

CRAFTSMAN
REG. U. S. PAT. OFF.

1937 MODELS

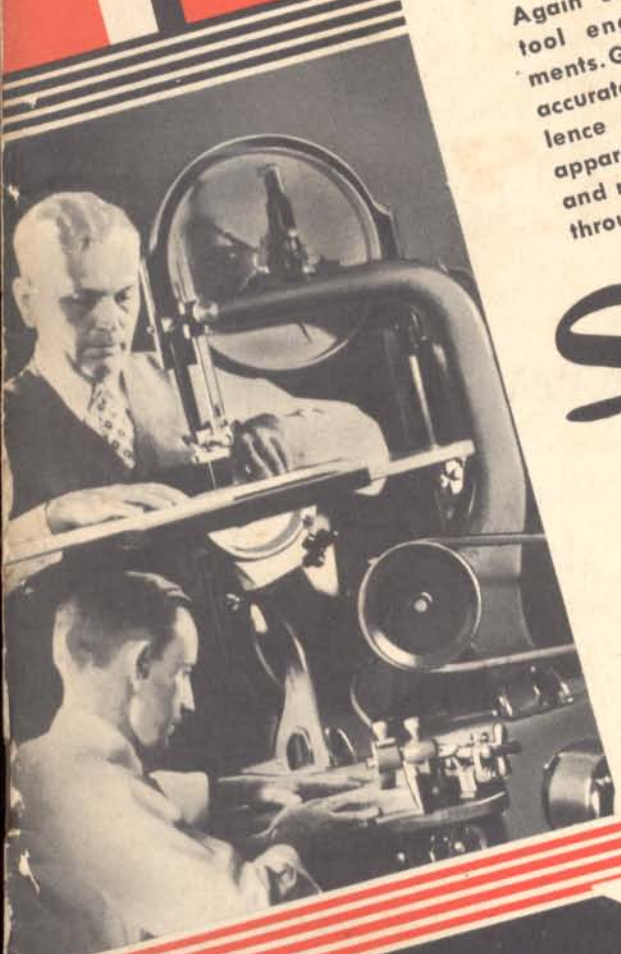
COMPANION

POWER TOOLS

Again Sears lead in power tool engineering advancements. Greater precision, more accurate machining and excellence of design are at once apparent. New developments and refinements are featured throughout the line for 1937.

Sears

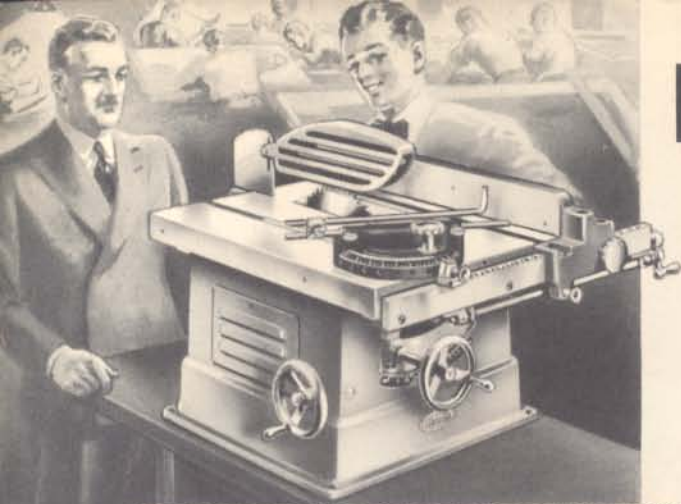
Tremendous volume has enabled us to produce better power tools for less money. Because of this volume we are able to concentrate on quality, finer construction and greater efficiency of each tool. At the same time we are able to offer you greater savings. That's why America's craftsmen, both professional and amateur, have made Sears the world's largest distributors of fine power tools.



SEARS, ROEBUCK and Co.
THE WORLD'S LARGEST DISTRIBUTORS
OF POWER TOOLS

LEADERSHIP!

Sound Engineering . . . Highest Quality Materials . . Money Saving Prices . . Have Made CRAFTSMAN Power Tools the Nation's Choice



GUARANTEE

WE GUARANTEE EVERY CRAFTSMAN OR COMPANION POWER TOOL AS WELL AS EVERY MACHINE, MOTOR OR ACCESSORY SHOWN IN THIS CATALOG TO BE EXACTLY AS DESCRIBED AND ILLUSTRATED, TO GIVE YOU PERFECT SATISFACTION AND TO REPRESENT FULL VALUE FOR THE PRICE PAID. IF YOU ARE NOT FULLY AND COMPLETELY SATISFIED WITH YOUR PURCHASE, RETURN IT TO US AND WE WILL REFUND YOUR MONEY TOGETHER WITH ANY TRANSPORTATION CHARGES YOU MAY HAVE PAID.

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Important Information Regarding Prices

Should the Federal Government or any State find it necessary to increase by taxes or otherwise the cost or selling price of any of the merchandise described in this Catalog, we reserve the right to add any such taxes or other increases of cost or selling price to the prices of merchandise shown in this Catalog.

Handy Table of Pulley Speeds

Use this table to determine the speed of driven machines with varying sizes of motor and machine pulleys. Figures given are for use with belt at proper tension and a motor speed of 1725 R.P.M.

Diameter of Motor or Driving Pulley	Diameter in Inches of Driven Pulley or Pulley on Machines					
	1 1/2	2	2 1/2	3	4	6 1/2
1 1/2 in.	1725	1290	1030	860	645	520
2 in.	2300	1725	1380	1150	860	690
2 1/2 in.	2800	2160	1725	1440	1080	860
3 in.	3450	2590	2070	1725	1290	1030
4 in.	4600	3450	2760	2300	1725	1380
5 in.	5750	4310	3450	2870	2160	1725
6 1/2 in.	7460	5600	4490	3740	2800	2240

Example—the machine has a 2-inch pulley and should run 3450 or 3500 R.P.M. What size pulley should be used with a 1750 R.P.M. motor? From the table follow down the vertical 2-inch column to the speed 3450, then to the left in column headed "Diameter of Motor or Driving Pulley" read 4-inch diameter required.

NOT BY mere chance did Sears become the nation's headquarters for Quality Power Tools. Years of development work . . . the combined thinking of our own expert engineers and those of America's foremost power tool manufacturers . . . the selection of first quality materials, parts and accessories . . . combined with Sears vast buying power . . . enable us to stand four-square against the field as *the largest distributor of fine power tools in all the world*. . . But mere size and volume of business alone were in no wise responsible for Sears present position of leadership! It required a fearless courage to build to higher standards than the industry believed possible or necessary . . . a grim determination to break away from the old and the obsolete . . . a broad vision to see that in the design and manufacture of power tools engineering ability of the highest order was just as essential as in the production of automobiles, airplanes and streamlined trains!

When you order ANY Power Tool from Sears you get soundly engineered machinery, built of the finest materials obtainable and sold at a price that ALWAYS saves you money.

EASY PAYMENT TERMS

On Orders Amounting to \$20.00 or More.

Purchase What You Need Now!

A great number of our customers who do not have all of the ready cash set aside for their Power Tool purchases have found Sears Easy Payment Plan most convenient. We invite you to make use of this Plan when buying any power tools shown in this catalog, provided the total price amounts to \$20.00 or more. Simply select the tools you want, add up the cash prices of the various items selected and figure the terms according to the table below.

When using this Plan you merely make the down payment when you order, paying the balance, including carrying charge, in easy monthly installments. Why not make use of Sears Easy Payment Terms when sending your order?

HERE ARE YOUR EASY TERMS

If Cash Price of Order Is	Add for Easy Payment Terms	Down Payment	Monthly Payments
\$20.00-\$25.00	\$2.50	\$3.00	\$4.00
25.01- 30.00	3.00	3.00	5.00
30.01- 35.00	3.50	4.00	5.00
35.01- 40.00	4.00	4.00	5.00
40.01- 45.00	4.50	5.00	5.00
45.01- 50.00	5.00	5.00	5.00
50.01- 60.00	5.50	5.00	6.00
60.01- 70.00	6.50	6.00	7.00
70.01- 80.00	7.50	7.00	7.00
80.01- 90.00	8.50	8.00	8.00
90.01-100.00	9.50	9.00	8.00
100.01-125.00	11.00	10.00	9.00
125.01-150.00	13.00	12.50	10.00

Use one of Our Easy Payment Order Blanks. Write our Personal Service Department for terms on purchases over \$150.00.



Tools which represent a real advance in design are the product of much thought, inquiry, research and experience. Sears has developed this process to a high degree—brought it to a focal point in a central office where all efforts are coordinated and results achieved in the most efficient manner. This organization has a breadth and scope that is unmatched.



The Greatest Advancement in the HISTORY OF POWER TOOLS

THE Power Tools you will find illustrated and described in this book represent a long step forward. Sears have a dominant position in this field. Our engineers, through our several hundred retail stores and our ten huge mail order houses, are in direct touch with the needs and the problems of Power Tool users everywhere. Each day the Power Tool salesmen in our retail stores talk with countless thousands of Power Tool owners. Each week our buyers receive and analyze hundreds of letters coming to our Central office from every state in the union. Thus we not only know the tools our customers want, but we are in a position to work with them in designing new and improved tools that more exactly meet their needs. No other distributor has so remarkable an opportunity to do this as Sears. And no other distributor, to our knowledge, uses this opportunity so wisely for their customers' benefit!

The illustrations on this page depict the building of a tool—beginning at the upper left hand corner of the page, Power Tool experts in consultation on a newly designed tool considering all the virtues and weaknesses of all existing tools of this type, the comments of customers—craftsmen, factory users etc.,—materials, everything required to produce better tools. Above at the right, in the larger illustration, our manufacturers' engineers working with our own experts to produce a perfect model of the proposed tool. Every detail of construction is studied from every possible angle before the tool receives our OK. When approved, it is put into production using only the best materials produced by the best methods. At every step during manufacture it is inspected and tested to insure perfection of materials and workmanship. Before shipment it receives a final testing and inspection.

Small wonder that Sears Power Tools are so expertly designed, so sturdily built and so accurately assembled!

This method of designing and building our Power Tools is responsible for the many engineering advancements and constructional betterments found in the tools shown in this catalog.

The alertness of our staff, our great testing facilities, our tremendous buying power and our will to produce better tools bring to you not only the latest mechanical improvements but also the finest materials uncovered by recent metallurgical developments—all tried—all tested—all better, every step an advance. This continual striving for perfection has developed for us new standards of precision through the use of finer, more accurate machining or the utilization of newer and better materials. It has brought about the introduction of new standards of safety for your protection. And it enables us to include in this catalog many new tools of unusual interest to the craftsman who wishes to still further broaden the usefulness of his shop.

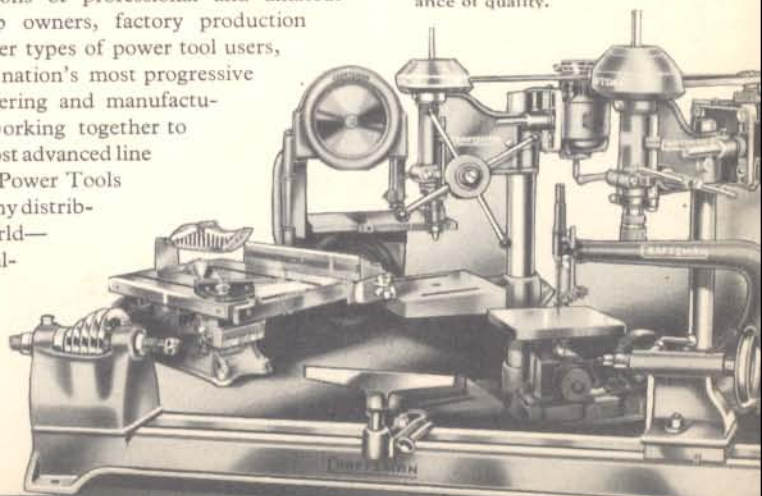
Sears Power Tools reflect the combined ideas of America's millions of professional and amateur craftsmen, shop owners, factory production men and all other types of power tool users, allied with the nation's most progressive group of engineering and manufacturing experts, working together to bring you the most advanced line of **QUALITY** Power Tools ever offered by any distributor in the world—at prices that always offer you great savings!



Sears — largest distributor of power tools in the world—takes advantage of latest metallurgical developments to insure the use of the finest material for each part.



Volume production effects great economies and permits the use of special tools and closer, more accurate inspection. Your assurance of quality.



Sears

COMPANION

New Type Sturdy WORK BENCH

Here's a real bargain! A massive work bench with rugged strength in every ounce of its 134 pounds—yours for only \$7.50. Only Sears could price such a quality bench that low. This is by far the most popular bench we have ever sold. Every piece of lumber is carefully seasoned, accurately milled and fitted. The top is actually 1½ inches thick! Bench is provided with a handy drawer 20¾x17½ inches, 3½ inches deep. A large capacity wood-working vise is supplied complete with screw with every bench. Note the large size, extra sturdy top and legs—this COMPANION bench is made to give service. You can do better work on one of these large

rugged and rigid benches that stand true and steady under hard use. An unmatched value!

Easy Terms! ON ORDERS OF \$20 OR MORE SEE INSIDE FRONT COVER

\$7⁵⁰

We include bench screw for vise and heavy turned wood handle. We ship bench to you knocked down to save freight and make this low price possible. It is easily and quickly assembled when you receive it. We include complete instructions for putting bench together. All you need is a hammer and nails. Makes an ideal bench for power tools, or may

be used for other woodworking purposes. Size of top: 26 inches x 6 feet. Height, 32 inches. This is a big, heavy, sturdy bench. Its net weight is 134 pounds. Your power tools will run more quietly and more smoothly when mounted on the sturdy top of this extra heavy bench. A real value! Shpg. wt., 135 lbs. 99 PM 2721..... \$7.50

COMPANION METAL JOINTS



76c
9 P 2896



- Made of strong malleable iron; rust-proofed.
- No nails, screws or bolts needed.
- Easily put together with a hammer.
- May be used again and again—give a lifetime of service.

Make your own saw horse... in a jiffy... simpler, better. All you need is a pair of these

husky joints, some lumber and a hammer. No fussing with nails, bolts or screws; you don't have to bevel or joint your lumber. Horses built with COMPANION joints are much stronger, more rigid. Provided with locktight grippers that prevent side sway, spreading or wobbling. Easy to take down and set up.

9 P 2896—COMPANION joints for 1x3 lumber, per set of 2. Shipping weight, 4 pounds 6 ounces. **76c**
9 P 2897—COMPANION joints for 2x4 lumber, per set of 2. Shipping weight, 10 pounds. **\$1.40**

COMPANION TOOL LIGHT



\$1⁴⁵

One of the handiest aids to good work ever made for use with power tools.

A Sears perfected light that clamps right on a tool in a jiffy, and stays "put." The flexible neck lets you bring the light down to your work, just where you want it; an extra large reflector keeps the light out of your eyes, a real safety feature. Two or three of these in a well-equipped shop will save your eyesight and do away with overhead lights that cast work-hindering shadows on the job you have in hand.

Length of neck is 15 inches. Overall length, 23 inches. Complete with push switch in socket, clamp, cord and plug. This is a larger, finer, better constructed lamp of superior quality. Shipping weight, 1 lb. 12 oz.

9 P 2264..... \$1.45



CRAFTSMAN Apron

39c Made from excellent quality heavy white canvas with high front to protect the shirt. Extra long, full 42 inches, so as to come well below knees. Easy to put on; exceptionally well made; it saves many times its cost in clothes.

Has large, handy, strongly sewed pocket. You'll find others ask much more for aprons not as good as this one. Easily pays for itself.

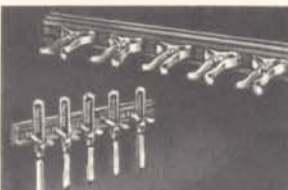
Shipping weight, 9 ounces.
9 P 2950..... **39c**



Workshop Manuals

\$1²⁵ A fine set of four 72-page books with numerous illustrations in half-tone and pen and ink. A total of 288 pages, with sections on The Lathe; The Drill Press; The Band Saw and Jig Saw; The Bench Saw, Jointer and Shaper. Covers their construction, care and operation. A valuable collection of information. Shipping weight, set of 4, 2 pounds; each, 7 ounces.

9 P 2919—Set of 4 books..... **\$1.25**
9 P 2920—The Lathe..... **.40**
9 P 2921—The Drill Press..... **.40**
9 P 2922—The Bench Saw and Jig Saw..... **.40**
9 P 2923—The Bench Saw, Jointer and Shaper..... **.40**



Handy Tool Clips

25c Safely in place on these clips, your tools will remain bright and sharp. Tools rolling around a work bench soon lose their sharp edges.

Made of the finest spring steel, these clips are adjustable in grip tension to accommodate tools from the smallest to the largest. Mounted in groups of five on a nicely finished wood strip. Shipping weight, 10 oz.

9 P 2865—5 mounted tool clips, without chisels..... **25c**



Easy-To-Use Blueprints

19c EACH Clear, easy to read and use. Your choice of 10 blueprints as listed below. Gives all the information necessary, such as the list of materials needed, sketch of finished job, details of joints and directions for finishing. (1) Priscilla Sewing Cabinet, (2) High Back Lawn Chair, (3) Colonial Spinnet Desk, (4) Drop Leaf Table, (5) Garden Trellis, (6) Old West Silhouettes, (7) Work Bench, (8) Hanging Book Rack, (9) Cobbler's Bench Table Lamp, and (10) Cedar Lined Chest. State plan wanted. Shipping weight, each, 3 ounces.

