inches, with reverse buckle.

AB B1274—Black. Japanned

bridges. Weight per pair 4

lbs.Per Pair \$4.00

AB L1274—Latigotan. Japanned

bridges. Weight per pair 4

lbs.Per Pair 4.00

AB B839—Black, with standing

hook and terret. Weight per

pair 5 lbs.....Per Pair 4.50

AB B1627—Black, with leather loop center

bridges. Weight per pair 4½ lbs.....Per Pair 4.00

One pair in a package.

BACK BANDS

Black Leather

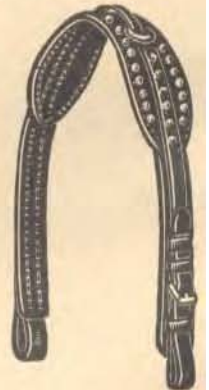
Swell shape. Harness leather top and bottom. Leather layer 1½ inches. Reinforced billets 1½ inches. One row nickel spots on outer edge.

Length made up 49½ inches.

Width 5 Inches

AB B603—Weight per dozen

30 lbs.Each \$3.25



Large dees sewed and riveted on each end. Two open-eye snaps in each dee.

Length 39 Inches

Width 4 Inches

AB 4DS—Weight per dozen

17 lbs.Each \$1.95

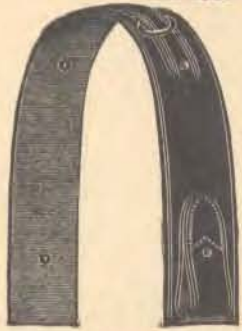
One-half dozen in a package.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

BACK BANDS

BLACK HARNESS LEATHER

Wide trace loops sewed and riveted. Turn-back loop riveted on in center.



Nos.	Each	Size, Ins.	Doz., Lbs.	Wt. Per Lbs.
Length 39 Inches				
AB B14/3½	\$1.10	3½	16	
AB B14/4	1.19	4	18	
Length 42 Inches				
AB 788/3½	1.15	3½	14	
AB 788/4	1.25	4	16	

Buckle and billets at ends, riveted on. Loop in center riveted on. Felt-lined center.

Length 42 Inches

Nos.	Each	Size, Ins.	Dozen, Lbs.	Wt. Per Lbs.
AB 790/3½	\$1.20	3½	16	
AB 790/4	1.30	4	17	



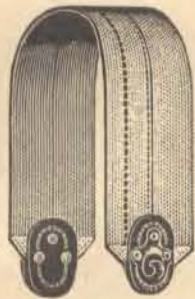
THE GURLEY

White sail duck with harness. Leather chafes sewed on. Large Gurley hooks secured by copper rivets.

AB 8—No. 8. Weight per dozen 12 lbs. Each \$0.57

AB 10—No. 10. Weight per dozen 12 lbs. Each .49

Packing—bulk.



Padded—Comfortable

Heavy white duck—5 inches wide, 39 inches long. Padded with composite stuffing, same as used in collar pads. Four rows quilting. Split leather safes. H. & A. hooks, securely fastened to band.

AB 1G—Weight per dozen 18 lbs. Each \$0.45

Six dozen in a bale.



Plain white canvas with burlap reinforced center. No trimmings. Width 5 inches. Length 42 inches.

With Japanned "Boss" Hooks

AB G70BH—Weight per dozen 9 lbs. Each \$0.39

Without Hooks

AB G70—Weight per dozen 3¼ lbs. Each .15

Packing—bulk.



Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

BACK BANDS



Cotton webbing—4 inches wide, with bound ends. No. 90 Plow Boy heavy black japanned combination hook and buckle.

Length Over All 39 Inches

AB 0T—No. 0 heavy webbing Each \$0.30

AB 1T—No. 1 medium weight webbing..... Each .25

Weight per dozen 10 lbs.

Length Over All 42 Inches

AB 1T42—No. 1 medium weight webbing... Each .29

Weight per dozen 11 lbs.

Cotton webbing—5 inches wide, with bound ends. No. 95 Plow Boy heavy black japanned combination hook and buckle.

Length Over All 39 Inches

AB 05T—No. 0 heavy webbing..... Each \$0.39

Weight per dozen 16½ lbs.

One dozen in a bundle.

WEB BACK BANDS



Webbing 4 inches wide, with bound ends.

Nos.	Each	Length Over All, Wt. Per		
		Weight	Inches	Doz., Lbs.
AB 0	\$0.19	Heavy	39	3½
AB 1	.15	Medium	39	2
AB 1/42	.15	Medium	42	2½

Webbing 5 inches wide, with bound ends.

AB 50	\$0.25	Heavy	39	4
AB 51	.19	Medium	39	2½

One dozen in a bundle.

BACK BAND WEB



SOLD ONLY IN FULL ROLLS

WHITE COTTON

Nos.	Per Foot	No. Cotton	Width, Inches	Wt. Per Roll, Lbs.
AB 0/4	\$0.06	0	4	8½
AB 0/5	.08	0	5	10
AB 1/4	.04½	1	4	5½
AB 2/4	.04	2	4	5¼

100 feet in a roll. One roll in a package.

BACK BAND HOOKS



Heavy stamped steel, black japanned.

For 4-Inch Webbing.

AB 90—Weight per dozen pairs 9 lbs.....Per Pair \$0.15

For 5-Inch Webbing.

AB 95—Weight per dozen pairs 10½ lbs.Per Pair .19



Heavy wrought steel, black japanned with 10-gauge steel wire latch.

Nos.	Per Pair	For Webbing, Lgth., Width, Inches			Weight Per Doz. Pairs, Lbs.
		Inches	Inches	Inches	
AB 40	\$0.15	4	4½	3½	7
AB 45	.15	5	5½	3½	9

Packing—bulk.

BELLY BANDS HARNESS LEATHER



For Chain Harness

With 17-inch billets and 23-inch band made up 40 inches. Japanned roller buckle and leather loop, sewed.

BLACK

Nos.	Each	Size, Inches	Wt. Per Doz., Lbs.
HEAVY WEIGHT LEATHER			
AB 816/1¼	\$0.50	1¼	7
AB 816/1½	.55	1½	9
AB 816/1¾	.75	1¾	11
AB 816/2	.85	2	13

MEDIUM WEIGHT LEATHER

AB B011½	.59	1½	8½
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Folded, with sewed layer. Roller buckles and leather loops sewed. Made up 23 inches long.

Nos.	Each	Width, Inches	Wt. Per Doz., Lbs.
BLACK			
AB B62B1¼	\$0.95	1¼	13
AB B62B1½	1.10	1½	15
LATIGOTAN			
AB L62B1½	1.10	1½	15

Single strap 2 inches wide with 1¼-inch layer sewed on. 1¼-inch roller buckle and leather loop.

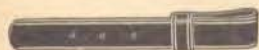
BLACK

AB B165—Weight per dozen 12 lbs.....Each \$0.80

One-half dozen in a package.

BELLY BAND BILLETS

BLACK LEATHER



For use with all traces. Single strap leather 1½ inches wide with loop sewed on one end and slip on trace. Length over all 21 inches.

AB 1750/1½—Weight per dozen 4 lbs.....Each \$0.40

One-half dozen in a package.

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BREAST STRAPS

HARNESS LEATHER



WITH HARDWARE

Two-ply—width 1½ inches. Made up 28 inches long. Japanned slides in center. Breast snaps and buckles on end.

BLACK

AB BD—Weight per dozen 34½ lbs.Each \$1.45

WITHOUT HARDWARE

Made up 56 inches long, with buckle and leather loop sewed. 8-inch lap liner around buckle. Japanned trimmed.

Extra Heavy—Single Ply



BLACK LEATHER

Nos.	Each	Width, Inches
AB BC0/1½	\$0.95	1½
AB BC0/1¾	1.15	1¾

LATIGOTAN

AB LC0/1½	.95	1½
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Weight per dozen 18 lbs.



WITHOUT HARDWARE

Heavy single strap. Made up 56 inches long with roller buckle and twin loops, riveted. 8-inch lap liner around buckle. Japanned trimmed.

LATIGOTAN

Width 1½ inches.

AB L3J1½—Weight per dozen 16 lbs.....Each \$0.95

BLACK LEATHER

Nos.	Each	Width, Inches	Wt. Per Dozen, Lbs.
AB B3J1½	\$0.95	1½	16
AB B3J1¾	1.10	1¾	18

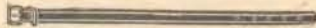
Single strap—width 1½ inches, length 4½ feet, with twin loop, riveted.

BLACK

AB B2340—Weight per dozen 16 lbs.....Each \$0.95

One-quarter dozen in a package.

HAME STRAPS



Medium grade harness leather. Riveted, No. 74J japanned roller buckles and japanned wire tuck loops.

Made Up 21 Inches Long
Black

Nos.	Each	Size, In.	Wt. Doz., Lbs.
AB B7/21/7/8	\$0.15	7/8	1 1/8
AB B7/21/1	.17	1	2 3/4
AB B7/21/1 1/8	.19	1 1/8	2

Made Up 24 Inches Long

AB B7/24/1	\$0.21	1	3 1/4
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Heavy single strap selected harness leather. Roller buckle and twin loops, riveted.

Made Up 21 Inches Long
Black

Nos.	Each	Size, In.	Wt. Doz., Lbs.
AB B10A1	\$0.19	1	2 1/2
AB B10A1 1/8	.23	1 1/8	3

Latigotan

AB L10A1	.19	1	2 1/2
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Made Up 24 Inches Long
Black

AB B10/24A1	\$0.23	1	3
AB B10/24A1 1/8	.25	1 1/8	3 1/2

Latigotan

AB L10/24A1	.23	1	3
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TEAM



Heavy single strap selected black harness leather; sewed. No. 50J japanned roller buckles. Leather loops.

Made Up 21 Inches Long

Nos.	Each	Size, Inches	Wt. Per Dozen, Lbs.
AB 600/1	\$0.23	1	1 3/4
AB 600/1 1/8	.25	1 1/8	2
AB 600/1 1/4	.29	1 1/4	2 1/4



Heavy single strap selected harness leather. Sewed roller buckle and leather loops.

Made Up 24 Inches Long

Nos.	Each	Size, Inches	Wt. Per Dozen, Lbs.
AB 686/1	\$0.25	1	3
AB 686/1 1/8	.29	1 1/8	3 1/2



Two-ply Latigotan leather. Double and stitched. Japanned roller buckles. Leather loops sewed on.

Made Up 21 Inches Long

Nos.	Each	Size, Inches	Wt. Per Dozen, Lbs.
AB 50/1	\$0.29	1	2 1/4
AB 50/1 1/8	.35	1 1/8	2 1/2



Doubled and stitched. Heavy black harness leather top and latigotan leather bottom. Japanned roller buckle and twin loop, riveted. Made up 21 inches long, width 1 inch.

AB 251—Weight per dozen 3 lbs.....Each \$0.19

One dozen in a package.

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HAME STRINGS

KNOTTED



Good quality split chrome flexible leather. 3/8 inch wide. Made up 34 inches long.

AB HS 7/8—Weight per dozen

1 1/4 lbs.....Each \$0.15

One dozen in a package.

COLLAR STRAPS



Harness leather. Heavy single strap. Twin loop and roller buckle, riveted.

Made Up 28 Inches Long
Black

Nos.	Each	Width, Inches	Wt. Doz., Lbs.
AB B151/7/8	\$0.25	7/8	3
AB B151/1	.29	1	4

Latigotan

AB L151/7/8	.25	7/8	3
AB L151/1	.29	1	4

Single strap 3/8 inch. Twin loop, riveted. Length 24 inches.

Black

AB BC10/24B—Weight per dozen 3 1/2 lbs.....Each \$0.19

One dozen in a package.

CHECK-UP STRAPS



Harness leather. Single strap 3/8-inch wide. Spring snap sewed at one end. Reverse buckle and spring snap at other end.

AB B142—Black\$0.49

AB L142—Latigotan49

One-half dozen in a package. Weight per dozen 6 lbs.

CHOKE STRAPS



Harness leather. 1 1/2-inch. Sewed and reverse buckle with ring in rear end. Loop for belly band. Loose slide for collar strap. Buckle and billet at front end.

AB B20—Black\$1.00

AB L20—Latigotan 1.00

One dozen in a package. Weight per dozen 13 1/2 lbs.

POLE STRAPS



Heavy single strap leather, with ring in rear, with safe. Loop for belly band. Buckle and leather loop at front end. Loose ring for collar strap.

Nos.	Each	Size, Inches	Wt. Per Dozen, Lbs.
AB 646/1 3/4	\$1.20	1 3/4	2 1/2
AB 646/2	1.45	2	2 7/8



Heavy single strap harness leather, with ring sewed in rear end. Buckle and leather loop at front end. Loose slide for collar strap.

Black

Nos.	Each	Size, Inches	Wt. Per Dozen, Lbs.
AB B18/1 1/2	\$1.00	1 1/2	14
AB B18/1 3/4	1.15	1 3/4	15

Latigotan—Width 1 1/2 Inches

AB L18/1 1/2—Weight per dozen 14 lbs.....Each \$1.00

Harness leather, width 1 1/2 inches. Dee in rear end and Moline pole strap buckle on front end with collar strap slide.

AB B621—BlackEach \$0.98

AB L621—LatigotanEach .98

Weight per dozen 14 lbs.
One dozen in a bundle.

SPREAD STRAPS



Harness leather, width 5/8 inch with buckle, ring and slide loop. Length over all, buckled, 12 3/4 inches.

BLACK

AB BLSJ—Japanned rings.....Each \$0.17

AB BLSC—Celluloid rings.....Each .23

AB BLSD—Duranoid rings.....Each .19

LATIGOTAN

AB LLSC—Celluloid rings.....Each \$0.23

AB LLSL—Duranoid rings.....Each .19

One dozen in a package. Weight per dozen 2 lbs.

MARKET STRAPS



Harness leather, width 1 1/2 inches. Roller buckle and leather loop, sewed, with slide loop. Length 30 inches.

AB B229 1/2—BlackPer Pair \$1.15

AB L229 1/2—LatigotanPer Pair 1.15

Weight per dozen pairs 7 lbs.

Harness leather, width 1 1/2 inches. Roller buckles and tuck loops, riveted. Slide loop. Length 30 inches.

AB B227—BlackPer Pair \$1.10

AB L227—LatigotanPer Pair 1.10

Weight per dozen pairs 6 lbs.
One dozen pairs in a bundle.

SIDE STRAPS



Heavy single strap harness leather. No. 50 buckle and leather loop sewed with extended 6-inch lap around buckle. Made up, length 5 1/2 feet.

Black

Nos.	Each	Size, Inches	Wt. Per Dozen, Lbs.
AB B564/1	\$0.75	1	8 1/2
AB B564/1 1/8	.80	1 1/8	9 1/2

Latigotan—Width 1 1/8 Inches

AB L564/1 1/8—Weight per dozen 9 1/2 lbs.....Each \$0.85



Harness leather. Single reverse, width 1 1/4 inches,

in breeching dee. Economy buckle with spring snap at front and Economy buckle at rear.

Black

Nos.	Each	Width, Inches	Wt. Per Dozen, Lbs.
AB B3/1 1/8	\$0.55	1 1/8	3 3/4
AB B3/1 1/4	.60	1 1/4	4 3/4
AB L3/1 1/8	.55	1 1/8	3 3/4
AB L3/1 1/4	.60	1 1/4	4 3/4

One dozen in a bundle.

LAZY STRAPS



Single strap 1 1/2 inches with 2 1/2-inch safe, roller buckle and reverse loop, sewed. Measures 12 inches when buckled up. Outside safe spotted.

AB B277/1 1/8—BlackPer Set (4) \$2.19

AB L277/1 1/8—LatigotanPer Set (4) 2.19



Harness leather; 1-inch strap, with 1 1/4-inch liner.

AB B62LS—BlackPer Set (4) \$1.49

AB L62LS—LatigotanPer Set (4) 1.49



Single strap, 1 inch, with 2 3/4-inch safe, riveted. Conway buckle. Length when buckled up, 12 inches.

GOOD QUALITY HEAVY LEATHER

AY B71—BlackPer Set (4) \$1.19

AY L71—LatigotanPer Set (4) 1.19

MEDIUM QUALITY, MEDIUM WEIGHT LEATHER

In Black Only

AY B2033—Weight per set 1 1/4 lbs.Per Set (4) \$1.19

One set in a package.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

LEATHER TRACES



Three-ply harness leather. Scalloped safes at hames. Reinforced at hame end. Sewed around bolt. No. 45 screw pin. Six-link polished heel chain 18 inches long. Flat stay strap.

Length 6 feet.

Black

Nos.	Per Set, (4)	Width, Ins.	lets, Ins.	Size Bil- of Rows	Stitch- ing	Wt. Per Set, Lbs.
AB B140/1½	\$18.00	1½	1½	2	2	22
AB B141/1¾	21.00	1¾	1½	3	25	



Harness leather, folded. Width 2½ inches. Stitched at end, open in center. Belly band billets, width 1½ inches. Flat stay straps to hold market straps and belly band in place. Dee for side straps. No. 60 heel chain 18 inches long, clipped on.

Length 6 feet.

AB B567—BlackPer Set (4) \$19.50

AB L567—LatigotanPer Set (4) 19.50

Weight per set 23 lbs.



Heavy harness leather, doubled and stitched. Scalloped safes at hames, with jointed hame attachments. Six-link heel chain, with screw dee and swivel sewed in. Belly band billets, flat stay strap.

Nos.	Per Set, (4)	Width, Ins.	lets, Ins.	Size Bil- Rows	Stitch- ing	Wt. Per Set, Lbs.
AB 424/1½	\$16.50	1½	1¾	2	17	
AB 424/1¾	18.75	1¾	1½	3	20	

Three-ply solid harness leather. Three rows stitched. Belly band billets, width 1½ inches. Safe at front end of trace with jointed hame clip. No. 45 six-link heel chain. Length 6 feet.

Black

Nos.	Per Set (4)	Width, Inches	Weight Per Set, Lbs.
AB B631/1½	\$17.50	1½	23
AB B632/1¾	19.50	1¾	26

Latigotan

Nos.	Per Set (4)	Width, Inches	Weight Per Set, Lbs.
AB L631/1½	\$17.50	1½	23
AB L632/1¾	19.50	1¾	26

Three-ply harness leather, doubled and stitched. Two rows stitching. Belly band billets, width 1¾ inches. Jointed clip at hame. Six-link heel chain sewed in. Length 6 feet.

Black

AB B571/1½—Width 1½ inches. Weight per set 23 lbs.Per Set (4) \$15.75

AB B572/1¾—Width 1¾ inches. Weight per set 26 lbs.Per Set (4) 18.00

One set in a bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

LEATHER TRACES



Three-ply solid harness leather. Doubled and stitched. Three rows stitching. Width 1¾ inches. Scalloped safes at hame end. Flat stay straps and 1½-inch belly band billets. No. 60 heel chain clipped on.

Length 6 feet.

AB B246/1¾—BlackPer Set (4) \$16.50

AB L246/1¾—Latigotan.....Per Set (4) 16.50

Weight per set 25 lbs.

Three-ply solid harness leather, doubled and stitched. Two rows stitching. Scalloped at hame end. Flat stay strap. Belly band billets, width 1½ inches. No. 45 heel chain sewed in.

Length 6 feet.

Black

Nos.	Per Set, (4)	Width, Inches	Wt. Per Set, Lbs.
AB B6214/1½	\$16.50	1½	22
AB B6214/1¾	18.75	1¾	26



Three-ply solid harness leather, doubled and stitched. Hook at front end. Japanned cockeye sewed in rear end. Length 6 feet.

Black

Nos.	Per Set (4)	Width, Inches	Weight Per Set, Lbs.
AB B663/1½	\$11.75	1½	12
AB B664/1¾	13.50	1¾	15

Latigotan

Nos.	Per Set (4)	Width, Inches	Weight Per Set, Lbs.
AB L663/1½	\$11.75	1½	12
AB L664/1¾	13.50	1¾	15



FOR TEAM HARNESS

Three-ply solid leather, doubled and stitched, with sewed-in triangular cockeyes. Length 6 feet.

Nos.	Per Set (4)	Width, Inches	Weight Per Set, Lbs.
AB 400/1½	\$10.85	1½	10
AB 400/1¾	12.85	1¾	11

One set in a bundle.

TRACE LOOPS AND BILLETS



Harness leather. Sewed lap with dee in top to buckle market strap.

Black

AB B1720/1¼—Width 1¼ inches. Weight per dozen 4 lbs.....Each \$0.29

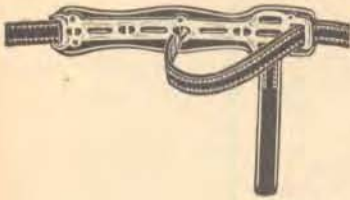
AB B1720/1½—Width 1½ inches. Weight per dozen 4½ lbs.....Each .35

Latigotan

AB L1720/1½—Width 1½ inches. Weight per dozen 4½ lbs.....Each \$0.35

One dozen in a package.

HAME TUGS



XC metal Moeller plate with leather safe under plate. Doubled and stitched leather billets to attach to hames. Leather belly band billets.

BLACK

Nos.	Per Set, (4)	Size Tugs, Inches	Weight Per Set, Lbs.
AB B462/1½	\$6.45	1½	8
AB B464/1¼	6.90	1¾	9

LATIGOTAN

AB L462/1½	\$6.45	1½	8
AB L464/1¼	6.90	1¾	9

One set in a bundle.

CHAIN PIPING



For Covering Trace Chains on Chain Harness.

Heavy black harness leather. Cut 5½ inches wide. Folded, sewed and riveted, with leather cuff at each end. Opening for belly band 10 inches from end.

Nos.	Each	Length, Inches	Wt. Doz., Lbs.
AB B536	\$0.85	36	12½
AB B540	.95	40	16
AB B542	1.00	42	18

One-third dozen in a bundle.

HITCHING STRAPS



Single strap harness leather, with flat spring snap sewed on one end. Length 6½ feet.

Nos.	Each	Size, Inches	Wt. Per Dozen, Lbs.
AB 742/¾	\$0.49	¾	4½
AB 742/⅞	.55	⅞	5½
AB 742/1	.60	1	6½
AB 742/1⅛	.65	1⅛	7½

One-half dozen in a package.

LEATHER CHECK LINES



Harness line leather, standard medium weight. Creased edges, all laps sewed. Imitation rubber bolt snaps sewed in bit ends. Center bar buckles at checks; centers at short checks. Japanned buckles.

BLACK LEATHER

Nos.	Per Pair	Made Up, Size	Wt. Per Doz. Pairs, Lbs.
AB B4D18/1	\$4.25	18 ft. x 1 in.	50
AB B4D18/1⅛	4.95	18 ft. x 1⅛ in.	56
AB B4D18/1¼	5.25	18 ft. x 1¼ in.	62

One pair in a package.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

LEATHER CHECK LINES



Double and stitched centers. No. 1880 buckles and spring snaps at bit end. No. 200 line buckle on short check.

HEAVY, FIRM LINE LEATHER; reinforced where short checks buckle. Length inside checks, 6½ feet

Size 20 Feet x 1¼ Inches

AB B1880—Black Per Pair \$6.75

AB L1880—Latigotan Per Pair 6.75

Weight per dozen pairs 80 lbs.

HEAVY, FIRM LEATHER; reinforced where short checks buckle. Length inside checks, 9 feet.

Size 18 Feet x 1½ Inches

AB B41889—Black Per Pair \$6.50

AB L41889—Latigotan Per Pair 6.50

Weight per dozen pairs 82 lbs.

MEDIUM WEIGHT LINE LEATHER. Not reinforced in center. Length inside checks, 6½ feet.

Black

Nos.	Per Pair	Size, Made Up	Wt. Doz. Pairs, Lbs.
AB B41880/18/1	\$5.50	18 ft. x 1 in.	65
AB B41880/18/1¼	5.50	18 ft. x 1¼ in.	70

Latigotan—Size 18 Feet x 1½ Inches

AB L41880/18/1¼—Weight per dozen pairs 70 lbs. Per Pair \$5.50

HEAVY WEIGHT LINE LEATHER, with roller buckles and leather loop. Moline rein buckle at check. All laps sewed and riveted. Length inside checks, 6½ feet. Japanned buckles.

Size 20 Feet x 1¼ Inches

Black

AB B41880CE—Weight per dozen pairs 72 lbs. Per Pair \$7.00

HEAVY, FIRM LINE LEATHER. Double and stitched centers, reinforced where short checks buckle. Japanned buckles and flat spring snaps. Rein buckle at checks.

Weight Per Doz. Pairs,

Nos.	Per Pair	Size, Made Up	Wt. Per Doz. Pairs, Lbs.
AB 362/18/1⅛	\$5.25	18 ft. x 1⅛ in.	66
AB 364/20/1⅛	6.25	20 ft. x 1⅛ in.	70

Good quality, **MEDIUM WEIGHT HARNESS LEATHER,** with all laps sewed. Imitation rubber bolt snaps sewed in bit end. Center bar bolt on short check. Short check centers not reinforced.

Black

Nos.	Per Pair	Size, Made Up	Weight Per Doz. Pairs, Lbs.
AB 750/16/1⅛	\$4.00	16 ft. x 1⅛ in.	51
AB 750/18/1⅛	4.35	18 ft. x 1⅛ in.	54

Good quality, **MEDIUM WEIGHT HARNESS LEATHER.** Imitation rubber snap looped in bit end. No. 1880 buckle on front ends. Center bar buckle on short check. Short check not reinforced.

Black With Bolt Snap in Bit End

Size 18 Feet x 1¼ Inches

AB 188/18/1⅛—Weight per dozen pairs 54 lbs. Per Pair \$4.75

With Spring Snaps in Bit End

Size 18 Feet x 1 Inch

AB B75188/1—Weight per dozen pairs 60 lbs. Per Pair \$4.75

One pair in a package.

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SIMMONS HORSE COLLARS

● PERFECT FITTING ● LONGER WEARING

● With Gall Cure Hair Pads

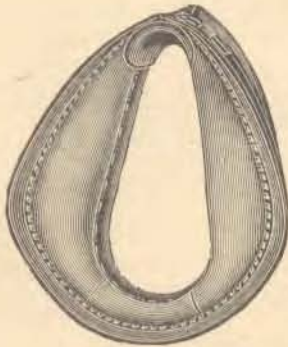
EXTRA HEAVY TEAM ALL FAIR LEATHER

About 18-Inch Draft

Extra heavy selected kip stock with thong sewed in-seam and ribbon lace thong sewed outseam. Solid back, with wide extended back fender. Pressed sole leather pad, thong sewed in 1¼-inch buckle and billet, top thong sewed on. Large solid rim.

Sizes 18 to 22 Inches

AB S352F—Straight pattern. Average weight per dozen 102 lbs. Each \$5.95



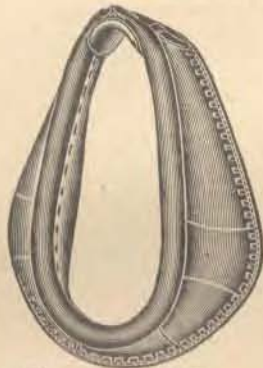
Each collar in an individual paper bag.

HEAVY DUTY ALL FAIR LEATHER

About 17-Inch Draft

Heavy selected kip leather with thong sewed in-seam and ribbon thong sewed outseam. Pieced back with extra hame lug at draft. Large solid rim—pressed sole leather pad. 1¼-inch buckle and billet.

AB S155F—Straight Pattern.
AB S0155F—Half Sweeney Shape.

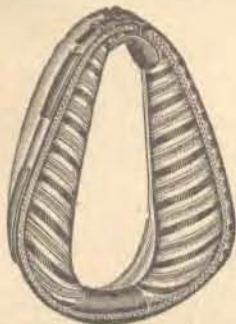


Size, Inches	Each AB S155F	Each AB S0155F	Wt. Per Doz., Lbs.
18	\$4.85	.....	100
19	4.85	\$4.85	103
20	4.85	4.85	106
21	4.85	4.85	109
22	4.85	4.85	112
23	5.35	5.35	115
24	5.95	5.95	118
25	6.50	6.50	121

About 17½-Inch Draft

Fair split leather rim. Heavy white duck back with extra split leather hame and line lugs. Turned outseam, with two rows thread stitching. Pressed sole leather neck pad. Tick face. Leather throat lugs. 1¼-inch buckle and billet.

AB S4—Straight Pattern.
AB S04—Half Sweeney Shape.



Size, Inches	Each AB S4	Each AB S04	Wt. Per Doz., Lbs.
17	\$1.95	.....	56
18	1.95	\$1.95	59
19	1.95	1.95	62
20	1.95	1.95	65
21	1.95	1.95	68
22	1.95	1.95	71
23	2.19	2.19	74
24	2.39	2.39	77

One-half dozen in a carton.

When ordering—state number and size wanted.

* Goods marked thus (*) are not carried in stock and can only be furnished by shipment direct from factory.

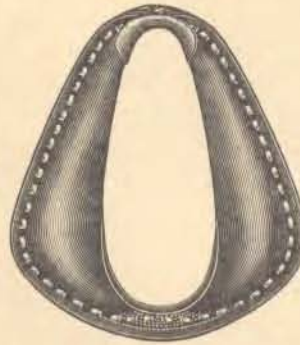
Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

HEAVY DUTY—With Gall Cure Hair Face

About 17-Inch Draft

Russet kip leather back and rim, with black soft hair flexible leather face. Thong sewed in-seam. Thong ribbon lace-sewed outseam, with ribbon sewing at throat curved in, making it throatless; 1¼-inch buckle and billet, thong-sewed. Sole leather neck pad.

AB S170B—Straight pattern.
AB S0170B—Half Sweeney shape.



Size, Inches	Each AB S170B	Each AB S0170B	Wt. Per Doz., Lbs.
18	\$5.75	\$5.75	115
19	5.75	5.75	118
20	5.75	5.75	121
21	5.75	5.75	123
22	5.75	5.75	126
23	6.00	6.00	129
24	6.75	6.75	132

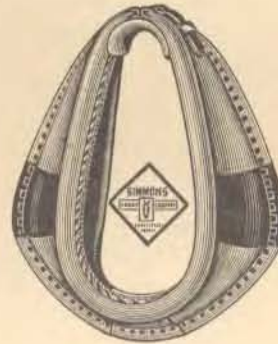
HEAVY DUTY

About 16-Inch Draft

California russet oak collar, leather back and rim. Black leather hame chafes. Soft black shoe leather face. Cushion padding. Patented hand thong sewed middle seam. Thong sewed outside seam. Extended welt. Pressed sole leather pad; 1¼-inch buckle and billet.

Sizes 17 to 22 Inches

* AB S450—Average weight per dozen 96 lbs. Each \$5.25

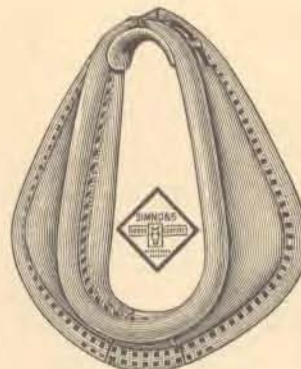


HEAVY DUTY ALL FAIR LEATHER

About 18-Inch Draft

Full back and rim. Russet California oak collar leather back, rim and throat piece. Russet oak collar leather face. Patented thong sewed middle seam. Thong sewed outside seam with 1½-inch extended welt. Extra row of thong sewing on throat. Pressed sole leather neck pad. 1¼-inch buckle and billet.

Sizes 17 to 22 Inches

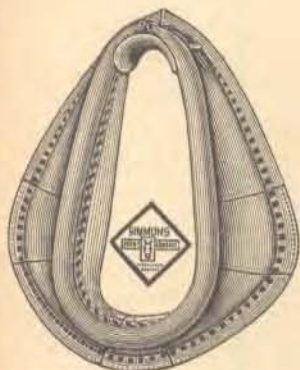


* AB S575—Average weight per dozen 120 lbs. Each \$7.50

One-half dozen in a carton.