9 P 2900—Each..... **19c**

COMPANION

7-INCH BENCH SAW

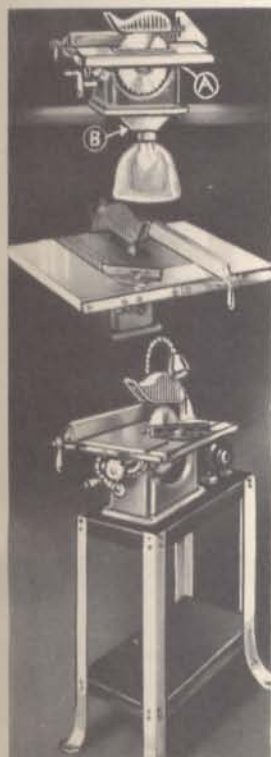
\$11⁹⁵

- Depth of cut easily adjusted by ball crank and gear mechanism, which raises and lowers table.
- New depth gauge makes depth of cut adjustment more accurate.
- Table tilts to any angle from 0° to 45° with adjustable stops for both positions.
- Angle cut gauge shows angle clearly, precisely.
- Operating mechanism completely enclosed.
- New type auto-lubricating bronze bearings.
- 7-in. diameter combination saw blade included.
- Fitted with removable insert for dadoing.
- Ripping fence is rugged and accurate.
- Equipped with miter gauge and approved safety guard . . . latest design.
- Rip fence bars and all control handles chromium plated; table is ground to smooth finish.
- Depth of cut from 0 to 2 3/4 inches.

The answer to the demand of home craftsmen who insist on high quality in a medium sized bench saw. It has all the features found in saws selling at much higher prices—it can handle most any job. Improved—new depth and angle of cut gauges make for greater accuracy and ease of control; chromium-plated control handles and rip fence bars give it greater beauty. This 7-inch COMPANION saw is an outstanding value at this price. Compare it with other bench saws—see it as the leader it truly is.



ADVANCED DESIGN . . . FINE WORKMANSHIP . . .
TRUE VALUE . . . WITHOUT EQUAL UNDER \$20.00



View of COMPANION 7-in. Bench Saw on machine stand with tool-light in position. A most convenient and serviceable arrangement for your workshop.

Dust Collecting Outfit

Consists of dust guard (A) and sawdust chute (B) for attaching to base of your 7-inch bench saw. Dust bag collects sawdust, making this saw one of the very cleanest ever built. Shipping weight, 5 pounds 8 ounces.

9 P 2246 . . . \$1.10

Extension Table

Front and 2 side extensions with all necessary fittings. Front extension fitted with slot for miter gauge. Will accommodate ripping fence. Easy to attach; increases saw top to 20x19 in. Shipping weight, 10 pounds.

9 P 2247 . . . \$6.95

COMPANION Machine Stand

For bench saw 99 P 2232. Shipped knocked down with all necessary bolts and fittings for easy assembly. Size of top, 10x21 in. Ht., 31 in. Specify size 10x21x31 in. Shipping weight, 33 pounds.

99 P 2719 . . . \$4.25

COMPANION Tool Light

Easy to attach; throws light on the work—extra large reflector keeps light out of your eyes. Has 15-inch flexible neck. Over all length, 23 inches. Fitted with clamp; also drilled for bolting to machine. Shipping weight, 1 pound 12 ounces.

9 P 2264 . . . \$1.45

You'll take pride in adding this sturdy, efficient tool to your shop. It cuts through the toughest, hardest wood with ease. It has a full 2 1/4-inch depth of cut, operates at 3500 R.P.M. Like all of Sears power tools, it is remarkably free from vibration. Add an extension table at small cost and you'll have a machine that can handle really big jobs—jobs that ordinarily would overtax the capacity of a larger bench saw.

BASE: Husky one-piece casting of semi-steel, accurately machined and rigidly braced for maximum strength.

BEARINGS: Latest type auto-lubricating bronze bearings that filter all oil supplied to the saw arbor. They seal the journals against particles of foreign material insuring long life and smoother operation.

SAW ARBOR: Extra quality steel, accurately machined. Will run true and is vibrationless under heaviest loads.

Complete with 2-in. pulley on machine, miter gauge, guard and splitter and rip fence. Shpg. wt., 40 lbs.

99 P 2232—Without motor . . . \$11.95

99 P 2234—As above with 1/2-H.P. 110-volt 60-cycle A.C. COMPANION Ball Bearing Motor. Shipping weight, 69 pounds . . . \$20.70

TABLE: Tilting type, 10x14 3/4 inches. Heavy non-warping semi-steel, carefully machined and highly polished.

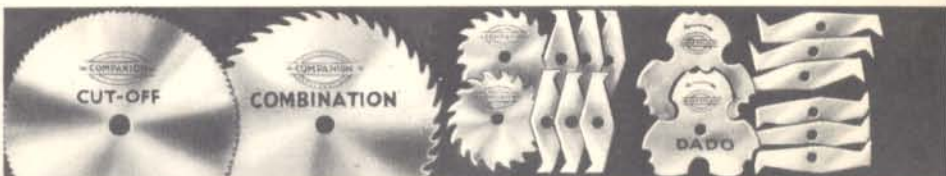
MITER GAUGE: Sturdy, quickly adjustable. Easily read scale simplifies adjustments.

RIP FENCE: Accurate, well made, self-aligning. "Stays put" when set. Can be used on either side of blade.

GUARD: Fully approved type; meets all safety codes. Ruggedly constructed—mounted on splitter and easily adjusted as to height.



These new gauges eliminate guesswork in adjusting the angle and depth of cut.



COMPANION Cut-Off Saw

Special analysis saw steel; heat treated, hardened. Hand set and filed. 1/2 or 3/4-in. center hole. Specify hole size wanted. Order 1/2-in. hole if for 99 P 2232. Shipping weight, 11 ounces.

9 P 4921 . . . \$1.00

COMPANION Combination Saw

Really 3 saws in 1. Specially designed for cross cutting, ripping or mitering. Hand set and filed. 1/2 or 3/4-in. hole. Specify 7-inch diameter and hole size wanted. Order 1/2-in. hole if wanted for 99 P 2232 saw. Shipping weight, 10 ounces.

9 P 4936 . . . \$1.00

COMPANION 4-In. Dados

2 outside saws, 6 chippers. 1/2-in. hole. Shipping weight, 15 ounces.

9 P 4887 . . . \$2.19

9 P 4883—Outside

Dado Saw only. Shipping

weight, 9 ounces . . . \$56

9 P 4880—Inside

Chipper only. Shpg. wt., 3 oz. . . . 2⁹⁵

CRAFTSMAN

5 1/2-In. Dados

2 outside saws, 6 chippers. 1/2-in. center hole. Shpg. wt., 1 lb. 10 oz.

9 P 4888 . . . \$3.50

Specify 1/2-in. hole.

9 P 4884—Outside

Dado Saw only. Shipping

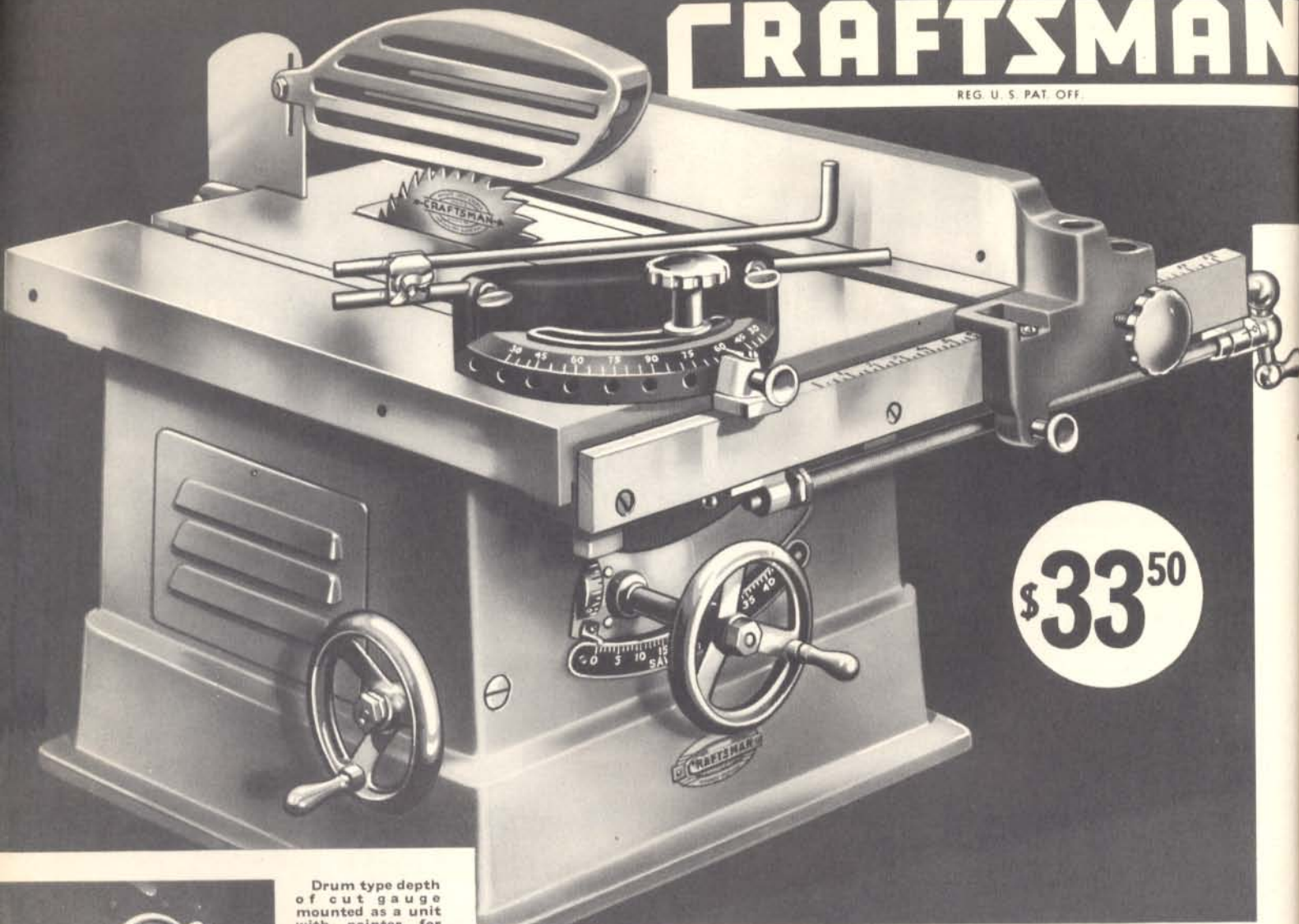
weight, 9 ounces . . . \$89

9 P 4881—Inside

Chipper only. Shpg. wt., 3 oz. . . . 30c

CRAFTSMAN

REG. U. S. PAT. OFF.

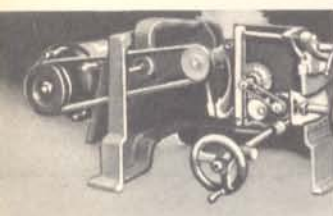


\$33⁵⁰

Drum type depth of cut gauge mounted as a unit with pointer for angle gauge—always together—depth and angle of cut are read at one glance. Depth of cut gauge adjustable for dado work.



The finest construction ever used. The massive cradle mounted on giant trunnions, the large rugged saw arbor and arm pivoted to the cradle, the accurately made control gears, large control handles and lock, are unmatched.



Note that trunnions on this saw are much larger than on any other. Their large size and tongue construction insures accuracy and long life. Splitter is mounted as a unit with cradle and tilts with saw blade. The motor mounts on a hinged base at the rear of the saw arbor pivot arm; it raises, lowers and tilts with saw blade and arbor—the drive belt is never twisted. The hinged base makes it easy to adjust belt tension. The unit construction permits contractors to take the saw to the job. Unmatched quality.



What Thousands of Craftsmen Have Wanted

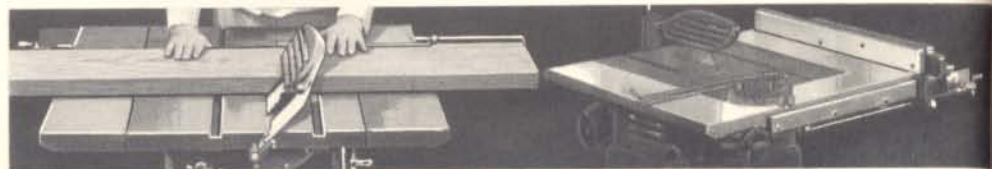
Sears, the largest distributor of power tools, accepted their responsibility as the leader. Knowing that experienced craftsmen everywhere wanted this saw they utilized their large volume of sales to pay for the great expense involved in producing this new and modern design. This cost distributed over the largest number of saws ever purchased at one time makes it possible for us to offer this wonderful tool at an unbelievably low price. To our knowledge no saw in any way comparable to it has ever sold for less than \$60.00, almost twice our price. The fact that more craftsmen approve and use CRAFTSMAN tools than any others made it possible for us to produce several times more saws than any other distributor. The saving effected as a result of this large vote of confidence is now being passed on to you. We are offering this fine tool for less than one half of what it would cost if it could be obtained elsewhere.

It was impossible for anyone except the distributor with largest volume and acceptance to develop such a saw. It can be purchased only at Sears. Shipping weight, 145 lbs.

99 PM 2236—CRAFTSMAN Tilting Blade Saw complete with guard, rip fence, miter gauge, V belt and motor pulley..... \$33.50

99 PM 2207—Same as above with 1/2-H.P. 3450 R.P.M. COMPANION Ball Bearing Double Drive Shaft Capacitor Type Electric Motor for 110 volt 60 cycle A.C. Shipping weight, 173 pounds..... \$47.00

Easy Terms!
ON ORDERS OF
\$20 OR MORE
—SEE INSIDE
FRONT COVER



The Work Remains Level

Regardless of the angle at which the board is being cut it remains level, flat on the fixed top of the CRAFTSMAN Tilting Blade Saw. When large work is being fed across a tilted table it tends to slide toward the lower side of the table and is difficult to handle. The table of the CRAFTSMAN saw is never tilted, always level and easy to use. The logic of the tilting blade saw for large work is so simple as to be obvious. To correctly produce such a tool, making it sturdy and accurate, required the volume and production facilities that are available only for the production of CRAFTSMAN tools, the finest factories and most skilled workers.

Extension Tables for Large Work

Accurately made, carefully finished. Fit perfectly and provide a solid surface for work.

9 P 2208—Front extension, 6x16 inches. Increases space in front of saw blade to 15 inches. Complete with all fittings and fine wood facing for rip fence. Shpg. wt., 19 lbs..... \$3.75

99 P 2209—2 side extensions, 6x26 in. Long graduated bar for rip fence, long feed screw, brackets and fittings. (Cannot be used without front extension above.) Shpg. wt., 43 lbs.. \$8.50

TILTING BLADE BENCH SAW

Makes Power Tool History

Vastly Different Design — Unmatched Performance

HEAVY DUTY... 8-Inch Blade ... SKF BALL BEARINGS

- The saw blade tilts, raises and lowers.
- The table remains level at all times.
- The motor tilts with saw arbor and blade. Belt always runs straight; never twisted.
- Blade is enclosed by sawdust chute.
- SKF ball bearings.
- Very large diameter trunnions support a massive cradle, which tilts to provide angle of cut. Saw blade and arbor are carried by an arm pivoted on cradle. This pivoted arm provides depth of cut adjustment and also carries the motor.
- Depth and angle of cut gauges are mounted together. Easily read at a glance.

SPECIFICATIONS

TABLE: Heavy and well ribbed, very smooth finish. Size 16x20 inches. With extensions, 28x26 inches. 9-inch space before blade; 15 inches in front of blade when fitted with extension.

DEPTH OF CUT: From 0 to 2½ inches. (Note this is a full 8-inch machine, not a 6-inch saw with an 8-inch blade that cannot be withdrawn below the table—note also the net weight).

NET WEIGHT: 130 pounds. Shipping weight, 145 pounds.

OVER ALL DIMENSIONS: Length, 26 inches; height, 17 inches; width, 26 inches.

RIP FENCE: Very strong, self squaring type, fitted to bar graduated in 1/16ths from 0 to 11 inches; feed screw mechanism, readily engaged or disengaged, has Vernier adjusting to 1/64 inch.

MITER GAUGE: Large, heavily and accurately made; indexed at 15 degree intervals, graduated at 1 degree intervals, fitted with adjustable stop rods.

LOCKING MECHANISM: Slide bolt under front of table locks both raising and tilting mechanism easily and quickly.

BLADE: Fine quality combination crosscut and ripping type; 8-inch diameter.

ANGLE OF CUT: From 90 degrees to 45 degrees, positively controlled by screw feed mechanism and large hand wheel.

TRUNNIONS: Very large, extra heavy, tongue and groove type. Carry cradle, pivoting arm, saw arbor and blade.

BEARINGS: SKF ball bearings. Deep groove heavy duty type of extra large diameter mounted on accurate arbor of finest steel.

This new CRAFTSMAN tilting blade saw is truly a leader, standing head and shoulders above other bench saws. A giant in quality, design and value! The product of years of experience, research and development, the CRAFTSMAN tilting blade saw has proven itself superior to all others. It is a sturdier, more accurate and thoroughly tried saw! One that offers more cutting ability, more refinements, more fine workmanship than any saw we have ever seen.

Experienced craftsmen have long known that this type of saw was the ideal type. Previously it was not thought feasible to produce it. First because this type requires fine machine work carefully performed on massive castings, pieces much larger and more costly to produce than any manufacturer considered profitable or possible. Secondly because it was easier to build the conventional type of saw than to work out the problems connected with easy, accurate operation of the new type. There were many other reasons too, such as the investment required for new machinery, new tools, new dies, the lack of design and testing facilities, etc.