SIMMONS HORSE COLLARS

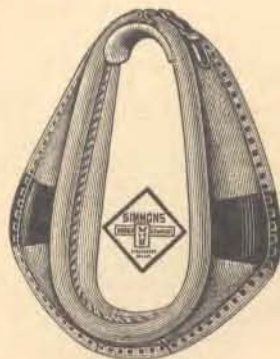
● PERFECT FITTING ● LONGER WEARING



HEAVY DUTY ALL FAIR LEATHER About 17-Inch Draft

California russet oak collar leather back, rim, hame chafe and throat piece. Russet oak collar leather face. Cushion padding. Patented hand thong sewed middle seam—thong sewed outside seam. Extended welt. Pressed sole. Leather pad. 1¼-inch buckle and billet.

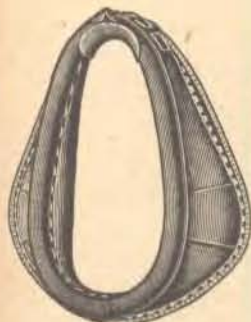
Sizes 17 to 22 Inches
#AB S475—Average weight per dozen
102 lbs. Each \$5.85



Good Quality—Practical About 16-Inch Draft

Heavy russet split leather back and rim. Russet collar leather face. Hand thong sewed middle and outseam. Black leather hame chafes. Cushion face. Pressed sole leather pad; 1-inch buckle and billet.

Sizes 17 to 22 Inches
#AB S375—Average weight per dozen
86 lbs. Each \$4.39

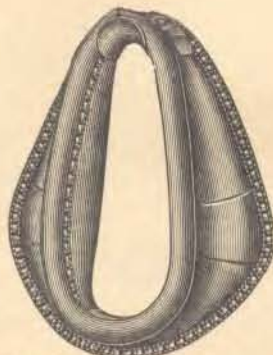


SOFT AND FLEXIBLE ALL LATIGOTAN LEATHER About 17-Inch Draft

Flexible, soft latigotan leather throughout. Pieced back, with extra hame lug at draft. Thong sewed inseam. Ribbon lace outseam. Large rim. Large pressed sole leather pad.

1¼-inch buckle and billet.
AB SL30—Straight pattern.
AB SL030—Half Sweeney shape.

With Patent Fasteners
AB SL030P—Half Sweeney shape.



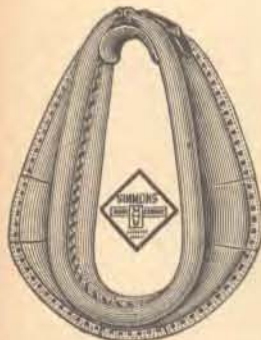
SOFT FLEXIBLE COLLAR About 15-Inch Draft

The leather in this collar will remain soft and pliable and fit perfectly to any shaped animal neck. It is treated to withstand animal heat and perspiration and will not rub nor cause sore necks if used without sweat pad.

Latigotan soft flexible leather. Pieced back with extra lug at hame draft. Thong sewed inseam. Ribbon sewed outseam. Pressed sole leather neck pad. 1-inch buckle and billet at top.

Sizes 17 to 22 Inches
AB SL145—Straight pattern. Average weight per dozen 67 lbs. Each \$3.69

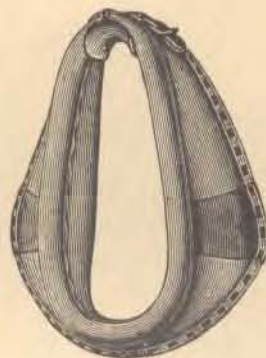
Size, In.	Each AB SL30	Each AB SL030	Each AB SL030P	Wt. Doz., Lbs.
17	\$5.25	\$5.25	.....	90
18	5.25	5.25	\$5.29	94
19	5.25	5.25	5.29	98
20	5.25	5.25	5.29	102
21	5.25	5.25	5.29	106
22	5.25	5.25	5.29	110
23	5.95	5.95	.....	114
24	6.45	6.45	.....	118
25	7.45	7.45	.....	122



ALL FAIR LEATHER Strong—Long Lasting About 15-Inch Draft

California russet oak collar leather back, rim and hame chafes. Russet oak collar leather face. Cushion padding. Patented hand thong sewed middle seam. Thong sewed outside seam. Pressed sole leather pad. 1-inch buckle and billet.

Sizes 17 to 22 Inches
#AB S365—Average weight per dozen 85 lbs. Each \$4.79



HEAVY DUTY

About 16½-Inch Draft

Russet kip face. Russet split back and rim. Pieced back, with kip hame lug at draft. Thong sewed inseam and outseam. Pressed sole leather pad; 1¼-inch buckle and billet.

AB 350—Straight pattern.
AB 0350—Half Sweeney shape.

Size, Inches	Each AB 350	Each AB 0350	Wt. Per Doz., Lbs.
17	\$3.49	\$3.49	77
18	3.49	3.49	81
19	3.49	3.49	84
20	3.49	3.49	87
21	3.49	3.49	90
22	3.49	3.49	93
23	3.89	3.89	95
24	4.19	4.19	98

One-half dozen in a carton.

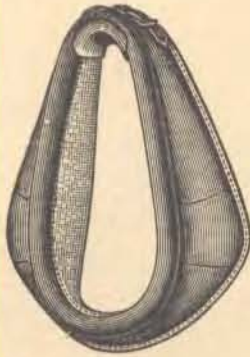
One-half dozen in a carton.

Note: When ordering—state number and specify size wanted.

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SIMMONS HORSE COLLARS

● PERFECT FITTING ● LONGER WEARING

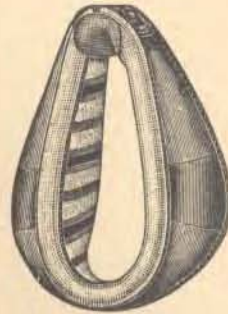


Good Quality—Practical
About 17-Inch Draft

Heavy russet split leather back and rim. Split leather hame chafe and throat piece. Split chrome leather face. Jumbo cushion padding. Double thread stitched middle seam. Double thread stitched outside seams. Pressed sole leather neck pad. 1-inch buckle and billet.

AB 275—Straight pattern.

Size, Inches	Each	Wt. Per Doz., Lbs.
17	\$2.98	93
18	2.98	96
19	2.98	99
20	2.98	102
21	2.98	105
22	2.98	108
23	3.69	111
24	4.19	114

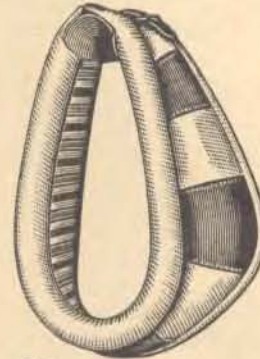


About 16½-Inch Draft

Heavy tick face—fair split leather back, 6-inch web rim. Thread-sewed outseam with leather welt. Pressed sole leather neck pad; 1¼-inch buckle and billet.

Sizes 17 to 22 Inches

AB S950—Straight pattern.
Average weight per dozen 68 lbs.....Each \$1.69



Serviceable—Economical

About 16½-Inch Draft

Heavy white duck back, with split leather hame and line lugs. Web rim. Striped ticking face. Pressed sole leather neck pad; 1¼-inch buckle and billet.

AB S34—Straight pattern.

Size, Inches	Each	Wt. Per Doz., Lbs.
17	\$1.49	66
18	1.49	69
19	1.49	72
20	1.49	75
21	1.49	78
22	1.49	81
23	1.59	84
24	1.79	87

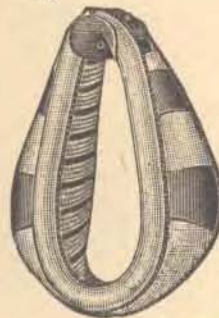


Practical, Good Quality Leather
About 15-Inch Draft

Heavy russet split leather back and rim. Split leather hame chafes and throat pieces. Split chrome leather face, with heavy cushion padding. Double thread stitched middle seam and outseam. Pressed sole leather neck pad. 1-inch buckle and billet.

Sizes 17 to 22 Inches

#AB S225—Average weight per dozen 84 lbs.....Each \$2.39



Serviceable—Economical

About 15-Inch Draft

Striped ticking face—white duck back and rim. Fair split hame, line and throat lugs. Pressed sole leather neck pad. 1-inch buckle and billet.

AB S600—Straight pattern.
Average weight per dozen 17 lbs.Each \$1.29



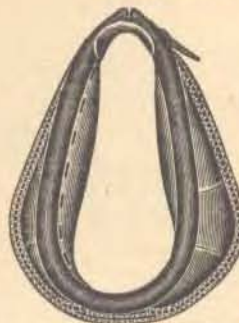
Practical—Economical
About 17½-Inch Draft

Heavy white duck back with chrome split leather hame chafe, line chafes and throat pieces. Heavy 5-inch web rim with heavy ticking face. Hair padding. Wide thread, three-row stitched middle seam with leather welt. Double thread stitched outside seam. Pressed sole leather top pads. 1-inch buckle and billet.

Sizes 17 to 22 Inches

#AY S250—Average weight per dozen 80 lbs.Each \$1.98

SIMMONS MULE COLLARS



ALL FAIR LEATHER—HEAVY DUTY—Snug Fitting
About 16½-Inch Draft

All kip leather. Pieced back with extra lug at hame. Thong sewed ribbon outseam with high draft and Inswell making perfect fit for mules. 1¼-inch buckles and billets at top. Pressed sole leather pads.

Sizes 17 to 21 Inches

AB S92—Average weight per dozen 87 lbs.Each \$4.95

One-half dozen in a carton.

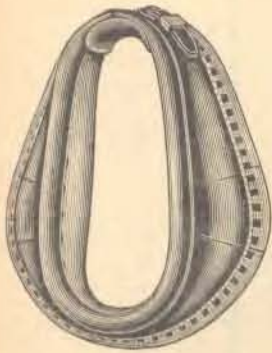
One-half dozen in a carton.

When ordering—state number, and specify size wanted.

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HORSE COLLARS



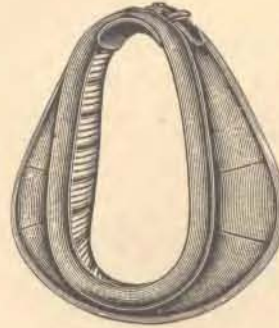
ALL FAIR LEATHER About 17½-Inch Draft

Heavy selected leather, with hame chafe and throat piece. Thong sewed middle seam and outseam—extended welt. Hair face pad. Sole leather neck pad. 1¼-inch buckle and billet.

Sizes 18 to 22 Inches

AB 90—Average weight per dozen
85 lbs.Each \$5.45

One-half dozen in a carton.



TEAM

About 16½-Inch Draft

Heavy split leather back and rim, with hame chafe and throat piece. Extra quality 8-oz. tick face. All thread sewed. Sole leather neck pad. 1½-inch buckle and billet.

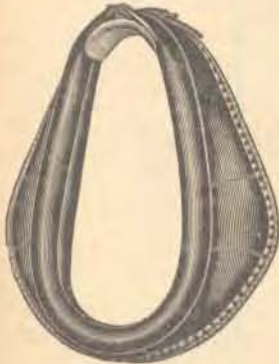
Sizes 17 to 22 Inches

AB 14—Straight pattern. Average weight per dozen 90 lbs.....Each \$1.79

Sizes 19 to 22 Inches

AB 014—Half Sweeney shape. Average weight per dozen 90 lbs.....Each \$1.79

One-half dozen in a carton.



TEAM

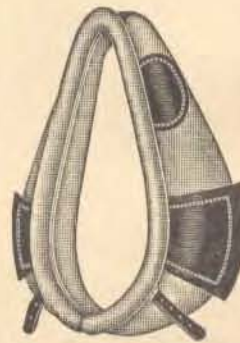
About 16-Inch Draft

All black oil grain upper leather. Whole rim. Pieced back. Thong sewed throughout. Hair face. Sole leather neck pad—1-inch buckle and billet at top.

Sizes 18 to 22 Inches

AB 400KW — Straight pattern. Average weight per dozen 90 lbs.Each \$3.95

One-half dozen in a corrugated paper box.



LANKFORD'S FLEXICURE (Patented)

Cotton Filled—Anti-Chafing

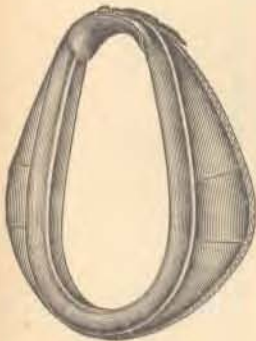
Made on scientific principles to fit perfectly. Will cure and prevent galls and sore shoulders. Collar is open at bottom allowing it to follow animal's shoulder while in motion and permits removing collar, hames and harness at one time.

Heavy sail duck, with heavy leather chafes. Well sewed throughout. Stuffed with specially prepared and medicated absorbent cotton that has remarkable healing properties and will not become hard. Open at bottom, stuffed over top. Fitted with straps and buckles for holding hames.

Sizes 16 to 23 Inches

AB PLF—Average weight per dozen 70 lbs..Each \$1.49

One-half dozen in a burlap sack.



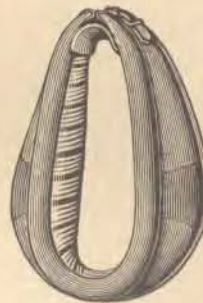
MEDIUM WEIGHT TEAM About 15-Inch Draft

Heavy split leather. Fair leather pieced back and rim. Best grade grey chrome leather face. Thread sewed throughout. Semi-throatless. Sole leather neck pad—1-inch buckle and billet at top.

Sizes 17 to 20 Inches

AB 225KW — Straight pattern. Average weight per dozen 74 lbs.Each \$2.29

One-half dozen in a burlap sack.



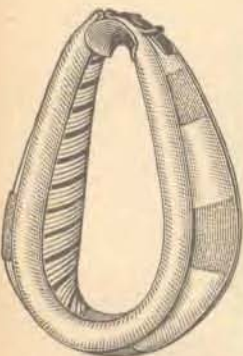
About 15-Inch Draft

Russet split leather back and rim. Split leather hame chafes and throat piece. Striped ticking face. Sewed middle seam. Pressed sole leather neck pad. ¾-inch buckle and billet.

Sizes 15 to 19 Inches

AB 150—Straight pattern. Average weight per dozen 63 lbs.Each \$1.39

One dozen in a burlap sack.



About 17½-Inch Draft

White duck back, with split leather reinforcements and throat piece. Heavy 6-inch rim—ticking face. Jumbo cushion padding. Two-row stitched middle seam. Stitched outside seam, with outside leather welt. Pressed sole leather neck pad. 1-inch buckle and billet.

Sizes 16 to 21 Inches

AB 175—Straight pattern. Average weight per dozen 86 lbs.....Each \$2.19

One dozen in a burlap sack.

GALL SALVE

BICKMORE'S

An astringent and antiseptic ointment for treating harness galls, wire cuts and other sores, on horses and cattle.

In 2 Oz. Metal Cans

AB 5—Weight per dozen
1½ lbs.Each \$0.35

One dozen cans in a carton.



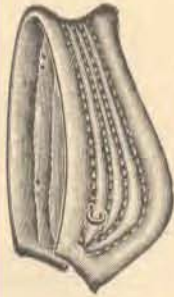
Note: When ordering—state number and specify size wanted.

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SWEAT PADS

COLLAR PADS PREVENT SORE SHOULDERS

100% DEER HAIR STUFFING NON-IRRITATING—COOL



Yellow and white drill (yellow outside, white inside) Five rows quilting. Plain eye. Four steel japanned spring hooks, riveted to pad.

12 inches wide from seam to seam at hame chafe or broadest point.

Sizes 21 to 26 Inches
AY 60M—Average weight per dozen 26 lbs.....Each \$0.98

LONG LASTING

Blue striped heavy awning (drill) with plain edge. Four japanned steel hooks (two on each side). Five rows quilting. Jute stuffing.

AB 80—Average weight per dozen 26 lbs.....Each \$0.79

Width given is from seam to seam at hame chafe or broadest point below quilting.

Size, In.	19	20	21	22
Width, In.	13	14	14	14

Size, In.	23	24	25	26
Width, In.	14	14	14	14

STUFFED EXTRA THIN

Enamel drill face and brown drill back. Seven rows quilting. Composite stuffed. Four japanned steel spring hooks. Width 11 inches.

Sizes 19 to 26 Inches.

AY 148T—Average weight per dozen 32 lbs.....Each \$0.69

U. S. THINNER PADS

A pad of excellent quality, well made but thinner and lighter than regular style sweat pads.

Blue color drill with extended red felt edges. Four japanned steel spring hooks. Seven rows of quilting. Jutine stuffing.

11 inches wide from seam to seam at hame chafe or broadest point before quilting.

Sizes 18 to 26 inches.

AB 11—Average weight per dozen 26 lbs.....Each \$0.59

One dozen in a fibre carton.

Note—When ordering—state number, and specify size wanted.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

VENTIPLEX

Unusually Cooling

Made of several layers of wool hair and India fibre. A practical and special made fabric, so constructed that it forms a strong porous and yet soft material. The two facings are of long staple wool—next to each of these are stays of India fibre—the center is composed of coarse wool and hair.

The long wool fibres of the facings are interlaced through and through, from side to side—

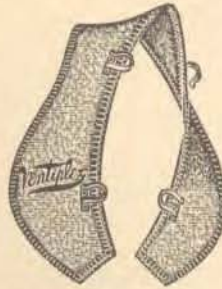
forming a wick in the thousands of small holes or pores in the fabric which carry the moisture to the outer side and permits of free circulation. Cooling—cures gall sores. Washable—holds its shape.

Gray fabric 3/8-inch thick, heavy twine bound. Four black japanned steel hooks.

Sizes 18 to 24 Inches

AB V10—10 inches wide at hame chafe or widest pointEach \$0.57

AB V11—11 inches wide at hame chafe or widest pointEach .65



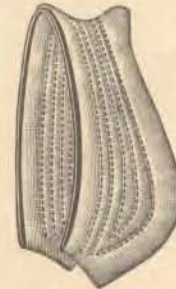
REVERSIBLE—WITHOUT HOOKS

Old gold drill. Jute stuffed, with five rows of quilting. Extended red felt edge.

AB 12REach \$0.57

Width given is from seam to seam at hame chafe or broadest point before quilting.

Size, In.	18	19	20	21	22	23	24
Width, In.	11	11	12	12	12	12	12



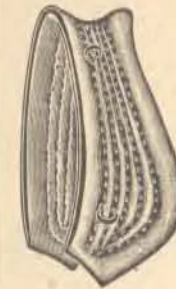
Old gold drill face and back with extended red felt edge. Four japanned steel spring hooks—riveted to pad. Five rows quilting. Jute stuffing.

AY 20Each \$0.49

Width given is from seam to seam at hame chafe or broadest point before quilting.

Size, In.	17	18	19	20	21
Width, In.	11	11	11	12	12

Size, In.	22	23	24	25	26
Width, In.	12	12	12	12	12



One dozen in a carton.
Average weight per dozen 26 lbs.

SOLO

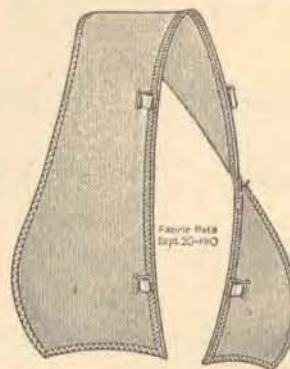
Keeps Horse Dry and Cool
This porous pad is cooling, prevents gall, is washable and holds its shape.

Made of a fabric of several layers of brown India fibre about 3/8 inch thick and bound with heavy twine. Four japanned steel hooks. 10 inches wide at hame chafe or widest point.

Sizes 18 to 23 Inches

AB SO/10 — Average weight per dozen 15 lbs.Each \$0.47

Two dozen in a carton.



COLLAR PADS



No. AY 5

Specially Shaped. Size 5½x6¼ inches.

AB 5—Weight per dozen 6 lbs.....Each \$0.98

Flat (Not Shaped). Size 6x10 inches.

AB 610—Weight per dozen 8 lbs.....Each \$0.95

GENUINE DEERSKIN

Long Lasting

One-piece genuine North American deerskin, with high grade oak sole leather pad. Straps and buckles riveted on.

LIGHTHOUSE (AIRFLOW)

These pads are made of genuine live sponge rubber. Cool, soft and healing. May be washed.

Flexible rubber is cold vulcanized to waterproof duck and will not separate. Complete with strong leather

straps riveted and clinched through leather reinforcements. Size 6½x10 inches.

AB 100—Weight per dozen 8 lbs.....Each \$0.89

Packing—bulk.

PRESSED ZINC

Durable

These pads are made of high quality smooth pressed zinc and are designed for use under collars to prevent and cure galls. Fitted with two ½-inch harness leather straps with buckles.



Nos.	Each	Size Nos.	Size In.	Wt. per Doz., Lbs.
AB SZ6½	\$0.69	6½	5¼x4¼	8
AB SZ7½	.75	7½	6½x5½	12

Two dozen in a case.

BELL COLLARS

LEATHER



COW OR HORSE

Creased edges. Japanned bar buckles, riveted on.

Made up length 36 inches.

Nos.	Each	Width, Inches	Wt. Per Dozen, Lbs.
AB 361¼	\$0.40	1¼	3
AB 361½	.45	1½	4



COW OR HORSE

Single strap black harness leather, creased edges.

Japanned bar buckles, riveted on. Leather loop.

Made up length 35 inches.

Nos.	Each	Width, Inches	Wt. Per Dozen, Lbs.
AB 351¼	\$0.45	1¼	3½
AB 351½	.50	1½	4¼



SHEEP

Single strap black harness leather, width 1¼ inches.

Japanned roller buckles, riveted on. With leather loop.

Made up length 22 inches.

AB 221¼—Weight per dozen 2¼ lbs.....Each \$0.25

One-half dozen in a package.

Modernize Your Living Room with

SIMMONS

FURNITURE

Highest Quality Materials and Workmanship
Assure Years of Continuous Comfort. New
Modern Styling and Fabrics Will Make Your
Home Most Attractive.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SADDLES

FINEST QUALITY—FOR COMFORT, STRENGTH AND SMART APPEARANCE



WESTERN STOCK

• **Handsomely Hand-Stamped Heavy Russet Skirting—Copper Hand-Riveted Stock.**

Tree—Beef hide covered steel fork with 16-inch swell fork and leather-covered horn. **Seat**—15 inches. Beaded bound cantle. **Seat and jockey** in one piece.

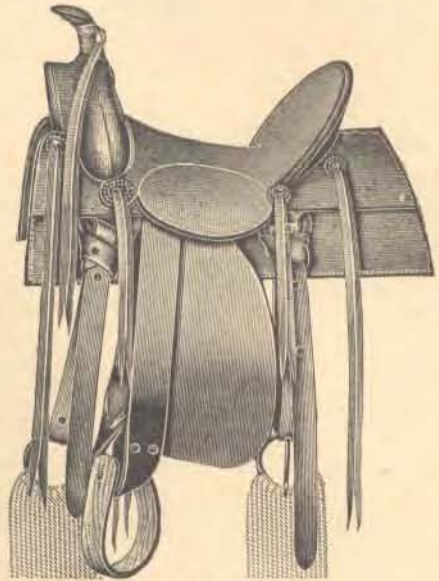
Fenders—16½x9½ inches—doubled and securely stitched. **Skirts**—28x14 inches. Sheep wool lined with rounded corners.

Stirrups—2½ inches brass-bound oxbow with foot leather—for added foot comfort.

Stirrup Leathers—3-inch, laced—with 3-inch extra lining to go around stirrups. Extra strong.

Riggings—1½-inch double rigging latigoes, to tie. 1¾-inch off billets to buckle. 1¼x16-inch connecting straps, ¾x28-inch rope snaps. 3-inch solid brass dees.

#AB 4731—Weight each 49 lbs.....Each \$75.75



TEXAS

Fair Leather—Smooth and Distinctive Plain Throughout.

• **An excellent saddle for general use—built strong and sturdy—fine quality materials and workmanship throughout.**

Tree—14½-inch, non-spreading, with 10-inch swell and leather-covered horn.

Seat—One-piece 14½-inch seat and jockey.

Fenders—8x15 inches. **Skirts**—12x24 inches—felt lined.

Stirrups—2-inch oxbow, extra lined for foot ease.

Stirrup Leathers—2-inch—strong, durable.

Riggings—1½-inch tie straps, 1¾-inch off billets, to buckle, leather-covered rings.

Girths—14-strand hair—stout, non-irritating.

#AB 680—Weight each 29 lbs.....Each \$33.75



TEXAS

Fair Leather—Fancy Stamped.

Tree—14x10-inch steel fork with leather - covered horn.

Seat—And jockey in one piece.

Fenders—14x7¾ inches.

Skirts—21½x11 inches, felt-lined.

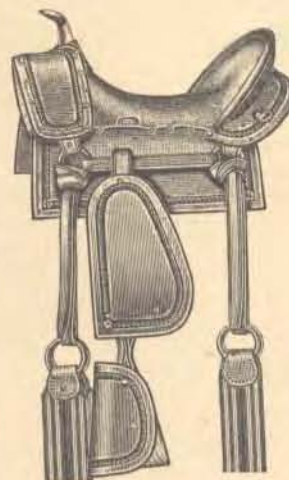
Stirrups—2-inch oxbow.

Stirrup Leathers—½-inch.

Riggings—1½-inch solid front strap. 1¼-inch tie latigoes.

Girths—15-strand hair—stout, non-irritating.

#A B 3 0 7 — Weight each 22 lbs.....Each \$23.75



LITTLE GENTS' Fair Leather—Russet Skirting Fancy Stamped.

• **Very high quality materials and workmanship—attractive finish, neatly patterned.**

Tree—Morgan style with nickel horn.

Seat—12 inches with beaded cantle.

Fenders—6x10 inches.

Skirts—14x6 inches.

Stirrups—3-inch, leather-covered.

Stirrup Leathers—1-inch, to buckle.

Riggings—¾-inch tie straps.

Girths—3 inches web. Sheep wool lined bars.

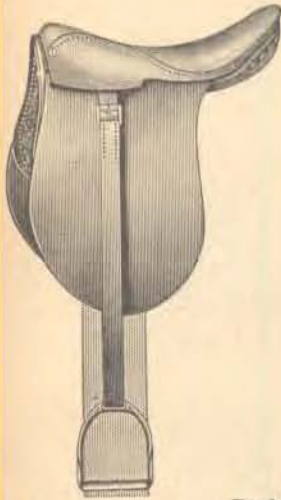
#AY 1262—Weight each 12 lbs.Each \$11.95

Packing—bulk.

#Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SADDLES



ENGLISH STYLE Fair Leather—Neat and Trim

Tree—17x10½ inches, straight.

Seat—Pigskin with pigskin impression skirts and jockeys.

Skirts—11 inches wide by 21 inches long from center of seat—grain leather pad sewed in.

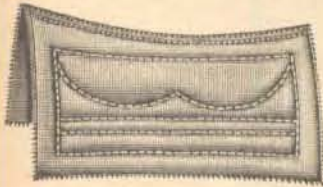
Stirrups—Nickeled.

Stirrup Leathers—1½-inch—hooks onto bars.

Girths—4-inch heavy web.
#AY 43—Weight each 16 lbs.....Each \$27.95

Packing—bulk.

RIDING SADDLE PADS OR BLANKETS



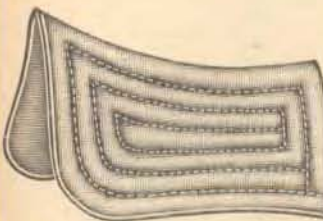
COMFORTABLE— LONG LASTING

Old gold drill. With pinked red felt edge and 5 rows quilting. Composite stuffing (cattle hair and jute). Reversible. Size 27x31 inches.

AB 30A—Weight per dozen 50 lbs.....Each \$1.10

Heavy duck. One side old gold, other side red color. With pinked red felt and 5 rows quilting. Composite stuffing (cattle hair and jute). Reversible. Size 31x31 inches.

AB 20A—Weight per dozen 68 lbs.....Each \$1.45



ROUGH RIDER

Economical—Practical
Old gold drill. With extended plain edge and 6 rows quilting. Composite stuffing (cattle hair and jute). Size 26x32 inches.

AB 201—Weight per dozen 35 lbs.....Each \$0.98

Two dozen in a burlap sack.

CINCHAS



TEXAS STRONG—WHITE COTTON

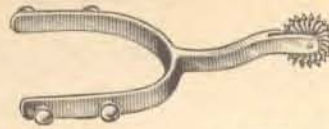
Nos.	Each	Strands	Width, In.
AB 160	\$0.45	15	5½
AB 161	.57	20	7

One dozen in a package. Weight per dozen 8 lbs.

Goods marked thus (#) are not carried in stock and can only be furnished by shipment direct from factory.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SPURS



Polished steel with 1½-inch blue steel rowel. 2¾-inch curved shank. Four spur strap buttons.

Without Strap

AB 1176½—Weight per dozen pairs

6 lbs. Per Pair \$1.65

With Black O.K. Spur Straps

AB 1176½S—Weight per dozen pairs

8 lbs. Per Pair \$1.75



ENGLISH

Malleable iron. XC plate (tinned) with ¾-inch blued steel rowel. 1-inch slightly curved shank. ½-inch spur strap loops.

Without Straps

AB 2006—Weight per dozen pairs 3 lbs.....Per Pair \$0.40

With ¾-Inch Black or Fair Common Spur Straps

AB 2006S¾—Weight per dozen pairs

2½ lbs. Per Pair \$0.50

One-half dozen pairs in a carton.

SPUR STRAPS

COMMON



Black or fair strap leather 16 inches long, ¾ inch wide. XC plate (tinned) buckle, riveted on.

AB 14¾—Weight per dozen pairs ¾ lb...Per Pair \$0.15

One dozen pairs in a bundle.

O.K.

Black leather, with billet and tinned buckle riveted on. For use with No. AB 1176½ spurs.

AB 8—Weight per dozen pairs 2½ lbs.

Per Pair \$0.30

Packing—bulk.



STIRRUPS

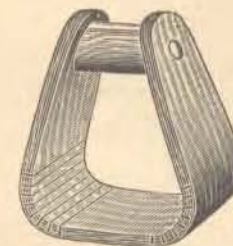
TEXAS PATTERN

Easy Riding—Strong Wood

Sawed plain ash ½-inch thick. Iron bolt through bar. Bar 1½ inches in diameter, 3 inches long. Inside measurements 5 inches wide, 4¾ inches high. Width at bottom 5 inches.

AB 45—Weight per dozen pairs 24 lbs.....Per Pair \$0.50

Packing—bulk.



STEEL HAMES

STREAMLINE—BOLT DRAFT

Are 60% to 70% Stronger Than Wood Hames.

This hame is gracefully streamlined—its perfectly rounded shape fits snugly under the collar roll.

Welded steel body with hardwood filler. Has 2-inch brass ball, 2-inch one-stud line ring, loose bolt draft and bottom loop.

Hard baked black enameled finish with red band.

For 21 and 22 inch collars.

AY 522—Weight per dozen pairs
75 lbs.....Per Pair \$2.59

Three dozen pairs in a case.

For 23, 24 and 25 inch collars — 2½-inch draft bolt.

AY 524—Weight per dozen pairs
93 lbs.....Per Pair \$2.98

Two dozen pairs in a case.



STREAMLINE—CLIP DRAFT

Are 60% to 70% Stronger Than Wood Hames.

This hame is gracefully streamlined—its perfectly rounded shape fits snugly under the collar roll.

Welded steel body with hardwood filler. Has 2-inch brass ball, combination loop, 2-inch one-stud line ring, 1½-inch extra back strap ring and clip draft, hold back plate with 2-inch ring and bottom loop.

Hard baked black enameled finish, with red band.

For 21 and 22 inch collars.

AY 522C—Weight per dozen pairs
75 lbs.....Per Pair \$2.59



STREAMLINE—LONE STAR RED-O-LITE UNBREAKABLE BALL

Are 60% to 70% Stronger Than Wood Hames

This hame is gracefully streamlined—its perfectly rounded shape fits snugly under the collar roll. The unbreakable Red-o-lite ball is permanently red and matches any harness trim.

Welded steel body with hardwood filler. Has 2-inch Red-o-lite ball, 2-inch one-stud line ring, 1½-inch extra back strap ring, draft hooks with "Lone Star" attachment, 2-inch breast ring and bottom loop.

Attractive hard baked black enameled finish with red band.

For 21 and 22 inch collars.

AB 512LS—Weight per dozen pairs
75 lbs.....Per Pair \$2.49



Three dozen pairs in a case.

HAMES

LONE STAR — CONCORD, 3-LOOP STAGE

Adjustable Draft

Varnished hardwood, with flat steel back 2½ inches wide, 1 inch thick at draft and 2½ inches long. Top loops 1½ inches wide—2-inch one-stud line ring—1¾-inch wrought breast ring. Draft hook with "Lone Star" attachments. All metal parts polished.

For 17 to 20 inch collars.

AB 61LS—Weight per dozen pairs
68 lbs.....Per Pair \$1.29



LONE STAR—LIGHT PATTERN—3-LOOP STAGE Adjustable Draft

Varnished hardwood, with ¾-inch flat steel back extending around bottom. Size 2½ inches wide, 1 inch thick at draft, 25 inches long. Mortised top loops 1½ inches wide. Loose bottom loop 1½ inches wide, 1¾-inch single stud line rings, 1¾-inch breast ring, "Lone Star" adjustable draft. Fits 17 to 20 inch collars. All metal parts polished.

AB 1LS—Weight per dozen pairs
45 lbs.....Per Pair \$0.89

LONE STAR — NEW TYPE 3-LOOP STAGE

Adjustable Draft

Varnished hardwood body, with mortised top loops. Structural channel steel back shaped and fitted snugly over the tongue on wood with projecting ends bent over at top and bottom and securely riveted. Loose bottom loop. All steel trimmings. "Lone Star" adjustable draft—1¾-inch breast ring.

Hame is 25 inches long, 1¾ inches wide, 1 inch thick at draft with 1¾-inch single stud line ring.

For 17 to 20 inch collars.

AB 461LS—Weight per dozen
56 lbs.....Per Pair \$1.09

For 19 to 22 inch collars.

AB 462LS—Weight per dozen
63 lbs.....Per Pair \$1.35



One dozen pairs in a sack. Five dozen pairs in a case.

HAME TUGS



With Clips

Strong malleable iron tugs and hooks with wrought steel clips—japanned finish. Size 1½ inches. Length 12½ inches.

AB 474J1½—Weight per set (4)
5½ lbs.....Per Set (4) \$2.50



Strong malleable iron tugs and hooks—japanned finish.

Nos.	Per Set (4)	Size In.	Length, In.	Wt. per
				Set, Lbs.
AB 471J1½	\$2.85	1½	12½	5½
AB 471J1¼	2.95	1¾	12½	6¼

One set in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

HAME FASTENERS

"GGG"



Cadmium plated. Four-link twisted steel chain, with wrought steel frame and lever. Malleable hook on one end and malleable hook with

cotter or the other. Adjustable from 5 to 8 inches.
AB 1932—Weight per dozen 8¼ lbs.....Each \$0.49

One dozen in a carton.

HAME FASTENERS OR CHAINS

SUCCESS



Wrought twist link chain 12 inches long, No. 3 wire. ½-inch steel hooks, with clipper snap to hold chain secure. Adjustable from 4½ to 14 inches.

Japanned finish.

AB 20—Weight per dozen 9½ lbs.....Each \$0.45

One dozen in a carton.

HAME CLIPS

THREE-HOLE

For wood hames



Wrought steel, polished. Tongues approximately 5¼

inches long; ¾-inch loop—inside measurement ¾ inch.
AB 984—Weight per dozen 3½ lbs.....Each \$0.12

TWO-HOLE

For wood hames



Wrought steel, polished. Tongues 3 and 3¼ inches long, ¾ inch wide, with

¾-inch loop—inside measurement ¾ inch.
AB 982—Weight per dozen 3 lbs.....Each \$0.08

Two dozen in a carton.

CONCORD CLIPS

COOPER'S

STRAIGHT CONCORD CLIPS

Heavy malleable iron, japanned

Showing How Clip Is Attached



AB 10A—1¾ inches.....Each \$0.10
AB 10B—2 inches.....Each .10

One dozen in a carton.
Weight per dozen 8 lbs.

HAME STAPLES



Polished steel, tapered to drive through hames. Length over all 3½ inches. Complete with washers. Length shank at shoulder 2¾ inches.

Nos.	Each	Width		Doz.	Wt. Per Doz., Lbs.
		Shank at	Shoul-der, in		
AB 957	\$0.10	¾	7/8	2	2¼
AB 960	.07	¾	1 1/8	1	1½

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

BOTTOM CLIPS AND LOOPS

FOR HAMES



For repairing hames on which bottom loops are broken. Wrought steel clip 1 1/8 inch wide, 1¾ inches long with steel bottom loop for 1-inch strap.

AB 1968—Weight per gross 21 lbs.....Each \$0.08

One dozen in a carton.

FOR STEEL HAMES



Steel loop with steel roller and black japanned steel clip. For 1¼-inch strap.

AB 1981—Weight per dozen 2 lbs.....Each \$0.08

One dozen in a carton, with rivets.

SCREW BOTTOM LOOPS

FOR HAMES



Malleable iron, polished. Will take 1-inch strap. For hame steel ¾ inch wide. Screw connection.

AB 978—Weight per dozen 1 lb.Each \$0.08

FOR HAMES



Malleable iron, polished. Will take 1¼-inch strap. For hame steel ¾-inch wide. Screw connection.

AB 977—Weight per dozen 1½ lbs.Each \$0.12

Three dozen in a carton.

HAME LINE RINGS



Polished welded steel rings 2 inches in diameter with 2-inch steel tongue or stud. Furnished with washers.

AB 995—Weight per dozen 1 lb.Each \$0.07

One dozen in a carton.

BOLT STUDS

REGULAR



Polished steel. Length 4 inches. Used in connection with hame bolts No. 5.

AB 997—Threaded. Weight per dozen 1¼ lbs.Each \$0.10

AB 997½—Plain. Weight per dozen 1¼ lbs.Each .10

Two dozen in a carton.

HAME HOOKS

GENUINE LONE STAR



Drop forged steel—heat treated. For hames with ratchet feature. Length over all 2½ inches.

AB 900—Weight per dozen 3 lbs.....Each \$0.07

One dozen in a carton.

HAME TUG HOOKS



Used in connection with hame tugs Nos. AB 471 and AB 474.

Malleable iron—durable japanned finish.

AB 271J—Weight per dozen 1¾ lbs.....Each \$0.10

Two dozen in a carton.

HAME RATCHETS

FOR LONE STAR HAMES



Polished wrought steel. Small hole pattern with six holes (standard) for No. AB 900 hame hooks. Complete with springs and rivets.

AB 902—Weight per dozen 2½ lbs.....Each \$0.19

One dozen in a carton.

STRAIGHT BUGGY WHIPS



ATLANTIC—LENGTH 6 FEET

Full stocked java—black color. Loaded butt, two long russet buttons and Philadelphia snap.

AB U50—Weight per dozen 6 lbs.....Each \$0.59



RED SEA—LENGTH 6 FEET

Full stocked java—black color. Round end. One combination thumb button. Philadelphia snap.

AB U25—Weight per dozen 6 lbs.....Each \$0.35

One-quarter dozen in a package.

HAME RIVET NAILS



Polished, 7-gauge steel. Length 1½ inches. Head 11/16 inch.

AB 9671½—Weight per lbs.....Per Lb. \$0.21

Packing—bulk.

HAME RIVETS

Iron wire, size 7, with oval head.

Nos.	AB 7¾	AB 7/1
Length, Inches	7/8	1
Per Pound	\$0.19	.19

One pound in a carton; 100 lbs. in a case.

DROP TOP WHIPS



Four-plait brown and tan mixed cover with 3 ft. java stock and 2¾ ft. solid leather drop top. Length over all 5¾ ft.

AB 25C—Weight per dozen 3½ lbs.....Each \$0.25

One-half dozen in a package.



Four-plait russet and black plaited cover with 5 ft. java stock and 2½ ft. drop top. Length over all 7¼ ft.

AB 230—Weight per dozen 4 lbs.....Each \$0.69

One-quarter dozen in a package.

LASHES



STRONG—FLEXIBLE

Four-plait white horse hide stage lashes, with loop and snap plaited in.

Nos.	Each	Length, Feet	Wt. Per Doz., Lbs.
AB 116	\$0.37	5	4½
AB 117	.43	6	4½

EXTRA STRONG

Four plait Texas horsehide ox lashes, with loop and snap plaited in.

Nos.	Each	Length, Feet	Diameter at Swell, Inches	Wt. Per Doz., Lbs.
AB 127	\$0.49	6	½	4
AB 128	.65	6	¾	6

Packing—bulk.

HARVESTER OR BINDER WHIPS



LONG LIGHT FLEXIBLE—BAMBOO STOCK

Extra fine sun-dried Japanese bamboo stock—10 feet long, with 5-foot white thread plaited drop and thread lash. Length over all 15 feet.

AB 1800—Weight per dozen 7½ lbs.....Each \$0.59

Six dozen in a bundle.



LONG HEAVY DUTY—LONG LASTING WOOD STOCK

Black ebonized wood stock—10 feet long, with 5-foot black thread plaited drop and thread lash. Length over all 15 feet.

AB 1802—Weight per dozen 10 lbs.....Each \$0.98

One-quarter dozen in a bundle.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

BRIDLE BITS



SAW MOUTH

XC plate (tinned). Flexible mouthpiece 7 inches long—made of five pieces of wrought iron riveted together, with zig zag or saw shaped edge. Malleable ring 2¼ inches riveted in each end.
AB 79X—Weight per dozen 6½ lbs.....**Each \$0.59**

One-half dozen in a carton.



RUBBER MOUTH

Cadmium plated. Rings 2¼ inches, with 5-inch rubber-covered mouth-piece.
AB 832—Weight per dozen 6 lbs.....**Each \$0.59**

One dozen in a carton.



XC plate (tinned). Steel rings 2¼ inches, with 6-inch double wire twist—jointed mouth.
AB 855X—Weight per dozen 7 lbs.....**Each \$0.30**

One-half dozen in a carton.



Forged loose rings 2¼ inches in diameter.

XC Plate Tinned

AB 47X—6-inch jointed steel mouth.....**Each \$0.17**

Polished Finish

AB 47P—6 inches jointed steel mouth.....**Each \$0.15**

AB 47PS—5½ inches stiff steel mouth.....**Each .13**

Packing—bulk. Weight per dozen 7 lbs.

**KEEN KUTTER
TABLEWARE**

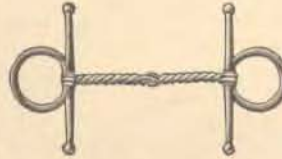
*Will Look Mighty Nice
On Your Dinner Table*

The Long Lasting
Stainless Metals
and
Attractive Handles

Add a
Gay Harmonious Note
to Your Service

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

BRIDLE BITS



SINGLE WIRE

XC plate (tinned). Malleable rings 1¾ inches, with 5¾-inch full balled cheeks and 6-inch single wire twist, jointed mouth.
AB 875X—Weight per dozen 4 lbs.....**Each \$0.30**



Single wire twist jointed curved mouthpiece, 6 inches long.

Cadmium Plated—2½-Inch Rings

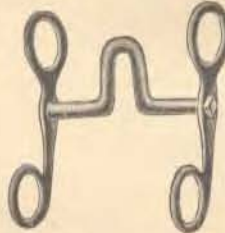
AB 547½—Weight per dozen 4½ lbs.....**Each \$0.17**

Heavy, 2¾-Inch Rings

AB 840½—Weight per dozen 7 lbs.....**Each \$0.19**

Polished Finish—2½-Inch Rings

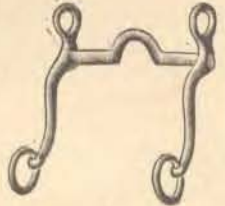
AB 547½P—Weight per dozen 4½ lbs.....**Each \$0.15**



DAISY

Blueed. Malleable iron, 5½-inch cheeks—with 1¼-inch cheek loops and 1½-inch line loops. 4¾-inch mouth, with 1½-inch port.

AB 938B—Weight per dozen 7 lbs.**Each \$0.59**



XC plate (tinned). Malleable frame with 5-inch cheeks—wrought rings 1¼ inches and 1-inch cheek loops. 4½-inch mouth, with ¾-inch port.

AB 632X—Weight per dozen 6 lbs.**Each \$0.49**

One-half dozen in a carton.

**HARNESS LEATHER
OAK TANNED—FULL SIDES**



The finest leather obtainable both in quality and price. Only animal fats are used as a lubricant. Outstanding characteristics—plump shoulders, close trim, bright finish, smooth grain, clean unwashed flesh, firm bellies, high tensile strength and excellent wearing qualities.

Black. Full sides weighing 17 to 25 lbs.

AB HLB.....**Per pound \$0.69**

In rolls.

HARNNESS SNAPS



SECURITY PATTERN SWIVEL, ROUND EYE
XC plate (tinned) with aluminum steel spring—rustproof. Size of eye ¾ inch.

AB 72—Weight per gross 15 lbs.....Each \$0.15

One-half gross in a carton.



IMPROVED LOOP EYE
Imitation rubber. Flexible non-corrosive steel spring. Lip is sunken to prevent spring from slipping from under it.

Nos.	Each	Size Eye, Inches	Wt. Per Gross, Lbs.
AB 351	\$0.05	¾	10
AB 352	.06	7/8	11
AB 353	.06	1	12
AB 354	.07	1 1/8	15

One-half gross in a carton.

AB 355	\$0.08	1 ¼	24
AB 356	.09	1 ½	26
AB 357	.10	1 ¾	28
AB 358	.12	2	30

One-fourth gross in a carton.



YANKEE—ROUND EYE
Cadmium-plated malleable-iron body, pressed steel tongue, riveted at joint. Brass lever spring. 5/8-inch round eye.

AB 815 5/8—Weight per gross 15 lbs.....Each \$0.10

One-half gross in a carton.



POLO-SWIVEL ROUND EYE
Nickel-plated malleable body, with round swivel eye. Rustproof spring.

Nos.	Size Eye, In.	Wt. per Gross, Lbs.	Each
AB 337NP ¼	¼	2 ¾	\$0.08
AB 337NP ¾	¾	3	.08

One gross in a carton.



SQUARE EYE—BOLT
XC plate (tinned)—Rustproof

Nos.	Each	Size Eye, Inches	Gross in Carton	Wt. Per Gross, Lbs.
AB 115	\$0.07	1	1 ½	18
AB 120	.09	1 1/8	1 ½	20
AB 125	.10	1 ¼	1 ½	30
AB 130	.13	1 ½	1 ½	31
AB 135	.14	1 ¾	1 ¼	35
AB 140	.15	2	1 ¼	40



IMPROVED POLO WITH LOOP EYE
XC plate (tinned). Aluminum steel spring—rustproof. Lip is sunken to prevent spring from slipping from under it.

Nos.	Each	Size Eye, Inches	Gross in a Carton	Wt. Per Gross, Lbs.
AB 51	\$0.07	¾	1 ½	10
AB 52	.07	7/8	1 ½	11
AB 53	.07	1	1 ½	12
AB 54	.08	1 1/8	1 ½	15
AB 55	.09	1 ¼	1 ¼	24
AB 56	.10	1 ½	1 ¼	26



SQUARE EYE BOLT
Black imitation rubber with brass bolt.

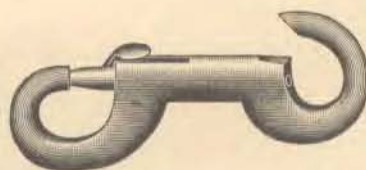
Nos.	Each	Size Eye, Inches	Gross in a Carton	Wt. Per Gross, Lbs.
AB 315	\$0.08	1	1 ½	12 ½
AB 320	.09	1 1/8	1 ½	15
AB 325	.10	1 ¼	1 ½	21
AB 330	.12	1 ½	1 ½	23



ROUND SWIVEL
XC plate (tinned).

Nos.	Each	Size Eye, Inch	Wt. Per Gross, Lbs.
AB 160	\$0.15	5/8	16 ½
AB 161	.16	¾	18
AB 162	.19	7/8	21

One-quarter gross in a carton.



OPEN DIRECT EYE, TRACE OR BREAST CHAIN
XC plate (tinned). Heavy weight. Spring enclosed in a solid socket. Size of eye ½ inch. Length over all 4 inches.

AB 48X—Weight per gross 28 lbs.....Each \$0.23



ROUND EYE, PLAIN
XC plate (tinned)—Size of eye ¾ inch.

AB 19—Weight per gross 17 lbs.....Each \$0.09

One-half gross in a carton.



OPEN DIRECT EYE, TRACE OR BREAST STRAP
XC plate (tinned). Heavy weight. Size of eye ½ inch.

AB 522—Weight per gross 24 lbs.....Each \$0.17

One-third gross in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

HARNESS SNAPS



OPEN DIRECT EYE
XC plate (tinned). Size of eye $\frac{3}{8}$ inch.

AB 520—Light weight. Weight per gross 12 lbs. Each \$0.12

AB 521—Medium weight. Weight per gross 15 lbs. Each .14



DOUBLE

XC plate (tinned) rust-proof. Length 4 inches.

AB 511—Weight per gross 19 lbs.....Each \$0.19



KLINGSNAPS WITH ROUND EYE

One continuous piece of spring steel wire, XC plate (tinned).

Nos.	Each	Gauge of Wire	Diameter of Eye, Inch	Wt. Per Gross, Lbs.
AB 1507	\$0.05	7	$\frac{5}{8}$	10
AB 1508	.06	13	$\frac{3}{4}$	11

One-half gross in a carton.

POLO BIT SNAPS



XC plate (tinned). Rustproof aluminum steel spring. Inside measurement 2 inches.

AB 421—Weight per gross 10 lbs.....Each \$0.08

One-half gross in a carton.

BABY SNAPS



XC plate (tinned) with rustproof spring, and $\frac{1}{2}$ -inch loop.

AB 20B—Weight per gross 2 $\frac{3}{4}$ lbs.....Each \$0.05

BAG SNAPS



Nickel plated with flat steel spring and $\frac{5}{8}$ -inch swivel loop eye.

AB 25—Weight per gross 2 $\frac{3}{4}$ lbs.....Each \$0.08

One gross in a carton.

SWIVEL ROPE SNAPS



A practical, strong and durable snap that will do well the work for which it is intended.

Galvanized S. R. P. finish. Heavy wire snap, with flat steel spring and wire eye. Length over all 4 $\frac{1}{2}$ inches. Eye $\frac{3}{8}$ inch.

AB 406—Weight per gross 20 $\frac{1}{2}$ lbs.....Each \$0.08

One-quarter gross in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

MARTINGALE SNAPS



YANKEE—SWIVEL

XC plate (tinned). Malleable body and pressed steel tongue with spiral spring. Swivel loop with screw pin and roller.

Nos.	Each	Size Loop, Inches	Wt. Per Doz., Lbs.
AB 865X1 $\frac{1}{2}$	\$0.49	1 $\frac{1}{2}$	8
AB 865X1 $\frac{3}{4}$	.55	1 $\frac{3}{4}$	9



YANKEE—MARTINGALE OR CHOKE

XC plate (tinned). Malleable body and pressed steel tongue with spiral spring. Screw pin and roller.

Nos.	Each	Size Loop, Inches	Wt. Per Gross, Lbs.
AB 845X1 $\frac{1}{2}$	\$0.25	1 $\frac{1}{2}$	42
AB 845X1 $\frac{3}{4}$	.29	1 $\frac{3}{4}$	45

One dozen in a carton.

BREAST STRAP ROLLER SNAPS



YANKEE

Cadmium plated. Malleable body with pressed steel tongue and brass lever spring. Large roller steel rivet.

Nos.	Each	Width Roller, Inches	Wt. Per Doz., Lbs.
AB 851 $\frac{1}{2}$	\$0.33	1 $\frac{1}{2}$	7 $\frac{1}{2}$
AB 851 $\frac{3}{4}$	.37	1 $\frac{3}{4}$	8 $\frac{1}{2}$
AB 852	.45	2	9

One dozen in a carton.

BREAST STRAP SNAPS WITH BUCKLE



FAVORITE

XC plate (tinned) stamped steel lever. Buckle 1 $\frac{1}{2}$ inches wide.

AB 894—Weight per dozen pairs 13 lbs...Per Pair \$0.75

One-half dozen pairs in a carton.

HEEL CHAIN SNAPS



YANKEE—TRACE OPEN EYE

XC plate (tinned). Malleable body, with patented overhanging and tapering eye. Pressed steel tongue, with spiral spring. Size of eye $\frac{1}{2}$ inch. Length over all 4 inches.

AB 826AX—Weight per gross 33 lbs.....Each \$0.19

One-quarter gross in a carton.

BREAST CHAIN SNAPS



YANKEE DOUBLE END

Malleable iron body with pressed steel tongues, riveted at joints. Brass lever springs.

Light. Cadmium finish. Length over all 3 3/4 inches.
AB 853—Weight per gross 20 lbs.....Each \$0.15

One-quarter gross in a carton.

Heavy. Polished. Length over all 5 1/4 inches.

AB 855—Weight per gross 54 lbs.....Each \$0.19

One dozen in a carton.



YANKEE—CENTER

Polished, Malleable body. Pressed steel tongue. Brass lever spring.

AB 850—Weight per dozen 9 lbs...Each \$0.33

One dozen in a cardboard box.

BREAST STRAP SNAPS AND SLIDES



YANKEE

XC plate tinned. Malleable iron strap slide and snap. Pressed steel tongue with spiral spring. Steel pin.

Nos.	Each	Size Slide, Inches	Wt. Per Doz., Lbs.
AB 46X1 1/2	\$0.45	1 1/2	10
AB 46X1 3/4	.49	1 3/4	11
AB 46X2	.55	2	12

One-half dozen in a carton.



YANKEE WITH MARTINGALE ATTACHMENT

Convenient—Durable

XC plate tinned. Malleable iron strap slide, screw Martingale loop, and snap. Pressed steel tongue with spiral spring—steel pins.

Lefts and Rights

Nos.	Each	Size Slide, Inches	Size Loop, Inches	Wt. Per Doz., Lbs.
AB 246X1 1/2	\$0.75	1 1/2	1 1/2	11
AB 246X1 3/4	.79	1 3/4	1 3/4	12 1/4

One-third dozen (two each left and right) in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

HARNESS BUCKLES



Black japanned steel. Easy working tongues and improved loose roller construction, for quick, easy handling.

Nos.	Each	Size, Inches	Gross in Carton	Wt. Per Gross, Lbs.
AB 420J 1/2	\$0.03	1/2	1	2
AB 420J 5/8	.03	5/8	1	2 3/4
AB 420J 3/4	.03	3/4	1	3 1/4
AB 420J 7/8	.04	7/8	1 1/2	4 1/2
AB 420J1	.05	1	1 1/2	6
AB 420J1 1/4	.06	1 1/4	1 1/2	9



LOOP PATTERN

Black japanned steel. Easy working tongues and improved loose roller construction, for easy, quick handling.

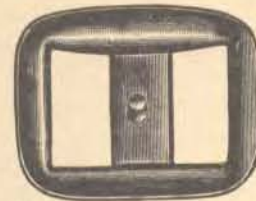
Nos.	Each	Size, Inches	Gross in Carton	Wt. Per Gross, Lbs.
AB 150J 5/8	\$0.04	5/8	1	4 3/4
AB 150J 3/4	.04	3/4	1	5 3/4
AB 150J 7/8	.04	7/8	1 1/2	8 3/4
AB 150J1	.04	1	1 1/2	9 1/2
AB 150J1 1/8	.05	1 1/8	1 1/2	12 3/4
AB 150J1 1/4	.06	1 1/4	1 1/2	14 1/2
AB 150J1 1/2	.07	1 1/2	1 1/2	18

One dozen in a carton.



Fine Quality—Long Service
Japanned steel, with barrel roller.

Nos.	Each	Size, Inches	Gross in Carton	Wt. Per Gross, Lbs.
AB 50J 5/8	\$0.03	5/8	1	3
AB 50J 3/4	.03	3/4	1	3 3/4
AB 50J1	.04	1	1	6 1/4
AB 50J1 1/8	.04	1 1/8	1 1/2	7 1/2
AB 50J1 1/4	.05	1 1/4	1 1/2	9 1/2
AB 50J1 1/2	.05	1 1/2	1 1/2	12

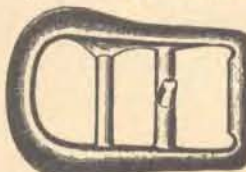


ECONOMY

Japanned finish. Steel type.

Nos.	Each	Size, Inches	Gross in Carton	Wt. Per Gross, Lbs.
AB 550J 3/4	\$0.04	3/4	1	4
AB 550J1	.05	1	1 1/2	4
AB 550J1 1/8	.05	1 1/8	1 1/2	4 1/2
AB 550J1 1/4	.06	1 1/4	1 1/2	5 1/2
AB 550J1 1/2	.07	1 1/2	1 1/2	4 1/4

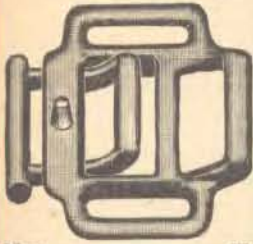
CROSS REIN BUCKLES



Japanned finish. Malleable iron.

Nos.	Each	Size, Inches	Gross in Carton	Wt. Per Gross, Lbs.
AB 200J1	\$0.06	1	1 1/2	4
AB 200J1 1/8	.07	1 1/8	1 1/2	4 1/4
AB 200J1 1/4	.08	1 1/4	1 1/2	5

CHAMPION TRACE BUCKLES



TWO-LOOP

Japanned finish. Malleable iron.

Nos.	Each	Size, Inches	Wt. Per Doz., Lbs.
AB 175J1 1/2	\$0.23	1 1/2	5
AB 175J1 3/4	.25	1 3/4	5 1/2

One dozen in a carton.

CONWAY BUCKLES

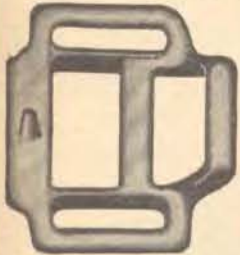


IMPROVED PATTERN

Japanned finish. Malleable iron.

Nos.	Each	Size, Inches	Gross in Carton	Wt. Per Gross, Lbs.
AB 210J 3/4	\$0.03	3/4	1/2	7 1/2
AB 210J 5/8	.03	5/8	1/2	8 1/2
AB 210J1	.04	1	1/2	9
AB 210J1 1/8	.05	1 1/8	1/2	11
AB 210J1 1/4	.06	1 1/4	1/2	13 1/2
AB 210J1 1/2	.07	1 1/2	1/2	16 1/2

BUCKLE FRAMES



CHAMPION

Japanned finish. Sturdy malleable iron.

Nos.	Each	Size, Inches	Wt. Per Doz., Lbs.
AB 175FJ1 1/2	\$0.17	1 1/2	3 1/2
AB 175FJ1 3/4	.19	1 3/4	4

One dozen in a carton.

TRACE BUCKLE BAILS



CHAMPION

Japanned finish. Regular pattern. Malleable iron.

Nos.	Each	Size, Inches	Wt. Per Doz., Lbs.
AB 175BJ1 1/2	\$0.07	1 1/2	1 1/2
AB 175BJ1 3/4	.08	1 3/4	1 3/4

Two dozen in a carton.

TWIN HARNESS LOOPS



IMPROVED PATTERN

Japanned finish. Malleable iron.

Nos.	Each	Size, Inches	Gross in a Carton	Wt. Gross, Lbs.
AB 192J 3/4	\$0.05	3/4	1/2	3 1/2
AB 192J1	.06	1	1/2	5 3/4
AB 192J1 1/4	.07	1 1/4	1/2	9 1/2
AB 192J1 1/2	.08	1 1/2	1/2	13

One dozen in a carton.

BREAST STRAP SLIDES

Japanned. Cast gray iron.



Nos.	Each	Size, In.	Wt. Per Doz., Lbs.
AB 4071 1/2	\$0.12	1 1/2	4
AB 4071 3/4	.14	1 3/4	4 1/4

One dozen in a carton.

TRACE CARRIERS



COOPER'S PATTERN

Japanned finish. Malleable iron. Size 1 1/4 inches.

AB 386J1 1/4	—Weight per dozen 3 1/4 lbs.....	Each	\$0.15
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One dozen in a carton.

HALTER SQUARES



Japanned finish. Solid steel. Size 1 1/4 x 1 1/2 inches.

AB 3560J1 1/4 x 1 1/2	—Weight per gross 11 1/4 lbs.....	Each	\$0.05
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One-half gross in a carton.

HIP STRAP TRACE CARRIERS



THE TROJAN IMPROVED PATTERN

Very attractive, popular, useful and ornamental.

Japanned finish. Malleable iron. Size 1 1/2 x 2 1/4 inches.

AB 667J1 1/2 x 2 1/4	—Weight per dozen 2 1/2 lbs.....	Each	\$0.15
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One dozen in a carton.

HARNESS RINGS



Malleable iron, japanned.

Nos.	Each	Size, In.	Wire Gauge	Gross in a Carton	Wt. Per Gr., Lbs.
AB HJ 1/2	\$0.02	1/2	7	2	1
AB HJ 5/8	.02	5/8	7	2	1
AB HJ 3/4	.02	3/4	7	1	2
AB HJ 7/8	.02	7/8	7	1	3
AB HJ1	.03	1	7	1	4
AB HJ1 1/8	.03	1 1/8	7	1 1/2	5

BREECHING RINGS



Solid steel, japanned.

Nos.	Each	Size, In.	Wire Gauge	Gross in a Carton	Wt. Per Gr., Lbs.
AB JW1 1/2	\$0.04	1 1/2	3	1/2	10
AB JW1 3/4	.04	1 3/4	2	1/2	11
AB JW2	.05	2	2	1/2	16
AB JW2 1/4	.06	2 1/4	2	1/4	17 3/4

RING TONGUES



Malleable iron ring tongue of 3/4-inch iron, japanned finish. Size 3 inches.

AB 400/3	—Weight per gross 9 3/4 lbs.....	Each	\$0.03
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One-half gross in a cardboard box.

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CELLULOID RINGS



Solid steel center, with attractive celluloid outer shell.