With the conventional saw the table is tilted and the work is difficult to hold in the correct position for sawing as it tends to slide toward the low side of the table. All this is eliminated in this new and better tool. Sawing on a tilting blade saw is entirely different, easier and faster. The work always remains level, lying flat on the fixed table regardless of the angle at which the cut is made.

COMPANION

Machine Cabinet

\$9⁹⁵

This sturdy all-steel machine stand makes an ideal foundation for No. 99 PM 2236 Tilting Blade Bench Saw. The roomy cabinet has sturdy shelf for tools. The top measures 16x21 inches and it stands 31 inches high. Strongly braced and rigid throughout. Large rubber pads for feet of stand. Finished in dark Royal Blue crinkle enamel. Made of extra heavy gauge steel for rigidity. Shipping weight, 62 pounds.

99 PM 2718.....\$9.95



High Grade 8-In. Circular Saws

9 P 4927—CRAFTSMAN Cut-Off Saw. Special saw steel, heat treated and hardened. Set and filed. Shpg. wt., 13 oz.\$2.19

9 P 4923—FULTON Cut-Off Saw. High carbon, tempered, saw steel. Set and filed. Shipping weight, 13 ounces.\$1.35

9 P 4928—CRAFTSMAN Rip Saw. Highest quality. Cuts fast—stays sharp. Shipping weight, 13 ounces.\$2.19

Be sure to specify ½-in. center hole, and 8-inch diameter.

9 P 4924—FULTON Rip Saw. Outstanding value at Sears low price. Shipping weight, 13 ounces.\$1.35

9 P 4939—CRAFTSMAN Hollow Ground Combination Saw. For cross cutting ripping or mitering. Shpg. wt., 13 oz.\$3.25

9 P 4936—CRAFTSMAN Plain Tooth Combination Saw. Not illustrated. Shipping weight, 13 ounces.\$1.45

Grinding and Metal Cutting Wheels

9 P 2272—High quality steel abrasive disc wheel, 8 in. in diameter, for use on CRAFTSMAN 8-inch Bench Saw. Shipping weight, 4 pounds 4 ounces.\$1.50

9 P 2273—Pkg. of six 8-in. sanding discs, coarse, and fine, to fit above wheel. Shipping weight, 10 ounces.75¢

9 P 6470—8-inch metal cutting wheel for use in CRAFTSMAN 8-inch Bench Saw. ½-in. thick. Specify ½-inch hole. Shpg. wt., 1 lb. 14 oz.\$1.00

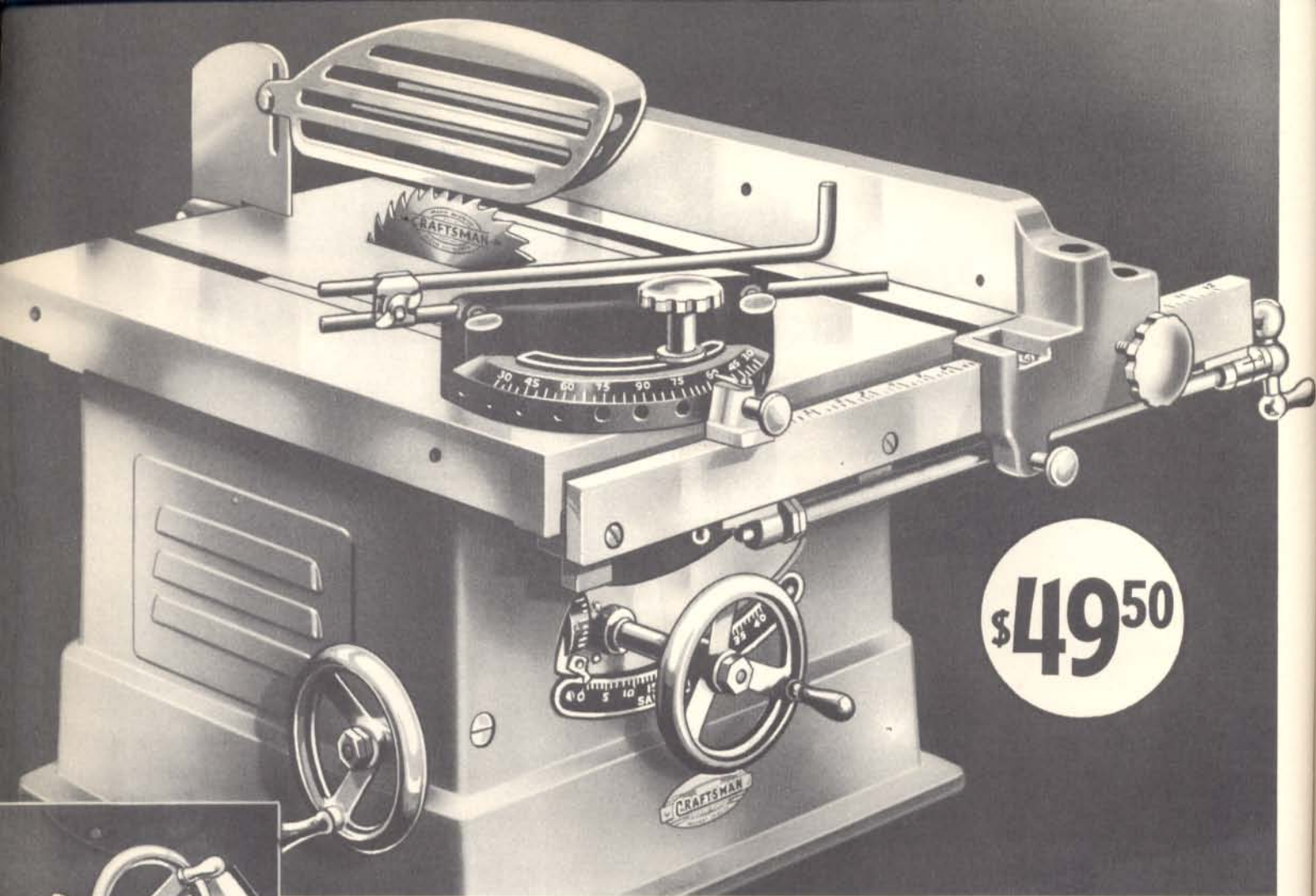
5½-in. Dado Saws

CRAFTSMAN. 2 carefully ground outside saws; 6 chippers. ½-in. center hole.

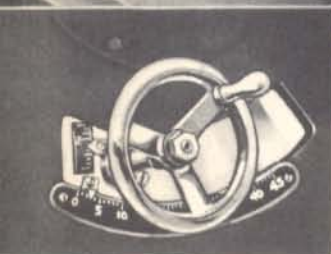
9 P 4889—Complete Saw. Shpg. wt., 2 lbs.\$3.50

Specify ½-in. center hole.
9 P 4884—Outside Dado Saw only. Shpg. wt., 9 oz. Each.89¢

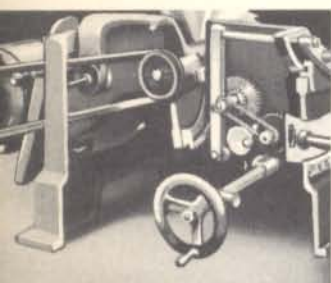
9 P 4881—Inside Chipper only. Shpg. wt., 3 oz. Ea.30¢



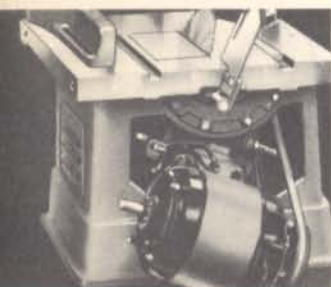
MASTER CRAFTSMAN 10-in. TILTING BLADE BENCH SAW—the Finest Built



Convenient drum type gauge gives exact cut depth. Adjustable for dado work.



Motor tilts with saw blade. No twisted belts on the CRAFTSMAN.



Exceptionally massive trunnions carry the entire tilting blade mechanism. Motor counter balanced for ease in operation. Will remain accurate through years of hard service.

- The saw blade, mounted on a rugged, accurate mechanism tilts, raises and lowers.
- Motor and blade tilt together as a unit. Belt always runs straight, is never twisted.
- Rip fence feed screw control permits the adjustment of width of cut to $\frac{1}{64}$ of an inch.
- Angle and depth gauges mounted together regardless of position of blade. Gauges are easily read.
- Massive oversize base insures stability of the saw.
- Large precision type SKF ball bearings.

We believe that this is the finest 10-inch saw ever built. Our radically new design incorporates features that experienced craftsmen have wanted for years. Craftsmen know that the ideal way to build a large bench saw is to tilt the blade rather than the table. The work always remains level. On a tilting table saw the work must be held on an angle. It is particularly awkward to handle large work under such conditions.

The tilting blade type of construction is made possible only by our volume as the largest distributor of power tools in the country. A tilting blade saw must be designed and built to the highest standards. Its construction requires the use of expensive, special tools and machinery. Because of the large expense involved no one previously dared go into this type of construction. Only by buying unheard of quantities, have we been able to offer this saw at this price.

We have used the best tools and machinery in order to produce the utmost in accuracy. We knew that the finest bench saw in the past was not good enough—that the new CRAFTSMAN must have everything. We are proud of this tool—proud to be the pioneer of a new and truly finer bench saw. This new CRAFTSMAN is a full 10-inch bench saw which will withdraw the blade completely below the table. Net weight, 178 pounds.

99 PM 2237—CRAFTSMAN 10-inch Tilting Blade Bench Saw with guard, rip fence, miter gauge, combination blade, motor pulley and belt. Shpg. wt., 193 lbs. **\$49.50**
99 PM 2238—CRAFTSMAN 10-inch Saw as above with $\frac{3}{4}$ -H.P. Ball Bearing 110-volt, 60 cycle, A.C. motor. Shpg. wt., 235 lbs. **\$78.00**

SPECIFICATIONS

Table—well ribbed to prevent warping. Ground finish. Size, 20x27 inches. Table size complete with extensions, 34x32 inches.

Distance in front of blade, 12 $\frac{1}{4}$ inches; with extensions, 17 $\frac{1}{4}$ inches.

Blade—finest quality, combination type. Diameter, 10 inches.

Depth of cut, maximum—3 $\frac{1}{4}$ inches.

Saw arbor—finest quality steel; reduced at blade to $\frac{1}{2}$ inch.

Saw blade tilts from 0° to 45°—graduated by 1° divisions.

Rip fence bar—graduated from 0 to 15 inches, by $\frac{1}{16}$ ths.



The Work Remains Level

See how easy it is to cut a board at an angle on the CRAFTSMAN tilting blade bench saw. The table is never tilted, always level and easy to use. The work always lies flat regardless of the angle at which the board is being cut. A long board which would hit the floor on a tilting table saw is easy to handle on the new CRAFTSMAN. To produce such a tool required the facilities that are available only for the production of CRAFTSMAN tools.



Extension Tables for Large Work

Accurate, carefully finished. Provide a solid surface for work.
9 P 2203—Front extension only. Provides 17 $\frac{1}{4}$ inches in front of blade. Size, 20x5 inches. Complete with fittings and long facing for rip fence. Shipping wt., 22 lbs. **\$3.95**
99 P 2204—Two side extensions, each 7x32 inches. Usable only with front extension to make 32x34-inch table. Complete with long feed screw and graduated bar. Shipping wt., 58 lbs. **\$11.50**

Easy Terms
ON ORDERS OF
\$20 OR MORE
SEE INSIDE
FRONT COVER

COMPANION

10-In. BAND SAW

One-Piece Frame . . Improved Design

\$16⁹⁵

- Exceptionally heavy one piece gray iron frame guarantees long life and smooth operation.
- New integral mounting of guard and wheel maintains perfect blade tension, and a constant clearance between wheel and guard.
- Highest quality easy-running bronze wheel bearings.
- Upper guide has high grade ball thrust bearing.
- 10-inch balanced safety type wheels. Blade cuts to center of 20-inch circle.
- Table tilts to 45 degree angle.
- Handles any wood up to 4 inches thick.
- Hardwood extension table securely mounted.
- Newest type approved vertical guards.
- Strong, adjustable upper wheel support.

SPECIFICATIONS

FRAME: Sturdy one-piece close-grained gray iron, well braced and designed to provide large surfaces for alignment and for bearings. Assures smooth operation and long life.

WHEELS: Large 10-in. safety type, rubber-tired for silent, positive traction of the blade. Fully adjustable upper wheel support makes it possible for even inexperienced operators to get the correct blade tension and alignment, right from the start! We've mounted the upper wheel and guard as a single unit, so that the clearance between the guard and wheel is always the same regardless of blade length.

BEARINGS: Bronze, oversize, easy running type.

TABLE: Smoothly machined 9½x9½-inch top, supported by combined cradle and graduated scale showing angle of cut to 45°. Quickly tilts and locks in place at a twist of the handle. Soft metal insert in center of table for protection of the blade.

BLADE GUIDE: Upper guide adjustable for height and is fitted with highest quality ball thrust bearing. Both upper and lower guides designed to keep saw blade running free and true even under heaviest cutting.

DIMENSIONS: Over all height, 26½ inches. Front-to-rear depth, 17 inches. Overall width, 9½ inches.



Rear view of 10-inch bandsaw, showing the unity and simplicity of the new wheel and guard mounting. Note its large size and ruggedness.

Finer Performance . . Extra Strength . . A Real Value

The leader in its class! A husky 10-inch bandsaw with everything—and priced to save you money! The new upper wheel mounting keeps the space between wheel and guard always the same; they move together when blade tension is adjusted. You can mend a broken blade several times and still have sufficient clearance between wheel and guard. Blade travels smoothly over the rubber-tired wheels. Vibration is reduced to a minimum, blade life is lengthened. Finely machined table 9½x9½ inches; working space, including extension, 15x9½ inches. Convenient, positive controls regulate track and tension of blade very accurately. They are of new design and sturdily constructed. This saw handles the hardest wood up to 4 inches thick. Use ⅓-H.P. motor, 99 P 5607, page 39. Complete with 48-inch "V" belt and 72-page instruction book.

Easy ON ORDERS OF \$20 OR MORE Terms SEE INSIDE FRONT COVER

Shipping weight, 61 pounds.

99 PM 2302 \$16.95



COMPANION Band Saw Blades

For 10-inch band saw 99 PM 2302. Made of high quality saw steel, carefully tempered and set. Will give long service on all kinds of wood whether hard or soft. Run true, hold their cutting edge longer! Length, 62 in. Furnished in widths of ⅛, ¼ or ⅜ in. State width wanted. Shipping weight, 6 ounces.

9 P 2665 79c

COMPANION Machine Stand

An all-metal stand for your COMPANION 10-Inch Band Saw. Exceptionally strong and rigid. Has handy tool shelf and top measuring 10x21 in. Specify 10x21x29-in. size. Shpg. wt., 32 lbs.

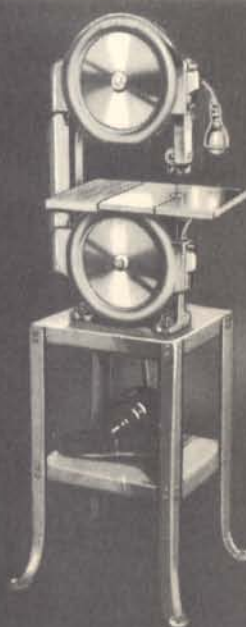
99 P 2719 \$4.25

COMPANION Tool Light

For mounting on your band saw. Clamps on handily. Extra large reflector throws the light on the work—keeps it out of your eyes. Complete with 15-in. flexible neck, reflector and cord and plug. Shpg. wt., 1 lb. 12 oz.

9 P 2264 \$1.45

Page 7



CRAFTSMAN

CRAFTSMAN

REG. U. S. PAT. OFF.

12-inch Ball Bearing Band Saw Precision-Built for Finer Work

\$28⁹⁵

• Six precision type SKF ball bearings for long life and smooth, silent operation.

• Extra heavy one piece gray iron frame insures smooth operation and accuracy.

• Oil impregnated bronze guides increase life of saw blade—prevent hardening.

• New head design maintains a constant amount of clearance between wheels and guards.

• Safety type 12-inch rubber faced wheels run on four sets finest precision type SKF ball bearings.

• 12½x12-in. well ribbed table—smoothly finished—18x12-in. with wood extension; ample capacity for most every job.

• Handles stock up to 6 inches thick.

• Table tilts up to 45° angle with easily read graduated scale showing exact angle.

SPECIFICATIONS

FRAME: Heavy enough for a saw twice its size! Made in one piece of heavy close-grained gray iron.

BALL BEARING WHEELS: Both upper and lower wheel bearings are precision ball bearing type, two sets in each wheel. Practically noiseless. Dynamically balanced wheels of safety design run perfectly.

BALL BEARING SAW GUIDES: Another feature found only in higher priced saws. Both upper and lower guides have precision type ball thrust bearings and are fully adjustable. Properly adjusted, the new type oil retaining bronze guides will keep the saw running true and smooth with minimum frictional loss.

TABLE: Ground and polished, of heavy gray iron. Provided with large, rugged cradle upon which table tilts to any desired angle up to 45°. Large easily read scale and pointer tell at a glance the angle to which table is set. Convenient locking handle gives quick, positive control. Table is well ribbed; and two sides are positively lined up by a heavy machined plate that is bolted down, eliminating the customary and less efficient retaining screw ordinarily used. Wood extension table at rear increases working surface to 18x12 inches.

DIMENSIONS: Height, over all, 33½ inches. Depth, front to rear, 22 inches. Maximum width, 12 inches.

Fast Cutting . . . Smooth Running . . . A Big Value!

COMPANION Band Saw Blades

For 99 PM 2304 12-Inch Band Saw. Made of finest quality saw steel, carefully tempered and set. Tough yet flexible. Built by master saw makers. Shpg. wt., 8 ounces.