Nos.	Each	Inside Diam., Ins.	Gauge	Gross in a Ctn.	Wt. Per Gross Lbs.
RED					
AB 4OR $\frac{7}{8}$	\$0.09	$\frac{7}{8}$	4/0	$\frac{1}{2}$	1
AB 3OR1	.10	1	3/0	$\frac{1}{2}$	1 $\frac{3}{4}$
AB 2OR1 $\frac{1}{8}$	.11	1 $\frac{1}{8}$	2/0	$\frac{1}{6}$	2 $\frac{1}{4}$
AB 1OR1 $\frac{1}{4}$	.13	1 $\frac{1}{4}$	1/0	$\frac{1}{6}$	3 $\frac{1}{2}$
AB 2R1 $\frac{1}{2}$	.17	1 $\frac{1}{2}$	2	$\frac{1}{6}$	5
AB 4R1 $\frac{3}{4}$	.23	1 $\frac{3}{4}$	4	$\frac{1}{6}$	7 $\frac{1}{4}$
AB 6R2 $\frac{1}{8}$	.33	2 $\frac{1}{8}$	6	$\frac{1}{6}$	8 $\frac{3}{4}$
WHITE					
AB 4OW $\frac{7}{8}$	.09	$\frac{7}{8}$	4/0	$\frac{1}{2}$	1
AB 3OW1	.10	1	3/0	$\frac{1}{2}$	1 $\frac{3}{4}$
AB 2OW1 $\frac{1}{8}$	.11	1 $\frac{1}{8}$	2/0	$\frac{1}{6}$	2 $\frac{1}{4}$
AB 1OW1 $\frac{1}{4}$	.13	1 $\frac{1}{4}$	1/0	$\frac{1}{6}$	3 $\frac{1}{2}$
AB 2W1 $\frac{1}{2}$	.17	1 $\frac{1}{2}$	2	$\frac{1}{6}$	5
AB 4W1 $\frac{3}{4}$	.23	1 $\frac{3}{4}$	4	$\frac{1}{6}$	7 $\frac{1}{4}$
AB 6W2 $\frac{1}{8}$	.33	2 $\frac{1}{8}$	6	$\frac{1}{6}$	8 $\frac{3}{4}$
BLUE					
AB 4OB $\frac{7}{8}$	.09	$\frac{7}{8}$	4/0	$\frac{1}{2}$	1
AB 3OB1	.10	1	3/0	$\frac{1}{2}$	1 $\frac{3}{4}$
AB 2OB1 $\frac{1}{8}$	.11	1 $\frac{1}{8}$	2/0	$\frac{1}{6}$	2 $\frac{1}{4}$
AB 1OB1 $\frac{1}{4}$	.13	1 $\frac{1}{4}$	1/0	$\frac{1}{6}$	3 $\frac{1}{2}$
AB 2B1 $\frac{1}{2}$	.17	1 $\frac{1}{2}$	2	$\frac{1}{6}$	5
AB 4B1 $\frac{3}{4}$	.23	1 $\frac{3}{4}$	4	$\frac{1}{6}$	7 $\frac{1}{4}$
AB 6B2 $\frac{1}{8}$	.33	2 $\frac{1}{8}$	6	$\frac{1}{6}$	8 $\frac{3}{4}$

CELLULOID SPREAD LOOPS



All celluloid—attractively colored.

Nos.	Each	Size, Inches	Gross in Box	Wt. Per Dozen, Lbs.
RED				
AB 593R $\frac{5}{8}$	\$0.04	$\frac{5}{8}$	1	$\frac{1}{2}$
AB 593R $\frac{3}{4}$	.04	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{4}$
WHITE				
AB 593W $\frac{5}{8}$	\$0.04	$\frac{5}{8}$	1	$\frac{1}{2}$
AB 593W $\frac{3}{4}$	.04	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{4}$
BLUE				
AB 593B $\frac{5}{8}$	\$0.04	$\frac{5}{8}$	1	$\frac{1}{2}$
AB 593B $\frac{3}{4}$	.04	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{4}$

HALTER LOOPS AND RINGS



Solid steel. Japanned finish.

Nos.	Each	Size Loop, Inches	Diam. Ring, Inches	Wt. Per Gross, Lbs.
AB 3610J1 $\frac{1}{4}$	\$0.08	1 $\frac{1}{4}$	1 $\frac{3}{4}$	5 $\frac{1}{2}$
AB 3610J1 $\frac{1}{2}$	.10	1 $\frac{1}{2}$	2	6

One-quarter gross in a carton.

CLIP COCKEYES

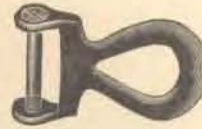


STANDARD PATTERN
Malleable iron cockeye, with wrought steel clips. Japanned finish.

Nos.	Each	Width Cockeye, Ins.	Width Clip, Ins.	Lgth., Ins.	Wt. Per Doz., Lbs.
AB 440J1 $\frac{1}{2}$	\$0.18	1 $\frac{1}{2}$	1	6	3
AB 440J1 $\frac{3}{4}$	.23	1 $\frac{3}{4}$	1 $\frac{1}{4}$	6 $\frac{3}{8}$	4 $\frac{1}{2}$

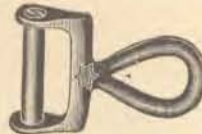
One dozen in a carton.

COCKEYES



FOR CLIPS
Malleable iron. Japanned finish. Size 1 $\frac{1}{8}$ inches—to screw.
AB 40—Weight per dozen 2
• lbs. Each \$0.10

Two dozen in a carton.



Malleable iron. Japanned finish. To screw.

Nos.	Each	Width, Inches	Dozen in Carton	Wt. Per Doz., Lbs.
AB 465/1 $\frac{1}{4}$	\$0.12	1 $\frac{1}{4}$	2	2 $\frac{1}{4}$
AB 465/1 $\frac{1}{2}$	.13	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$
AB 465/1 $\frac{3}{4}$	.15	1 $\frac{3}{4}$	2	3
AB 465/2	.17	2	1	3 $\frac{1}{2}$

JOINTED TRACE CONNECTORS



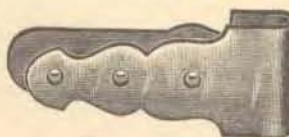
FOR BOLT HAMES

Wrought steel clips and malleable solid clevis with steel pin. Japanned finish. Will fit over bolt hame roller.

Nos.	Each	For Hame Bolt, Inches	Length, Inches	Wt. Per Doz., Lbs.
AB 20/1 $\frac{1}{2}$	\$0.19	1 $\frac{1}{2}$	7 $\frac{1}{8}$	9 $\frac{3}{4}$
AB 20/1 $\frac{3}{4}$	.22	1 $\frac{3}{4}$	7 $\frac{1}{8}$	10 $\frac{1}{2}$
AB 20/2	.25	2	7 $\frac{1}{8}$	11 $\frac{1}{2}$

One-third dozen in a carton.

CONCORD CLIPS



STRAIGHT PATTERN

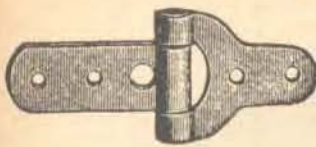
Heavy wrought steel. Japanned finish.

Nos.	Each	Width, Inches	Length, Inches	Wt. Per Doz., Lbs.
AB 10/1 $\frac{1}{2}$	\$0.10	1 $\frac{1}{2}$	4 $\frac{5}{8}$	3 $\frac{1}{2}$
AB 10/2 $\frac{1}{4}$	.15	2 $\frac{1}{4}$	4 $\frac{5}{8}$	5

One dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

**TRACE SPLICES
FOR REPAIRING TRACES**



HAGLOCK

Easy to Use—Holds Longer

Heavy wrought steel. Japanned finish—steel pin. Size 1½ inches. Length 3¾ inches.

AB 948/1½—Weight per gross 18 lbs.....Each \$0.12

One dozen in a carton.

**ONE-PIECE—
STRAIGHT**



Malleable iron with beveled edges—four holes. Size 4½ inches long, ¾ inch wide.

AB 949—Weight per gross 12 lbs.....Each \$0.07

Packing—bulk.

TRACE AND BELT SPLICES

SMITH'S PATENT



Extensively used by saddlery manufacturers. They make a perfect splice and smooth joint when used for repairing leather goods, straps, belting or cotton webbing. Cannot pull out when properly applied. Especially desirable for use on extra

heavy belts running over large pulleys and for splicing traces. Soft copper body 1¾ inches long, with ¼-inch rivet ends. Spring brass washers 2⅞ inches long.

AB TBS00—Weight per box 1 lb.....Each \$0.05

Fifty in a box.

HEEL CHAIN DEES



CONCORD PATTERN

Malleable iron. Japanned finish. With bolt and roller.

Nos.	Each	Size, Inches	Wt. Per Doz., Lbs.
AB 488J1½	\$0.17	1½	3½
AB 488J1¾	.19	1¾	4
AB 488J2	.22	2	4½
AB 488J2¼	.27	2¼	5

One dozen in a carton.



REPAIR DEES

SHORT PATTERN

Strong malleable iron. Japanned finish. With screw and roller.

Nos.	Each	Size, Inches	Wt Per Doz., Lbs.
AB 490/1½	\$0.15	1½	2¼
AB 490/1¾	.18	1¾	2¾
AB 490/2	.23	2	3

One dozen in a carton.

LASSOS OR RIATAS



For roping cattle. Made of high-grade rope diameter 7/8 inch.

Fitted with hondas or lasso ring No. AB 358B ready for use. End of rope spliced to prevent raveling.

SIMMONS—COWBOY

Pure Manila Rope

Three strands. Best quality.

AB 3C40—Length 40 feet.....Each \$1.75

AB 3C33—Length 33 feet.....Each 1.45

SIMMONS—RED WEST

Sisal Rope

Three strands, very good quality.

AB 3RW40—Length 40 feet.....Each \$1.25

AB 3RW33—Length 33 feet.....Each 1.15

LIGHTNING

Silk Manila Yacht Line

Three strands. Fine quality.

AB 3LM40—Length 40 feet.....Each \$2.85

AB 3LM33—Length 33 feet.....Each 2.45

Weight of 40-foot lengths 2¾ lbs.
Weight of 33-foot lengths 2¼ lbs.
Wrapped in heavy paper.

HONDAS, OR LASSO RINGS

EGG-SHAPED PATTERN—FOR LARIATS



For ½-inch rope. ¾x1¼-inch eye. Malleable iron XC plate tinned.

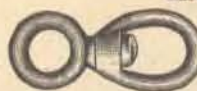
AB 358X—Weight per dozen 1¼ lbs.Each \$0.10

Solid brass polished.

AB 358B—Weight per dozen 1¼ lbs.Each .20

Six dozen in a carton.

LARIAT SWIVELS



Malleable iron, polished. Length over all 3 inches.

Nos.	Each	For Rope, Inch
AB 2512	\$0.10	5/8
AB 2516	.10	¾

Packing—bulk. Weight per dozen 2½ lbs.

KEEN KUTTER TOOLS

Are Made of the
Finest Quality Materials.
They Are Built Strong
and
They Last Long.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

CURRY COMBS

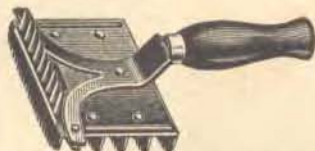
SOLID BACKS—EASY TO USE, DURABLE



Solid back, with malleable iron mane comb and steel knockers. Bars riveted to back. Wrought steel shank through handle is riveted at end. Cold-rolled steel—lacquered. Eight bars.

Black enameled wood handle with steel ferrule. Size of back 4½x4 inches.

AB 108—Weight per dozen 12 lbs.....Each \$0.29



Solid back, with heavy malleable iron mane comb—¼-inch teeth. Wrought steel knockers. End bars and back pressed from one piece—inside bars riveted to back. Wrought steel

shank through black enameled wood handle—riveted at end.

Cold-rolled steel—lacquered. Six bars. Size of back 4½x3¼ inches.

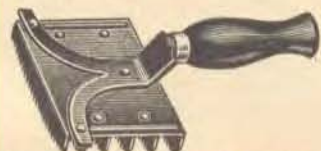
AY 160—Weight per dozen 8½ lbs.....Each \$0.25



Solid back. End bars and back pressed from one piece—inside bars riveted to back. Heavy wrought steel shank through handle—riveted. Extra handle brace. Black enameled wood handle with brass ferrule.

Cold-rolled steel—lacquered. Eight bars. Size of back 4½x3¼ inches.

AY 75—Weight per dozen 10 lbs.....Each \$0.23



Long Lasting

Solid back, with wrought steel knockers. End bars and back pressed from one piece—inside bars riveted to back. Wrought steel

shank through black enameled wood handle. Riveted. Steel ferrule.

Cold-rolled steel—lacquered. Six bars. Size of back 4½x3¼ inches.

AB 150—Weight per dozen 6¼ inches.....Each \$0.23

RUST AND CORROSION PROOF



Closed back. One piece steel wire through comb and handle—looped at end. End of comb reinforced with wire loop knockers. Malleable iron mane comb riveted on. Galvan-

ized steel brace passes into handle and is riveted to back of comb.

Galvanized steel, clear lacquer finish. Seven bars. Black enameled wood handle, with steel ferrule. Size of back 4x4¼ inches.

AB 6—Weight per dozen 7½ lbs.....Each \$0.25

One dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

OPEN BACK



Open back, with braces or knockers at sides. Coppered steel wire shank, through comb and handle—riveted at end.

Black enameled wood handle with brass ferrule.

Cold-rolled steel—lacquered. Eight bars. Size of back 4x5 inches.

AB 70—Weight per dozen 8 lbs.....Each \$0.23

TWO-FACED—REVERSIBLE



Reversible comb. Clock spring to hold comb in position. Steel shank through bars and handle—riveted. Black enameled wood handle with brass ferrule.

To reverse, pull back and turn the handle to the right or left.

Fine spring steel—japaned and lacquered. Four circular bars.

AB 115—Weight per dozen 6½ lbs.....Each \$0.25



Closed back. One-piece heavy-gauge bright steel wire passes through black enameled wood handle and comb, leaving a loop at end of handle and forming knockers at front ends. Nickel-plated ferrule.

Galvanized steel, gold lacquered finish. Six bars. Size of back 3x4½ inches.

AB 460—Weight per dozen 6 lbs.....Each \$0.15

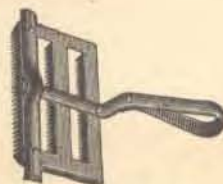


Open back, with steel bars, mane comb and knockers. Bars and back pressed from one piece. Steel shank and red stained wood handle, with brass ferrule.

Cold-rolled steel, lacquered finish. Six bars. Size of back 4¼x2¼ inches.

AB 000M—Weight per dozen 4 lbs.....Each \$0.15

One dozen in a carton.

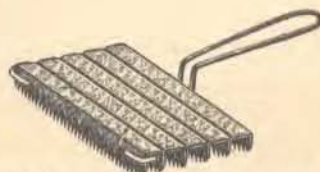


Open back with cold-rolled light steel bars. Bars and back pressed from one piece. One-piece cold-rolled oval steel loop handle—riveted. Oval steel knocker.

Cold-rolled steel, lacquered finish. Six bars. Size of back 4¼x2¼ inches.

AB 1—Weight per dozen 3½ lbs.Each \$0.10

Packing—bulk.



Closed back. One-piece bright steel wire forms the handle, passes through comb and also forms wire loop knockers at front corners.

Galvanized steel—six bars. Size of back 3¼x4¼ inches.

AB 1G—Weight per dozen 4¼ lbs.....Each \$0.10

One dozen in a carton. Twelve dozen in a case.

HORSE BRUSHES



Fine Quality for Fast, Easy Work

Hardwood oval block 7½x4 inches, natural lacquer finish. Best quality leather hand strap, nailed on. Genuine ox palmetto fibre stock securely stapled into block. Seven rows—trimmed 1½ inches out.

AB 45—Weight per dozen 10 lbs.....Each \$0.59



Comfortable Hand Strap

Solid oval block 8¾x4 inches, with polished top. Patent leather hand hold, tacked to side of block. Durable Palmyra stock tightly stapled into block. Seven rows—trimmed flat, 1½ inches out.

AB 20B—Weight per dozen 7 lbs.....Each \$0.35

One dozen in a carton.



Easy Grip—Durable

Hardwood block 8x2½ inches, sanded and polished—with pointed ends and deep grooved sides for a good grip. Best grade Palmyra stock securely stapled into block. Five rows—trimmed oval, 1¾ inches out.

AB 43—Weight per dozen 9½ lbs.....Each \$0.35

Long Lasting



Humped shaped veneered wood block—10x2¾ inches, polished. Pointed ends. Good grip. Brown India stock securely stapled into block. Five rows—trimmed flat, 2 inches out.

AB 42—Weight per dozen 9½ lbs.....Each \$0.35

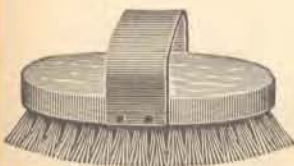
One-half dozen in a carton.



Economical—Serviceable

Varnished hardwood block, 9½x2¾ inches. Oval top—pointed ends. Good grip. Palmyra stock securely stapled into block. Five rows—trimmed oval, 2 inches out.

AB 6B—Weight per dozen 10 lbs.....Each \$0.19



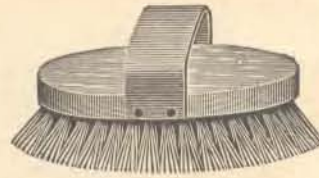
Good Quality Low Price

Hardwood oval block, 7½x3¾ inches—smoothly sanded. Split leather hand strap nailed on. Best grade Palmyra stock securely stapled into block. Six rows—trimmed ¼ inch out.

AB 18B—Weight per dozen 7 lbs.....Each \$0.19

One dozen in a carton.

HORSE BRUSHES



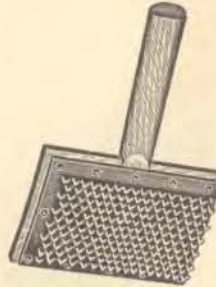
Practical—With Comfortable Hand Strap
Hardwood oval block, 7½x3¾ inches—smoothly sanded. Split leather hand strap nailed on. Best grade Palmyra stock securely stapled into block. Six rows—trimmed oval, 1½ inches out.

AB 19B—Weight per dozen 9¾ lbs.....Each \$0.23

One dozen in a carton.

HORSE CARDS

For Quick, Expert Work



Strong pressed board face on stout wood back. Tinned plated wire—rust-resisting. Size 5¾x3¾ inches.

AB 04—Weight per dozen 5 lbs.Each \$0.29

Twelve dozen in a case.

NEATSFOOT COMPOUND

BLUE RIBBON

Adds New Life to Leather

A special compound of dependable quality for water-proofing and softening leather. Preserves and adds new life to all leather surfaces.

In spout-attached tin cans.



Nos.	Each	Contents Cans	Doz. in Case	Wt. Per Case, Lbs.
AB NHF	\$0.23	½ Pint	3	25
AB NQ	.59	Quart	2	58
AB NHG	.98	½ Gallon	1	60

NEATSFOOT OIL

THREE BROTHERS

Economical—Preservative



For oiling, softening and preserving harness and all articles of leather. Adds life to the leather and makes it water and heat proof.

Best quality winter-strained Neatsfoot oil thinned down with highly refined mineral oil.

One quart lithographed sealed cans.

AB HNO—Weight per dozen 25 lbs.....Each \$0.35

Two dozen cans in a case.

LEATHER DRESSING

VISCOL

For Better Service—Longer Life



Viscol dressing softens, preserves and water-proofs shoes, harness, belts, jackets, and all other leather goods. It makes belts grip the pulleys and prevents the glazing of razor straps. Full directions for applying on each can.

Put up in screw top tin cans.

Nos.	Each	Contents Can, Pt.	Weight Per Doz. Cans, Lbs.
AB 12	\$0.35	½	10
AB 14	.25	¾	4½

One dozen in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

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USE
Mansfield

ONE OF
TODAY'S FINEST TIRES!



THE MANSFIELD SUPERIOR

A streamlined tire of distinctive beauty that sets a new standard of performance, safety and silence. Available in both white and black sidewalls.



THE MANSFIELD CUSHION BALLOON

This famous Mansfield low-pressure balloon has been stepped up to an even higher range of performance and modern styling.



THE MANSFIELD PIONEER

Brings to owners of older model cars the latest in safety construction and streamlined design—at money saving prices.



THE MANSFIELD TOURIST

This dependable passenger car tire delivers reliable mileage at low cost. A popular tire for equipping used cars.



THE TRANSPORT TRUCK and BUS

Provides truck, bus and fleet owners with a new standard of safety and dependability at reduced cost per mile—plus the new Mansfield Special Delivery Truck and Bus Tires for stop-start service—Mud and Snow Tires for passenger cars and trucks—new Tractor Tires for wheel-type tractors.

Guarantee

ASSURES IMMEDIATE REPLACEMENT



Mansfield Guarantee Bond
(THIS IS A TWO COPY FORM. PLEASE USE CARBON PAPER.)

NO 87914

PURCHASER'S NAME _____
ADDRESS _____

Brand name of tire (Check one square) { MANSFIELD SUPERIOR
 MANSFIELD PIONEER
 TOURIST UNITED

DEALER'S NAME _____
ADDRESS _____
 Passenger Car Service
 Commercial Car Service

SIZE _____ PLY _____ SERIAL _____
Date of Purchase _____
Month _____ Day _____ Year _____

The Mansfield Tire & Rubber Company has guaranteed to its distributor, who purchased the above tire, that every tire bearing its name and serial number is free from defects in workmanship and material, without limit as to time or mileage, and that it will give satisfactory service under normal operating conditions.

By virtue of the manufacturer's guarantee, if examination shows that this tire has failed under the terms thereof, the distributor is privileged to replace it with a new tire charging only for the service, injury by running flat or nearly flat regardless of cause, tires which are worn out, injured by fire or wrecks, tires used in taxicab or common carrier bus service or any tubes.

The Mansfield Tire & Rubber Company or any of its distributors or their dealers shall not be liable in any event for injuries to person or property caused directly or indirectly by the failure of this tire.

The guarantee does not cover tires failing because of willful abuse, punctures, wheel out of alignment, obstructions on the vehicle.

Claim for replacement may be filed through any authorized Mansfield dealer or jobber. This certificate and the tire must be presented with the claim.

(IN CASE REPLACEMENT IS NECESSARY FILL IN THE FOLLOWING SPACES:)

Date of return _____
Dealer's Signature _____
Amount charged for new tire given in replacement _____
Owner's Signature _____

- Mansfield Superior . . 15 Months
- Mansfield Balloons . . 15 Months
- Mansfield Pioneer . . . 12 Months
- Mansfield Tourist . . . 6 Months

• • •

These coverages are for tires in normal average passenger car service. All tires in normal average commercial service are guaranteed six months except Tourist Tires which are guaranteed three months.

Plus

In addition to this extra protection warranty, Mansfield Tires are further guaranteed against defects of workmanship and materials for the life of the tire.

NEW . . .

6 Bar Tread

**GIVES MANSFIELD TIRES GREATER NON-SKID,
NEW SILENCE AND LATEST STREAMLINE STYLING**



**NEW SCIENTIFIC TREAD DESIGNS THAT "BITE"
THE ROAD FOR FAST STARTS AND QUICK STOPS!**

Car owners today require safe mileage. They want protection against skids—they want positive, sure-footed traction for fast get-aways—they want a tire that can stop when emergencies demand quick halts.

The new 6-bar tread has been designed to meet these modern requirements. All new Mansfield tires have wider, flatter treads that put more rubber on the road. More non-skid edges lessen the dangers of forward and sidewise skids. Center riding ribs make steering easier.



**NEW BEAUTY TO HARMONIZE WITH TODAY'S
MODERN CARS. NEW SILENCE TO MATCH
TODAY'S QUIET MOTORS.**

New tread designs bring to all Mansfield tires advanced streamlined styling. Their smart, distinctive lines enhance the appearance of any car.

New type treads now make all Mansfield tires, more than ever, fitting companions for today's quiet-running motor cars. They represent the latest developments in safe, noiseless tread design.

. . . and **GREATER MILEAGE!**

ALLOY RUBBER, a new development, is tough and wear-resistant—more economical in the long run—greater safety for a longer time!

AUTOMOBILE TIRES

THE MANSFIELD *Superior*



The ultimate in streamlined beauty designed for the car owner who wants extra smartness and distinction with freedom from tire noise.

Here is a tire that matches modern cars — in beauty — in silence—in strength. Beneath its distinguished design is a generous extra measure of finest materials, assuring the utmost in safety and service.

Mansfield Superiors are today's smartest looking tires. Exceptional beauty with added new silence makes them the choice of discriminating car owners.

Built for the car-owner who wants the utmost in protection and performance and who realizes that a few dollars extra is a small price to pay for the assurance and security this tire brings.

Modern styling and advanced engineering combine to establish the Mansfield Superior as a new peak in appearance and safety.

TWO-WAY TREAD

Center bars roll lightly and steer with finger-touch control. Outer non-skid bars grip the road—protect against forward and sidewise skids—afford safer braking and greater traction.

DOUBLE BREAKERS

Two breaker strips under the tread give shock absorber action against pavement jolts and road shocks. They reinforce the whole tire structure and provide added safety in high-speed driving.

REINFORCED SIDEWALLS

High-speed driving doubles sidewall strain. Mansfield construction carries two inside cord plies around the steel cable heads—up into the sidewall—to reinforce the vital area.

LOW HEAT BUILD-UP

Cotton fabric cords are embedded in a pure gum friction rubber that absorbs internal heat. This protects against hidden separations—assures cool running tires.

BLACK WITH WHITE SIDEWALLS FOUR-PLY

Nos.	Each	Size, Tire Rim	Weight Each, Lbs.
OB SW4/600-16	\$20.95	6.00-16	23
OB SW4/650-16	25.80	6.50-16	28
OB SW4/700-15	27.20	7.00-15	28
OB SW4/700-16	28.00	7.00-16	31

SIX-PLY

OB SW6/750-16	43.05	7.50-16	41
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ALL BLACK FOUR-PLY

Nos.	Each	Size, Tire Rim	Weight Each, Lbs.
OB SB4/600-16	\$17.45	6.00-16	23
OB SB4/650-16	21.50	6.50-16	28
OB SB4/700-15	22.85	7.00-15	28
OB SB4/700-16	23.85	7.00-16	31

SIX-PLY

OB SB6/750-16	35.90	7.50-16	41
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Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

AUTOMOBILE TIRES

THE NEW MANSFIELD

CUSHION BALLOON



4-Ply Balloons
Center Traction Tread

6-BAR TREAD

6-Ply Balloons
Center Traction Tread

WITH AN OUTSTANDING RECORD IN HIGH SPEED SERVICE THIS LOW PRESSURE CUSHION BALLOON HAS BEEN STEPPED UP TO AN EVEN HIGHER RANGE OF PERFORMANCE AND STYLING.

The new Mansfield Cushion Balloon offers a still greater performance value. Its wider, flatter 6-bar tread provides greater non-skid protection, better traction and easier steering. Its streamlined styling reduces tire noise in today's steel-bodied cars. The Mansfield Cushion Balloon sets a new standard of true tire value.

6-BAR TREAD CUSHION BALLOONS

FOUR-PLY

Nos.	Each	Size, Tire Rim	Weight Each, Lbs.
OB M4/550-16	\$13.90	5.50-16	19
OB M4/550-17	13.95	5.50-17	21
OB M4/600-16	15.70	6.00-16	23
OB M4/625-16	17.55	6.25-16	25
OB M4/650-16	19.35	6.50-16	27
OB M4/700-16	21.00	7.00-16	30

SIX-PLY

OB M6/550-17	16.75	5.50-17	25
OB M6/600-16	18.60	6.00-16	26
OB M6/625-16	20.65	6.25-16	28
OB M6/650-16	21.35	6.50-16	30
OB M6/700-16	24.70	7.00-16	35

CENTER TRACTION TREAD

FOUR-PLY

Nos.	Each	Size, Tire Rim	Weight Each, Lbs.
OB M4/475-19	\$11.10	4.75-19	18
OB M4/525-18	12.85	5.25-18	20
OB M4/550-18	14.65	5.50-18	20
OB M4/550-19	14.95	5.50-19	21

SIX-PLY

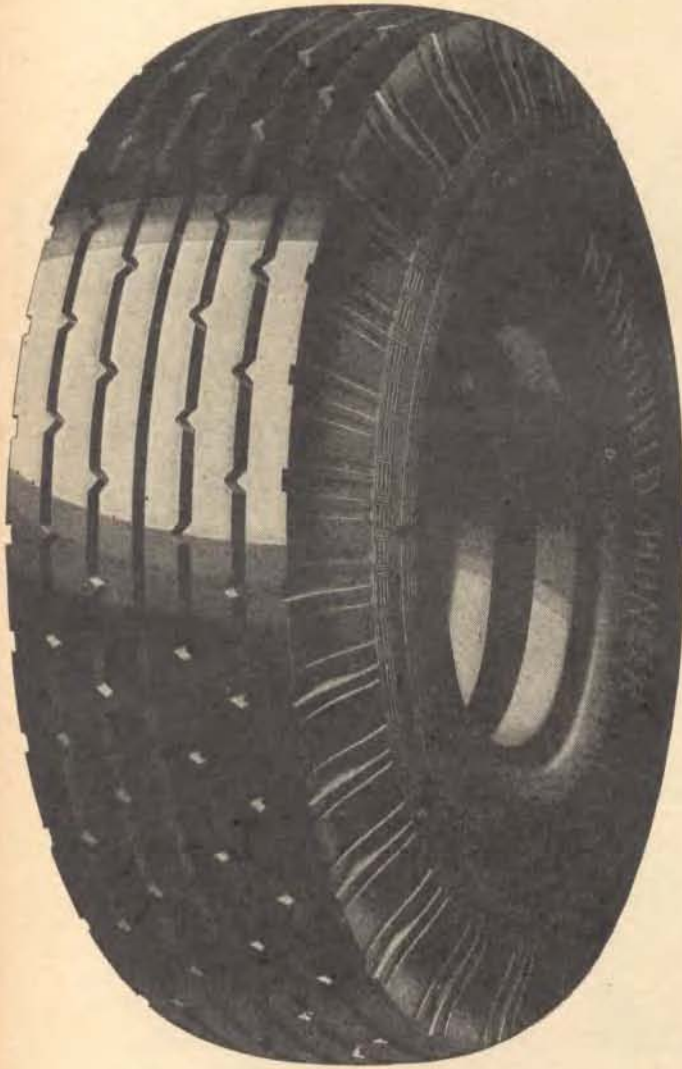
OB M6/600-17	19.40	6.00-17	28
OB M6/600-18	19.80	6.00-18	29
OB M6/600-19	20.35	6.00-19	30
OB M6/600-20	20.70	6.00-20	31
OB M6/650-17	23.40	6.50-17	32
OB M6/650-19	24.00	6.50-19	35

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

AUTOMOBILE TIRES

THE *New* MANSFIELD

Pioneer



This New Tire Answers the Need of Owners of Older Cars Who Demand Modern Appearance and Reliable Mileage at Moderate Cost.

Here is a modern tire for the average car. The New Mansfield Pioneer has the flatter, wider 6-bar tread that provides the maximum in positive traction plus the latest in streamlined appearance. These husky tires deliver long mileage and afford real protection against skids and blowouts. No motorist need run the risk of driving with smooth worn tires when Mansfield Pioneers offer so much in safety and dependability at low first cost. Popular sizes with combination tires for oldest models.

THIS MODERN TIRE FOR OLDER CARS PROVIDES

SAFETY AND SERVICE AT LOW DRIVING COST!

SIZES TO FIT CARS OVER 5 YEARS OLD

4-PLY PIONEER TIRES

Nos.	Each	Size, Tire Rim	Weight Each, Lbs.
OB P4/440/450-21	\$ 8.65	4.40/4.50-21	16
OB P4/475/500-19	8.90	4.75/5.00-19	17
OB P4/525-17	9.90	5.25-17	18
OB P4/525-18	10.30	5.25-18	19
OB P4/550-16	11.10	5.50-16	17
OB P4/550-17	11.15	5.50-17	19
OB P4/600-16	12.55	6.00-16	20
OB P4/625-16	14.05	6.25-16	22
OB P4/650-16	15.50	6.50-16	24

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

AUTOMOBILE TIRES

THE MANSFIELD



Tourist

**THE TIRE FOR
SAFETY
AND SERVICE
AT
LOWEST
DRIVING COST!**

•
GOOD LOOKING

•
STURDY

•
DEPENDABLE

The Mansfield Tourist is the answer to the demand of owners of older cars for serviceable, smart-looking tires at money-saving prices. The Tourist offers these motorists a substantial measure of reliable mileage and tire safety.

For the same reason, Tourist tires are in ready demand with car dealers. Their dependability, good looks, and extra protection guarantee make used cars sell easier. Popular balloon sizes with combination tires for oldest models.

4-PLY TOURIST BALLOONS

Nos.	Each	Size Tire Rim	Weight Each, Lbs.
OY T4/450-20	\$ 6.75	4.50-20	14
OY T4/440/450-21	7.00	4.40/4.50-21	15
OY T4/475/500-19	7.20	4.75/5.00-19	15
OY T4/525-17	8.05	5.25-17	18
OY T4/525-18	8.85	5.25-18	18
OY T4/550-17	9.05	5.50-17	19
OY T4/600-16	10.20	6.00-16	20

UNITED HIGH PRESSURE TIRES

OY U803½—30x3½. Weight each 14 lbs.....Each \$6.35

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

AUTOMOBILE TIRES

**NO NEED FOR
CHAINS!**

USE MANSFIELD

Mudders

**THE MUD AND SNOW TIRES
THAT PULL LIKE DRAFT
HORSES**

Both Forward and Reverse!

Here are the tires that make their own road in any kind of weather. Deep, wide-angled, double-V cleats dig down deep into mud and sand or snow—push their way through the toughest going. The interlocking tread design provides continuous contact with the road, avoiding bumping on hard pavements.

Mansfield Mud and Snow Tires are self-cleaning—both forward and in reverse! Mansfield Mudders are built as strong as they look. They are reinforced at every point of strain.



HERE'S REAL ECONOMY!

**THEY SAVE THE COST OF CHAINS, TOW-BILLS,
AND REPAIRS DUE TO SKIDS ON BAD ROADS!**

Mount these tires according to arrows on sidewalls.

**NOTE THESE POPULAR COMBINATION SIZES:
4-PLY TRACTION GRIP MUDDERS**

Nos.	Each	Size Tire Rim	Weight Each, Lbs.
OB MS/440/450-21	\$10.50	4.40/4.50-21	17
OB MS/475/500-19	11.85	4.75/5.00-19	19
OB MS/525/550-17	13.80	4.25/5.50-17	21
OB MS/525/550-18	14.45	5.25/5.50-18	22
OB MS/600/625-16	16.35	6.00/6.25-16	23

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

AUTOMOBILE INNER TUBES

Mansfield

Heavy Duty

REINFORCED BASE

Increase Driving Safety for Yourself and Your Family

Make Your Tires Last Longer

Specially reinforced by an extra layer of chemically treated, tough, live rubber welded to the rim side of the tube. This reinforcement protects where wear is the greatest, affording further security in high speed driving. Pinching, tearing, and other common causes of tube failure are eliminated. Made of select crude rubbers expertly compounded to resist heat and age.

Double Purpose Rubber Valve

Passenger car tubes are equipped with latest type rubber valves which replace both straight and bent metal stems. Easy to inflate—easy to mount. Stems are vented to release trapped air.

Nos.	Each	For Tires, Size	Weight Each, Lbs.
OB MCD16	\$3.65	{ 6.00-16 6.25-16	4
OB MC17	3.30	{ 5.50-17 6.00-17	4
OB M700/15	4.30	{ 7.00-15	4
OB MD16	4.35	{ 6.50-16 7.00-16	4
OB M750/16	5.25	{ 7.50-16	5

MANSFIELD PIONEER Outstanding Values!

Full size standard gauge, cured circular shape in individual heaters to fit tires without buckling or wrinkling.

Nos.	Each	For Tires, Size	Weight Each, Lbs.
OB PA20T	\$1.90	{ 4.40-20 4.50-20 4.75-20	3
OB PA21T	2.00	{ 4.40-21 4.50-21 4.75-21	3
OB PB17T	2.15	{ 5.00-17 5.25-17	3
OB P525/18T	2.25	{ 5.25-18	3
OB PB19T	2.25	{ 4.75-19 5.00-19 5.25-19	3
OB P550/16T	2.45	{ 5.50-16 6.00-16	3
OB PCD16T	2.85	{ 6.25-16	3
OB PC17T	2.65	{ 5.50-17 6.00-17	3
OB PC18T	2.75	{ 5.50-18 6.00-18	3
OB PC19T	2.80	{ 5.50-19 6.00-19 6.00-19	4
OB PC20T	3.00	{ 5.50-20 6.00-20 6.00-21	4
OB PD16T	3.45	{ 6.50-16 7.00-16	4
OB PD17T	3.50	{ 6.50-17 7.00-17	4
OB PD19T	3.70	{ 6.50-19 7.00-19	5

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.



5

REASONS WHY MANSFIELD TRUCK TIRES

Offer Greatest Economical Mileage



See how Sidewalls
are reinforced with
**FULL WEIGHT,
FULL STRENGTH**
cord fabric

STEEL bead wire
welded into
continuous cables

Note how Mansfield construction carries the cord plies around the steel wire cable beads—on up into the sidewall to reinforce this danger zone.

- 1** **Dense-Twist Cord**
Dense-twist cord concentrates greater strength in less bulk—permits a greater volume of heat-resistant rubber in the carcass to produce cool-running tires.
- 2** **Ribbed Traction Tread**
Rolls smoothly, steers easily, and grips safely. Extra thick, it wears slowly and evenly in heavy duty service.
- 3** **Armored Sidewalls**
Four or more cord plies are carried around the steel cable beads—up into the sidewall—for extra strength in the danger zone.
- 4** **Extra Carcass Cushioning**
Extra layers of live, resilient rubber cushion the carcass structure, weld tread and carcass into a perfectly interacting unit.
- 5** **Balanced Flex Construction**
Graduated hardnesses in adjoining tire elements produce uniform reaction to flexing and roadway shocks—protect against separations and blowouts.

TRUCK AND BUS TIRES

The New Mansfield Transport

Slashes Operating Costs!

Mansfield Transport Truck and Bus tires defeat heat to give fleet and truck operators a new range of tire performance.

Engineers have reduced internal heat in Mansfield Transports. Their Dense-Twist cotton cords concentrate greater strength in less bulk, permitting increased rubber in the carcass.

Their metallic base friction rubber absorbs the temperatures of high speed hauling.



BUS AND TRUCK TIRES

Nos.	Each	Size, Tire-Rim	Ply	Wt. Each, Lbs.
OB MT6/600-20	\$22.60	6.00-20	6	36
OB MT6/650-20	28.50	6.50-20	6	40
OB MT8/700-20	37.80	7.00-20	8	51
OB MT8/750-20	46.85	7.50-20	8	71
OB MT10/825-20	70.50	8.25-20	10	95
OB MT10/900-20	82.40	9.00-20	10	113
OB MT12/975-20	105.65	9.75-20	12	143

HIGH PRESSURE TIRES

Nos.	Each	Size, Tire-Rim	Ply	Wt. Each, Lbs.
OB MT8/305	28.35	30x5	8	42
OB MT8/326	36.80	32x6	8	47
OB MT10/326	48.20	32x6	10	67
OB MT10/347	67.95	34x7	10	87
OB MT12/347	73.30	34x7	12	93

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

TRUCK TIRES



**THE ANSWER
TO
LOWER COST TIRE MILEAGE
FOR
1/2 AND 3/4-TON
TRUCKS
THE *New* MANSFIELD**

Transport

Your tire costs will drop amazingly when you equip your small trucks with these new tires of small diameter designed to replace regular passenger car tires ordinarily used on 1/2 ton and 3/4 ton trucks.

These tires are true heavy duty construction—are built to withstand overloading and hard service. Their greater tread volume, stronger reinforced sidewalls, heavy beads, double cord breakers, Dense-Twist cord, and low heat build-up carcass rubber that defeats tire-killing heat—all combine to deliver long, low-cost mileage on light trucks.

These tires are for 1/2 and 3/4 ton trucks of:
Hardware Stores Implement Dealers
Lumber Yards Farmers
Paint Dealers School Buses
Contractors Builders

—And in every service, where these important commercial vehicles are used.

BUS AND TRUCK TUBES FOR THE NEW MANSFIELD TRANSPORT 1/2 AND 3/4-TON TRUCKS

On sizes 6.00-16 and 6.50-16, use Mansfield Heavy Duty passenger car tubes.

On sizes 7.00-16 and 7.50-16 use Mansfield Heavy Duty black truck tubes.

The 7.00-16 and the 7.50-16 Mansfield Heavy Duty black truck tube sizes are available with TR 15 valves or hand bendable TR 50 valves, as specified.

6-PLY TRANSPORT

Nos.	Each	Size, Tire-Rim	Wt. Each, Lbs.
OB MT6/600-16	\$22.05	6.00-16	28
OB MT6/650-16	25.35	6.50-16	32
OB MT6/700-16	29.80	7.00-16	37
OB MT6/750-16	38.45	7.50-16	42

Nos.	Each	For Tire, Size	Wt. Each, Lbs.
OB M600-16T	\$3.65	6.00-16	4
OB M650-16T	4.35	6.50-16	5
OB M700-16T	5.00	7.00-16	5
OB M825-20T	11.10	8.25-20	11
OB M900-20T	12.70	9.00-20	13
OB M975-20T	13.80	9.75-20	15

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

AUTOMOBILE TIRES

THE *New* MANSFIELD

Special Delivery



* SPECIAL DELIVERY TIRES

Nos.	Each	Size Tire Rim	Ply	Weight Each Lbs.
*OB MSD10	\$22.35	6.00-16	6	31
		{ 30x5		54
*OB MSD17	36.30	{ 6.50-20	8	54
		{ 32x6		65
*OB MSD19	45.95	{ 7.00-20	8	65
		{ 32x6		87
*OB MSD22	56.45	{ 7.50-20	10	87

* Goods marked thus (*) are not carried in stock and can only be furnished by shipment direct from factory. Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

BUILT ESPECIALLY FOR SLOW-MOVING MULTI-STOP-START VEHICLES

Ideal for low cost service on milk trucks, bread trucks and in delivery service of all kinds.

- Extra thick tread for longer wear.
- Heavy buttressed shoulders to withstand curb scraping.
- Reinforced sidewalls for extra tire life.
- Double cable beads for maximum strength.

Continuous stopping and starting grinds down ordinary truck tires. The new Mansfield Special Delivery is engineered and built for service where long economical mileage is an important consideration. Their extra thick treads contain greatly increased volume for slow moving multi-stop trucks.

INNER TUBES

OB MSD10, use OB MCD16 Mansfield Heavy Duty passenger car tubes.
OB MSD17 and OB MSD19, use OB MDT20 Mansfield Heavy Duty black truck tubes.
OB MSD22, use OB MET20 Mansfield Heavy Duty black truck tubes.

TRUCK TIRES

THE *New* MANSFIELD *Pioneer*

THE TRUCK TIRE THAT OFFERS
MAXIMUM VALUE FOR
MINIMUM INVESTMENT

Specially designed for commercial operators who want a dependable truck tire at moderate cost.

Deep-grooved treads, heavy cable beads and reinforced carcass make Mansfield Pioneers an exceptional value in their price range.

Nos.	Each	Size Tire Rim	Ply	Weight Each, Lbs.
OB PT305	\$22.70	30x5	8	39
OB PT8326	29.45	32x6	8	43
OB PT10326	38.55	32x6	10	57
OB PT660020	18.10	6.00-20	6	29



MANSFIELD TRUCK TUBES

Immensely strong and super-resistant to high temperatures developed in high-speed hauling.

Made of high carbon, high tensile black rubber, cured tire-shape in individual heaters and fit casings without bunching or wrinkling.

EQUIPPED WITH CONVERTIBLE METAL VALVES

May be bent to the shape desired even after the tire is mounted.

Nos.	Each	Sizes	Weight Each, Lbs.
OB MCT20/305	\$4.45	30x5	5
OB M326T	6.85	32x6	8
OB MET20/347	9.60	34x7	12
OB MDT20/700-20	5.50	7.00-20	6

PIONEER TRUCK TUBES

Full size, standard gauge, of black, heat-resistant rubber. Fit truck and bus casings accurately. Equipped with convertible metal valve that may be bent to shape desired even after tire is mounted.

Nos.	Each	Sizes	Weight Each, Lbs.
OB PCT20	\$3.40	6.00-20	4
OB P326T	5.20	32x6	7

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.



AUTOMOBILE TIRES

THE *New* MANSFIELD

Special Delivery



**BUILT ESPECIALLY FOR
SLOW-MOVING
MULTI-STOP-START
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Ideal for low cost service on milk trucks, bread trucks and in delivery service of all kinds.

- Extra thick tread for longer wear.
- Heavy buttressed shoulders to withstand curb scraping.
- Reinforced sidewalls for extra tire life.
- Double cable beads for maximum strength.

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‡ SPECIAL DELIVERY TIRES

Nos.	Each	Size Tire Rim	Ply	Weight Each Lbs.
‡ OB MSD10	\$22.35	6.00-16	6	31
		30x5		54
‡ OB MSD17	36.30	6.50-20	8	54
		32x6		65
‡ OB MSD19	45.95	7.00-20	8	65
		32x6		87
‡ OB MSD22	56.45	7.50-20	10	87

INNER TUBES

OB MSD10, use OB MCD16 Mansfield Heavy Duty passenger car tubes.
OB MSD17 and OB MSD19, use OB MDT20 Mansfield Heavy Duty black truck tubes.
OB MSD22, use OB MET20 Mansfield Heavy Duty black truck tubes.

‡ Goods marked thus (‡) are not carried in stock and can only be furnished by shipment direct from factory. Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

TRUCK TIRES

THE *New* MANSFIELD *Pioneer*

**THE TRUCK TIRE THAT OFFERS
MAXIMUM VALUE FOR
MINIMUM INVESTMENT**

Specially designed for commercial operators who want a dependable truck tire at moderate cost.

Deep-grooved treads, heavy cable beads and reinforced carcass make Mansfield Pioneers an exceptional value in their price range.

Nos.	Each	Size Tire Rim	Ply	Weight Each, Lbs.
OB PT305	\$22.70	30x5	8	39
OB PT8326	29.45	32x6	8	43
OB PT10326	38.55	32x6	10	57
OB PT660020	18.10	6.00-20	6	29

MANSFIELD TRUCK TUBES

Immensely strong and super-resistant to high temperatures developed in high-speed hauling.

Made of high carbon, high tensile black rubber, cured tire-shape in individual heaters and fit casings without bunching or wrinkling.

EQUIPPED WITH CONVERTIBLE METAL VALVES

May be bent to the shape desired even after the tire is mounted.

Nos.	Each	Sizes	Weight Each, Lbs.
OB MCT20/305	\$4.45	30x5	5
OB M326T	6.85	32x6	8
OB MET20/347	9.60	34x7	12
OB MDT20/700-20	5.50	7.00-20	6

PIONEER TRUCK TUBES

Full size, standard gauge, of black, heat-resistant rubber. Fit truck and bus casings accurately. Equipped with convertible metal valve that may be bent to shape desired even after tire is mounted.

Nos.	Each	Sizes	Weight Each, Lbs.
OB PCT20	\$3.40	6.00-20	4
OB P326T	5.20	32x6	7

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

MANSFIELD

Tractor Tires

MAKE FARMING EASIER AND MORE PROFITABLE!

- Wear longer in any kind of farm service.
- Operate in high gear, cover more ground in a day—cut fuel costs.
- Extend the useful life of the tractor and increase your own driving comfort.

EXTRA PERFORMANCE BUILT IN!

Made of longer wearing alloy rubber of dense, even texture with tough tread rubber from bead to bead. Resists sun, weather and barnyard acids. Protects tire against cuts and snags.

Self-cleaning, forward or reverse. Double V treads deliver smooth, powerful, positive traction with a greater soil gripping action that prevents slippage in hillside work.

More tire for your money! Built to maximum specifications for size. Greater volume assures larger load capacity, surer traction, easier riding, longer life.



***REAR WHEEL TRACTOR TIRES**

This tire is large and soft, lays its own track as it revolves; absorbs the bumps and jolts of hard ground, cushions tractor against vibrations, thus increasing driving efficiency and comfort. Scientifically spaced double V cleats with increased bar length for better traction.

Nos.	Each	Size Tire Rim	Ply	Wt. Each, Lbs.
#OB MTT4/900/36	\$70.10	9.00-36	4	115
#OB MTT6/1125/24	83.15	11.25-24	6	121
#OB MTT6/1125/28	90.85	11.25-28	6	136



***FRONT WHEEL TRACTOR TIRES**

Ribbed, deeper, non-skid tread holds direction, gives better shoulder traction, banishes slipping.

Nos.	Each	Size Tire Rim	Ply	Wt. Each, Lbs.
#OB MTT4/500/15	\$12.15	5.00-15	4	15
#OB MTT4/550/16	13.40	5.50-16	4	20
#OB MTT4/600/16	15.25	6.00-16	4	22
#OB MTT4/750/18	23.25	7.50-18	4	37

MANSFIELD TRACTOR TUBES

Seep less air—These tubes are made of special rubber stock so dense that air seepage is reduced to the minimum. They are cured tire shape in individual heaters and fit casings accurately without wrinkling or bunching.

***REAR WHEEL TUBES**

Nos.	Each	Size Tire Rim	Wt. Each, Lbs.
#OB MTG900/36T	\$13.65	9.00-36	16
#OB MTG1125/24T	12.50	11.25-24	15
#OB MTG1125/28T	14.00	11.25-28	18

***FRONT WHEEL TUBES**

Nos.	Each	Size Tire Rim	Wt. Each, Lbs.
#OB MTG500/15T	\$2.25	5.00-15	3
#OB MTG550/16T	2.50	5.50-16	3
#OB MTG600/16T	2.65	6.00-16	3
#OB MTG750/18T	4.00	7.50-18	5

FREE! VALUABLE TIRE MANUAL

Gives detailed information about the use and service of pneumatic equipment on tractor wheels—shows how to weight wheels, how to use anti-freeze, gives tire and wheel specifications for nearly all makes of tractors, explains detailed construction of Mansfield Tractor Tires and gives other valuable information about tractors and their operation.

WRITE US TODAY FOR YOUR COPY!

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Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

TIRE SIZES Used for Original Equipment on Cars from 1928 to 1939

BUICK			1928 6	5.50-18	1931 Spec. 8	6.00-17	1930 8	7.00-20	1938 6-1600	6.50-16	
1928 6-115	5.25-21	1932 8	6.50-17	1931 Cust. 8	6.50-18	1931 8	7.00-19	1938 8-1601	7.00-16	1938 8-1601	7.00-16
1929 6-120 6-128	6.00-21	1932 Imp. 8	7.00-17	1932 6	5.50-17	1932 8	7.00-18	1938 Sup. 8	7.50-16	1939 Six 1700	6.50-16
1929 6-116	5.50-20	1933 6	5.50-17	1932 8	6.00-17	1932 12	7.50-18	1939 Six 1700	6.50-16	1939 Eight 1701, 2, 3, 5	7.00-16
1929 6-121 6-129	6.50-20	1933 8	6.00-17	1933 6	5.50-17	1933 8	7.00-18				
1930 6-40	5.50-19	1933 Imp. 8	6.50-17	1933 8	6.00-17	1933 12	7.50-18				
1930 6-50	6.50-19	1933 Cust. 8	7.50-17	1934 Std. 6	6.25-16	1934 V12-145	7.50-28				
1930 6-60	7.00-19	1934 6	6.50-16	1934 Std. 8	6.50-16	1934 V12-136	7.00-18				
1931 8-50	5.25-18	1934 Royal 8	7.00-16	1934 Cust. 8	7.00-16	1935 V12	7.50-17				
1931 8-60	5.50-19	1934 Imp. 8	7.50-16	1935 6	5.25-17	1936 Zephyr	7.00-16				
1931 8-80 8-90	6.50-19	1934 Cu. Imp. 8	7.50-17	1935 Spec. 6	5.25-17	1936 V12	7.50-17				
1932 8-50	5.50-18	1935 6 AS	6.25-16	1935 8	6.50-16	1937 V-12 K	7.50-17				
1932 8-60	6.00-18	1935 8 AS	6.50-18	1936 Super C-8	7.00-16	1938 Zephyr	7.00-16				
1932 8-80 8-90	7.00-18	1935 8 AF	7.00-16	1936 80	5.25-17	1939 V-12	7.50-17				
1933 8-50	6.00-17	1935 Imp. AF	7.50-16	1936 90	6.00-16	1939 Zephyr	7.00-16				
1933 8-60	6.50-17	1935 ICSAF-137	7.50-16	1936 110	6.25-16						
1933 8-80 8-90	7.00-17	1935 ICSAF-146	7.50-17	1937 85-D	5.25-17						
1934 34-50	7.00-16	1936 6	6.25-16	1937 85	6.00-16						
1934 34-60	7.50-16	1936 8	6.50-16	1937 91	6.00-16						
1934 34-90	7.50-16	1936 AF 8	7.00-16	1937 90	6.00-16						
1935 40	6.25-16	1937 Royal C16-5	6.25-16	1938 Special	6.00-16						
1935 50	7.00-16	1937 Royal C16-7	6.50-16	1938 Sup. Chgr.	6.50-16						
1935 60	7.50-16	1937 Imperial	6.50-16	1939 Std. Spc.	6.00-16						
1935 90	7.50-16	1938 Roy. C-18	6.25-16								
1936 36-40	6.50-16	1938 Roy. C-19	6.50-16								
1936 36-80	7.00-16	1938 C. I. C-20	7.50-16								
1936 36-90	7.50-16	1939 Roy. C-18	6.25-16								
1937 40	6.50-16	1939 Imp. C-19	6.50-16								
1937 60	7.00-15	1939 Cus. Imp.	7.50-16								
1937 80	7.00-16										
1937 90	7.50-16										
1938 40	6.50-16										
1938 60	7.00-15										
1938 80	7.00-16										
1938 90	7.50-16										
1939 40	6.50-16										
1939 60	7.00-15										
1939 80	7.00-16										
1939 90	7.50-16										
CADILLAC											
1928 8	7.00-20										
1929 8	7.00-20										
1930 V8, V16	7.00-19										
1931 V8	7.50-19										
1931 V12	7.00-19										
1931 V16	7.50-19										
1932 V8	7.00-17										
1932 V12	7.50-17										
1932 V16	7.50-17										
1933 V8	7.00-17										
1933 V12	7.50-17										
1933 V16	7.50-17										
1934 V8	7.00-17										
1934 V12	7.50-17										
1934 V16	7.50-17										
1935 V8	7.00-17										
1935 V12	7.50-17										
1935 V16	7.50-17										
1936 V8-60	7.00-16										
1936 V8-70 & 75	7.50-16										
1937 60	7.00-16										
1937 65-70	7.50-16										
1937 75-85	7.50-16										
1937 90	7.50-17										
1938 V8-60	7.00-16										
1938 V8-65-75	7.50-16										
1938 V16	7.50-16										
1939 V8-60-61	7.00-16										
1939 V8-75	7.50-16										
1939 V16	7.50-16										
CHEVROLET											
1928 4	4.50-21										
1929 6	4.50-20										
1930 6	4.75-19										
1931 6	4.75-19										
1932 6	5.25-18										
1933 Standard	5.25-17										
1933 Master	5.25-18										
1934 Master	5.50-17										
1935 Std. 6	5.25-17										
1935 Master 6	5.50-17										
1936 Standard	5.25-17										
1936 Master	5.50-17										
1937 Std. 8-Mstr.	6.00-16										
1938 Six	6.00-16										
1939 Mas. 8-DeL.	6.00-16										
CHRYSLER											
1928 4-52	4.75-20										
1928 6-62	5.25-18										
1928 6-72	6.00-18										
1928 6-80	7.00-18										
1929 6-85	5.50-18										
1929 6-75	6.00-18										
1930 6	5.00-19										
1930 6-66 6-70	5.50-18										
1930 6-77	6.00-18										
1930 6-80	7.00-18										
1931 6	5.25-19										
1931 6-66 6-70	5.50-18										
1931 8	6.50-17										
1928 6	5.50-18										
1928 8	6.50-17										
1929 6	7.00-17										
1929 8	6.00-17										
1930 6	6.50-17										
1930 8	7.50-17										
1931 6	6.50-17										
1931 8	7.50-17										
1932 6	5.50-17										
1932 8	6.00-17										
1933 6	5.50-17										
1933 8	6.00-17										
1934 Std. 6	6.25-16										
1934 Std. 8	6.50-16										
1934 Cust. 8	7.00-16										
1935 6	5.25-17										
1935 Spec. 6	5.25-17										
1935 8	6.50-16										
1935 Super C-8	7.00-16										
1936 80	5.25-17										
1936 90	6.00-16										
1936 110	6.25-16										
1937 85-D	5.25-17										
1937 85	6.00-16										
1937 91	6.00-16										
1937 90	6.00-16										
1938 Special	6.00-16										
1938 Sup. Chgr.	6.50-16										
1939 Std. Spc.	6.00-16										
DE SOTO											
1929 6	5.00-19										
1930 8	5.25-19										
1930 6	5.00-19										

TIRE SIZES — Cars Which Use Them (1926-1939)

<p>4.40/21 1926-27 Chevrolet 4 1926-27 Ford 4T</p> <hr/> <p>4.50/20 1929 Chevrolet 6</p> <hr/> <p>4.50/21 1928 Chevrolet 4 1928-29 Ford 4A</p> <hr/> <p>4.75/19 1930-31 Chevrolet 6 1931 Durant (6-10) (6-12) 1929 Durant 4 1930-31 Ford 4A 1930-31 Plymouth 4 1928 to 30 Whippet (4)</p> <hr/> <p>4.75/20 1927-28 Chrysler 4 1928-29 Erskine 6 1929 Plymouth 4 1926 to 28 Pontiac 6</p> <hr/> <p>5.00/19 1930 Chrysler 6 1929 to 31 DeSoto 6 1928 to 31 Dodge (4-128) (6) (Std. 6) (6-DD) 1930-31 Essex Super 6 1928-29 Graham 6 1930 to 32 Nash (6) 1929 to 31 Pontiac 6 1929 Whippet 6-98A 1930-31 Willys (6) 1935 Willys 77</p> <hr/> <p>5.25/17 1933-34 Chevrolet Std. 1935 Chevrolet Std. 6 1936 Chevrolet Std. 1933-34 Continental 4-Lt. 6 1933 Ford B4 1933 Essex Terr. 6 1935 Graham 6 1936 Graham 80 1937 Graham 85 2-D 1933-34 Plymouth 6 1936 Plymouth P-1 1933 Rockne</p> <hr/> <p>5.25/18 1928 Auburn 6-76 1931 Buick 8-50 1932-33 Chevrolet (6) 1927-28 Chrysler 6-60 & 72 1932 DeSoto 6 1932 Essex 6 1932 Ford (4A) (V8) 1933 Hudson Super 6 1929-30 Marquette 6 1932 Nash 6-960 1928 to 31 Oldsmobile 6 1932 Plymouth 4 1932 Pontiac 6 1932 Rockne 6-65 1932 Willys 6-90</p> <hr/> <p>5.25/19 1927 Auburn (6-66) (8-77) 1931 Chrysler 6 1930-31 DeSoto 8 1928 Dodge Vic. 8 1928-30 Graham (6-14) (Std. 6) 1930 Hupmobile (6S) 1927 to 29 Marmon (Little 8) (8-68) 1931 Nash 8-70 1928-29 Peerless 6-60 & 61 1929 Roosevelt 8 1931 Studebaker (6) (Dict. 8)</p> <hr/> <p>5.25/20 1926-27 Hupmobile (6) (6A) 1928 Nash Spec. 8 1926-27 Oakland 6 1927 Oldsmobile 6</p> <hr/> <p>5.25/21 1926 to 28 Buick Std. 6-115 1926-27 Dodge 4 1926-27 Nash Spec. 6 1926-27 Studebaker Std. 6</p>	<p>5.50/16 1937-38 Ford 60 1939 Ford 60 1939 Hudson 112 1937-38 Plymouth P3 Std. 1939 Plymouth P7 1937-38 Willys 1939 Willys</p> <hr/> <p>5.50/17 1934 Auburn Std. 6 1935 Auburn 653 1934 Chevrolet Master 1935 Chevrolet Mast. 6 1936 Chevrolet Master 1933 Chrysler CO6 1933 Continental Big 6 1933 DeSoto 6 1934 Essex Terraplane 6 1933-34 Ford V8 1932-33 Graham (6) 1933 Hudson 6 1934 LaFayette 1933-34 Nash Big 6 (Std. 8) 1933-34 Oldsmobile (6) 1933 Pontiac 8 1933 Rockne 6-75 1933-34 Studebaker 6, Dict. 6 1933 Willys 99</p> <hr/> <p>5.50/18 1929-30 Auburn (6-80 & 85) 1932 Buick 8-50 1929 to 32 Chrysler (6-65) (6-70) (6-66 8) 1930 to 32 Dodge (8DC) (8) (6) 1930-31 Graham Special 6 (Std. 6) 1930-31 Hudson 8 1932 Hupmobile 6-126 1931-32 Nash 8-80 (8-970) (Spec. 8) 1930 Reo 6-15 1932 Studebaker (6) (Dict. 8) 1932 Willys 8-88 1932 Willys Knight 6-95</p> <hr/> <p>5.50/19 1930-31 Buick (6-40) (8-60) 1930 Dodge Std. 6 1928-29 Graham (6-15) (6-19) 1928 to 32 Hupmobile (6A) (Cent. 6 & 8) (8-218) (6-214) 1929-30 Nash Spec. 6 1930 Studebaker (Dict. 6 & 8) (Com. 6 & 8) 1931 Willys 8-80 1928 to 30 Willys Knight (6-56) (6-70B)</p> <hr/> <p>6.00/16 1936 Auburn 654 1937-38 Chevrolet Std. 1937-38 Chevrolet Master 1939 Chevrolet Master and De Luxe 1937-38 DeSoto S-3-5 1939 DeSoto S-6 1933 Dodge 6 1935-36 Dodge Six 1937-38 Dodge D5-5 1939 Dodge Six 1933 Essex Terraplane 6 1934 Essex Terraplane 6 1935 Essex Terraplane 6 1935-36 Ford V-8 1937-38 Ford 85 1939 Ford V-85 1936 Graham 90 1937-38 Graham 85, 90, 91, 95 1939 Graham Std. Sp. 1935 Hudson Big 6 1936 Hudson 6 1939 Hudson 6-81, 82, 83 1935 Hupmobile 518 1936 Hupmobile 618</p>	<p>1935-38 Lafayette 6 1936-37 Lafayette 1936 Nash 400 1939 Nash Lafayette 1933-34 Plymouth 6 1935 Plymouth 6 1936 Plymouth P-2 1937-38 Plymouth P3, P4 1939 Plymouth P8 1935-36 Pontiac 6 1937-38 Pontiac 6 1939 Pontiac 6 1939 Pontiac 8 1935-36 Studebaker Dict. 1937-38 Studebaker Dict. 1939 Studebaker Com. 1936 Terraplane 6 1937-38 Terraplane 6</p> <hr/> <p>6.00/17 1931 to 34 Auburn (8-98) (8-105) (8-101) (12-165) (12-160) 1933 Buick 33-50 1933 Chrysler CT8 1931 to 33 Graham (Spec. 8) (8) 1935 Graham Spec. 6 1932-33 Hudson 8 1932 to 34 Hupmobile (8-222) (322) (422) (6-321) (421) 1932-33 Oldsmobile (6) (8) 1932-34 Pontiac 8 1932 to 34 Reo (6-21) (6) 1933-34 Studebaker (8-63) (Com. 8) 1932 Willys Knight 66D</p> <hr/> <p>6.00/18 1927 to 30 Auburn (8-77) (6-66) (8-88) (8-90) (8-95) 1932 Buick 8-60 1927 to 30 Chrysler 6-70 72, 75, 77 1932 Dodge 8 1930 Graham Spec. & Std. 8 1928 to 31 Reo (6-15) (6F) (6-20) (6-Wol.) 1932 Studebaker Com. 8 1931 Willys Knight 66D</p> <hr/> <p>6.00/19 1927 Auburn 8-88 1928 to 30 Dodge Sen. 6 1928-29 Graham (6-29 & 21) 1927 to 29 Hudson Super 6 1928 to 32 Hupmobile (8M) (8C) (8-221) 1928 Locomobile 8-70 1931 Studebaker Com. 8 1928-30 Willys Knight (6-70B) (6-66B)</p> <hr/> <p>6.00/20 1927 Hupmobile 8E 1928 LaSalle 8-125 1928-29 Nash Adv. 6 1928 to 30 Packard (6-526) (8-626) (8-726) 1927-29-30 Studebaker (Spec. 6) (Pres. 8-125 & 8F)</p> <hr/> <p>6.00/21 1926 to 28 Buick Mast. 6 1926-27 Nash Adv. 6 1926-27 Peerless 6-72</p> <hr/> <p>6.25/16 1934 Auburn (Cust. 6-52) (Std. 8-50) 1935 40 Buick 1935 6 AS Chrysler 1936 Chrysler 6 1937-38 Chrysler Royal 1939 Chrysler Royal C-18 1935 DeSoto 6-AS 1936 DeSoto AS-6 1934 Dodge 6 1934 Graham 8 1934 Hudson 8-118 1935 Hudson 8 1936 Hudson 8 1939 Hupmobile 6</p>	<p>1935-36 Nash Amb. 6 1937-38 Nash Amb. 6 1939 Nash Amb. 6 1935 Oldsmobile 6 1935 Reo 6A 1936 Reo Flying Cloud 1937 Terraplane 8</p> <hr/> <p>6.50/16 1934 Auburn Cust. 8-50 1935 Auburn 851 1936 Auburn 852 1937 Auburn 810 1936-37 Buick 40 1938-39 Buick 40 1934 Chrysler 6 1935 Chrysler 8 AS 1936 Chrysler DeLuxe 8 1937-38 Chrysler C16 & C14 1939 Chrysler Imp. C-19 1934 DeSoto 6 1935 DeSoto 6AF 1936 DeSoto AF-6 1937 DeSoto S-3-7 1937 Dodge D5-7 1933-34 Graham (Std. 8) (6) 1935 Graham 8 1934 Hudson-8-123 1939 Hudson 8 1934 Hupmobile (6-417) (6-421J) 1935 Hupmobile 521 1936 Hupmobile 621 1939 Hupmobile 8 1934 Nash Adv. 8 1935 Nash Adv. Amb. 8 1936 Nash AS 1936 Oldsmobile 6 1938-39 Oldsmobile 6 1935 Packard 120 1937-38 Packard 6 1939 Packard 1700 1935 Pontiac 8 1936 Pontiac 8 1937-38 Pontiac 8 1935 Reo S 1935 Studebaker Com. 8 1937-38 Studebaker Pres. 1939 Studebaker Pres.</p> <hr/> <p>6.50/17 1933 Auburn (12-161) (8) 105 (12-165) 1933 Buick (33-60) 1931 to 33 Chrysler (8) (Imp. 8) 1933 Dodge 8 1932 to 34 Hupmobile (8-226) (237) (8-326) (8-416) 1932-33 Nash Adv. 8-980 1932 Packard 8-901 1931-32 Reo (620) (8-25) 1933-34 Studebaker 8-72 Pres. 8</p> <hr/> <p>6.50/18 1928 to 30 Auburn (8-115) (8-120) (8-125) 1931 Graham Cust. 8 1929 Hudson 6-139 1927 to 34 Reo (Fly. Cld.) (8-30) (8-35) (8-31) (8) 1932 Studebaker Pres. 8</p> <hr/> <p>6.50/19 1930-31 Buick (6-50) (8-80) (8-90) 1931 Cadillac V8 1929 to 33 Franklin 6 1928 to 32 Graham 8 1930 to 32 Hupmobile (8H) 8-U 8-225 1929 to 31 LaSalle 8 1930 to 31 Nash 8 1931-32 Packard (8-26) (8-33) (8-902) 1929 to 31 Pierce Arrow 6 & 8 1928 to 31 Studebaker Pres. 8</p> <hr/> <p>7.00/15 1936-37 Buick 60 1938-39 Buick 60 1933 Chrysler 6 1933 DeSoto 6 1937 Hudson 6-8</p>	<p>1937 Studebaker 6 7.00/16 1934 Buick (8-50) 1935 Buick 50 1936-37 Buick 80 1938-39 Buick 80 1936-37 Cadillac V8, 60-61 1938-39 Cadillac V8, 60-61 1934 Chrysler 8 1935 Chrysler 8-AF 1936 Chrysler AF-8 1934 Graham Cust. 8 1935 Graham Super C-8 1934 Hupmobile 8-427 1935 Hupmobile 627 1934-35 LaSalle 8 1937-38 LaSalle 50 1939 LaSalle 8 1936-37 Lincoln Zephyr 1938-39 Lincoln Zephyr 1937-38 Nash Amb. 8 1939 Nash Amb. 8 1934-35 Oldsmobile 8 1936-37 Oldsmobile 8 1938-39 Oldsmobile 8 1936-37-38 Packard 120 1939 Packard 1701-2 1939 Packard 1703-5 1933 Rockne 6-65 1935 Studebaker Pres. 8</p> <hr/> <p>7.00/17 1933 Auburn 12-165 1933 Buick 80 & 90 1932 to 34 Cadillac (V8) 1935 Cadillac V8 1932 Chrysler Imp. 8 1932-33 LaSalle 8 1934 Nash Amb. 8 1933-34 Packard Lt. 8 Super 8 1935 Packard 8 1935 Packard Super 8 1936 Packard 8 1933 Studebaker 8-92</p> <hr/> <p>7.00/18 1932 Buick (8-80) (8-90) 1927 to 30 Chrysler (6-80) Imp. 6 1932 to 34 Lincoln (V8) (V12) 1931 to 34 Marmon "16" 1933 Nash (Amb. 8) (8-990) 1932 Packard 8-904 1930-32 Pierce Arrow 8 & 12 1930 Buick 6-60</p> <hr/> <p>7.50/16 1934 Buick (860) (8-90) 1935 Buick 60 1935 Buick 90 1936-37 Buick 90 1938-39 Buick 90 1936-37 Cadillac V-8 1938-39 Cadillac V-8 1938-39 Cadillac V-16 1934 Chrysler Imp. 8 1935 Chrysler Imp. AF 1935 Chrysler 1C8AF-137 1937-38 Chrysler Imp. 1939 Chrysler Cus. Imp. 1937-38 Packard 8 1500</p> <hr/> <p>7.50/17 1932 to 34 Cadillac 12, V-16 1935 Cadillac V-12 1935 Cadillac V-16 1937 Cadillac 90 1935 Chrysler 1C8AF-146 1935-36 Lincoln V12 1937-38 Lincoln V12 1939 Lincoln V12 1933-34 Packard 12 1935 Packard 12 1933-34 Pierce-Arrow (1247) (12-42) 1240 (1248) 1935 Pierce Arrow 1245 1935 Pierce Arrow 1255</p>
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AUTOMOBILE JACKS