9 P 2657—Length, 77 inches. Furnished in widths of 3/16, 1/4, 3/8 or 1/2 inch. Specify width wanted. . . . 89c

9 P 2668—77-Inch Metal Cutting Blade for use on non-ferrous metals such as aluminum, copper, etc. Shpg. wt., 7 oz. . . . 89c

Rip Fence

For use on above band saw. Useful in making straight cuts on thin pieces when used with blades 1/2-in. wide.

9 P 2305—Shpg. wt., 6 lbs. . . . \$2.25

COMPANION Machine Stand

An all-metal stand for your CRAFTSMAN 12-Inch Band Saw. Top measures 10 in. x 21 in.; height, 29 in. Exceptionally strong and rigid. Specify 10x21x29-in. size. Shpg. wt., 32 lbs.

99 P 2719 . . . \$4.25

COMPANION Tool Light

Clamp it on your band saw. Throws light on your work—extra large reflector keeps light out of your eyes. With 15-in. flexible neck, reflector and cord and plug. Shpg. wt., 1 lb. 12 oz.

9 P 2264 . . . \$1.45

America's most popular 12-inch band saw—designed for the craftsman who wants a powerful, speedy, smooth-cutting saw. Cuts through wood up to 6 inches thick with ease and speed. Operates smoothly and silently under the heaviest job. Has that vibrationless perfection that you'll find only in saws of precision manufacture, with high quality ball bearing wheels and an extra heavy frame. With costs rising, we still price it low. What's more, we've added new features that make this CRAFTSMAN saw—even more than last year—the outstanding value in the entire band saw field.

New, quieter, more effective guards, mounted so a constant clearance above wheel is maintained. Wheels that are carefully and individually balanced also add to the quiet smoothness with which this saw operates. The upper wheel spindle is carried on a support of new and exclusive design; heavier for greater stability, simpler for easier adjusting to a more positive wheel alignment and blade tension. Oil impregnated bronze guides lubricate the saw blade in passing, increasing its life and preventing hardening. These new features mean a real step forward in band saw perfection. Feature for feature, price for price, this 12-inch CRAFTSMAN band saw is a real value. Complete with 48-inch belt, 1/4-inch wide saw blade, 2½-inch pulley and 72-page book of instructions. Shipping weight, 104 pounds.

99 PM 2304 . . . \$28.95

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\$20 OR MORE
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CRAFTSMAN

REG. U. S. PAT. OFF.

Heavy Duty, 16-in. Band Saw Extra Large Capacity

- Six high quality SKF bearings in dustproof housings packed with enough lubrication for years of trouble-free service.
- One piece gray iron frame, extra heavy for utmost rigidity.
- Self-lubricating bronze guide blocks in saw guides keep blade from hardening. Both right hand guides have micrometer adjustment for finer, more exact work.
- New head design maintains constant clearance between wheel and guard.
- Rubber faced machined wheels, carefully balanced.
- Handles material up to 12 inches in thickness.
- Big 17x18-inch cast iron table has accurately ground surface, correctly ribbed and provided with groove for miter gauge.
- Table mounted on smooth working trunnions; may be tilted 45° to right and 10° to left.

\$79⁵⁰

Less
Motor
and
Base

BAND SAW ONLY

SPECIFICATIONS

FRAME: One piece, extra heavy fine quality gray iron.

WHEELS: Highest quality gray iron. Rubber facings on wheels ground after assembly for smooth, vibrationless operation. Lower wheel keyed on tapered shaft, prevents loosening.

BALL BEARING SAW GUIDES: Right member of each guide has micrometer adjustment, gives hair line accuracy in cutting. Ball bearing takes the thrust of the saw blade, insuring easy operation and long blade life. Angle of lower right hand guide makes it possible to set guide very close to underside of table.

TABLE: 18x17 in. Smooth finish. Heavily reinforced. Easily read; scale shows exact degree of tilt—carries stops at 45° and 90°. 2 1/4-in. aluminum insert protects blade.

GUARDS: The last word in safety. Saw is almost completely enclosed. Practically unbreakable wheel guards are cast of Zamak, a tough metal that looks better, is lighter but yet stronger than cast iron. A unique telescoping arrangement makes it possible to fully lower the guard down to the work—when cutting very thin material or to get full clearance when working at 12-in. capacity.

BEARINGS: 2 sets dust sealed SKF ball bearings in each wheel. In all, 4 sets of the finest bearings.

DIMENSIONS: Height, over all, without base, 50 1/2 in. Depth, front to rear, 30 1/2 inches. Maximum width, 22 inches.

Easy Terms
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\$20 OR MORE
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FRONT COVER

Highest Quality!

The band saw for the professional as well as the home craftsman. A big, sturdy saw that cuts with ease through toughest wood up to 12 inches thick—so carefully made that it handles small jobs to perfection—has hair line accuracy! SKF bearings on upper wheel and lower drive shaft give maximum smoothness of operation . . . New type oil impregnated bronze saw guide blocks protect your blades; make them last longer. A new type mounting for the upper wheel spindle; makes possible more perfect alignment. New system of mounting always maintains the same distance between guard and wheel! The wheel and guard are mounted as a unit and move together. The guards are made of Zamak metal and are the last work in safety design. Operates at 600 R.P.M. (Use 1/4-H.P. 1750 motor, see pages 38 and 39.) The greatest value on the market. Guaranteed—and priced much lower than you would expect. Complete with belt, motor pulley and 72-page book of instructions. Shipping weight, 310 pounds.

99 PM 2301—Less base and motor \$79.50

99 PM 2318—Heavy gray iron base for 99 PM 2301 band saw. Shipping weight, 125 pounds \$12.50

COMPANION Band Saw Blades

For 16-inch band saw. Made of very finest quality saw steel, carefully tempered and set. We recommend the 3/4-inch blade for resawing. Length, 114 1/4 in. Specify width blade wanted. Shpg. wt., each, 1 lb.

9 P 2659—COMPANION Blade, 1/8 or 1/4 in. wide \$1.50

9 P 2659—COMPANION Blade, 1/2 or 3/4 in. wide 1.65

Page 9





\$37⁵⁰

COMMANDER 1/4-H.P. SPRAYER

- Sprays everything: lacquers, oil and cold water paints, enamels, varnishes, insecticides, disinfectants. Saves time and money.
- Heavy duty 2-ring wick oiled compressor. Supplies clean, oil-free air. Maximum pressure, 50 pounds.
- Pressure-type gun with two air caps for round or fan spray.
- 1/4-H.P. 1750 R.P.M. heavy duty motor. Economical operating.

An extremely practical outfit that saves you hours of time and labor on every job! Completely equipped—Usually sells for \$50 to \$65! Covers evenly and thoroughly. 3 cu. ft. size. Mounted as a unit on heavy 20x10 in. steel base. Includes motor, compressor, air chamber, 1-qt. aluminum paint cup, pressure type gun with 2 tips and 2 air caps, 15 ft. of high pressure hose, and V-belt drive on castor-mounted base. Highest quality—not to be compared with the ordinary 1/4 H.P. spray outfit—The COMMANDER is an aristocrat among sprayers and a top notch performer. Operates on 110-120-volt, 60-cycle A.C. Shpg. wt., 68 lbs.

99 PM 5635—Complete as illustrated **\$37.50**



\$89⁵⁰

COMMANDER 1/2-H.P. HEAVY DUTY SPRAYER

- Powerful twin-cylinder air-cooled compressor. Maximum pressure, 50 pounds.
- 1/2-H.P. extra heavy duty motor. Efficient power at low cost.
- Two-gallon pressure feed tank maintains constant material supply.
- Mounted on heavily built truck. Easy to move about.
- Pressure type gun with two tips and two air caps.

The COMMANDER has extra capacity, is extra husky, gives a fine, smooth finish to all sorts of surfaces—on furniture, autos, building interiors, houses, trucks, and farm machinery. Also used for spraying insecticides and disinfectants. Will more than pay for itself in the service it gives and labor it saves! 4 1/2 cubic foot. Twin cylinder air compressor. Pressure type gun has 1-quart aluminum paint cup, 2 tips, and 2 air caps. 15 foot, 2-ply pressure hose, and 10 foot electric cord. Feed tank has 15-foot air and 12-foot material hose. Uses 110-120 volt 60-cycle A.C. Over all size, 24x15x12 in. An exceptional value in a heavy duty sprayer—one you cannot duplicate elsewhere. Shpg. wt., 140 lbs.

99 PM 5634—Complete as illustrated **\$89.50**

99 P 5632—Two-Gallon Pressure Feed Tank. Complete with 15-ft. air hose and 12 1/2-ft. material hose. Shpg. wt., 34 lbs. **\$9.45**

9 P 5639—12-ft. 3/8-in. material hose. Shpg. wt., 3 lbs. **2.50**

Easy Terms!
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\$20 OR MORE
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Reducing Valve and Gauge

Valve reduces and controls air pressure to below 50 lbs. so it can be used by gun. Graduated gauge registers air pressure accurately. Shipping weight, 1 pound.

9 P 5649 **60c**

Filter

Prevents oil, water, and other impurities from getting into the air stream. New, scientific design; gives trouble-free service! Unusually fine value. Shipping weight, 3 pounds.

9 P 5648 **\$5.50**

Air Hose

High-pressure type. Made to give long, hard service. Complete with fittings. Two or more lengths of hose may be coupled together. Shipping weight, 3 pounds.

9 P 5638—15-foot. **\$1.25**
1/4-inch air hose.

Spray Gun

Pressure type. Complete with 2 nozzles and 2 air caps. Scientifically built. Aluminum paint cup holds 1 quart. Today's best gun value! Shipping weight, 3 pounds.

9 P 5637 **\$6.50**

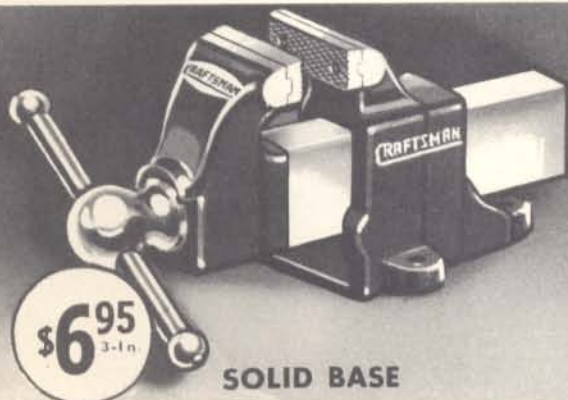
INDUSTRIAL SPRAY OUTFIT

Constructed especially for service stations, garages, factories, and other establishments having pressure air systems. Very useful, sprays everything!

\$12⁹⁵
Complete

Complete as shown with gun, 15-ft. hose, filter, gauge and reducing valve for regulating pressure to less than 50 lbs. Shipping weight, 14 lbs.

9 P 5633—Complete as illustrated **\$12.95**



\$6⁹⁵
3-in.

SOLID BASE

Built for Heaviest Machine Shop Work!

Compare these CRAFTSMAN machinists' vises with any other vises on the market and you will agree there are none better at any price. Extra heavy—extra strong. Gray enamel finish. Complete with bolts. Shipped freight or express. Shipping weights same as actual weights. 5 1/2-in. jaw size and larger shipped prepaid from factory in Southern Illinois. Smaller sizes carried in stock.

Cat. No.	Jaws	Open to	Weight	Price
99 PM 5150	3 -inches	4 -inches	22 lbs.	\$ 6.95
99 PM 5151	3 1/2 -inches	5 -inches	31 lbs.	7.90
99 PM 5152	4 -inches	6 -inches	41 lbs.	8.90
99 PM 5153	4 1/2 -inches	6 1/2 -inches	59 lbs.	10.85
99 PM 5154	5 -inches	7 1/2 -inches	78 lbs.	14.00
99 PM 5155	5 1/2 -inches	8 1/2 -inches	101 lbs.	21.00
99 PM 5156	6 -inches	10 -inches	130 lbs.	27.30
99 PM 5157	7 -inches	12 -inches	226 lbs.	38.50
99 PM 5158	8 -inches	13 1/2 -inches	299 lbs.	52.50

CRAFTSMAN MACHINISTS' VISES



\$8⁹⁵
3-in.

SWIVEL BASE

- Semi-steel body, reinforced where strength is needed.
- Every part accurately milled and fitted.
- Cold rolled steel screw and handle.
- Replaceable knurled tool steel jaws, heat treated and hardened.

Extra Heavy . . . Extra Strong Base Locks in Any Position

Built to stand up under hardest use. Swivel base locks securely in any position and withstood 33 1/2% more pressure than other makes in tests at Armour Institute. Gray enamel finish. Complete with bolts. Shipped freight or express. Shipping weight same as actual weights. 5 1/2-inch jaw size and larger shipped prepaid from factory in Southern Illinois. Smaller sizes carried in stock.

Cat. No.	Jaws	Open to	Weight	Price
99 PM 5160	3 -inches	4 -inches	27 pounds	\$ 8.95
99 PM 5161	3 1/2 -inches	5 -inches	36 pounds	10.50
99 PM 5162	4 -inches	6 -inches	51 pounds	11.90
99 PM 5163	4 1/2 -inches	6 1/2 -inches	69 pounds	14.00
99 PM 5164	5 -inches	7 1/2 -inches	95 pounds	21.00
99 PM 5165	5 1/2 -inches	8 1/2 -inches	123 pounds	26.60
99 PM 5166	6 -inches	10 -inches	147 pounds	36.40
99 PM 5167	7 -inches	12 -inches	254 pounds	49.00
99 PM 5168	8 1/2 -inches	14 -inches	345 pounds	68.00



NEW CRAFTSMAN DE LUXE COMBINATION LATHE

- Heavy duty SKF sealed ball bearings in headstock.
- Finest quality steel spindle and ram have No. 2 Morse tapers.
- Capacity over 36 inches between centers; 10-inch swing.
- Modern design—metal working attachments available.
- Steel ways maintain alignment of head and tailstock.



The massive bed and finely machined ways give accurate and positive alignment. Sturdy tailstock has large hand wheel and quill lock.

This new CRAFTSMAN Lathe is of superior design, built of finer materials. Its great weight, sturdy construction and fine workmanship have already earned for it ready acceptance in professional wood working and pattern shops. The headstock spindle rotates on the finest SKF ball bearings, has a right hand thread inboard and a left hand thread outboard—therefore you can accomplish outboard turning of large pieces without reversing your motor or lathe drive. The head and tailstock spindles are fitted with fine accurately ground No. 2 Morse taper centers. The headstock pulley is indexed so work may be evenly divided or fluted. We know of no lathe in its size which approaches it for value!

99 PM 2022—CRAFTSMAN De Luxe 10x36 in. Lathe. Shipping weight, 130 pounds.....\$23.95

9 P 2096—Sanding Table for use with DeLux Lathe above. Similar to No. 9 P 2251 illustrated on page 15. Table adjustable from 90 to 45 degrees. Shpg. wt., 5 lbs.....\$2.75

Easy Terms
ON ORDERS OF
20 OR MORE
- SEE INSIDE
FRONT COVER

SPECIFICATIONS

Equipment: Four step, 1/2-inch bore motor pulley cup and spur centers, wrench, and finest quality Vee belt. Metal working attachments available.

Power Recommended: 1/2-H.P. See pages 38 and 39 for complete description and prices.

Compound Rest: Available. Exceptionally fine; mounted on traveling carriage. Makes it easier to produce highly accurate work (See No. 9 P 2094 sold separately and listed as an accessory below).

Headstock: New type; covers pulley and belt for added protection. Large size and careful design insure easy belt shifting to obtain correct speeds.

Tailstock: Fitted with accurately ground steel ram and an automatic knock-out device for removing the No. 2 Morse taper centers and arbors easily and quickly.

Headstock and Tailstock: Fitted with No. 2 Morse taper sockets for removable centers and arbors.

Tailstock Hand Wheel: Large size. Chromium plated; prevents rust.

Max. Center to Center Distance: Over 36 inches. **Bed:** New and modern design produces exceptional sturdiness and rigidity and is fitted with semi-circular steel ways, precision ground and polished. These fine ways guarantee perfect head and tailstock alignment.

Spindle Nose: 1-in. diameter; 8 threads per inch.

Spindle Bearings: Heavy duty SKF, sealed against dust and abrasive materials.

Spindle: Outer end is 1 inch in diameter and has 8 left hand threads per inch, eliminating necessity for reversing motor or drive when turning large pieces on the outboard end of spindle.

Hole Through Headstock Spindle: 5/8 inch. **Swing:** 10 inches.

Over All Length: 56 inches.

4-Speeds: 700, 1300, 2300, 4300 R.P.M.

Headstock Pulley: Indexed in 60 divisions.



Independent Chuck

(A) Four sturdy reversible jaws firmly grip objects of almost any shape. 4 inches in diameter. Fine quality—accurately ground. Shipping weight, 4 pounds. 9 P 2138.....\$4.85

Face Plates

Fit 1-in. 8-thread spindle.
(B) 9 P 2085—Diameter, 3 1/2 inches. Shpg. wt., 2 lbs.....\$1.20
(C) 9 P 2086—Diameter, 9 inches. For metal or wood-working. Shipping weight, 6 pounds.....\$2.45

Lathe Centers and Arbors

No. 2 Morse taper shanks. Accurately ground and hardened. Finest quality.

(D) 9 P 2107—Spur Center. Shipping weight, 7 ounces.....65c
(E) 9 P 2101—Cup Center. Shipping weight, 7 ounces.....65c
(F) 9 P 2111—60-Degree Center. Shipping weight, 7 ounces.....65c
(G) 9 P 2115—Screw Center. Shipping weight, 14 ounces.....95c
(H) 9 P 2125—Arbor and 1/2-in. Chuck. Shpg. wt., 1 lb. 8 oz.....\$1.19
(J) 9 P 2163—Arbor for grinding, etc. Shipping weight, 13 ounces.....89c
(K) 9 P 2161—Adapter Sleeve to change from No. 2 to No. 1 Morse taper arbor. Shipping weight, 5 ounces.....75c

CRAFTSMAN Chisels and Gouges

Highest quality tool steel 4-in. blades. Carefully tempered; keep a keen edge. 8-in. handles. Shipping weight, 13 ounces.