AMERICAN STANDARD HYDRAULIC



A high quality jack. Its sturdy construction, handsome appearance and superior features make it an outstanding value among low priced hydraulic car jacks.

Jack is perfectly balanced and easy to control—ram in center of base prevents tipping under load. Centered handle socket makes it easy to position jack under axle with regular pumping handle. Pin point release valve directly under handle socket. Body, base and angled pump one-piece leakproof certified malle-

able iron, with high-grade steel working parts. No joints to loosen and leak.

Will operate in any position—upright or horizontal—and is ideal for bending and pressing.

Tested to 50% over its rated capacity.

Attractively finished in bright red, with blue and gold labels. Complete with two-piece green enameled steel handle 30 3/4 inches long.

Capacity 1 1/2 tons. Height, low 7 inches, total height 14 1/2 inches. Hydraulic lift 5 1/2 inches. Hand extension 2 3/4 inches.

OB SX107—Weight each 9 1/2 lbs.....Each \$3.95

One in a carton.

AJAX



These jacks are built to handle all of today's popular light weight cars. They operate smoothly, are dependable and will give lasting service.

Designed especially for small cars with springs and axles set low down to the ground—will get under any car with a flat tire.

Pressed steel standard, with broad sledge-type base that slides easily. High-grade steel double screw, with steel cut gears enclosed in standard. Hardened steel cap with tilting feature to insure positive grip. Folding type steel handle, 36 inches long.

Capacity 3/4 Ton

Height down 5 inches, raise 7 1/2 inches. Full height 12 3/4 inches.

OB 2135—Weight each 4 1/2 lbs.....Each \$1.59

Fifteen in a case.

ERO

All Steel—Ratchet



The oversize base on this jack makes it the steadiest jack of its type on the market. All mechanism is readily accessible—an unusual feature on a ratchet jack.

Well constructed of heavy channel steel, with clean, sharp ratchet teeth. 14-inch steel handle. Black enameled finish.

Ample capacity for light weight cars. Height closed 8 1/2 inches. Extended 14 inches.

OB 4004—Weight each 3 3/4 lbs.....Each \$0.69

Twelve in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SPRINGFIELD

Bumper Type—Ball-Bearing



Will safely raise one wheel of any pleasure car on the market, without necessitating crawling under the car to jack it up by the axle. Has high and low grip—the low grip for large or oversize tires.

Malleable iron standard and double grip. Steel cut gears. High-grade steel screw 3/4 inch diameter. Complete with brace type round Bessemer steel handle. Green enameled finish.

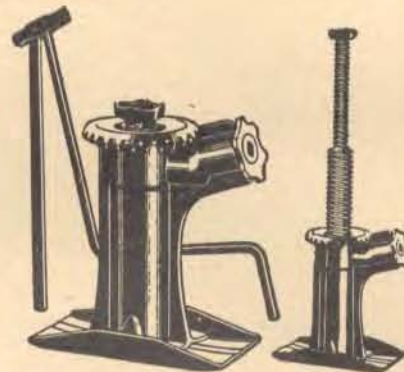
For cars weighing up to 3,500 lbs. Minimum height 11 inches, height over all 29 inches. Rise of grip 18 inches.

OB 35—Weight each 9

lbs.Each \$2.39

Packing—bulk.

Ball-Bearing Double Screw



You can depend on quick, easy action from this strong, smooth operating jack.

Steel welded body and base with skid. 3/4-inch steel inner screw, 1 1/4-inch outer screw. Hardened steel cup-shaped cap which assures positive grip with axle or spring. Handle 40 inches long. Painted green.

Capacity One Ton

Minimum height 7 1/4 inches. Maximum height 16 inches.

OB 83—Weight each 8 1/2 lbs.....Each \$2.69

One in a carton.

A Good Name to
Go Buy—
KEEN KUTTER

AUTOMOBILE PUMPS

ROSE



Quality made for ease of operation and long wear.

The patent valve eliminates friction and draws a full supply of air below the plunger on each up stroke. On the down stroke the valve automatically closes and forces the air into tire—this method allows tire to be quickly inflated with very little effort.

Seamless 18 gauge steel cylinder, 18 inches long, 1 1/4-inch diameter, blue enameled finish. Heavy steel cap with air intake hole. Extra heavy steel base with 3/4-inch round steel collapsible foot rest, which folds snugly against cylinder.

Extra large black enameled wood handle, securely fastened to piston with bolt and steel plate. Steel piston rod, 7/16-inch in diameter. Specially tanned cup leather, with patent valve, 5-ply rubber tubing 24 inches long, with standard screw connection. Length over all 22 inches.

OB 150—Weight each 3 lbs. Each \$1.95

One in a carton.

ROSE—DAISY



These pumps are made on the same machines and by the same expert workmen as the famous Rose pumps.

The easy, labor-saving stroke, perfect compression, durable trouble-free construction, heavy steel barrel, durable cupped piston leather, and large, comfortable wood handle combine to give the best value available for the money.

Blue enameled steel barrel 18 inches long, 1 1/2 inches in diameter, with steel cap and base. Collapsible steel wire foot rest. Black enameled wood handle with steel piston rod. Patented valve. Red rubber tubing, with standard screw connection. Length over all 21 inches.

OB D1850—Weight each 2 1/2 lbs. Each \$1.19

25 in a case

NOERA



An inexpensive, sturdy black enameled steel barrel pump which will give excellent service. All connections are made firm and leakproof. Black enameled steel barrel 1 1/4 x 17 inches with steel cap. Strong stamped steel, black enameled foot base. Steel plunger rod with well-seasoned natural finish hardwood handle. A coil spring encircles the rod inside the barrel and serves as safety buffer between plunger and cap on the upstroke. Two-ply black rubber hose 18 inches long with standard tire valve connection.

Has check valve connection that is a sure check against compressed air escaping into the pump.

OB 2102—Weight each 1 1/2 lbs. Each \$0.49

25 in a carton. Weight per carton 37 lbs.

CUP LEATHERS



The size of a cup means the outside diameter of the cylinder for which the cup is intended—a 1-inch cup leather fits a cylinder which is 1-inch outside diameter.

Nos.	Each	Size, Inches	Weight Per 100
OB CL78	3 for 5c	7/8	10 ozs.
OB CL100	3 for 5c	1	10 ozs.
OB CL114	2 for 5c	1 1/4	10 ozs.
OB CL112	2 for 5c	1 1/2	10 ozs.
OB CL134	2 for 5c	1 3/4	1 1/2 lbs.

Packing: 1 1/4-inch—50 in a cardboard box.
Others—100 in a cardboard box.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

REPAIR PATCHES

SIMMONS LACLEDE

All Rubber—For Repairing Inner Tubes

Will make a permanent repair and is guaranteed to withstand the greatest tire heat, air pressure and road shocks.

A high grade all-rubber cold patch covered with linen on one side to protect uncured rubber. Will stretch with the tube.

Outfit complete with all rubber patch, tube of cold patching cement, and metal buffer.

Patch 3x12 inches, with 3/4x4-inch tube of cement.

OB S412—Weight per dozen
3 3/4 lbs. Each \$0.15

One dozen in a carton.

For repairing automobile and motorcycle inner tubes, rubber boots, hose, hot water bottles, or anything made of rubber.

The patches are highest grade cured rubber, backed with semi-cured rubber. They make a permanent repair that will not creep, loosen or blow through.

Each outfit consists of one patch 3x5 inches, six patches 1 1/4 x 1 1/4 inches, and one 3/4 x 3-inch tube of cold patching cement in a round cardboard box with scraper top.

OB S10—Weight per dozen 2 lbs. Each \$0.10

Six dozen in a carton.



PRESSURE GAUGES

IMPROVED SCHRADER—FLAT BAR

For Balloon Tires



These gauges have a black finish flat bar indicator with easily read white figures and graduations. The flat bar flashes out, giving the correct pressure reading instantly—it is not necessary to turn the gauge to read pressure.

There are no delicate, fragile parts and no complicated mechanism to get out of order. The positive, direct action affords an unfailing check-up on tire pressure.

Nickel-plated brass case. Improved ball foot permits use on all wheels with balloon tires. Length 2 3/4 inches, diameter 1/2-inch. Calibrated from 10 to 50 lbs. in 1-lb. units.

OB 5050—Weight each 3 ounces. Each \$1.39

One in a leather case. Ten in a cardboard box.

TIRE VALVE CORES

For Schrader Valves on Either High or Low Pressure Tires



They have spring cup at bottom, stabilizing guide at center of pin and bridge-type screw plug at top. These three points of support assure perfect core alignment and positive air-tight seal when in use.

OB 4000—Weight per 1,000
1 1/2 lbs. Per Box of Five \$0.25

Five cores in a slide-cover metal box.
Fifty in a display carton.

TIRE VALVE CAPS

For Schrader valves.



Brass, nickel plated, with knurled edge and slot in top. Can be used to remove plunger core. Rubber washer inside. Length over all 5/8 inch.

OB 880—Weight per 100, 2 ozs. Each \$0.05

Five in a metal box.

EMERGENCY CHAINS

For Pulling Passenger Cars Out of Ruts,
Deep Snow or Mud

WEED—UNIT



Balanced construction insures chains remaining in proper position on tire.

Heavy galvanized side plates stand the gaff of hard wear.

Snug-fitting for greater efficiency.

Double-locking buckle, easy to operate, prevents unit from becoming loose in use.

Bar-reinforced cross chains give maximum traction, longer wear.

Brass-plated cross chains and side plates.

Weather-proofed web strap.

Can be used on either wood or wire wheels.

Straps on—quickly and easily put on or removed. Not for continued use.

Nos.	Each	Fits Tires, Size, Inches	Weight Each, Lbs.
OB P0	\$0.59	4, 4.40, 4.50, 4.75	1
OB P1	.69	5, 5.00, 5.25, 5.50	1½
OB P2	.79	6.00, 6.25, 6.50	1½

Six units in a heavy cloth bag.



CLEVELAND

Constructed to fit firmly on tire and remain in good grip position.

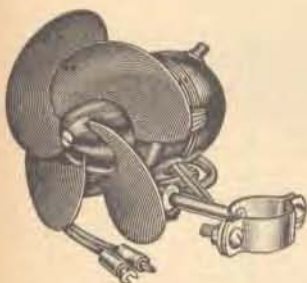
Wrought steel side members are strong and durable.

Two cross chains are case-hardened and brass plated. Give good traction.

Strap 1 inch wide of black webbing.

Nos.	Each	Brass Plated Fits Tires, Size, Inches	Weight, Each, Lbs.
OY CC21	\$0.25	4.00, 4.40, 4.50, 4.75	1
OB CC22	.29	5.00, 5.25, 5.50	1½
OB CC23	.35	6.00, 6.25, 6.50	1½

Packing—bulk.



KNAPP-MONARCH

For automobiles, motorboats and airplanes—keeps frost from freezing on windshield in winter—and the efficient air flow makes it ideal for summer ventilation.

2-speed switch: Moderate air delivery for mist and frost, high speed for frost and stuffy interior.

With flexible, safe rubber blades—no rattle, no cumbersome guard—no glare. Mounted on universal ball joint. Can be tilted at any angle. Convenient switch is large enough to handle while wearing gloves. Non-glare brown enamel finish.

Equipped with necessary attachments to install on steering wheel post. Easily installed—has 40-inch rubber lead cord, ample for attaching to electrical system of car. Uses minimum amount of current, approximately 2.8 amperes.

Operates on 6 volts D. C. current only.

OB 84-8—Weight each 2 lbs.....Each \$2.98

One in a carton Six in a case.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

SIMONIZ

"Makes Cars Stay Beautiful"



• The scientifically perfect method of cleaning and protecting all fine finishes.

• "Motorists wise" know it gives the hardest and most durable protection, as well as beauty, to the finish of a new car.

• Never smears or spots.

• After Simonizing—mud splashes and dust or rain spots can be wiped off easily with a cloth without injury to the finish.

• Also protects household and office furniture from dust, scratches, stains, and blemishes.

In friction top tin cans.

OR 160—6½-ounce (net weight) cans.....Per Can \$0.44

Weight per carton 38 lbs.

24 cans in a carton.

SIMONIZ KLEENER

Quick to Use,
Safe, and Economical.



When it comes to restoring the luster to a dull car finish, Simoniz Kleener is the best dry cleaner for the job! It thoroughly and safely cleans all fine finishes—lacquer, enamel or varnish.

Use it, too, for furniture to protect it from stains and scratches.

In friction top tin cans.

OR 150—12-ounce (net weight) cans.....Per Can \$0.44

Weight per carton 23 lbs.

24 cans in a carton.

COIL SPRINGS



Extension and compression springs for use in garage or repair shop.

All high-grade spring wire, accurately coiled and looped, black japanned.

Extension springs range in size from 2¾ to 6 inches and compression springs from 1¾ to 3 inches.

Assortment of 180 Springs

OB 11—Weight per assortment 9 lbs.....Each \$0.05

Each assortment in a substantial partitioned box.

AUTOMOBILE FANS

PERMATEX FORM-A-GASKET

This product has many desirable qualities and hundreds of uses. It is supersensitive to the slightest irregularities in the surfaces with which it comes in contact.

It spreads like soft butter, sets firmly into position and dries hard or pliable, depending on whether No. 1 or No. 2 is used.

When making assemblies with new or old gaskets or without solid gaskets, every pit, scratch or break in the surfaces is filled by the Form-A-Gasket that is applied as a thin film of leakproof protection.



Fast Drying—Hard Setting

No. 1 is fast-drying, hard-setting assembling paste used for making permanent assemblies, building up uneven or warped flange surfaces and for repair of broken parts.

It makes unions leakproof to gasoline, gasoline vapor, kerosene, hot or cold oil, grease and water. Such unions will also withstand maximum heat, greatest pressure and continual vibration. Adds strength and resistance wherever needed.

Nos.	Each	Size Tube, Ounces	Weight	
			Dozen in Carton	Per Doz., Lbs.
OB 1/2T	\$0.35	2	1	5
OB 1/8T	1.00	8	1/2	15



Non-Hardening—Pliable

No. 2 is a non-hardening, pliable product for general assembly work where speed of application is desirable and disassembling is frequently done. All types of solid gaskets, from heaviest copper to thinnest cork, are preserved and may be used again in the same assemblies. It spreads with extreme ease and disassembles at slightest touch.

Nos.	Each	Size Tube, Ounces	Weight	
			Dozen in Carton	Per Doz., Lbs.
OB 2/2T	\$0.35	2	1	5
OB 2/8T	1.00	8	1/2	15

VALVE GRINDING COMPOUND



For grinding valves, lapping cylinders, fitting piston rings, and other motor parts.

The high-grade abrasive is compounded with a special hard petroleum which keeps it suspended in mechanical mixture under 250° Fahrenheit.



In two-compartment friction top tin cans—one-half grade D (roughing) and one-half grade A (finish and polishing) in a can.

Nos.	Each	Contents		Weight per Dozen, Lbs.
		Cans, Ounces	Dozen, Lbs.	
OB 20	\$0.35	2	1 1/2	
OB 40	.55	4	3	

Twelve in a carton.

HAND SOAP



KLEX

Lathers in any water, in any temperature

A high-grade soap made with coconut oil and pumice stone. Especially recommended for mechanics, autoists, printers, painters and office workers.

OB 5—Weight per gross 46 lbs.....2 for \$0.15

One cake in a carton. One-half gross in a fibre box.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

GARAGE MEASURES



SIMMONS KANT LEAK

Heavy gauge steel, double seamed and soldered, extra heavily galvanized, with narrow red stripe at top, bottom and funnel.

Extra large funnel with fine copper gauze strainer in opening soldered to body.

Nine-gauge iron wire ball with black enameled ball wood. Heavy steel ears riveted on. Flat steel loop handle near bottom, riveted on.

Capacity 5 Gallons. Height of body 13 1/4 inches, diameter 11 inches, height over all 17 3/4 inches, length over all 18 1/2 inches.

OB S925—Weight per dozen 65 lbs.....Each \$1.75

One-quarter dozen in a crate.

TRACTOR FILLING CANS

RADIATOR



Heavy galvanized beaded sheet steel body, seamed and soldered. Large spout with brass strainer. Flat steel loop handle at back, riveted on. Heavy steel wire ball with black enameled wood grip. Red painted stripe top and bottom.

Capacity 5 Gallons. Height 14 inches, diameter 11 inches, height over all 16 inches.

OB T5—Weight per dozen 64 lbs.....Each \$1.00

One-quarter dozen in a carton.

OFFSET TRACTOR FUNNELS

DELPHOS—Non-Swirl



The non-swirling feature consists of a galvanized iron fin in body of funnel. This fin makes the liquid run through faster without forming a swirling cone that usually slows down the liquid and makes it run over the top.

Extra heavy galvanized iron, double seamed and soldered. Rolled top rim. Brass strainer cloth in tube. Equipped with ring to hold chamois in position. Wire ring on side for hanging. Red enameled stripe around top.

Side Tube

Capacity 2 gallons. Diameter 12 inches.

OB 900—Weight per dozen 40 lbs.....Each \$1.19

One-quarter dozen in a carton.

FUNNELS

NESCO

Automobile



Extra heavily galvanized sheet steel, seamed and soldered, with brass wire strainer. Rolled top rim. Extra hoop to fasten chamois

Capacity 2 gallons. Diameter 12 1/4 inches.

OB 2G—Weight per dozen 40 lbs.Each \$1.00

Tractor



28-gauge galvanized sheet steel, seamed and soldered. Heavy wire rim crimped at top. With supporting skirt. Brass wire strainer. Capacity 5 quarts. Diameter 10 inches. Height over all 9 inches.

OB 50—Weight per dozen 32 lbs.....Each \$0.89

One-half dozen in a crate.

GALENA MOTOR OIL

A super quality 100% pure Pennsylvania oil —
More efficiency, economy and safety for your car.

Galena Motor Oil will lubricate under every condition. It will not thin out or break down under the heat of the modern high-speed engine, nor get thick and gummy when cold.

- **Easy starting**—Galena 100% Pennsylvania Oil, when cold, will not thicken as readily as oils made from any other crudes—and therefore motors lubricated with Galena Oil offer less resistance to the efforts of the starter and battery—start easier on cold mornings. Also, because of better adherence to metal, will give perfect lubrication from the instant of starting.
- **Pep and Speed**—The rich body of a Galena Oil seals piston rings better, increases compression and power, and forms a firm film on the cylinder walls and all moving parts that decreases friction drag.
- **Safety**—Galena Oil forms a protective film over all friction-surfaces of the motor, reduces wear, eliminates the possibility of oil failure permitting mechanical injury or breakdown, such as burned-out bearings and scored cylinder walls. Even high motor heat and the hardest driving will not cause this high-grade Pennsylvania Oil to thin out and fall.
- **Economy**—In addition to the economy of reduced wear and fewer repairs, Galena Oil will stand up longer between changes, and will go farther between added quarts, because its durable, firm body allows only a minimum amount to pass the piston rings, and the little that does pass will not burn and exhaust as easily as other oils, but remains on the cylinder walls to lubricate the piston on its upstroke.



Grade	1-Qt. Cans	5-Qt. Cans	5-Gal. Cans
Extra light SAE10	OB G101Q	OB G105Q	OB G105G
Light SAE20	OB G201Q	OB G205Q	OB G205G
Medium SAE30	OB G301Q	OB G305Q	OB G305G
Medium heavy SAE40	OB G401Q	OB G405Q	OB G405G
Heavy SAE50	OB G501Q	OB G505Q	OB G505G
Special heavy SAE60	OB G601Q	OB G605Q	OB G605G
Super heavy SAE70	OB G701Q	OB G705Q	OB G705G

Can, Quantity	Per Can	Cans in Case	Weight Per Case, Lbs.
One-quart can	\$.30	24	56
Five-quart can	1.50	4	45
Five-gallon can	5.00	Self Cont'd.	.50

GALENA MOTOR OIL DEALS



To assist our customers in their selection of an assortment of oil we present the following:

Deal Consists of:

- 144 one-quart cans
- 12 five-quart cans.
- 3 five-gallon cans.
- 1 wire display rack.

OB G1—Weight per deal, 637 lbs.

Deal Consists of:

- 96 one-quart cans.
- 8 five-quart cans.
- 2 five-gallon cans.
- 1 wire display rack.

OB G2—Weight per deal, 430 lbs.

NOTE: When ordering deals be sure to specify plainly grades or our numbers of oil wanted.

DISPLAY RACKS



For Galena Motor Oil
This display rack serves as a complete, separate and attractive oil department in a very small space.

It accommodates nine 1-quart cans, and three 5-quart cans and makes an attention-compelling, sales-getting display.

Heavy wire rack, spot welded at intersections. Sturdy and almost topple-proof. Attractive metal signs in red, yellow and black.

Height 48¾ inches, width 30½ inches, depth 15¼ inches.

Cans of Oil Not Included.

OX GDR—Weight each, 16 lbs.

One in a carton.

PENN-ACTION MOTOR OIL

100% PURE PENNSYLVANIA

For All Speeds—All Weather



The modern motor oil—Penn-Action was especially developed to protect modern motors from the punishment of today's highest driving speeds under all weather conditions!

Particularly in the lighter grades now being recommended by car manufacturers, Penn-Action has higher flash and fire tests, higher viscosity indices and greater stability than necessary for superior performance.

A special processing of 100% Pennsylvania neutrals and bright stocks imparts these characteristics. Even in the lower S.A.E. grades, Penn-Action is economical—yields maximum mileage while lubricating perfectly and minimizing motor wear.

Grade	2-Gal. Cans	5-Gal. Cans
Extra Light SAE10	OB PA102G	OB PA105G
Light SAE20	OB PA202G	OB PA205G
Medium SAE30	OB PA302G	OB PA305G
Medium Heavy SAE40	OB PA402G	OB PA405G

Cans, Gallons	Per Can	Cans in Case	Wt. Per Case, Lbs.
2	\$2.40	3	50
5	5.00	Self Contd.	50

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

PENETRATING OIL



KEYSTONE

This oil has high wetting power against metals and their oxides and supplies the demand for an oil with fast penetrating qualities.

Guaranteed Non-Corrosive and Harmless to All Metal Surfaces

In Attractively Lithographed Tin Cans

Grade No. 1—Has extremely fast penetration, is "Wetter" than No. 2 and takes hold of the interstices of nut and bolt joints in a remarkably short space of time. It has no volatile materials and consequently greatly reduces the fire hazard. Because of this absence of volatile materials, it stays in place longer and saturates impacted surfaces thoroughly.

Because it has high penetrating qualities, No. 1 is less of a lubricant than No. 2. However, it provides ample lubrication to support its wetting properties.

OB P0/1P—One-pint cans—with handy spout enclosed in can. Weight per dozen cans 16½ lbs. **Per Can \$0.69**

OB P0/1G—One-gallon cans. Weight per can 8 lbs. **Per Can 3.00**

Grade No. 2—Has more lubricating and less penetrating qualities than No. 1, but even as a penetrator renders outstanding service as a break-in oil. As such, it is superior to most oils.

Also aids in preventing sticking valves and has a tendency to soften carbon deposits. Makes a very efficient spray for springs and chassis and eliminates all body and door squeaks.

OB P0/2P—One-pint cans—with handy spout enclosed in can. Weight per dozen cans 16½ lbs. **Per Can \$0.69**

OB P0/2G—One-gallon cans. Weight per can 8 lbs. **Per Can 3.00**

Packing—bulk.

LUBRICATING GRAPHITE



DIXON'S—PURE FLAKE

Dixon's Ticonderoga Flake Graphite has many valuable applications as a lubricant for cylinders, valves and bearings, either alone or mixed with oils and greases. It is also nearly indispensable to engineers and mechanics for coating gaskets and packing for pipe fittings.

COARSE FLAKE

Especially intended for heavy or loose bearings, cylinders of blowing engines, for flanges, gaskets or packings.

OB 1632—1-lb. cans. 36 cans in a case...**Per Can \$0.69**

FINE FLAKE

Especially intended for lubrication of engine cylinders, valve motions and valves, and generally for all close-fitting bearings.

Nos.	Per Can	Contents Cans, Lbs.	Cans In a Case
OB 2631	\$0.49	½	36
OB 2632	.69	1	36
OB 2633	2.95	5	10

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

ANTI-FREEZE

NOR'WAY

A New and Better Methanol Anti-Freeze . . . Complete Protection

Nor'way anti-freeze is in every way a "de luxe" product. Three quarts of it are equivalent in anti-freeze protection to four quarts of ordinary denatured alcohol.



It was developed in the Research Laboratories of Commercial Solvents Corporation—the first American company to market synthetic methanol. It does not contain denatured alcohol or water, is practically odorless and does not evaporate one-half as quickly as ordinary denatured alcohol. A special anti-rust ingredient keeps cooling system clean and free from clogging.

Nos.	Per Gallon	Contents and Style of Container	Quantity in Case	Wt. Per Case, Lbs.
OB NWQ	\$0.95	1-Qt. Cans	24 Cans	50
OB NW1R	.85	1-Gal. Round Can	6 Cans	50
OB NW5	.85	5-Gal. Drums	.....	40
OB NW54	.77	54-Gal. Drums	.....	417

Proportion of Water and Nor'way to Protect Cooling System

Directions:

Ascertain capacity of cooling system, including hot water heater. Empty radiator and pour in quantity of Nor'way specified for temperature to which protection is desired. Fill with water to within 3 inches of top of radiator. To replenish, add equal parts of Nor'way and water. The following figures are based on a 10-quart cooling system. Other systems can be figured in proportion.