(L) 9 P 2850—1-in. wide.....59c
(M) 9 P 2851—1-in. wide.....69c
(N) 9 P 2852—1-in. wide.....85c
(O) 9 P 2856—1-in. wide.....59c
(P) 9 P 2858—1-in. wide.....59c
(Q) 9 P 2862—1-in. wide.....50c
(R) 9 P 2863—1-in. wide.....85c
(S) 9 P 2854—1-in. wide.....59c

Compound Tool Rest

(R) New! Modern! The finest compound rest we have ever seen for a combination lathe. Mounted on a carriage having 6-in. travel. Angular travel, 2 1/2 in.; cross feed travel, 5 in. Feed collars and angular scale accurately graduated. Precision built. Shipping weight, 29 lbs. 9 P 2094.....\$14.95

24-Inch Tool Rest

(S) Ideal for long work. With bed brackets. Shpg. wt., 10 lbs. 9 P 2095.....\$2.95

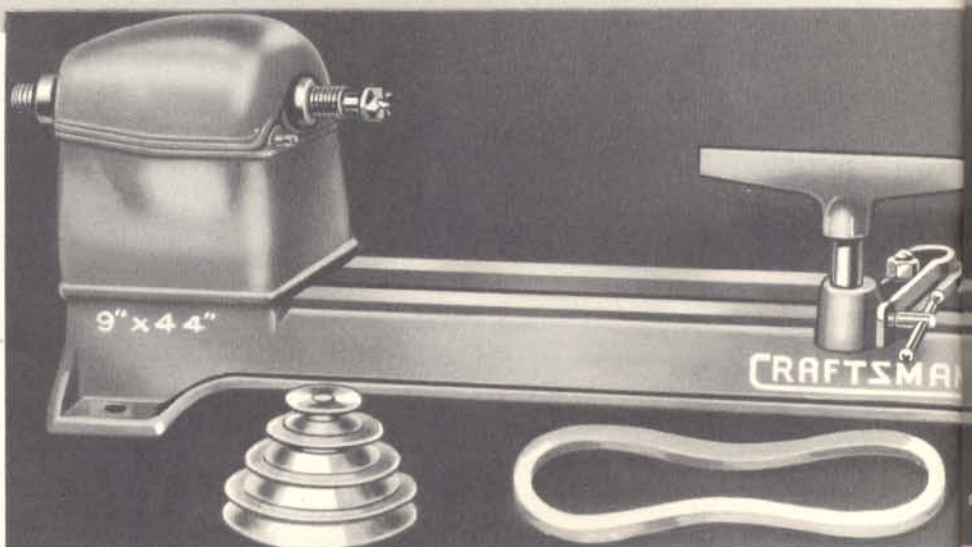
(T) Gives lathe tools a keen edge. Shipping weight, 12 oz. 9 P 6454.....45c

CRAFTSMAN 9-INCH SWING 44-INCH BED

REG. U.S. PAT. OFF.

FOR WOOD OR

- Double bearing headstock insures long life and permits large diameters to be turned outboard.
- Accurately ground spindle.
- Special auto-lubricating bronze bearings.
- Headstock ball thrust bearing insures smooth easy operation.
- Hollow headstock with $\frac{3}{8}$ inch hole, accurately ground to take No. 1 Morse taper centers and arbors.



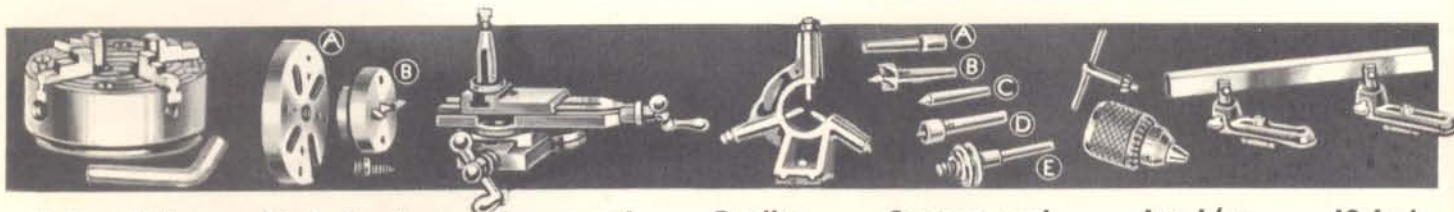
The Lathe That Sets the Pace . . . Value

Truly a Pacemaker . . . when it comes to UTMOST value in a lathe combined with a unique versatility that enables it to be used for wood or metal turning, you will make no mistake in selecting the CRAFTSMAN 9-inch Bench Lathe. It has the required capacity for most any job, due to its 9-inch swing and its 44-inch bed, with 30 inches between centers. It has the accuracy required for metal working for which it may be easily and economically converted through the purchase of a few low cost attachments.

Bearings are of the auto-lubricated bronze type, surrounded by oil reservoirs, and will give practically limitless service. Specially fitted and installed they seal the spindle journals from grit and abrasive dust insuring greater life and accuracy. Longitudinal thrust is absorbed by the ball thrust bearing in the headstock. Tailstock may be set over for turning tapers.

It is equipped with self-ejecting center and ram lock. As pulley is mounted between headstock bearings you can do outboard turning with this lathe. The big, heavy bed is rigid and well braced. It is carefully machined from close grained gray iron. Note particularly the large size, the extra weight and sturdy construction. It is a well thought out design and its many advantages make it a truly fine all-around lathe.

Headstock is designed to enable the operator to readily shift the belt to the desired step of the headstock pulley for the proper speed. Pulley is accurately indexed so that work may be accurately divided and flutes be correctly cut into spindles or columns. Headstock spindle has right hand threads inboard and left hand threads outboard, permitting the double threaded face plate 9 P 2090 to be used on either end of the spindle without the necessity of reversing the motor.



4-Jaw Independent Chuck

4-inch. Equipped with four reversible jaws that are rugged and well fitted. Supplied with a hexagonal key that is much easier to use than the square type. Supplied complete with back plate to fit our 9-inch CRAFTSMAN Lathe. Well made and a real value. Shipping weight, 4 pounds 4 ounces.

9 P 2156...\$4.65

High Grade Face Plates

(A) 9 P 2090— $\frac{5}{8}$ -in. wood or metal working face plate, nicely machined and balanced, double threaded, for either end of spindle, wood or metal work. Shpg. wt., 1 lb. 15 oz.\$1.35

(B) 9 P 2091—3-inch face plate with spurs, removable center and screw center. Shipping wt., 1 lb. 12 oz.95c

Compound Tool Rest

Precision built throughout! Feed collars graduated to one thousandth of an inch. Angular dial graduated to 180 degrees. Transverse feed, $\frac{5}{16}$ inches; angular or longitudinal feed, 6 inches. Quality and value! (For tool bits and holders see Page 17). Shipping weight, 19 lbs. 4 oz.

9 P 2168...\$11.95

Quality Steady Rest

For supporting extra long work in lathe. Fitted with best quality brass jaws! Very essential when turning long, slender pieces in the lathe. Very sturdy and convenient to use. Shipping weight, 3 pounds 10 ounces.

9P2178...\$3.25

Centers and Arbors

No. 1 Morse taper. Ground and hardened. Shpg. wt., each, 12 ounces.

(A) 9 P 2123—Tapered chuck arbor...59c

(B) 9 P 2106—Spur center...59c

(C) 9 P 2110—60-degree center...59c

(D) 9 P 2100—Cup center...59c

(E) 9 P 2165—Grinding arbor...75c

9 P 2132—Chuck for use with 9 P 2165 arbor...50c

Jacob's $\frac{1}{2}$ -In. Chuck

For use on arbor 9 P 2123 at left. Extremely high quality throughout. These chucks are famous for their accuracy and long life. When fitted with arbor may be used either in lathe head or tailstock. Capacity $\frac{1}{4}$ to $\frac{1}{2}$ inch. Shipping weight, 2 pounds.

9 P 2142...\$5.25

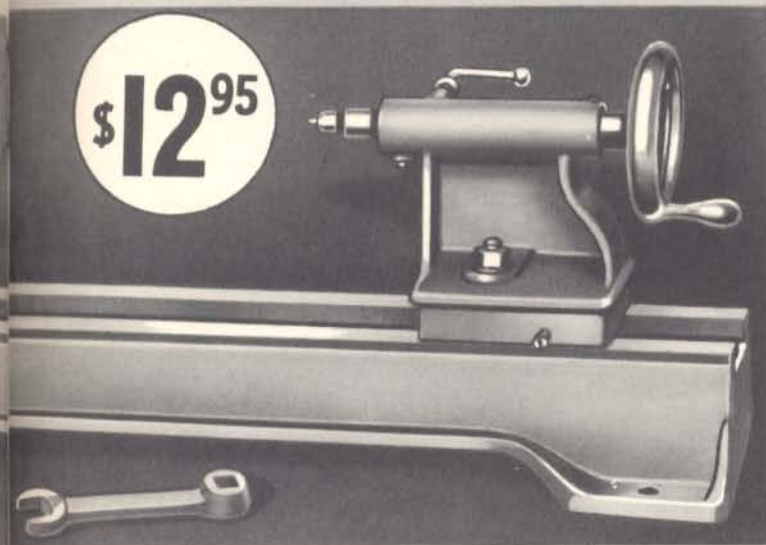
18-Inch Tool Rest

Well made throughout. Built for long service. Well machined and nicely finished. A great convenience when making long turnings such as table legs or lamp spindles. Readily adjusted for height. Complete with bed brackets. Shpg. wt., 6 lbs. 5 oz.

9 P 2173...\$1.75

BENCH LATHE

METAL TURNING



- Heavy gray iron bed, accurately milled and strongly webbed.
- Tailstock equipped with self-ejecting center, ram lock and set-over for taper turning.
- Four speeds ranging from 700 to 4000 R.P.M.—with jack shaft, 350 to 8600 R.P.M.
- Specially built headstock guarantees accuracy, rigidity and easy belt shifting for the various speeds required. Pulley indexed for dividing.
- Can be equipped for metal turning.
- Belt, motor pulley and accessories others charge extra for are included and make this lathe an even greater value.

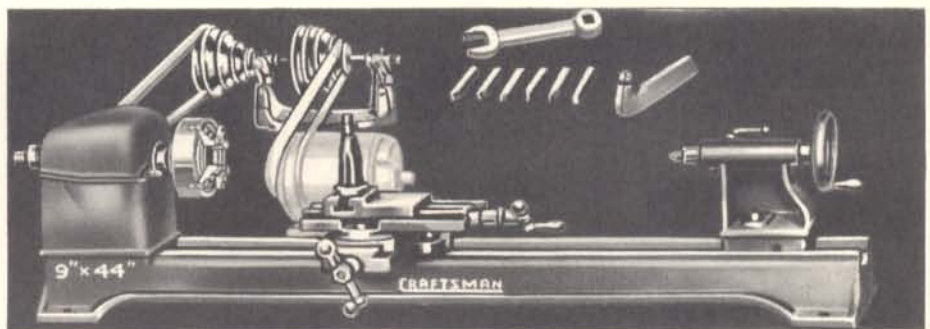
...Versatility

The extra size and capacity of this lathe makes it well adapted to metal spinning. Its swing is large enough that it is unnecessary to place a gap in the bed which would handicap the metal worker in bringing the compound rest up close to the headstock for various other operations.

Use 1/3-H.P. motor. See Page 39. Complete with 4-step motor pulley, "V" belt, 8-inch tool rest and No. 1 Morse taper spur and cup centers. Shpg. wt., 61 lbs.

99 PM 2019.....\$12.95

9 P 2250—Sanding Attachment. Fits on lathe bed with table adjustable for angle similar to No. 9 P 2251 illustrated on Page 15. Complete with bed bracket. Shpg. wt., 5 lbs.. \$2.75



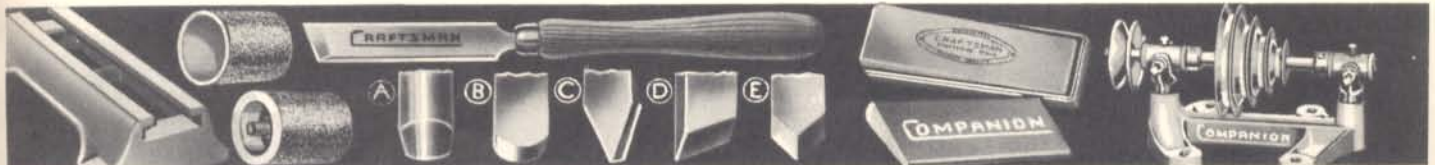
Complete Metal Working Outfit

This fine metal working outfit includes our excellent CRAFTSMAN 9-in. swing lathe, an exceptionally high quality compound rest having collars graduated to one-thousandth of an inch, angular dial from zero degrees to 180 degrees, longitudinal feed of 6 inches and a transverse feed of 5 3/16 inches, complete with production type tool post, tool holder, six tool bits ground ready for use, wrenches, multiple speed jack shaft and sturdy 4-inch 4-jaw chuck, belt, pulleys and 60 degree center.

Shipping weight, 93 pounds.

99 PM 2020—Complete Outfit.....\$33.50

Easy Terms!
ON ORDERS OF
\$20 OR MORE
SEE INSIDE
FRONT COVER



Lathe Bed Extension

A mighty handy accessory that allows you to turn out work of any desired length on your lathe. 15 inches long. Sturdy—well machined. Well made of the same quality heavy gray iron as bed of 99 PM 2019 lathe above.

Shpg. wt., 11 lbs.
9 P 2017.....\$1.85

Sanding Drum and Sleeves

The use of this drum on your lathe enables you to do a laborious sanding job in a hurry. Fits grinding arbor 9 P 2165. Diameter, 2 3/16 in.; 3 in. long. With adapter and sleeve. Shipping weight, 1 lb. 2 oz.

9 P 2520—Sanding Drum.....98c
9 P 2522—2 3/16-inch Sanding Sleeves. Coarse, medium or fine. State grade. Shpg. wt., 2 oz. Each.....10c

CRAFTSMAN Wood Turning Chisels and Gouges

Quality tool steel 4-in. blades. Carefully tempered; keep a keen edge. 8-in. handles. Shipping weight, each, 13 oz.

		Gouges	
A	9 P 2850	1/4 in. wide.....	59c
B	9 P 2851	1/2 in. wide.....	69c
C	9 P 2852	3/4 in. wide.....	85c
D	9 P 2856	1/2 in. wide.....	59c
E	9 P 2858	1/4 in. wide.....	59c
F	9 P 2862	1/2 in. wide.....	50c
G	9 P 2863	1 in. wide.....	85c
H	9 P 2854	1/2 in. wide.....	59c

CRAFTSMAN Sharpening Stone

Highest quality vitrified stone. One side medium grit for fast sharpening. The other side fine for giving smooth edge. Size 7x2x1 inches. Shipping weight, 1 lb. 8 oz.

9 P 6440.....\$1.25

COMPANION Slip Stone

This slip stone will give your gouges and other round shaped tools a keen edge that will bite through any kind of wood with ease. Medium fine grit. Shipping weight, 12 ounces.

9 P 6454.....45c

Bronze Bushed Jack Shaft Stand

Use this handy jack shaft stand to secure proper lathe speeds for metal working. Also useful on other tools for increasing or decreasing speeds. Bolt holes are spaced identically with those found on motors, permitting it to be used on motor bases of machines, etc., for greatest convenience. Complete with bronze bushed self-aligning bearings. Shpg. wt., 6 lbs. 4 oz.

9 P 2494—Specify 4-inch 4-step pulley.....\$2.45

Page 13



Built to Handle Big Jobs

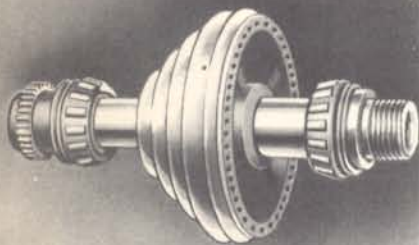
Realizing the need of the advanced and professional craftsman as well as of thousands of schools, pattern shops and woodworking establishments for a very fine wood-turning lathe, we developed the now famous CRAFTSMAN Universal Heavy Duty Lathe, an outstanding engineering development. We set the price so low that any one can now afford to own this lathe! In buying it you save at least 50%. In addition, you get a lathe that you can convert to a precision-type metal turning and screw-cutting lathe by adding the necessary parts and accessories! You can get the same metal cutting accuracy and durability in our Universal Lathe fitted with the units listed below, as in the best screw cutting lathe offered by any manufacturer near \$100.00.

Great care is used in machining, assembling and testing this lathe. Every job that can be handled on a wood turning lathe or on a metal working,

screw-cutting lathe can be done on the CRAFTSMAN Universal Heavy Duty lathe and its attachments. The heavy semi-steel bed with its broad, accurately machined ways, is husky enough to resist all torsional stresses.

The headstock is fitted with high quality selected Timken tapered roller bearings. These fine bearings are used in machine tools of the utmost accuracy, tools that sell for thousands of dollars, tools that are built for the hardest kind of constant service. They are the finest heavy duty bearings made and typical of the high quality of workmanship and material going into this fine tool. The spindle is 1½ inches in diameter and will pass a ¾-inch rod. The headstock pulley is accurately indexed.

The tailstock is heavy duty type, may be set over for tapers, and is fitted with self-ejecting No. 2 Morse taper cup center and coordinate ram lock.



Massive, specially designed headstock spindle fitted with heavy duty Timken precision roller bearings. This accurately made spindle accommodates No. 2 or No. 3 Morse taper arbors and centers. The nose has an accurately cut thread. The well balanced 4-speed pulley has 60 accurately spaced holes for indexing, dividing, etc. Large spring loaded indexing lock.

THESE UNITS WILL CONVERT YOUR UNIVERSAL LATHE

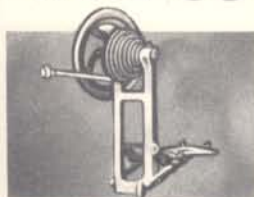


Metal Turning Outfit

This is an outfit that is essential for use in metal turning and we recommend that you include it in your order when buying parts necessary to convert your universal lathe to a metal turning screw cutting job. Fine quality accessories at a money saving price. Consists of two No. 2 Morse taper 60-degree centers, tool holder, 2 tool bits, 1-in. dog and 6-in. face plate.

Shipping wt., 4 lbs. 12 oz.

9 P 2068.....\$5.95

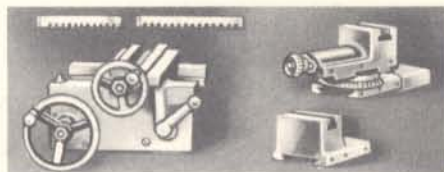


Countershaft Assembly.

A valuable addition to your lathe for metal working. Selection of 8 speeds: 170, 270, 430, 504, 680, 832, 1298, 2100. Low speeds are entirely practical for 2-in. cold rolled steel, 2½-in. cast iron or a 5-in. armature when used with the proper feed. Complete with fittings, ready to attach.

Shpg. wt., 24 lbs.

9 P 2072.....\$11.95



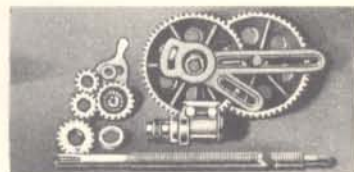
9 P 2074—Carriage and Rack Assembly. Carriage fitted with half nuts for later addition of lead screw. Has adjusting gib and locking gib.

Shipping weight, 20 lbs. 10 oz.....\$12.95

9 P 2070—Carriage Compound Rest. Fitted with adjusting gib, accurately calibrated 180-degree protractor, feed screw collar calibrated for .001-in. feed. Shipping wt., 7 lbs. 9 oz.....\$9.65

9 P 2066—Carriage Plain Rest. An economical unit for jobs not requiring swivel feature. Shipping weight, 5 lbs. 8 oz.....\$4.95

9 P 2064—Tool Post complete, for use with plain or compound rests. Shpg. wt., 1 lb.....\$2.00



Lead Screw and Feed Gears. Used with 9 P 2074 carriage and rack assembly (and 9 P 2066 carriage plain rest or 9 P 2070 carriage compound rest) produces longitudinal power feed to carriage of .0087 or .0043 in. per revolution of spindle. Power feed produces much smoother cuts because the carriage advances a regular amount for each revolution of the spindle. Reverse feed mechanism included. Complete with fittings for attaching to lathe.

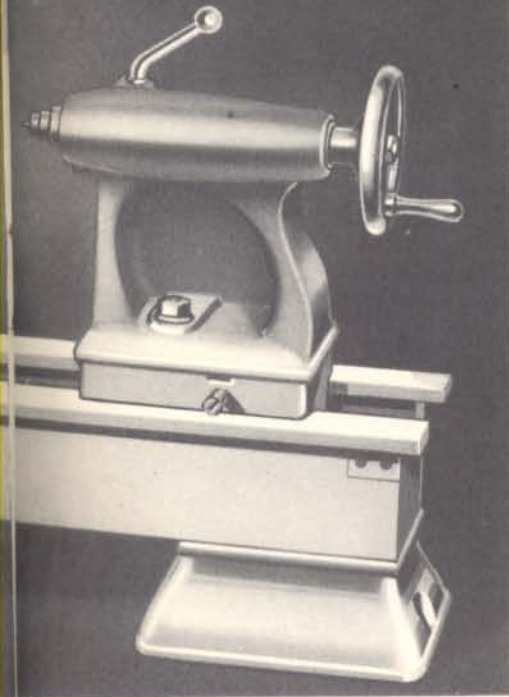
Shpg. wt., 16 lbs. 4 oz.

9 P 2060.....\$12.95

CRAFTSMAN

REC. U.S. PAT. OFF.

UNIVERSAL HEAVY DUTY LATHE



- Heavy, rugged, semi-steel bed; ways accurately ground and finely finished.
- Massive heavy duty headstock equipped with highest quality Timken dust-proof precision type roller bearings.
- Threaded hollow spindle, accurately machined for No. 2 Morse taper arbors and centers. Passes 3/4-inch rod.
- 4-speed pulley with 60-hole spindle indexing mechanism for dividing.
- Accurate spindle thrust adjustment.
- Heavy duty tailstock has exceptionally broad base. May be set over for turning tapers, has accurate witness mark, fitted with automatic center ejector and coordinate lock. Quill machined and ground for No. 2 Morse taper centers. Graduated along top.
- Wide speed range—575 to 2875 R.P.M. Countershaft and back gears give 16 speeds from 32 R.P.M. to 2100 R.P.M.
- Convertible for metal turning, screw cutting, milling, grinding, etc.



- (A) 9 P 2076—Direct Bed-Attached Compound Rest. Feeds calibrated to .001 in. Swivel to 180 degrees. 2 anchor studs. Shpg. wt., 24 lbs. \$13.25
- (B) 9 P 2494—4-Step Jack Shaft Stand. Decrease speed for metal working. It increases cutting power. Specify 5-in., 4 steps. Shpg. wt., 6 lbs. 4 oz. \$2.55
- Face Plates. 1 1/2-in. 8-thread. (C) 9 P 2097—3 1/2-in. Shpg. wt., 2 lbs. \$1.40 (D) 9 P 2098—6-in. Shpg. wt., 6 lbs. \$1.60



- (A) 9 P 2139—6-In. Independent Chuck. 4 reversible jaws. Fits 99 PM 2025. Shpg. wt., 8 lbs. 12 oz. \$9.45
- (B) 9 P 2142—1/2-Inch Jacobs' Chuck. Key chuck with special taper. Shpg. wt., 2 lbs. \$5.25
- (C) 9 P 2124—No. 2 Morse Taper Arbor. For Jacobs' chuck. Shipping weight, 7 ounces. \$7.5c



- (A) 9 P 2520—Drum Sander. Sleeve and adapter. Shpg. wt., 1 lb. 2 oz. \$9.8c
- (B) 9 P 2522—Sleeves. Fine, medium or coarse. Shpg. wt., 2 oz. Ea. 10c
- (C) 9 P 2251—Sanding Attachment. Used with lathe, sanding discs on page 40 and face plates above. Shpg. wt., 5 lbs. \$2.90
- (D) 9 P 2063—24-Inch Tool Rest. Complete with bed brackets. Shipping weight, 9 lbs. \$2.75



- Lathe Centers. With No. 2 Morse taper shank. Accurately ground and hardened. Shipping weight, each, 7 ounces.
- (A) 9 P 2107—Spur Center. \$65c
- (B) 9 P 2101—Cup Center. \$65c
- (C) 9 P 2111—60 Degree Center. \$65c
- (D) 9 P 2115—Screw Center. No. 2 Morse taper shank. Shipping wt., 14 oz. \$95c



- No. 2 Morse Taper Arbors.
- (A) 9 P 2125—With 1/2-in. chuck. Shpg. wt., 1 lb. 8 oz. \$1.19
- (B) 9 P 2163—For grinding, etc. Shpg. wt., 13 oz. \$89c
- (C) 9 P 2161—Adapter Sleeve. No. 2 to No. 1 Morse taper. Shpg. wt., 5 oz. \$75c
- (D) 9 P 2264—Tool Light. Shpg. wt., 1 lb. 12 oz. \$1.45

... Wood or Metal

The CRAFTSMAN Universal Heavy Duty Lathe is not only the finest wood working lathe we have ever seen but opens up entirely new fields. It grows with your shop! It actually gives you two lathes in one, because you can easily and economically add the necessary parts to your universal wood working lathe to convert it into a genuine precision type metal working and screw cutting lathe, doing so as is convenient and the need arises. All necessary holes for attaching these added parts are already drilled and tapped when you buy your Universal Lathe for wood working purposes.

The finer design, sturdier construction and exceptionally fine spindle mounted on heavy duty Timken bearings enable this lathe to handle metal spinning operations with greater ease than any other lathe we have ever seen.

SPECIFICATIONS

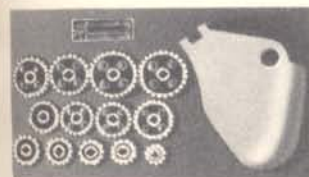
Swing over bed: 12 1/4 inches.
Length, over all: 54 inches.
Height, over all: 16 inches.
Depth, over all: 7 inches.
Max. distance between centers: 36 inches.
Number of speeds: 4.
Speed range: 575, 1035, 1725 and 2875.
Tailstock set over: 3/4 in.
Indexed headstock pulley: 60 positions.
Hole through spindle: 7/16 inch.
Spindle nose is 1 1/2-in. (8 thread).
Headstock spindle has No. 3 Morse taper (with sleeve to No. 2).
Tailstock has No. 2 Morse taper in ram.
Tailstock ram travel: 2 3/4 inches.
Tee rest length: 12 inches.

The CRAFTSMAN Universal Lathe is made for those who want the best, who prize fine tools and take pride in their ownership.

99 PM 2025 — CRAFTSMAN Universal Timken Bearing Heavy Duty Lathe complete with centers, belt, tee rest, wrench and motor pulley. Shpg. wt., 161 lbs. \$39.90

Easy Terms
ON ORDERS OF
\$20 OR MORE
SEE INSIDE
FRONT COVER

INTO A PRECISE METAL-WORKING SCREW CUTTING LATHE



Thread Gears and Chart. With power feed assembly, opens up whole new field of thread cutting possibilities. For cutting 4 to 80 threads per inch, (left or right) including pipe threads. Shipping weight, 4 pounds 4 ounces.

9 P 2056 \$5.95

Gear Guard Assembly. Offers maximum convenience and safety to operator. Complete with all fastenings and ready to attach. Shipping weight, 4 pounds 14 ounces.

9 P 2054 \$4.25

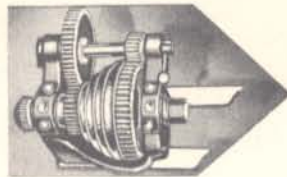


Thread Dial. Simplifies thread cutting by indicating when to engage carriage; prevents spoilage. Shipping weight, 5 ounces.

9 P 2052 \$1.50

Steady Rest. Brass jaws. Required for long turnings; assists in maintaining accuracy. Shipping weight, 7 pounds.

9 P 2050 \$4.25

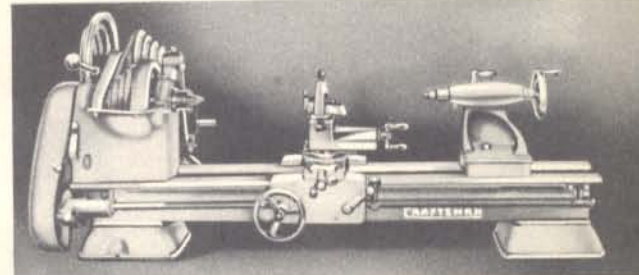


Back Gears. For attachment to special Timken bearing headstock lathe No. 99 PM 2025. With countershaft attachment, provides 16 speeds. Lowest speed, 32 R.P.M. Makes possible the greatest range and capacity of work for metal working lathe.

All necessary parts and fittings are supplied to fit the drilled and tapped holes of 99 PM 2025 lathe. Instructions furnished.

Shipping weight, 13 pounds.

9 P 2058 \$11.95



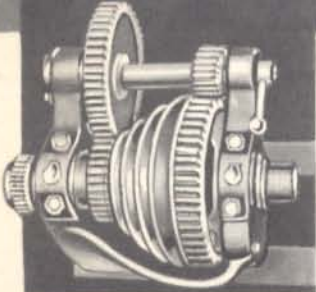
We believe the CRAFTSMAN Universal lathe and its accessories to be the most flexible group of lathe equipment ever offered. This lathe is the finest wood working lathe we have ever seen! Fitted with compound rest, centers, etc. it is an excellent armature lathe, or by the adding of other equipment it can be built into a most accurate screw cutting metal working lathe.



\$69⁵⁰
99 PM 2028

MASTER CRAFTSMAN

REG. U.S. PAT. OFF.



Large line reamed high speed babbitt bearings. Finest quality ball thrust bearing. Husky back gears and husky 16-speed headstock. Quality in every detail that invites comparison.

Modern Design—Finest Quality

This lathe typifies the fine workmanship and design of CRAFTSMAN tools. Since it was first introduced it has gained steadily in the favor of experienced lathe users. Thousands of these lathes are in daily use in factories, garages and homes. We believe it is so far superior to anything in its field that it will make many more new friends for the CRAFTSMAN name.

We have used materials and machining methods on this lathe which are the best available. Each step in the manufacturing process is under strict control and rigidly inspected. Each individual finished lathe before it is shipped must undergo a series of tests designed to insure accuracy and satisfaction. Accuracy to .001 inch guaranteed.

We invite—we ask—that you compare this lathe, feature for feature, specification for specification, with any on the market. Note the fully adjustable line reamed high speed babbitt main bearings. The 1 1/2-inch diameter main spindle and the self-contained belt countershaft and motor mount supplied as part of the MASTER CRAFTSMAN lathe and without additional cost.

Compare the specifications—we feel certain that if you want accuracy and precision combined with the most modern design, you will select the MASTER CRAFTSMAN lathe.

99 PM 2028—CRAFTSMAN 8-speed, 12-inch screw cutting lathe, 36-inch bed, 18 inches between centers with compact unit countershaft and high speed line reamed babbitt headstock bearings, compound rest, thread cutting gears and reversible feed, wrenches, belts, etc., all ready to attach motor and use. Shipping weight, 195 pounds. \$69.50

99 PM 2030—CRAFTSMAN 16-speed, 12-inch lathes. As above but also equipped with back gears. State size.

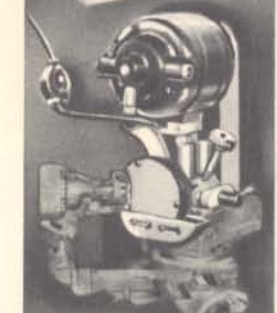
Bed Length	Cap. Between Centers	Shpg. Wt.	Less Motor
36 in.	18 inches	205 lbs.	\$79.90
STANDARD			
42 in.	24 inches	220 lbs.	\$85.00
48 in.	30 inches	230 lbs.	\$92.50
54 in.	36 inches	246 lbs.	100.00

SPECIFICATIONS

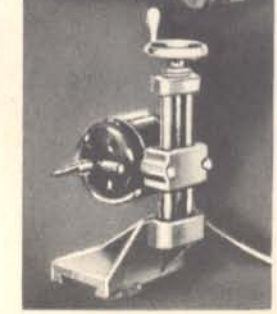
- Swing over bed: 12 1/4 in.
- Swing over carriage: 8 3/4 in.
- Maximum distance between centers: See table of bed lengths.
- Length over all: 45 in. (42-in. bed.)
- Height over all: 19 in.
- Depth over all: 25 1/2 in.
- Hole through spindle: 5/16 in.
- Spindle nose: 1 1/2 in. dia. 8 threads.
- Taper in headstock spindle: No. 3 Morse, sleeve to No. 2 Morse.
- Taper in tailstock spindle: No. 2 Morse.
- Number of speeds: 99 PM 2028, 8; No. 99 PM 2030, 16.
- Speed range: No. 99 PM 2028; 170, 270, 430, 504, 680, 832, 1298 and 2100.
- Speed range: No. 99 PM 2030; 32, 50, 74, 88, 120, 142, 170, 210, 270, 350, 430, 504, 680, 832, 1298 and 2100.
- Thread cutting range: 4 to 80, right or left hand.
- Lead Screw: 8 Acme threads per inch.
- Cross slide travel: 6 1/2 in.
- Compound rest angular travel: 2 1/2 in.
- Tailstock set over: 1/4 in. Has witness mark and graduated ram.