Protection Desired	Water Quarts	Nor'way Quarts or	Water Per Cent	Nor'way Per Cent
20° above Zero	8¾	1¼	87.5	12.5
10° above Zero	8	2	80	20.
Zero	7¾	2¾	72.5	27.5
10° below Zero	6½	3½	65	35
20° below Zero	6	4	60	40
30° below Zero	5½	4½	55	45

Complete proportion chart on can.

Polly-Prim

ALUMINUMWARE

*Does the Work Well
and Costs So
Little*



General Electric Lamp Accessories

THREE-LAMP METAL KIT



Always carry "spares" for emergency replacements—avoid the inconvenience and danger of unexpected light failure in out-of-the-way places far from service.

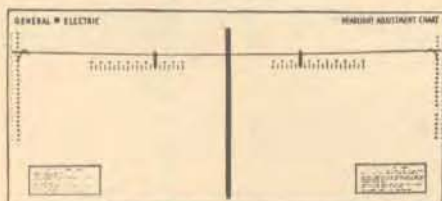
Two Colors—Weight each $\frac{1}{2}$ lb.....Each \$0.04

BLACKENING DETECTOR



Replace failing bulbs before they burn out. Merely place bulb in detector—special textolite material backing immediately shows if bulb is beginning to lose its lighting power. Made of textolite....Each \$0.10

ADJUSTMENT SCREEN



Insures clearest and safest lighting of the road. Chart easily and quickly permits correct adjustment for most efficient, non-glare lighting.

Size 8x4 feet. Adjustable vertical and horizontal markers. (Unmounted.) Weight each $\frac{1}{4}$ lb...Each \$0.85

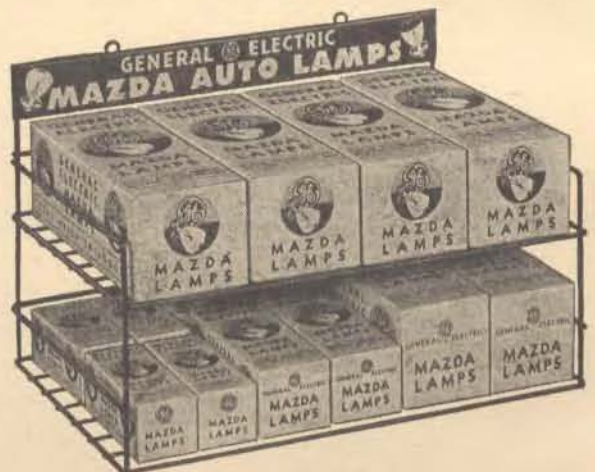
BATTERY TYPE LAMP TESTER



Quickly and surely tests all types of auto lamps.

Without Cells—Weight each $\frac{1}{2}$ lb.....Each \$0.20

WIRE LAMP RACK



Keeps lamps ready at hand for faster customer service—also very efficient as a "reminder" display.

Holds 10 boxes of bulbs. For larger stocks use two racks. Weight each $1\frac{1}{2}$ lbs.....Each \$0.25

For Penetrating Warmth,
USE A
SIMMONS
Circulator Heater

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.



General Electric Mazda Automobile Lamps



Use Better Lamps for Greater Safety!

There Is a Difference Between Auto Lamps—A Difference That May Prevent an Accident

GENERAL ELECTRIC MAZDA LAMPS ARE DEPENDABLE

6-8 VOLT AUTOMOBILE SERVICE



Single Contact



Double Contact

Base has two projecting studs which engage in right angle slots in receptacle or socket equipped with a spring which presses against the base of bulb holding it firmly.

Mazda Lamp Number	Std. List and Retail Price, Each	Candle-power	Bulb	Base
51 ²	\$0.07	1	G-31½	Min. Bay.
55	.07	0.4 Amps.	G-4½	Min. Bay.
61 ²	.20	2	G-6	Bay. Cand.
62 ²				
63	.07	3	G-6	Bay. Cand.
64	.12	3	G-6	Bay. Cand.
75 ³	.16	3	G-6	Bay. Cand.
81	.10	6	G-6	Bay. Cand.
82	.13	6	G-6	Bay. Cand.
87	.15	15	S-8	Bay. Cand.
88	.20	15	S-8	Bay. Cand.
1000	.19	32-32	RP-11	Bay. Cand.
1104	.60	32-21	RP-11	D. C. Prefoc.
1105S ⁴	.45	50	RP-11	Bay. Cand.
1110	.19	21-21	RP-11	Bay. Cand.
1114 ⁵	.45	21-21	RP-11	Bay. Cand.
1116	.19	32-21	RP-11	Bay. Cand.
1118 ⁵	.45	32-21	RP-11	Bay. Cand.
1129	.19	21	S-8	Bay. Cand.
1130	.23	21	S-8	Bay. Cand.
1133	.19	32	RP-11	Bay. Cand.
1154 ⁶	.25	21-3	S-8	Index Bay. Cand.
1158	.19	21-3	S-8	Bay. Cand.
1170 ⁵	.45	21-6	S-8	Bay. Cand.
1172 ⁵	.45	32-6	RP-11	Bay. Cand.
1183	.35	50	RP-11	Bay. Cand.
1184	.40	50	RP-11	Bay. Cand.
1186	.40	50-21	RP-11	Bay. Cand.
1188	.40	50-32	RP-11	Bay. Cand.
1323 ⁴	.27	32	RP-11	S. C. Prefoc.
1503 ⁴	.50	50	RP-11	S. C. Prefoc.
2320	.30	32-21	RP-11	D. C. Prefoc.
2330	.30	32-32	RP-11	D. C. Prefoc.
2331 ¹	.30	32-32	RP-11	D. C. Prefoc.
2520	.50	50-21	RP-11	D. C. Prefoc.
2530	.50	50-32	RP-11	D. C. Prefoc.
2531 ⁷	.60	50-32	RP-11	D. C. Prefoc.
3001 ⁸	.75	21-21-32	S-12	3-Pin Bay.
3003 ⁹	.75	32-32-32	S-12	3-Pin Bay.

Notes: 1—indicator. 2—3-4 volts. 3—7.5 volts for bus, taxi service. 4—for fog lights, spotlights. 5—for Fords prior to 1929. 6—not interchangeable with 1158. 7—bar. filament. 8—1932-1933 Cadillac. 9—1933-1934 Packard.

12-16 VOLT AUTOMOBILE SERVICE



Mazda-55
G-4½ Bulb
Min. Bay. Base



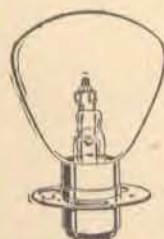
Mazda-61
Mazda-63
Mazda-81
G-6 Bulb
Bay. Cand. Base



Mazda-87
Mazda-93
S-8 Bulb
Bay. Cand. Base



Mazda-1000
Mazda-1110
Mazda-1116
RP-11 Bulb
Bay. Cand. Base



Mazda-2331
(Prefocused),
RP-11 Bulb
Base has metal collar with graduated slots so that bulb can be secured in correct focused position by a slight turn to the right.

Mazda Lamp Number	Std. List and Retail Price, Each	Candle-power	Bulb	Base
57	\$0.18	0.2 Amps.	G-4½	Min. Bay.
67	.15	3	G-6	Bay. Cand.
68	.15	3	G-6	Bay. Cand.
89	.21	6	G-6	Bay. Cand.
90	.21	6	G-6	Bay. Cand.
93	.25	15	S-8	Bay. Cand.
94	.25	15	S-8	Bay. Cand.
1120	.45	21-21	RP-11	Bay. Cand.
1122	.45	32-21	RP-11	Bay. Cand.
1124	.45	32-32	RP-11	Bay. Cand.
1141	.30	21	S-8	Bay. Cand.
1142	.30	21	S-8	Bay. Cand.
1143	.50	32	RP-11	Bay. Cand.
1144	.50	32	RP-11	Bay. Cand.
1176	.55	21-6	S-8	Bay. Cand.
1195	.60	50	RP-11	Bay. Cand.
1196	.60	50	RP-11	Bay. Cand.
1327	.60	32	RP-11	S. C. Prefoc.
2326	.55	32-21	RP-11	D. C. Prefoc.
2336	.55	32-32	RP-11	D. C. Prefoc.
2526	.70	50-21	RP-11	D. C. Prefoc.

Average weight per 100, 3 lbs. Ten in a unit carton.

Note to dealer: The symbols "OB" apply to all items listed above.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

AUTOMOBILE BULB INFORMATION

The Following Information Shows Automobile Bulbs Required for the Various Passenger Cars:

Car and Model Year	Aux. Head		1st No. Inst., Dome		Stop Signal	Lic. Plate		Car and Model Year	Aux. Head		1st No. Inst., Dome		Stop Signal	Lic. Plate	
	Head-light	Fender Side	2nd No. Indic'r	or Panel					Head-light	Fender Side	2nd No. Indic'r	or Panel			
AMERICAN BANTAM								CORD							
1938-1939	2330	55	1158	63	64	1158	..	1930-31	1000	63	63	63	87a	87	..
AUBURN								DE SOTO							
1930	1133	63	63	63	81	87	..	1930-31	1000	63	1158	63	64d	1158	..
1931	1000	63	1158	63	81	1158	..	1932-33	1000	63	1158	63	87	1158	..
1932-33	1000	63	1158	63	81	1158	..	1934	2320	63	1158	63	87	1158	..
1934 (M-652X and Y)	1116	63	1158	63	81	1158	..	1935	2320	55	1158	63-55	87	1158	..
1934 (Others)	1116	63	63m	63	81	1158	..	1936 (Stdnd.)	2331	55	1158	55	87	1158	..
1935 (M653)	1000	63	1158	63	81	1158	..	1936 (Others)	2331	55	63	55	87	87	..
1935 (M851)	2320	63	1158	63-63	81	1158	..	1937-38	2331	55	1158	55s	87	1158	63
1936	2320	63	1158	63	81	1158	..	1939	2331	55	1158	55s-51	87	1158	63
1937	2331	55	1158	63-55	81	1158	63	DODGE							
AUSTIN								DODGE							
1930-33	1158	..	63	63	..	..	..	1930 (Std.), 6 and 8 1931	1000	63	1158	63	81d	1158	..
1934-36, Inc.	1158	..	63	63	..	63	..	1932-33	1000e	63	1158	63	87	1158	..
BUICK								DURANT							
1930-32	1000	63	63	63	81	87	..	1930-32, Incl.	1000	63	1158	63	63	1158	..
1933	1000	63	63	63	81	87	..	ESSEX							
1934-35 (Ex. M40)	2330	63	63	63	81	87	..	1930-31	1000	63f	63	63	63	87	..
1935 (M40)	2320	63	63	63	81	81	..	1932	1000	63	63	63-64	88	87	..
1936	2320	55	63	51-51	81	87	..	FORD							
1937-38-39	2320	55	1154	55-51	81	1154	63	1930-32	1000	63	63	63	63	1129	..
CADILLAC								FRANKLIN							
1930-31	1000	63	63	63	63	87	..	1930-31	1000	63	63	63	63	87	..
1932-33	3001	63	63	63	87b	87	..	1932-33-34	1000	63	63	63	87	87	..
1934-35	2330	63	63	63-50	81	87	..	GRAHAM							
1936	2330	55	63	51-51	87	87	..	1930 (Stds.), 6 and 8	1000	63	1158	63	81	1158	..
1937-38	2330r	55p	1154	51-51	87	1154	63	1930 (Others)	1000	63	63	63	81	87	..
1939	2330	55	1154	55-51	87	1154	63	1932	1116	63	63	63	63	87	..
CHEVROLET								GRAHAM PAIGE							
1930-33	1000	63	63	63	63	87c	..	1930	1000	63	63	63	81	87	..
1934 (Master)	2320	63	63	63	81	63	..	1930 (Stand.) 6 and 8	1000	63	1158	63	81	1158	..
1934 (Stdnd.)	1000	63	63	63	81	63	..	FRANKLIN							
1935	2320	55	63	63	81	63	..	1930-31	1000	63	63	63	63	87	..
1936	2320	55	63	51	81	63	..	1932-33-34	1000	63	63	63	87	87	..
1937-38-39 (Except Coach and Sedan Models)	2320	55	63	55-51	81	63	..	GRAHAM							
1939 (Coach and Sedan)	2330	55	1154	55-51	81	1154	63	1930 (Stds.), 6 and 8	1000	63	1158	63	81	1158	..
CHRYSLER								GRAHAM							
1930-31 (Six)	1000	63	1158	63	87	1158	..	1930 (Others)	1000	63	63	63	81	87	..
1931 (Others)	1000	63	63	63	87	87	..	1932	1116	63	63	63	63	87	..
1932 (M-Cl)	1000	63	1158	63	87	1158	..	1931-33 (Prosperity Six)	1000	63	1158	63	63	1158	..
1932 (Others)	1000	63	63	63	87	87	..	1933 (Others)	1000	63	1158	63	63	1158	..
1933 (Imp'l 8)	1116	63	63	63	87	87	..	1934	2320	63	1158	63	63	1158	..
(Cust.-8)	1116	63	63	63	87	87	..	1935	2320	55	63	63	64	87	..
1934 (Six)	1116	63	1158	63	87	1158	..	1936	2320	55	63	63	87	87	..
1934 (Others)	2320	63	1158	63	87	1158	..	1937	2330	55p	63	55	63	87	63
1935	2320	55	1158	63-55	87	1158	..	1938-39	2330	55	1158	51-55	63	1158	63
1936-37 (Mod. C17)	2331	55	63	55s	87	87	63	GRAHAM PAIGE							
1937 (Others)-38	2331	55	1158	55s	87	1158	63	1930	1000	63	63	63	81	87	..
1939	2331	55	1158	55s	87	1158	63	1930 (Stand.) 6 and 8	1000	63	1158	63	81	1158	..
CONTINENTAL								GRAHAM PAIGE							
1934	1000	63	1158	63	63	1158	..	GRAHAM PAIGE							

a-1129 on 1930 models, b-81 on 1932 models, c-63 on 1933 models, d-87 on 1930-31 models, e-1116 on 1933 models, f-81 on 1931 models, g-81 on 1930-31 models, h-63 on 1931-32 models, i-1158 on model 54, k-81 on some 1935 models, l-87 on 1930 models, m-1129 on combination back and stop, n-2330 on early 1935 Dictator models, p-63 on fender lamps, q-55 on models 115 and 120, r-2530 used in right headlamp where state laws permit 50 cp, s-51 in ignition key lamp, t-81 on M621-N, w-1323 in auxiliary head.

Note: 2330 and 2320 are the new prefocus headlights.

AUTOMOBILE BULB INFORMATION

The Following Information Shows Automobile Bulbs Required for the Various Passenger Cars:

Car and Model Year	Aux. Head		1st No. Inst., Dome		Stop Signal	Lic. Plate	
	Head-light	Fender Side	2nd No.	or Panel			
HUDSON							
1930-31	1000	63f	63	81	87	..	
1932	1000	63	63	63-64	88	87	..
1933	1000	63	1158	63-64	87	1158	..
1934-35 Six	2320	63	1158	63-64	87	1158	..
1935 Eight	2320	55	1158	63-64	87	1158	..
1936	2331	55	1158	51-55	87	1158	..
1937-38-39	2331	55p	1158	55-51	87	1158	63
HUPMOBILE							
1930-31	1000	63	63	63g	87	..	
1932-33-34 (M-421-423-426)	1000	63	63	63	81	87	..
1934 (Others)							
1935	2320	63	63	63k	81	87	..
1936 (618G)	2320	63	63	63-51	81	87	..
1936 (621N)-37	2320	63	63	81	81	87	..
1938-39	2320	63	1158	55-51	81	1158	63
LA FAYETTE							
1934	1116	63	1158	63	63	1158	..
1935	2320	55	1158	63	63	1158	..
1936	2331	55	1158	63	81	1158	..
1937-38-39	2331	55	1158	55-55	81	1158	63
LA SALLE							
1930-31	1000	63	63	63	1129f	..	
1932	1000	63	63	63	81	87	..
1933	1000	63	63	63	87	87	..
1934-35	2330	63	63	50-63	81	87	..
1936	2330	55	63	51-51	87	87	..
1937-38	2330r	55	1154	51-51	87	1154	63
1939	2330	55p	1154	55-51	87	1154	63
LINCOLN							
1930-31-33	1000	63	63	63	81	1129	..
1932	1000	63	63	63	81	87	..
1934	1116	63	63	63	81	87	..
1935	2320	55	63	81	81	87	..
1936-39	2330	55	1158	81-55-51	81	1158	..
LINCOLN ZEPHYR							
1936-37	2330	55	1158	63-51	81	1158	..
1938-39	2330	55	1158	55-51	81	1158	81
MARMON							
1931 (Model 70)	1000	63	1158	63	63	1158	..
1931 (Model 88)	1000	63	63	63	63	87	..
1931 (Sixteen)	1000	63	63	87	63	87	..
1933	1000	63	63	81	81	87	..
MERCURY							
1939	2330	55	1158	55-87	63	1158	63
NASH							
1930-33	1000	63	63	63	81	87	..
1934	1116	63	1158	63	63	1158	..
1935	2320	55	1158	63	63	1158	..
1936	2331	55	1158	63	81	1158	..
1937-38-39	2331	55	1158	55-55	81	1158	63
OAKLAND							
1930-31	1000	63	63	63g	87	..	
OLDSMOBILE							
1930-32	1000	63	63	63	81h	87	..
1933	1116	63	63	63	81	87	..
1934	2320	63	63	63	81	87	..
1935	2320	55	63	51-51	81	87	..
1936 (Six)	2320	55	63	63-51	81	87	..
1936 (Eight)	2330	63	63	63-51	81	87	..
1937-38	2320	55	1154	55-51	81	1154	63
1939	2320	55	1154	55-51	81	1154	63
PACKARD							
1930-32	1000	63	63	63	81	1129	..
1933-34	3003	63	63	63	81	87	..
1935	2330	55	63	63	81	87	..
1936 (120B)	2330	55	63	63	81	87	..
1936 (Others)-37	2330	55	63	63q-51	81	87	..
1938 (Super 8, 12)	2330	55	63	55-55	81	87	63
PACKARD—Continued							
1938 (6, 120)							
1939 (6, 120, Super 8)	2330	55	1158	55-51	81	1158	63
1939 (12)	2330	55	63	55-51	81	87	63
PEERLESS							
1930-32, Inc.	1000	63	63	63	81h	87	..
PIERCE ARROW							
1930	1000	81	81	63	87	1129	..
1931-32-33	1000	81	81	63	81	1129	..
1934-35	1000	81	81	63-51	81	63m	..
1936-37-38	2330w	55	81	55-64	81	1129	..
PLYMOUTH							
1930-31	1000	63	1158	63	64d	1158	..
1932-33	1000	63	1158	63	87	1158	..
1934	1116	63	1158	63	87	1158	..
1935	2320	55	1158	63	87	1158	..
1936	2331	55	1158	55	87	1158	..
1937	2331	55	1158	51-51	87	1158	63
1938	2331	55	1158	55-51	87	1158	63
1939	2331	55	1158	55-51s	87	1158	63
PONTIAC							
1930-31	1000	63	63	63	63g	87	..
1932	1116	63	63	63	81	87	..
1933	1116	63	63	63	81	63	..
1934	2320	63	63	63	81	63	..
1935	2320	63	63	51-51	81	87	..
1936	2320	55	63	51-51	81	87	..
1937-38	2320	55	63	55-51	81	87	..
1939	2320	55	1154	55-51	81	1154	63
REO							
1930 (M-15, 20)	1000	63	63	63	64	87	..
1931 (Model N-35) '32 (M-31, 35, 52) '33 (Model N-33)	1116	63	63	63	63	87	..
1930-33 (Others)	1000	63	63	63	63	87	..
1934-35	1116	63	63	63	63	87	..
1936	2320	63	63	63	63	87	..
ROCKNE							
1932-33	1000	63	1158	63	81	1158	..
STUDEBAKER							
1930-32	1000	63	63i	63	81	87i	..
1933	1000	63	63	63	63	87	..
1934-35	1000n	63	1158	63-55	81	1158	..
1936	2331	55	1158	55-55	81	1158	..
1937	2331	55	1158	55-55	63	1158	..
1938	2331	55	1158	55-55	87	1158	63
1939	2331	55	1158	51-55	87	1158	63
STUTZ							
1930-31	1133	63	63	63	87a	87a	..
1932-34 (M-LAA)	1133	63	63	63	81	87	..
1933 (Others)	1158	81	1158	63	81	1158	..
1934 (Pkg. Car)	87	82	63	63	81	63	..
TERRAPLANE							
1933	1000	63	1158	63-64	87	1158	..
1934	2320	63	1158	63-64	87	1158	..
1935	2320	55	1158	63-64	87	1158	..
1936	2331	55	1158	51-51	87	1158	..
1937-38	2331	55p	1158	63-51	87	1158	63
1939	2331	55p	1158	55-51	87	1158	63
WILLYS							
1930-36, Incl.	1000	63	1158	63	63	1158	..
1937-38	2320	55	1158	63	63	1158	..
1939	2320	55	1158	51-63	63	1158	63
WILLYS-KNIGHT							
1931-32	1000	63	1158	63	63	1158	..

a—1129 on 1930 models. b—81 on 1932 models. c—63 on 1933 models. d—87 on 1930-31 models. e—1116 on 1933 models. f—81 on 1931 models. g—81 on 1930-31 models. h—63 on 1931-32 models. i—1158 on model 54. k—81 on some 1935 models. l—87 on 1930 models. m—1129 on combination back and stop. n—2330 on early 1935 Dictator models. p—63 on fender lamps. q—55 on models 115 and 120. r—2530 used in right headlamp where state laws permit 50 cp. s—51 in ignition key lamp. t—81 on M621-N. w—1323 in auxiliary head.

Note: 2330 and 2320 are the new prefocus headlights.

SPARK PLUG INFORMATION

The following shows the number of Edison Spark Plugs required on various passenger and commercial cars.

PASSENGER CARS		PASSENGER CARS		PASSENGER CARS		*COMMERCIAL CARS			
Name	Plug No.	Name	Plug No.	Name	Plug No.	Name	Plug No.		
AUBURN									
1932 to '34 "12"	S/13	GRAHAM							
1934, '35 "6" and "8"	S/25								
1936 Model 654, 852	S/25	8-Cyl. Mod. 36-37	S/13	PACKARD					
AUSTIN		1935, '34 Superchargers	S/15	1928 HC Turbo Hds.	S/2	BROCKWAY (Trucks)			
1939	S/23	1936 Superchargers	S/25	1930 HC Turbo Hds.	S/13	1931, '32 other than Model 90	S/13, S/15		
To 1938, Incl.	S/13	1936 Std. Models	S/15	1927 to '31 Reg. Hds.	S/2	1935, '36 Models	S/15		
BUICK		1937 Model 85	S/15	1932 Models	S/23	CHEVROLET			
1925 to '28, Incl.	S/3	1937 Models, 95, 110, 120	S/25	1933 to '36, Inc.	S/25	To 1928, Incl.	S/2		
1929, '30	S/12	1938 Models	S/26	1937 '38, '39 Models	S/25	1929 to '31, Incl.	S/12, S/13		
1938, '39 Models	S/23	1939 Models	S/25	(10 MM)	S/25	1932	S/13, S/15		
CADILLAC		HUDSON		PEERLESS		1933 to '36, Incl.	S/13, S/15		
1929, '30	S/13	To 1928, Incl.	S/12	1929, '30 Mod. 81	S/13	1933-37 Models	S/25, S/26		
1931 to '35, Incl.	S/15	1929 to '31, Incl.	S/13	1930 to '33	S/12	CHICAGO			
1936, '37 V8	S/25	1932, '33 8-Cyl.	S/15	PIERCE-ARROW					
1938 Models	S/25	1933 Super 6	S/23	1932, '33 12-Cyl. 1934, '35, '36, '37 Models	S/23	17A, 18A, 20A...S/13, S/15			
CHEVROLET		1934, '35 Models	S/25	1938 Models	S/25	COLEMAN			
To 1928, Incl.	S/2	1936, '37 Models	S/26	PLYMOUTH					
1929 to '31, Incl.	S/12	1938, '39 Models	S/26	1930, '31	S/13	E52 to 55, Incl. S/13, S/15			
1932	S/13	HUPMOBILE		1933 to '36, Incl.	S/23	COLEMAN			
1933, '34 Models	S/23	1927, '28, 6 and Ser. A	S/2	1937, '38 Models	S/26	E52 to 55, Incl. S/13, S/15			
1935, '36	S/25	1928, 8-Cyl.	S/13	1939 De Luxe	S/25	CORBITT			
1937 to '39, Incl.	S/25	1929 to '36, Incl.	S/13	1939 Roadking	S/26	1929 to '34 using Cont.			
1938 Models	S/25	1938, '39 Models	S/15	PONTIAC					
CHRYSLER		LAFAYETTE		To 1929, Incl.	S/2	16R, 18R, 20R, 21R, 22R, 600	S/15		
1929 "66", "70", 1930 "66"; 1931 "8"	S/13	1936	S/13	1930, '31	S/12	Lyc. WFC, GGC	S/23		
1930, '31, Ser. 70, 77, 66, and Imp. 8	S/12	1937	S/15	1932, '33	S/23	Lyc. GFC, AEF	S/15		
1931 DeLuxe 8	S/23	1938, '39 Models	S/15	1934 to '38 Models	S/25	Wauk, 6MZ-6BK			
1932 to '36, Incl.	S/23	LA SALLE		6MK, 6BL S/15					
1937 Models	S/26	1929 to '33, Incl.	S/13	12B (1937) Lyc.					
1938, '39 Models	S/25	1934	S/15	WFC S/25, S/26					
1938 Royal	S/26	1935, '36 Models	S/25	DAY ELDER					
CONTINENTAL		1937, '38, '39 Models	S/26	1928 to '34, Incl.	S/13	1930 to '32 Model			
1936, '37 Models	S/25	LINCOLN		1935, '36 H. C. Heads	S/18	60	S/13, S/15		
CORD		1928 to '32, Incl.	S/2	1935, '36 Std. Heads	S/15	Other models 1930 to '32	S/15		
1932 to 1935, Incl.	S/13	1934 to '36, Incl.	S/15	ROOSEVELT					
1936, '37 Models	S/25	1936 Zephyr	S/23	Double Dome Heads	S/13	DIAMOND T			
DE SOTO		1937, '38 V-12	S/15	1930 Model T200, 215 S/13, S/15					
To 1931, Incl.	S/13	1937, '38 V-12	S/15	DODGE					
1932 to '35, Incl.	S/23	1939 V-12	S/15	Models 124, 130	S/2	H30, H43, H44			
1936 Airstream	S/25	MARMON		Models	S/13, S/15	Models DA, DD, DP, TC, TAE, Ply. U. & CG Models S/13, S/15			
1937, '38 Models	S/26	1927 to '29, Incl.	S/2	Model CC/3	S/15	Model DPT, T Ser. S/13			
1939 Models	S/25	16-Cyl.	S/13	1935-36 Models	S/23	KC, KCL, KH Series, LC Own 201 S/25			
DEVAUX		1930 to '32, Mod. 88	S/15	K32, K33, K34	S/25	K35, K36, K37, K38, K45, K46, K47, K48, Own 241 S/25, S/26			
DODGE		MERCURY		1936 to '38 Models	S/26	K50, K51, K52, K70, K71, K72, Own 309 S/25			
4 Cyl. Models	S/2	NASH		LE Series, Own 201 S/25					
1929 to '31, Incl.	S/13	Adv. and Spec. 6 to '28	S/3	LF Series, Own 217 S/25					
1932 to '36, Incl.	S/23	1932, '33, Models 10-70	S/13	LG, LH Series, Own 241 S/25, S/26					
1937, '38 Models	S/26	11-30, 11-70	S/13	K50V, K51V, K52V, K60V, K61V, K62V, Own 309 S/25					
1939 Models	S/25	1932 Model 9-60, '31 and '32 8-70, Late 9-70; 1929, '30, '31 and other 6-Cyl. Models	S/12	MC (1937), Own 218 S/25, S/26					
DURANT		1936 AMB, 6 and 8	S/23	MD Series (1937), Own 218 S/25, S/26					
After 1929 and Model 670	S/13	1936 "400"	S/13	ME Series (1937), Own 218 S/25, S/26					
ESSEX		1937, '38, '39 Models	S/25	MF Series (1937), Own 228 S/25, S/26					
1929 to '31, Incl.	S/13	OAKLAND		MG, MH Series (1937), Own 241 S/25, S/26					
1932 "6"	S/15	1930, '31	S/13	ML, MK Series (1937), Own 333 S/25, S/26					
FORD		All others	S/2	DUPLEX					
Model T	S/29	OLDSMOBILE		1932 to '34, Incl. S/13, S/15					
Model A	S/2	1928 to '31, Incl.	S/13						
1933 to '37 V-8	S/15	1932 to '36, Incl.	S/15						
1937, '38 V-8-85 (18 MM Head)	S/15	1937, F-37, L-37	S/25						
1938 V-8-85 (14 MM Head)	S/26	1938, '39, 6 and 8-Cyl. Models	S/25						
1939 V-8-60, V-8-85	S/25	OVERLAND							
1937, '38 V-8-60	S/26	4-Cyl.	S/29						
1937, '38 V-8-85	S/15	6-Cyl.	S/6						
FRANKLIN		1939 Models	S/26						
1928 to '34, Incl.	S/15								

*Where two numbers (as S/13, S/15) are listed the 2d number of plug is for severe service.

SPARK PLUG INFORMATION

The following shows the number of Edison Spark Plugs required on various commercial cars and tractors.