Milling Attachment
Complete as shown, with graduated swivel vise, V-block for holding cylindrical objects. Vise capacity: 2 1/2 in. Vertical feed: 2 3/4 in. Cross feed: 5 in. Has micrometer graduated feed screw. Angular swivel accurately graduated in degrees. Easily and quickly mounted in place of compound rest. Shipping weight, 13 lbs.
9 P 2993 \$13.50



Universal Tool Post Grinder
Grinds valves and cutters at any angle. Also pistons, bushings, reamers, valve stems, lathe centers. Undercuts mica. Complete with motor, external and internal grinding wheels, quill for internal grinding, 5 mica undercutting saws and diamond wheel dresser. Shipping weight, 24 lbs.
9 P 2998 \$42.50



Mica Undercutting Attachment
Fastens to back of carriage, out of way, yet can be put into action in a few seconds. When using undercutter it is not necessary to remove cutting tool or tool holder. Complete with motor, switch, cord and set of 5 undercutting saws. Shipping weight, 12 lbs.
9 P 2989 \$18.95



High Speed Steel Milling Cutters

A Angular Type. Carefully ground and well made. For use with threaded adapter supplied with holding collet. No. 9 P 2994 listed at right. For face milling or dovetailing. Shipping weight, each, 8 oz.			
9 P 2995—State size.			
Diam.	Thick	Hole	Price
1 1/4 in.	7/16 in.	3/8 in.	\$3.15
1 3/8 in.	7/16 in.	7/16 in.	3.50

B Wood-ruff Keyway Cutters. 1/2-in. shank. Well made and carefully ground. Shpg. wt. each, 8 oz.			
9 P 2996—State size.			
Diam.	Thick	Price	
1/2 in.	5/16 in.	\$1.65	
3/4 in.	3/8 in.	1.80	
1 in.	1/2 in.	2.20	
1 1/8 in.	5/8 in.	2.60	
1 1/4 in.	3/4 in.	2.90	

C R.H. Cut. R.H. Spiral End Mills. Shpg. wt., each, 8 oz.			
9 P 2997—State size.			
Diam.	Flute	Price	
1/4 in.	5/16 in.	\$1.10	
3/16 in.	1/16 in.	1.20	
1/2 in.	3/8 in.	1.80	
3/4 in.	7/16 in.	2.20	
1 in.	1 1/16 in.	2.60	
1 1/8 in.	1 1/16 in.	3.00	

Holding Collet
D For straight shank milling cutters. Furnished with 2 arbors, one to take threaded hole angular cutters, etc. Hand wheel type. Provides excellent means of holding milling cutters firmly and rigidly. Particularly valuable to those who are required to use many types of cutters with frequency. Shipping weight, 3 pounds.
9 P 2994 \$5.65



CRAFTSMAN Micrometer
A Made in U. S. A. to highest standards of accuracy. Graduated by 1/1000 of an inch. Lock nut, adjustable anvil; decimal equivalents on frame. Shpg. wt., 8 oz.
9 P 4069—0 to 1 inch. . . \$7.15

Center Rest Chuck
B Use in tailstock spindle to hold centerless armatures. Shipping wt., 3 lbs. 6 oz.
9 P 2991 \$7.50

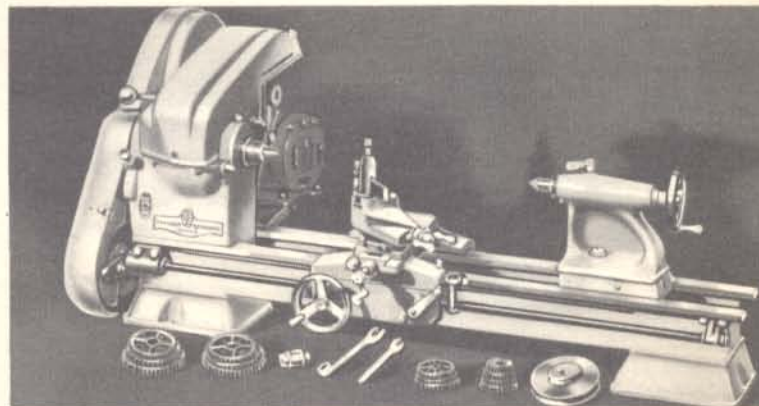
Chuck Arbor
C For use with center rest chuck in head or tailstock. Shipping weight, 10 ounces.
9 P 2126. . . 55c

Reversing Switch
D Essential when grinder is used on lathe. Permits changing direction of rotation of lathe spindle at will. Not for repulsion-induction motors. Shpg. wt., 7 lbs.
9 P 2992. . . \$5.95

12-INCH SWING SCREW CUTTING LATHES

Set a New Standard of Accuracy... Design
Smoothness... Power! Matchless in Value

- Countershaft is integral part of the lathe, a complete self-contained unit including motor mounting.
- Heavily reinforced semi-steel bed with precision-ground ways. Large box-type engine lathe legs insure firm foundation; heavy cross bracing prevents warping and resists torsional stress.
- Mogul type semi-steel headstock with high speed line reamed babbitt bearings. Adjustable laminated shims. Equipped with heavy duty ball thrust bearing.
- Rugged semi-steel tailstock has setover for taper turning.
- Tailstock fitted with center ejector and co-ordinating ram lock, with ram graduated in sixteenths of an inch.
- Back gears are 12-pitch $\frac{7}{8}$ -in. face special type, giving power to spare. Fitted with lock and handy lever to bring gears into mesh.
- Non-slip V-belt drive with adjustable belt tension and release lever provides sixteen speeds. Belt tension may be adjusted in 5 seconds.
- Heavy semi-steel carriage has adjustable gibs for take-up, positive lock, threading dial, etc.
- Compound rest swivels and locks at any angle and is graduated in one degree divisions from 0 to 180°.
- Gears furnished to cut all standard right and left hand threads from 4 to 80, including Vee pipe thread.
- Reverse gear controlled by convenient lever at left of headstock for quickly reversing lead screw. (See lever in guard.)
- Gears furnished to cut all standard threads 4 to 80 per inch.



MASTER 16-Speed CRAFTSMAN DeLuxe Lathe

\$99⁵⁰

36-in. Bed Length
Less Motor

Sears lead again—bringing the finest of lathes into home, school, and professional shops. This lathe has all the quality features that have made our regular No. 99 P 2030 lathe the leader in its field PLUS new ideas never before offered in a lathe at this price. DeLuxe fittings throughout. Equipped with specially selected Timken tapered roller bearings for the highest accuracy and longest life.

These bearings are specially selected to maintain the alignment of the main spindle to the very closest limits. They will carry very heavy loads at slow speeds and yet operate perfectly at high speeds. The finest bearings we could secure, the type used in large machine tools selling for thousands of dollars. For those who want the best. Belt guards completely cover the headstock and insure safety to the operator. They may be readily raised to change speeds. A lathe of the finest quality, be sure to see it before you make your purchase.

99 PM 2032—Complete with selected Timken tapered roller bearings, guards and countershaft drive. **State size.**

Easy Terms!
ON ORDERS OF
\$20 OR MORE
—SEE INSIDE
FRONT COVER

Bed Length	Cap. Between Centers	Shpg. Wt.	Less Motor
36 in.	18 inches	235 lbs.	\$99.50
STANDARD			
42 in.	24 inches	250 lbs.	\$110.00
48 in.	30 inches	260 lbs.	\$118.00
54 in.	36 inches	276 lbs.	125.00

Over \$50 Extra Charged by Others for

- Adjustable V-Belt Drive
- V-Belt Headstock
- 40-80 Thread Gears
- Threading Dial Indicator
- Tool Holder and Bit
- Indexed Headstock Pulley
- Two-Speed Motor Pulley
- Graduated Tailstock Ram

All furnished without extra charge on the MASTER CRAFTSMAN Lathe.

The 12-inch swing and high speed line reamed babbitt bearings are not available on any lathe near our price.

HEADSTOCK: Semi-steel, precision milled and machined. Bearings filled with special high speed babbitt; head mounted on bed. Bearings are bored and line reamed in a massive precision fixture which guarantees accurate alignment with bed. Be sure the lathe you buy has such fine babbitt filled bearings with double screw caps as used on the world's finest tools.

BED: The heavy bed is given a rough milling cut, seasoned thoroughly, milled and ground to a fine accurate surface, checked for accuracy, finished and finally rechecked with Brown & Sharpe master surface plates. Care that assures you accuracy and satisfaction.

SPINDLE: Finest special alloy steel. Fitted with ball thrust bearing. Special machining operations guarantee accurate threading and concentricity of bore.

TAILSTOCK: Semi-steel, accurately aligned with headstock by special arbor. Actual test cuts on lathe must show less than .001 in. error.



A Tool Light
Throws the light exactly where you want it. Keeps it out of your eyes. Has flexible neck and extra large reflector. Complete with cord and plug. Shipping weight, 1 lb. 12 oz.
9 P 2264...\$1.45

B Center Gauge
For testing lathe centers and setting threading tool. Tempered steel. Shpg. wt., 1 oz.
9 P 4064...40c

C Center Drill
With countersink. High grade steel. $\frac{1}{2}$ or $\frac{3}{8}$ -in. diameter. State size. Shipping weight, 1 oz.
9 P 2061...25c

D Follower Rest
For jobs requiring a long cut on small diameters. Fastens to back of carriage — follows cutting tool. Shipping weight, 4 pounds 4 ounces.
9 P 2988...\$2.45

E Face Plate
 $\frac{8\frac{1}{2}}$ inches in diameter. Shipping weight, 6 pounds 4 ounces.
9 P 2087...\$3.50

F Crotch Center
9 P 2114—Shpg. wt., 1 lb. **\$1.50**
G Micrometer Carriage Stop
Insures accurate facing and turning. Shipping weight, 9 ounces.
9 P 2185...\$3.25

H Drill Pad
9 P 2187—Shipping weight, 1 pound 2 ounces **\$1.50**

I 8-Pc. Tool Post Tool Set
High speed tool steel. Includes set of tool post spacers, $\frac{3}{8}$ -inch threading tool, $\frac{3}{8}$ -inch turning tool, $\frac{3}{8}$ -inch outside turning tool, 4 boring tools, $\frac{1}{16}$, $\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$ inch. Shipping weight, 1 pound 6 ounces.
9 P 2189...\$3.95



Tool Holders
Steel forgings, carefully finished. For $\frac{1}{4}$ -in. tool bits. Shipping weight, each, 13 ounces.
\$2.35
(A) 9 P 2198—Threading...
(B) 9 P 2202—Knurling Tool...
(C) 9 P 2192—Offset, Right...
(D) 9 P 2196—Straight...
(E) 9 P 2194—Offset, Left...
(F) 9 P 2200—Cut-Off...
1.00
1.00
1.50

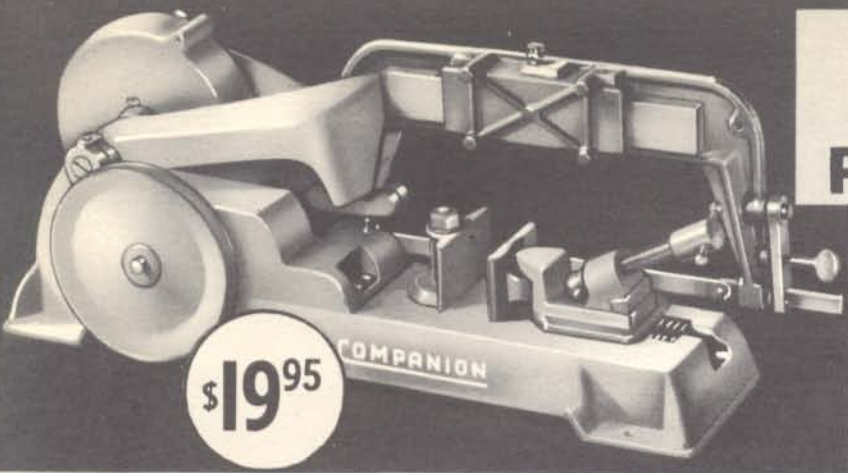
6 Formed Tool Bits
High speed steel, $\frac{1}{4}$ in. Shpg., wt., 6 oz. Set consists of:
(G) Threading Bit
(H) L. H. Facing Bit
(J) R. H. Turning Bit
(K) Round Nose Turning Bit
(L) R. H. Facing Bit
(M) L. H. Turning Bit
9 P 2205—Set of 6 **\$1.20**

N 5-in. Universal Scroll Chuck
Three jaws move simultaneously to firmly grip round or hexagonal work. Complete with 2 sets of jaws and adapter to fit spindle nose. Shpg. wt., 6 lbs. 11 oz.
9 P 2150...\$16.75
P 6-in. 4-Jaw Independent Chuck
Fitted with adapter for spindle nose. Shipping weight, 8 pounds 12 ounces.
9 P 2139—Each...**\$9.45**

R Steady Rest
For long, slender work. Brass jaws. Cap. up to 2 $\frac{1}{2}$ -in. Shpg. wt., 7 lbs.
9 P 2050...\$4.25
S Spindle Nose Chuck
Hollow, takes $\frac{1}{8}$ to $\frac{3}{8}$ -in. Replaces draw-in and collets. Shpg. wt., 4 lbs.
9 P 2144...\$9.00

T Lathe Dogs
9 P 2183—Drop forged. State size wanted.

Size	Shpg. wt.	Price
$\frac{1}{2}$ in.	4 oz.	40c
$\frac{3}{4}$ in.	6 oz.	50c
1 in.	7 oz.	60c
$1\frac{1}{2}$ in.	14 oz.	70c



COMPANION POWER HACK SAW

- Fine design. Draw cut with blade lifting mechanism increases blade life.
- Easy loading. Whole saw frame raises, leaving vise fully accessible.
- Heavy construction. Built to give years of reliable service. Blades last longer.

The Finest Tool of Its Kind Ever Built

For Factories, Plumbers, Electricians and Craftsmen

There has long been a demand for a power hack saw of this high quality. The price of such a tool has always been beyond the reach of the general user. By close cooperation with the manufacturer, careful design and thorough testing we have produced it to sell at a price that is amazingly low. Fully automatic in its action it permits you to complete other work while it accurately finishes its job unattended. A draw cut machine with an automatic relieving mechanism, it lifts the blade from the work on the return stroke increasing blade life and efficiency. Feature for feature, quality for quality this saw can only be compared with saws selling for several times its price. Shipping weight, 80 pounds.

99 PM 2294—Power Hack Saw \$19.95

9 P 6580—CRAFTSMAN 12-in. Power Blades. 14 teeth to the inch. $\frac{5}{8}$ inch wide. Shpg. wt., 1 lb. 2 oz. Per dozen 89c

Easy
Terms
ON ORDERS OF
20 OR MORE
- SEE INSIDE
FRONT COVER

SPECIFICATIONS

SAW FRAME: Takes any standard 12-inch blade. Massive steel guide. Raises completely out of the way when inserting new work.

SAW FRAME GUIDE: Heavy solid steel; frame is fitted with long life, ribbed, adjustable back plate.

SAW FRAME BEARINGS: Fitted with tapered adjusting screw to guarantee accurate saw alignment and true cutting of blade.

GEARS: Fine quality gray iron; accurately made, enclosed by guard.

VICE: Stationary jaw has lock and swivel; movable jaw swivels to fit work and has quick action rack with lock.

BEARINGS: Finest quality bronze; extra large and long lived.

BASE: Large and sturdy. Fine quality gray iron, accurately machined.

PRESSURE BAR: Adjustable to correct pressure for material being cut.

ACTION: Draw cut; blade raises on return stroke.

LIFTING DEVICE: Broad faced cam and lever mechanism combined with adjustable twin dogs and rack mechanism accurately controls lift of blade to produce a perfect draw stroke action.

CAPACITY: 4 in. x 4 in. iron, steel, brass or bakelite, etc.

ANGLE OF CUT: Vise adjustable from 90 degrees to 45 degrees.

BLADE TENSIONER: Screw and lever type; quick acting and accurate.



COMPANION UTILITY ARC WELDER

- Plugs in like lamp cord—no special wiring needed.
- Capacity: Will melt 300 in. $\frac{1}{8}$ in. welding rod per hour.
- Operates on 110-volt 60 cycle or 220-volt 60 cycle A.C. Use standard 30-ampere fuse.
- Has 4 heat control taps; genuine Bakelite control panel.
- Easily movable on heavy steel casters; machine is entirely enclosed for greater safety, durability.

At this amazingly low price anyone can now own a heavy duty electric arc welder—the home craftsman or the factory. Do your own repairing or building and save money! Weld automotive engine blocks, fenders, farm machinery, tanks, gutters, etc. Weld without removing the broken part from its place! The COMPANION Electric Arc Welder makes speedy, economical and enduring welds with ease. For all general purpose intermittent service. No experience necessary to operate it. With complete instructions, heavy electrode holder, welding helmet, 4 pounds assorted welding rods, cord, plug and welding cables as illustrated. Shpg. wt., 165 lbs.

99 PM 2005—COMPANION Arc Welder \$37.50

9 P 2006—Welding Rods. 5 pounds assorted, for use with welder above. Shipping weight, 5 pounds 8 ounces \$2.25

COMPANION ELECTRIC SPOT WELDER

- Plugs in like a lamp cord—no special wiring needed.
- Capacity: 2 pieces 20-gauge ($\frac{1}{32}$ in. or lighter) soft steel, sheet iron, tin, or $\frac{1}{8}$ -in. wire.
- Consumes only a small amount of current and only at instant of use.
- Operates on 110-volt 60 cycle A.C. only. Can be furnished for 220-volt A.C. on special order.
- Equipped with safety fuse.

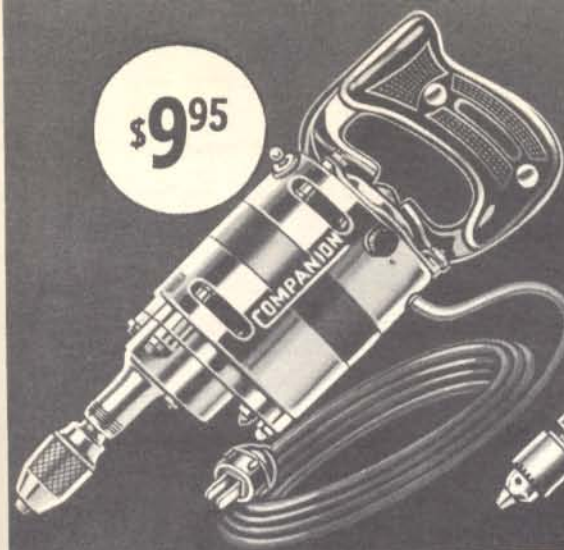
The handiest tool you ever saw for quick repair jobs and for all-around light spot-welding—no shop is complete without this COMPANION Electric Spot Welder. You can weld 20-gauge soft steel, tin, iron or $\frac{1}{8}$ -inch wire... no flux, acid or welding wire needed. With this machine you can make aquariums, bird houses, lamp shades, signs, toys, model-builders' knives, bird cages, etc. Turns out perfect welds with ease. Complete with foot pedal control.