*COMMERCIAL CARS		*COMMERCIAL CARS		*COMMERCIAL CARS		*COMMERCIAL CARS	
Name	Plug No.	Name	Plug No.	Name	Plug No.	Name	Plug No.
FAGEOL (Buses)		HAWKEYE		SCHACHT		WHITE (Trucks)—Cont'd.	
Using Wauk,		Model 40	S/13, S/15	Wauk SRL	S/13, S/15	712/SL, 706, 710, 810,	
6BK	S/13, S/15	HENDRICKSON		SEAGRAVE		(1936-'37), Own 13A	S/26
All others using		Model 38D	S/15	Models 11, 66E-3, 66E-6,		712NS, 718NS, 706M,	
18MM Heads	S/15	1933 to '35	S/13, S/15	66E-7, 66E-8, 66E-9,		812, 818 (1937),	
FAGEOL (Trucks)		INDIANA		SELDEN		Own 16A	S/26
18MM Heads	S/15	1930 Models 120, 140,		Models 39/C, 47/OB,		WICHITA	
FARGO		170, 195, 220, 250,		47/CD, 67, 67/C,		Models 6-75	
1929 to '33, Incl.	S/13, S/15	400	S/13, S/15	37/CR	S/15	.....S/13, S/15	
Models TDP, T2, T4,		1930 Models 290, 640	S/2	STANDARD		TRACTORS	
T5, T6, T7, T8	S/25	INTERNATIONAL		Using Cont. 17E, 11R,		ALLIS CHALMERS	
FEDERAL		Models H, F, L, K, 21,		16R, 18R, 21R	S/15	1937 Model W	
1929 Models 3/C/6;		31, 33, 41, 43, 61, 63,		STERLING		1936 Model WC	
1930 T10, T10W, U6,		94, 103, 54, 54/C, 74,		Models FB50, 60, 70, 80,		Model U	
4/C/6	S/13, S/15	74/C, 104/C	S/3	90, FC/90, 100, 120,		.....S/2	
1932 Models other		1933, '34 Model		F3, H5, FT3	S/13, S/15	BAKER	
than X8	S/13, S/15	D1	S/13, S/15	FD115, 140, 200	S/15	.....S/3	
1935 Models 30, 40, 50	S/15	1934, '35 C/1,		Models FB30, 35,		BEEMAN (GARDEN)	
FORD		C/30	S/13, S/15	40	S/13, S/15	Jr. Model D	
Model T	S/29	KLEBER		STEWART		.....S/12	
1932 V-8, AA & BB	S/2	Buda, Eng.	S/12, S/13	1932, '33, '34 Models		BATES (STEEL MULE)	
1933 to '36, Incl.	V-8, S/15	Cont. Eng.	S/15	29XS, 32X, 43X,		.....S/3	
1937, V-8, 85	S/15	LA FRANCE REPUBLIC		45X, 50X; 1934 18X,		BOLENS	
1937 V-8, 60HP	S/26	M-2, H3, H5, F3, E1,		1935 46H	S/15	1937 Model 68	
GMC (Trucks)		D2	S/13, S/15	STUDEBAKER		1928 to 1933	
1927 & '28 Buick	S/3	Model 35-4	S/15	1933, '34 Models other		.....S/13	
1929, '30, '31 Buick	S/15	LE MOON		than W841, 665,		CENTAUR	
1932 Pont & Own 200	S/23	Models later than		883	S/15	1933 to '38	
1933 T18, T23 (Pont)	S/23	1928	S/13, S/15	1935 Models other		.....S/15	
1934 & '35		MACCAR		than W8	S/13, S/15	CLEVELAND	
Models	S/13, S/15	1933 Models other than		1936	S/15	Model D	
1936 Models (except		60A & 66	S/13, S/15	SUPER TRUCK		.....S/2	
T23H, T33, T33H,		MACK (Trucks)		1930, '31, '32 Models,		EAGLE	
T18	S/13, S/15	AB6, BF, BG, BL	S/15	50D	S/13, S/15	1936 6A	
(1937) T14, T16, T16H,		Jr. Mods. 1M, 10M, 20M,		1933, '34 Models	S/13, S/15	.....S/15	
F16, F16H Olds 6	S/25	30M, 90M	S/13, S/15	TWIN COACH		FORDSON	
(1937) T18, F18, T18H,		HC, 14M/M Heads	S/23	Models 235, 23R, 30,		Model T	
F18H	S/25, S/26	MACK (Buses)		30AS (With Alumi-		Model A	
(1937) T23, F23,		Model BG	S/15	num Heads)	S/25, S/26	.....S/2	
T23H, F23H,		MENOMINEE		WARD LA FRANCE		GLENER	
Own 257	S/25, S/26	1933, '34 Models	S/13, S/15	Models using Wauk SRL		.....S/2	
(1937) T33, F33,		MORELAND (Trucks)		Cont. 12K	S/13, S/15	GRAHAM-BRADLEY	
T33H, F33H,		1931 Models EX7,		Fire Truck Models		.....S/13	
Own 286	S/25, S/26	EX19, H7, 24	S/15	30F, 49F	S/13, S/15	HART-PARR	
(1937) T46, F46,		Bus Models 1934	S/15	Models using Lyc. En-		thru '28	
Own 331	S/25, S/26	NOBLE		gine AEC	S/15	.....S/29	
(1937) T46, F46,		Models 156B, 156W,		1934 Wauk, MK	S/15	I. H. C.	
Own 400	S/25, S/26	166	S/13, S/15	66F, 75F, 66F2, 50F2	S/26	1933 F-20, 1933, '34, '35	
(1937) T61, F61,		REHBERGER		WILLYS 77A		Farmall F20, F30	
T61H, F61H,		Models B33, 40,		.....S/13, S/15		.....S/3	
Own 400-450	S/25, S/26	43	S/13, S/15	WHITE (Trucks)		1931 Model 10-20, '29	
(1936) T18H, T18,		REO (Trucks)		9A, 11A	S/15	Farmall	
Own 239	S/25, S/26	Models DA, DC,		GK, GKA	S/12, S/13	Model 10-20, '29	
(1936) T23H,		DF	S/13, S/15	713 Bus, 712, 718,		.....S/3	
Own 257	S/25, S/26	1932 to '36, Incl.	S/13, S/15	Own 9A	S/26	.....S/3	
(1936) T33, T33H,		(1937) Models 450,		684 Bus, Own 10A	S/26	Mod. 31, 41, 51	
Own 286	S/25, S/26	475	S/25, S/26	730-731, Own 10AB	S/26	.....S/13	
1932-'33 using Pontiac		Other 1937		703, 704, 704K, 706 Bus,		Ind. Mod. 20	
and Own Eng. 200	S/25	Models	S/25, S/26	709, 705, 805, 809		.....S/3	
GMC (Buses)		SANFORD		(From 1936), Own		Models N and R	
Model W (after '29) &		1930 Models	S/12, S/13	11A	S/26	.....S/29	
365, 366, 525, 661,		1931, '32, '33, '34 Models		684 Bus, 688, Own		LAWSON	
663, 709, 712, 714,		518R, 621R, 766,		12A	S/26	Models 20-35, 2-40	
715	S/13, S/15	767	S/13, S/15	730-731, Own 12AB	S/26	.....S/3	
Model 788	S/15	1933, '34 Models 303,		706M Bus, 704K2,		Models RAU, RAY,	
1937 Models 716, 722,		505	S/15	Own 12A	S/26	LA	
728, 731, 738,		GRAMM		WATERLOO BOY		.....S/29	
739	S/25, S/26	Models AX6, BX6, D,		.....S/29			
GMC (Buses)		EX, 175, 177Hy	S/15				
Model W (after '29) &		C, EY, G, GY, W	S/13				
365, 366, 525, 661,		C/515, 516	S/12				
663, 709, 712, 714,							
715	S/13, S/15						
Model 788	S/15						
1937 Models 716, 722,							
728, 731, 738,							
739	S/25, S/26						

*Where two numbers (as S/13, S/15) are listed the 2d number of plug is for severe service.



SPARK PLUGS

EDISON—GREEN LINE

For Easy Starting, Fast Running and Gasoline Saving!

These quality spark plugs are worthy of their great name—are manufactured to the highest standard in the industry! Inspection and testing are done on every individual part before assembly. Exceedingly high uniformity is assured by the use of precision-made parts.

Each finished spark plug is triple-tested—and comes to you gas-tight, electrically efficient, with spark gap properly set, and with threads clean and correctly cut.

The famous, exclusive Edison albanite core—a stronger, better insulator—quicker heat dissipation—resistant to extreme temperature changes.

EACH - - - - \$0.49

Nos.	Description	Champion	Comparison A. C.	Splitdorf
OB S2	7/8 in. long, 1 1/8-in. Hexagon	3X, 3	575, B, Z, Z1	8 or 19
OB S3	7/8 in. long, 7/8-in. Hexagon	6	C	7
OB S12	18 M/M Metric, 1-in. Hexagon	11	D12, G12, G13	17 or A9
OB S13	18 M/M Metric, 1-in. Hexagon	8, 10, C7	D9, D10, G9, G10, PR10	9
OB S15	18 M/M Metric, 1-in. Hexagon	7	G8, D8, O8	-----
OB S23	14 M/M Metric, 1 1/8-in. Hexagon	J5, J6, J5C	K9, S9, SL9	-----
OB S25	14 M/M Metric, 1 1/8-in. Hexagon	J7, H10, J7S	K7, S7, SL7	-----
OB S26	14 M/M Metric, 1 1/8-in. Hexagon	J8, J9	K5	-----
OB S29	1/2-in. Standard, 1 1/8-in. Hexagon	X, 31	1075, Q	1 or 3

One in a carton. Weight each 3 ounces.

STORAGE BATTERY TESTERS

HYDROMETERS

The sulphuric acid solution in storage batteries varies in density between full charge and complete discharge, and its variation is almost regular (fluid is lightest when battery is completely discharged). The measure of its density forms a reliable and best method of ascertaining the state of charge.

The gauge in the hydrometer indicates the specific gravity of the battery fluid when withdrawn from battery by pressure on bulb after pointed tube is inserted in opening of cell.

A fully charged battery usually has a specific gravity of 1.275; a fully discharged battery 1.150. Generally the following table can be safely followed:

- 80% of charge remains when gauge indicates 1250
- 60% of charge remains when gauge indicates 1225
- 40% of charge remains when gauge indicates 1200
- 20% of charge remains when gauge indicates 1175
- Is practically exhausted when gauge indicates 1150

The above figures are only approximate.



High grade glass tube 7 inches long, 3/8-inch in diameter. Red rubber bulb, red rubber stopper and nozzle in one piece, with flange to prevent breaking. Hydrometer is shot-weighted and graduated from 1100 to 1300 specific gravity. Length over all 13 inches.

OB 54—Weight each 8 ounces.....Each \$0.59

One in a cardboard box, with directions for using.

The Recollection of Quality
Remains Long After the
Price Is Forgotten.

E. C. Simmons

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

BATTERY CLIPS

UNIVERSAL

Strong channel construction throughout



A small test and battery clip for radio use and general testing purposes. Also handy for ignition test sets, soldering irons, electro-plating racks. Improved interlocking necks

prevent jaw offset. Jaws have meshing teeth. 10-lb. spring. Screw connection.

10-ampere capacity. Steel, cadmium plated. Length 2 inches. Jaw spread 7/16-inch.

OB 48B—Weight per 100, 2 lbs.....Each \$0.05



A medium size clip for "A" radio storage battery. Teeth on one jaw and notch on the other so that it will stand erect on round battery post.

Interlocking necks prevent jaw offset. Patented lead-coated copper shunt gives spring complete protection.

25-ampere capacity. Steel, lead coated. Length 2 3/4 inches, jaw spread 1 inch.

OB 24A—Weight per 100, 5 lbs.....Each \$0.10



A high grade, rugged, heavy duty clip. For battery service stations and for constant potential or series charging. Recommended on portable and A. C. radio sets for ground connection.

Teeth on one jaw, notch on the other. 33-lb. spring protected by lead-coated copper shunt. Screw connection.

50-ampere capacity. Steel, lead coated. Length 4 inches, jaw spread 1 1/4 inches.

OB 21A—Weight per 100, 15 lbs.....Each \$0.15

Ten in a carton.

(Five marked + for positive and five plain (no mark) for negative)

Ten cartons in a standard package.

SIMMONS LIGHTNIN' STORAGE BATTERIES

FOR QUICKER STARTING—PLENTY OF SURPLUS POWER—BUILT-IN LONG LIFE

When You Want the Best in Any Price Range, Choose SIMMONS Lightnin'!



6 VOLTS

Group No. 1—Size 9 $\frac{1}{4}$ inches long, 7 $\frac{1}{4}$ inches wide, 9 inches high.

Nos.	Each	Guar. Period, Months	No. Plates	Capac. 20 Min.	Wt. Each, Lbs.
OB 13L*	\$ 4.85	9	39	98	40
OB 13M*	5.98	12	39	100	41
OB 15F*	6.50	12	45	112	42
OB 15S1	7.95	18	45	120	42
OB 15HP	9.75	24	45	140	47
OB 17SK	10.00	24	51	160	48

Group No. 1F—Size 10 $\frac{1}{4}$ inches long, 7 $\frac{1}{2}$ inches wide, 8 $\frac{1}{4}$ inches high.

OB 17TW*	\$ 6.75	12	51	105	43
OB 17W	7.95	21	51	135	44
OB 19WP	9.75	24	57	140	48

Group No. 1L—Size 19 $\frac{1}{4}$ inches long, 4 inches wide, 9 inches high.

OB 15NF*	\$ 7.95	12	45	112	51
OB 17NS	11.95	18	51	136	52
OB 17NH	15.50	24	51	160	52

Group No. 2—Size 10 $\frac{3}{4}$ inches long, 7 $\frac{1}{4}$ inches wide, 9 inches high.

OB 17F*	\$ 8.25	12	51	125	47
OB 17S1	10.00	18	51	136	48
OB 17HP	12.50	24	51	160	54

One in a carton.

Can be recharged from any direct current generator, or from any alternating current generator when transformed through a rectifier, in from 8 to 24 hours. Recharging instructions furnished with each battery.

Note: When ordering give the following information, in addition to number of battery:

The name, year and model of car together with the type of battery specified in replacement list. If possible give the voltage and dimensions of battery box, i. e., length, width and height, voltage (the number of vents times two). In addition specify the type terminals wanted (rubber-covered wire, cone terminals, tapered post or straight post).

ADJUSTMENT PERIOD ON SIMMONS LIGHTNIN' BATTERIES

SIMMONS Lightnin' batteries are guaranteed by the manufacturer against faulty material and workmanship.

Within a period of 90 days from date of sale to the original user, any SIMMONS Lightnin' battery which fails to give satisfactory service and is found, upon examination by the manufacturer to be defective in materials, or workmanship, will be repaired or replaced (at the option of the manufacturer) without charge.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

13L—High quality at low cost. These batteries are excellent and will easily outlast their guarantee under ordinary use. Composition case. High-grade plates $\frac{1}{16}$ -inch thick. Highest grade wood separators. Guarantee 9 months' adjustment basis.

13M, 15F, 15NF, 17TW and 17F—Rugged, dependable batteries capable of performance expected of batteries at much higher prices. Built to exceed their guarantee. Composition case. Finest quality plates $\frac{1}{8}$ -inch thick. Genuine Port Orford cedar separators. Guarantee 12 months' adjustment basis.

12/7, 15S1, 17NS, 17S1, 19S1, 19W, 21S1 and 23S—Quick starting, heavy duty, hi-capacity batteries that will stand long, hard use. Hard rubber moulded case. Full size finest quality plates ($\frac{1}{8}$ -inch positive and $\frac{1}{16}$ -inch negative). Finest grade genuine Port Orford cedar separators. Guarantee 18 months' adjustment basis.

15HP, 17NH, 17HP, 17SK, 19HP, 19WH and 21HP—For motorists who want the best. Whether for car, truck, bus or radio these batteries will give the maximum results in service and performance for a long period of time you can't expect of ordinary batteries. Hard rubber moulded case. Full size finest quality plates, $\frac{1}{8}$ -inch thick. Finest grade genuine Port Orford cedar and perforated rubber separators. Guarantee 24 months' adjustment basis.

6 VOLTS

Group No. 2F—Size 11 $\frac{1}{4}$ inches long, 7 $\frac{1}{4}$ inches wide, 8 $\frac{3}{4}$ inches high.

Nos.	Each	Guar. Period, Months	No. Plates	Capac. 20 Min.	Wt. Each, Lbs.
OB 19W*	\$10.75	18	57	155	49

Group No. 3—Size 11 $\frac{1}{4}$ inches long, 7 $\frac{1}{4}$ inches wide, 9 inches high.

OB 19S1	\$12.25	18	57	145	53
OB 19HP	14.75	24	57	185	60

Group No. 4—Size 13 $\frac{1}{8}$ inches long, 7 inches wide, 9 inches high.

OB 21S1	\$14.50	18	63	159	63
OB 21HP	18.75	24	63	200	70

Group No. 5—Size 14 $\frac{1}{4}$ inches long, 7 inches wide, 8 inches high.

OB 23S	\$19.50	18	69	190	78
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12 VOLTS

Group No. 6—Size 11 $\frac{1}{2}$ inches long, 7 inches wide, 8 inches high.

OB 12/7	\$11.50	18	42	52	61
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*Black composition case. All others genuine hard rubber moulded case.

Commercial car service guarantee periods are one-half of periods shown above.

One in a carton.

After expiration of this 90 days' guarantee period, any battery which fails in normal service and is found, upon examination by the manufacturer, to be defective in materials or workmanship, will be replaced with a new battery on the established pro rata basis—adjustment to be based on current price, plus transportation charges. For example:

If a battery carrying a 12 months' adjustment warranty, listing at \$12.00, fails in service in 9 months from date of purchase, the user will then receive a new battery of the same type for $\frac{9}{12}$ ths (nine-twelfths) of \$12.00 or \$9.00.

Normal passenger car service—not to exceed 1,000 miles per month.

Commercial car service (passenger car batteries)—not to exceed 2,000 miles per month.

Transportation charges both ways must be paid by the owner of the battery when battery is submitted for inspection or adjustment.

STORAGE BATTERY INFORMATION

Storage Battery Required for Various Passenger Automobiles, Including 1938 Models

Year	Model	Battery Group No.
AUBURN		
1930 to 1931	6-85, 8-95	1
1930-37	8-98-100-125, 8-101, 8-105, 8-50, 851, 852	2
1932-36	12-160, 161, 165, 1260 and Super Charged	3
1934-37	6-52, 653, 654	1
1936	E300	4
BUICK		
1925 to '30	Master 6-Cyl.	2
1931-37	8-50, 8-60-57, 32-50, 33-50, 34-50, 40	1
1931-37	880, 8-90, 32-60, 33-60, 34-60, 60-80, 90	2
1932-35	32-80, 90, 33-80, 90, 34-90.3	3
1938	All	1L
CADILLAC		
1931	V-8	2
1932-38	V-88, 355B, 8	3
1932-37	V-12, 370B, 12	4
1935-37	V-16	Spec.
1938	V-8, 60, 60S, 65	2
CHEVROLET		
1923 to '28	All	1
1930-36	Stand. Master	1
1937-38	All	1F
CHRYSLER		
1925 to '30	58-60-62, 65-66-70	2
1928 to '30	80	4
1928-30	72-75-77	3
1931	6	1
1932-33	6 CI, CO, 8 CT	2
1931-33	8 CP, 8 CQ	3
1931-32	Imp. 8	4
1934-38	6-Cyl. Airstream, C6, 8-Cyl. Airstream, C2, C7, C8, 6-C16, 8-C14, Royal 6	2
1934-37	8CU, 8CV, Airflow, C1, Imp. Airflow, C2, C3, C9, C10, C11, 8-C15, 17	3
1934-35	Imp. CW	4
1938	8 Imp.	2
1938	8 Cust. Imp.	3
CORD		
1929 to '32	Ex. 1930	2
1930	All	3
1933-34	All	4
1936-37	All	2F
DE SOTO		
1928-33	All	1
1931	8	2
1934	6 SE Airflow	3
1935-37	6-Cyl. Airstream, SF, 6 Cyl. Airflow SG, S/1-S/2	2
1938	All	2
DODGE		
1915 to '26	All	6
1926 to '29	Std. Victory 6	2
1928-29	Senior 6	3
1930-33	Six DD-DH-DL-DP	1
1930-31	8-DC	2
1930-33	8-DG, DK, DO, DB, SR 6.3	3
1934-35	DR6, DS/6, DU6	1
1934	DR6 Radio	2
1936-37-38	All	1

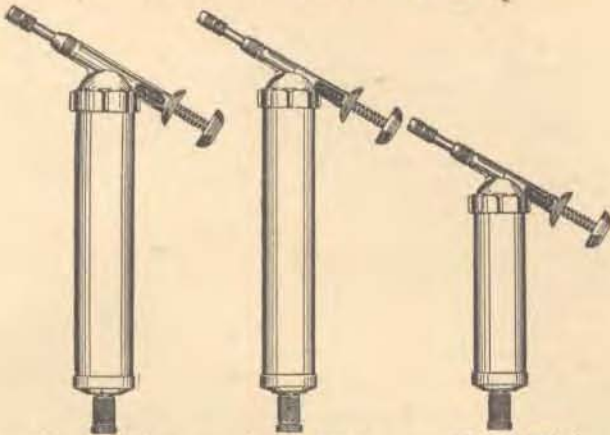
Year	Model	Battery Group No.
FORD		
1919 to '27	T All	1
1928-32	All	1
1933	4-Cyl.	1
1933-38	8-Cyl.	1F
GRAHAM-PAIGE, GRAHAM		
1928-32	610-612-56	1
1928-30	614-615	2
1928-32	619-29-835-21-27-837	3
1931-33	49-53-54-57 Std. and Cust. 8-Cyl.	2
1933-35	Std. 6, 668-668 Radio, Spl. 6, 73, 74	1
1934-37	867 Radio, 8, Super Charged 72, 75, 116, 120.2	2
1936-37	85, 95	1
1938	All	2
HUDSON		
1930-31	8-Cyl.	1
1932-33	All	2
1934-35	All	2F
1936-38	6-Cyl.	1F
1936-38	8-Cyl.	2F
1938	112	1F
HUPMOBILE		
1931-32	6-L-8-C8-216-222	2
1931-32	H and U-226-237	3
1933	All	2
1934	6W, 417	1F
1934-35	6J, 421, 8-427, 6-Cyl. 51SD, 521J, 8-Cyl. 527T	2
1936	All	2
1937	6, 8	2
1938	8	2
LAFAYETTE (NASH)		
1935-38	All	1
LA SALLE		
1927-31	All	2
1932-34	All	3
1935-38	All	2
LINCOLN		
1931 to '38	All	5
LINCOLN ZEPHYR		
1936-38	All	1F
NASH		
1931-35	660, 1060, 1120, 1130, 1170, 1220, Adv. 6-3520	1
1931-35	8-70, 8-80, 1070, 1080, 1180, 1280, Adv. 8-3580	2
1931-34	8-90, 1090, 1190, 1290	3
1937	Adv. 6, 400, 3720	1
1937	Amb. 8, 3780	2
1938	Amb. 6	1
1938	Amb. 8	2
OLDSMOBILE		
1932-33	Six and Eight	1
1935-37	6-Cyl.	1
1935-37	8-Cyl.	2

Year	Model	Battery Group No.
PACKARD		
1922-28	6-Cyl. and 8-Cyl. Series 136-143	2
1929-30	Light 8-Cyl. Series 623-633-726-733	3
1926-30	Big 8-Cyl.	4
1931-38	Light 8, Super 8, 12-Cyl.	4
1935-38	120	2
1937-38	115C	1
PIERCE-ARROW		
1924 to '30	80-81, 8-Cyl.	2
1931-38	8-Cyl. 133, 143, 144, A, B, C, C234, A147, 836A, 840A, 845, 1601, 1701	3
1932-38	12-Cyl. 1240A, 1248A, 1245, 1255, 1602, 1603, 1702, 1703	4
PLYMOUTH		
1929-38	All	1
PONTIAC		
1926 to '32	6	1
1932	8	2
1935-37	6-Cyl.	1
1936	DL6, DL8	2
1937	8	2
1938	6-Cyl. and 8-Cyl.	1L
REO		
1931-32	Six 25-22	2
1931-34	8-30-35-N52-62, N1, N2, N59	3
1933	N33 Royale	3
1933-36	S/33 6-Cyl., 52, SF2, S3, S4, 6A, Flying Cloud, 75 Royale	1
STUDEBAKER		
1922-30	Light 6, Dictator	1
1929-30	Com. 6-8	1
1929-30	Pres. 8	2
1931	6	1
1931	Dict., Com., Pres.	3
1932	Com. 8, Pres. 8	3
1933-34	6-56, Com. 73, Com. A	1
1933-35	Pres. 8-92, 8-82, Pres. 1C, 8-Cyl.	3
1932-35	Dict. 6, 8, A, Dict. 1A, 2A, Com. 1B, 8-Cyl.	1
1936	Dict. 6, Pres. 8	1
1937-38	All	2
TERRAPLANE		
1934-38	All	1F
WILLYS		
1930	Six 98A and 98B	1
1931-32	Six 97 and 98D, 90, 77, 99.1	1
1930-32	Eight 8-88D	3
1933-38	All	1
WILLYS-KNIGHT		
1926-29	70-56	3
1929-32	66B-6-66D	4
1929-32	70B-87	2
1930	Willys Six-95	1

NOTE—When ordering give the following information in addition to number of battery:

The name, year and model of car together with the type of battery specified in replacement list. If possible, give the voltage and the dimensions of battery box, i. e., length, width, and height (voltage, the number of vents times two). In addition specify the type terminals wanted (rubber-covered wire, cone terminals, tapered post, or straight post).

LUBRICATING GUNS



No. OB 1029

No. OB 1006

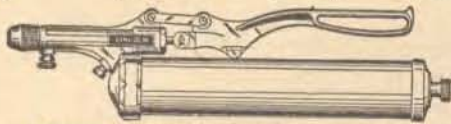
No. OB 1004

KLEENSEAL FILLER TYPE

When Kleenseal guns are to be used in severe service requiring frequent refilling, the filler tube type is recommended. These differ from the standard models, in that the follower rod is hollow to permit filling through the rod from the filler bucket. It is unnecessary to remove the head from the barrel, which makes filling not only fast but exceedingly clean.

Equipped with nozzles for Kleenseal, hydraulic and Zerk fittings. Finished in cadmium plate.

Nos.	Each	Cap., Diam.,		Max. Pres.,	Wt. Each,
		Ozs.	In.			Lbs.	Lbs.
OB 1029	\$8.75	18	$\frac{3}{8}$	2,000	5
OB 1006	7.75	14	$\frac{1}{8}$	5,000	4
OB 1004	6.75	9	$\frac{1}{8}$	5,000	3½



LINCOLN KLEENSEAL—Lever Type

Very strong and ruggedly built. For use on large bearings of tractors, implements and machinery where large volume with medium pressure is required.

Has an improved compound leverage principle which continues to increase the ratio of the leverage as the stroke is completed, and builds up higher pressure with less effort.

The pump plunger moves in the direction of the grease flow, which is the most natural and easy way to operate a lever gun. A spring-pressed follower pushes the grease right up to the pump head, eliminating air pockets and loss of prime.

Barrel has coarse, non-crossable threads for quick assembly. Easily filled by unscrewing barrel from head and sucking the grease into barrel. All lubricants from light to heavy fibrous can be handled. 2,000 lbs. pressure. 18-ounce capacity.

OB 1059—Weight each 7 lbs.....Each \$10.00

One in a carton.

ATTACHMENTS FOR LUBRICATING GUNS

LINCOLN

For Lever Type Guns

Lubricating Gun Metal Whip Assemblies



OB 3002—For pin type fittings. Weight each $\frac{3}{4}$ lb.Each \$4.75



OB 3003—For standard button head fittings. Weight each $1\frac{1}{2}$ lbs.Each \$5.75

One in a carton.

Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

LUBRICANT TRANSFER PUMPS



LINCOLN

Wherever lubricants are used in large quantities they are ordinarily purchased in 400-lb. drums. Frequently it is necessary to transfer smaller quantities from the drum into filler pumps, grease guns, tanks or bucket pumps. To do this by hand, with a paddle or other implement, is not only awkward, wasteful and laborious, but the grease becomes contaminated. The Lincoln Transfer Pump is the answer to this problem. It is equipped with a 2-inch pipe thread bushing which is easily inserted in the 2-inch bung opening of any standard 400-lb. drum.

Pump tube reaches to the bottom of the drum. Grease container remains closed to dirt of any kind. A long, easily operated pump handle is arranged so that it may be used either on the same or opposite side from the outlet.

OB 1315—Weight each 28 lbs.....Each \$29.95

One in a carton.

GREASE GUN FILLERS

KLEENSEAL



Provides fast, clean, easy method of filling Kleenseal grease guns equipped with filler tubes and keeps grease free of harmful grit and impurities.

To fill the grease gun, place the filler nipple of the gun on the filling nipple of the pump. A few strokes quickly fill the grease gun. A hanger is attached to the grease container of the pump to provide support for the grease gun when not in service.

The especially designed pump handle, when raised to a vertical position provides great convenience in carrying gun filler from one point of service to another.

White enameled—capacity 25 lbs.

OB 1206—Weight each 24 lbs.....Each \$17.50

One in a carton.

HAND GUN HOSE



KLEENSEAL

For service in contacting standard button head fittings. Braided construction permits great flexibility in service and rubber core is resistant to oil and grease.

Complete with standard button head coupler and swivel connection with $\frac{1}{8}$ -inch male pin-type at opposite end. Length 15¼ inches.

OB 3034—For button head whip hose. Weight each $1\frac{1}{4}$ lbs.....Each \$4.50



For use with hand-operated grease guns. An especially treated rubber core makes this hose impervious to oil and grease, and its braided construction permits great flexibility in contacting fittings in inaccessible places.

Hose is complete with swiveling bayonet coupler for contacting pin-type fittings and $\frac{1}{8}$ -inch male pin-type fitting at opposite end. Length 12 inches.

OB 3030—For pin-type fittings. Weight each $\frac{3}{4}$ lb.Each \$1.25

Wrapped in paper.

LUBRICATING FITTINGS KLEENSEAL

Cut down replacement costs with these durable and long-lasting fittings.

Lincoln Kleenseal fittings are standard equipment on many of the most popular and best-known automobiles, machinery and farm implements. All fittings have spring and ball check unless otherwise specified. The spherical face withstands more abuse and hard use than any other possible design. They are case hardened.



No. OB 5000 No. OB 5050 No. OB 5300 No. OB 5350

Nos.	Each	Item	Wt. Per 100, Lbs.
OB 5000	\$0.05	1/8-in. Pipe Thread—Straight	1 7/8
OB 5050	.10	1/4-in. Pipe Thread—Straight	4 1/8
OB 5300	.10	1/8-in. Pipe Thread—67 1/2° Elbow	2 3/4
OB 5350	.15	1/4-in. Pipe Thread—67 1/2° Elbow	5 3/4



No. OB 5030 No. OB 5130 No. OB 5500

Nos.	Each	Item	Wt. Per 100, Lbs.
OB 5030	\$0.05	3/8-in. Straight Drive—No Ball Check	7/8
OB 5130	.10	3/8 in. 30° Elbow Drive—No Ball Check	1 1/8
OB 5500	.10	1/8-in. Pipe Thread—Water Pump	3 3/4



Anti-friction bearing.
1/4-Inch Pipe Thread

OB 5099—Weight per 100, 7/8 lb...Each \$0.15



Reissue Pat. No. 20743 Other Patent Pending

KEYSTONE "B-B"

Save Time! Save Grease! Save Damage! Low-pressure lubrication for ball and roller bearings.

These fittings eliminate the dangers of over or under-lubrication. Over-lubrication results in power losses, overheating caused by internal friction and excessive wear, as well as wasting lubricant.

Any pressure fitting or hand compression cup, plus one of these grease fittings, assures proper application—not just once, but every time the bearing is lubricated. It is impossible to "pack" a bearing under high pressure. As little as 1/100 ounce too much will show at the escape ports of the fitting.

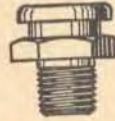
Simple to install. Just attach "B-B" fitting to bearing, then screw present pressure fitting or grease cup into the "B-B" fitting. Use the same pressure gun or grease cup as before.

Nos.	Each	Pipe Thread	Wt. Each, Ounce
OB BB 1/8	\$0.60	1/8-inch	5/8
OB BB 1/4	.65	1/4-inch	7/8

Packing—bulk.

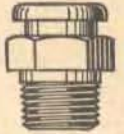
Retail prices quoted above are those found to be prevailing in the St. Louis area. Freight to destination should be added.

LUBRICATING FITTINGS LINCOLN—STANDARD BUTTON HEAD



No. OB 5700

Correctly designed and hardened to give long service. Suitable for use on many types of equipment and machinery.



No. OB 5705

Nos.	Each	Items	Wt. Per 100, Lbs.
OB 5700	\$0.20	1/8-in. Pipe Thread	6 1/4
OB 5705	.25	1/4-in. Pipe Thread	6 1/4

LINCOLN—PIN TYPE

Correctly designed and hardened to give long service. Suitable for use on many types of equipment and machinery.



No. OB 5603



No. OB 5625



No. OB 5675

Nos.	Each	Items	Wt. Per 100, Lbs.
OB 5603	\$0.05	1/8-in. Pipe Thread—Straight	3
OB 5625	.12	1/4-in. Pipe Thread—Straight	5
OB 5675	.15	1/8-in. Pipe Thread—90° Angle	7 1/2

Packing—bulk.

GREASE CUPS

PLAIN COMPRESSION
Rough Steel Finish
Without Leather Washers



Sectional View



Closed

Nos.	OB S200/2/0	OB S200/0
Inside diameter, inches	1	1 1/4
Shank pipe thread, inches	3/8	1/2
Capacity (grease), ounces	1/2	3/4
Height over all, inches	1 7/8	2 1/4
Weight each, ounces	3	4
Each	\$0.10	.10

Nos.	OB S200/1	OB S200/2
Inside diameter, inches	1 1/2	2
Shank pipe thread, inches	1/2	3/4
Capacity (grease), ounces	1	2
Height over all, inches	2 1/2	2 3/4
Weight each, ounces	6	9
Each	\$0.12	.17

Packing—bulk.