99 P 2000—COMPANION Electric Spot Welder, complete, less stand. Shipping weight, 36 pounds \$22.95

9 P 2004—Butt Welding Attachment for welding wire, extension shanks on drills, etc. Not illustrated. Shpg. wt., 8 lbs. 2 oz. \$6.75

99 P 2002—Steel Stand, drilled and fitted for above welder. Disassembled for shipping. Shipping weight, 10 pounds \$3.15





\$9⁹⁵



\$17²⁵



\$29⁹⁵
1/4-In.

COMPANION UTILITY DRILL

a General Purpose Tool

- Universal motor for 110-120 volt A.C. or D.C.
- Spindle speed, approx. 1500 R.P.M.
- Triple reduction gears; give extra power.
- Ball bearing end thrust.
- Has pistol grip and toggle switch.
- Takes drills up to 1/4 inch.

A sturdy, dependable drill for general work around the shop, garage and home. Light—but it packs lots of power! Compact and well balanced, it runs smoothly and efficiently. Well made of quality materials this COMPANION Drill will give excellent service. This drill represents the most service and satisfaction ever offered anywhere near this price. A fine tool for the home shop. Equipped with 3-jaw chuck, capacity up to 1/4-inch drills. Has well made triple reduction gear train. Complete with rubber covered cord and plug. Shipping weight, 6 pounds 6 ounces.

9 P 2575.....\$9.95

COMPANION "PENCIL" DRILL

a Close Quarter Tool

- Dynamically balanced Westinghouse universal type motor.
- High quality ball thrust bearing on chuck spindle sealed in oil.
- Reducing gears accurately made of finest alloy steel, carefully heat treated.
- No load speed, 1200 R.P.M.
- Genuine Jacob's chuck takes straight shank drills up to 1/4 inch.

A handy lightweight drill with a removable handle that permits you to get into the most cramped quarters. Ideal for any job requiring a high quality light weight drill. Finely finished, accurately balanced; a handsome tool that you'll be proud to own, one that'll give you years of trouble free service. For use on 110-120 volt A.C. or D.C. Full load wattage of 125. Over all length, 12 1/2 inches. Complete with handy toggle switch and 8-foot rubber covered cord and plug. Shipping weight, 4 pounds 8 ounces.

9 P 2576.....\$17.25

CRAFTSMAN HEAVY DUTY

BALL BEARING DRILL

- Dynamically balanced Westinghouse heavy duty universal motor.
- Armature and chuck spindles run on oversize ball bearings, sealed in oil.
- Heavy double pole trigger switch.
- Spindle, gear and pinion are chrome nickel steel, accurately made and heat treated for great strength and long life.

Designed to have plenty of surplus POWER. We guarantee it will not stall when used with maximum size drill specified below. One of the finest electric drills made regardless of price. Operates on 105-120 volts A.C. or D.C. Fitted with genuine Jacob's key chuck, and 3-conductor rubber covered cord with plug. Over all length, 13 1/2 inches.

Cat. No.	Size Drill	No Load Speed	Shpg. Wt.	Price
99 P 2580	1/4 inch	2,000 R.P.M.	10 lbs.	\$29.95
99 P 2581	5/16 inch	1,500 R.P.M.	10 lbs.	31.50
99 P 2582	3/8 inch	1,000 R.P.M.	10 lbs.	34.75



\$29⁹⁰

COMPANION 1/2-Inch DRILL

An Outstanding Value

- Westinghouse Universal Motor, 110-120 volt A.C. or D.C. No load speed: 400 R.P.M.
- High quality ball thrust bearing on spindle.
- Double pole automatic releasing switch.
- Heat treated alloy steel gears, pinions, motor shaft and chuck spindle give longer service.
- Equipped with genuine Jacob's key type chuck.

Has all the features and more power than is found in ordinary drills selling for much more. A fine tool built by a manufacturer of long experience and best reputation. Has strong, handsome aluminum alloy housing. Self-lubricating "oilite" bearings. Ball thrust bearing. Westinghouse motor operates on A.C. or D.C. current, 110-120 volts. Complete with 1-in. Jacob's chuck and key, 10-foot 3-conductor rubber covered cord and plug. Length, 16 inches over all. Shipping wt., 14 lbs.

99 P 2584.....\$29.90

9 P 2593—1-Inch Grinding Arbor for use with electric drills (Do not use with wheels larger than 4-inch diameter.) Shipping weight, 6 ounces.....\$3.95

Easy Terms!
ON ORDERS OF
\$20 OR MORE
SEE INSIDE
FRONT COVER



\$46⁵⁰
1/2-In.

CRAFTSMAN Extra Heavy Duty Ball Bearing PRODUCTION DRILL

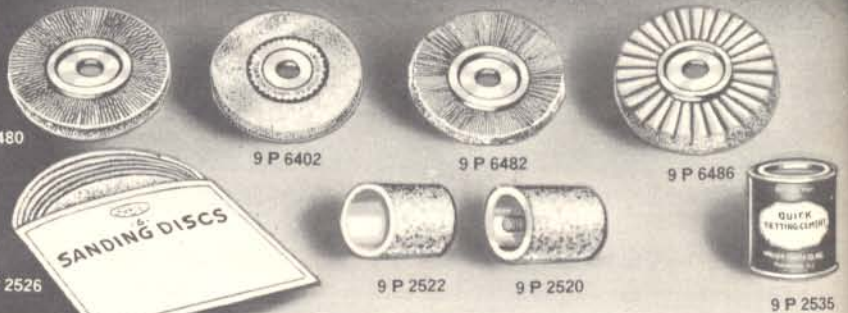
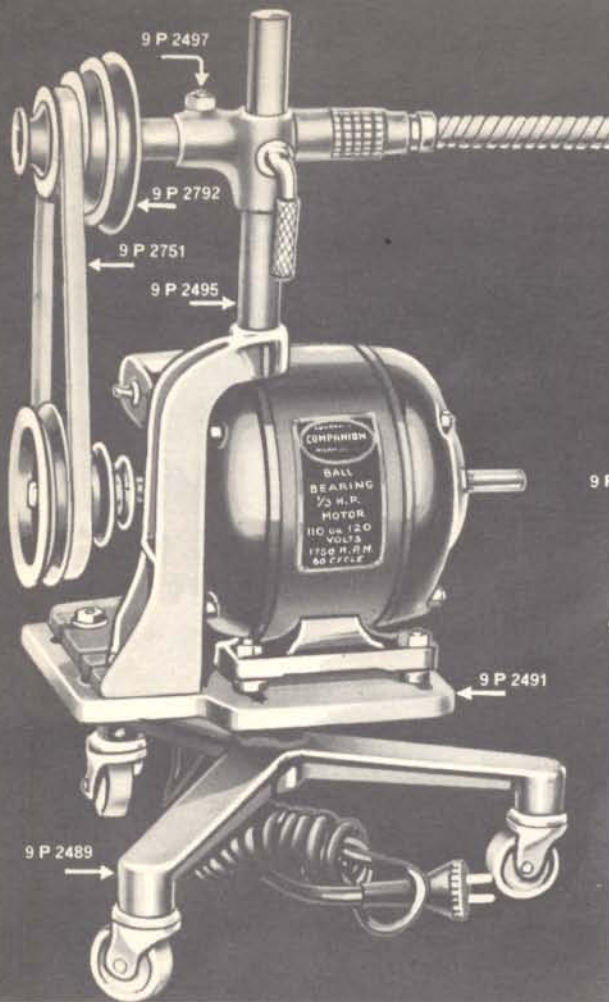
- Westinghouse extra heavy duty universal ball bearing motor, dynamically balanced.
- Highest quality alloy steel spindle, runs on heavy duty ball bearings sealed in oil.
- Equipped with Jacob's key chuck.
- Armature shaft runs on oil sealed ball bearings.
- Extremely high torque supplied through accurately made, heat treated triple reduction gears.
- Heavy double pole switch has continuous action catch.

Built for heaviest production work! Thousands sold for use in auto repair shops, factories and mills. We guarantee it won't stall on any job, when used with largest drill size specified. Fitted with finest heat treated alloy steel triple reduction gears to produce exceptionally high torque. Fine workmanship and materials assure you years of perfect operation. Operates on 110-120 volt current, A.C. or D.C. Full load wattage, 510. With Jacob's chuck, key and 10-foot heavy rubber covered 3-conductor cord and plug.

Cat. No.	Size Drill	No Load Speed	Shpg. Wt.	Price
99 P 2585	1/2 inch	750 R.P.M.	23 lbs.	\$46.50
99 P 2586	5/8 inch	525 R.P.M.	23 lbs.	52.50
99 P 2587	3/4 inch	475 R.P.M.	23 lbs.	56.50

The Tool of a CRAFTSMAN

REG. U. S. PAT. OFF.



STANDARD SPEED SHA

- Soft steel grease-tight casing with solid brass ferrule at each end. Plated and rustproof.
- Selected high tensile steel wire core, wound in alternate layers to form strong, compact, yet flexible drive of many layers.
- Steel ends of core and securely swaged.
- Casing fitted with sure easy operation.
- Adapter provided accessories having
- Wide range of speed

High Speed Shaft Outfits

Highest quality throughout. The handpiece is fitted with two sets high quality ball bearings. Motor is a powerful, specially designed 17,000 r.p.m. 110-volt Universal type (A.C. or D.C.) and is provided with hinged bracket. It is exceptionally well built and approximately 1/2-H.P. 50-inch flexible shaft is fitted with steel supports at ends. The casing is leakproof and covered with neat black impregnated cord cover. Standard accessories may be attached to the handpiece. An ideal outfit for high speed carving, grinding, etc.

9 P 2635—Complete High Speed Shaft; core, casing, motor coupling, heavy duty ball bearing hand piece and 17,000 R.P.M. ball bearing motor. Shipping weight, 12 pounds.....**\$24.25**

9 P 2634—High Speed Flexible Shaft Outfit, as above, but less motor. Shipping wt., 5 lbs.....**\$9.95**

9 P 2642—High Speed Motor only. For use with router or flexible shaft. Shpg. wt., 10 lbs.....**\$14.75**

9 P 2643—High Speed Motor Coupling only. For flexible shaft. Shipping weight, 1 lb. 8 oz.....**\$1.50**

9 P 2640—High speed collet chuck for use with flexible shaft. Supplied in 3 sizes to fit 1/8, 1/4 or 3/8-inch tool shanks. Specify size. Shpg. wt., 6 oz. Each.....**85c**

Portable High Speed Flexible Shaft

The high speed flexible shaft can also be made up for shop use as shown at the left.

9 P 2489—Base
9 P 2495—Support
9 P 2645—Headstock
9 P 2637—Handpiece
9 P 2639—Core
9 P 5608—Motor (page 39)

Other combinations can be made up to meet individual needs of the shop or job.

9 P 2638—Extra High Speed Casing. Shipping weight, 1 pound 4 ounces.....**\$3.75**

9 P 2639—Extra High Speed Core. Shipping weight, 1 pound.....**\$1.75**

Carving Cutters for High Speed Router

Accurately made high speed cutters of finest quality tool steel. For use on High Speed Router Attachment for CRAFTSMAN 24-inch Jig Saw.

9 P 2644—Specify item wanted. Shipping weight, each, 2 ounces.



On this page you will find described and illustrated the finest flexible shaft outfits ever built for anywhere near their price. No other tool ever made provides so much flexibility, speed, economy and convenience. Thousands of these outfits are in daily use for grinding, polishing, buffing, sanding, refinishing, paint removal, etc. Because of their great portability you can take these outfits right to the job. They roll easily on the ball bearing caster base. For use in the shop, the garage, the home, they have no equal. With these outfits you can perform a large number of diversified operations with ease and facility. Once you own one of these Flexible Shaft Outfits you will wonder how you were able to get along without it!

Every part of this outfit is built for service. No detail is skimmed . . .

EXTRA ATTACHMENTS MAY

	Shpg. Wt.	Price
9 P 2489 —Base with Casters.....	4 lbs. 8 oz.	\$1.10
9 P 2491 —Table for Portable Outfit.....	5 lbs. 14 oz.	.85
9 P 2497 —Support for Jack Shaft.....	4 lbs. 8 oz.	.85
9 P 2495 —Head Stock.....	1 lb. 7 oz.	1.10
9 P 2500 —Ball Bearing Hand Piece.....	1 lb. 8 oz.	1.10
9 P 2505 —Casing, 43-inch.....	2 lbs. 12 oz.	1.10
9 P 2510 —Core, 43-inch.....	1 lb.	1.10
9 P 2515 —Grip for Shaft.....	10 oz.	.25
9 P 2517 —Grinding Wheel Guard.....	1 lb. 6 oz.	.55
9 P 2130 —Drill Chuck, 1/4-inch.....	5 oz.	.23
9 P 6484 —Carbon Removing Brush.....	4 oz.	.50
9 P 2520 —Sanding Drum with Belt and Adapter.....	1 lb. 2 oz.	.98

9 P 2522—Sanding Belts for Drum
9 P 2239—6-in. Sanding Disc with
9 P 2526—Pkg. of 6 Sanding Disks
9 P 2535—1/2-Pt. Can Cement
9 P 2792—4-inch Four Step V Pulley
9 P 2751—Endless V Belt, 24-in.
9 P 2531—Sheepskin Polishing Pad
9 P 6490—6-inch Cloth Buffer
9 P 2537—Lubricant, per tube
9 P 6402—4x1/2-inch Grinding Wheel
9 P 6480—4-inch Coarse Wire Wheel
9 P 6482—4-inch Fine Wire Wheel



Grind Stones

5/8-inch shanks
(A) **9 P 6462**—MP11.45c (D) **9 P 6459**—MP5.45c
(E) **9 P 6461**—MP9.55c
(B) **9 P 6457**—MP3.45c (F) **9 P 6458**—MP4.45c
(C) **9 P 6460**—MP7.45c (G) **9 P 6463**—MP12.45c
Shipping weight, each, 3 oz.



9 P 2546—Ball Bearing Motor Coupling for attaching Standard Speed Flexible Shaft directly to motor. Equipped with high quality ball bearings. Shipping weight, 11 oz.....**\$1.15**



The Handiest Tool

One of the handiest tools in your shop. Has core of selected high tensile steel wire wound in alternate layers. The motor coupling is fitted with ball bearings. Included are 1/4-inch three-jaw chuck, chuck adapter and improved motor coupling, sanding disc wheel, package of assorted sanding discs, graphite lubricant, sheepskin polishing pad, 6-inch cloth buffer, 4x1/2-inch grinding wheel, flexible shaft casing and core, hand

Thousand Uses

FLEXIBLE SHAFT OUTFIT

\$18⁹⁵
Less Motor

\$27⁷⁰
With Motor



SHAFT and ACCESSORIES

carefully machined
braced on.

with ball bearings to in-
tion—long life.

ded to accommodate
ing standard 1/2-in. hole.

peeds.

no corners are cut . . . the quality is kept at Sears high standard down to the smallest part or accessory. The reason you can buy a Flexible Shaft Outfit from Sears for about HALF what others ask for similar quality is that we sell more outfits than any other distributor in the land. Our huge volume enables us to cut buying, shipping and handling costs. As a result you are sure of BIGGEST SAVINGS plus the HIGHEST QUALITY when you buy your outfit from Sears.

99 P 2475—Flexible Shaft Outfit shown above, with 7 1/2-ft. flexible shaft and accessories, but without motor. Shipping weight, 40 pounds. . . . **\$18.95**

99 PM 2476—Flexible Shaft Outfit as above, complete with COMPANION 1/2-H.P. ball bearing motor. Shipping weight, 66 pounds. . . . **\$27.70**

HEAVY DUTY Portable Shaft Outfit

One of the finest Heavy Duty Flexible Shaft Outfits ever designed for the garage, auto repairman, machine shop or wherever an exceptionally sturdy tool is required. Heavy 66-in. shaft is made with rubber covered steel casing that is permanently grease tight. High tensile steel wire core is 3/8 in. in diameter. Motor and jack shaft are supported by husky steel yoke which locks in any position instantly. Height is adjustable to suit work. Equipped with 1/2-H.P. COMPANION ball bearing 110-120-volt A.C. motor having speed of 3450 R.P.M. The step cone pulleys and adjustable headstock provide a wide range of speeds. Hand piece spindle revolves on high grade Timken bearings. In every detail a quality outfit that will handle heavy work with ease. Shipping weight, 165 pounds.

99 PM 2633—Heavy Duty Flexible Shaft Outfit, complete with ball bearing motor and caster stand. . . . **\$61.50**

99 PM 2632—Same as above, but without motor. Shpg. wt., 130 lbs. . . . **\$42.50**



BE PURCHASED SEPARATELY

	Shpg. Wt.	Price
Drum, Fine, medi-	2 oz.	10c
with Rubber Pad.	1 lb. 4 oz.	79c
Drum, 6-inch	5 oz.	25c
Pulley, 3-inch	1 lb. 2 oz.	30c
ing Pad, 3-inch	1 lb. 10 oz.	30c
F.	3 oz.	7c
be	4 oz.	7c
g Wheel.	3 oz.	19c
e Wheel.	7 oz.	33c
Wheel.	1 lb. 2 oz.	45c
	5 oz.	45c

	Shpg. Wt.	Price
9 P 6487—Floor Waxing Brush, 6-inch.	11 oz.	49c
9 P 2543—Drill Chuck Adapter.	6 oz.	30c
9 P 2533—Sheepskin Polishing Drum.	3 oz.	45c
9 P 6485—2 1/4-inch Wire Cup Brush.	4 oz.	49c
9 P 6486—6-inch Tampico Brush.	8 oz.	49c

9 P 2645—Ball Bearing Headstock similar to No. 9 P 2497 except fitted with heavy duty high speed ball bearings. For use with Standard and High Speed Shafts. Shipping weight, 2 lbs. 12 oz. . . . **\$4.95**

9 P 2637—Heavy Duty High Speed Ball Bearing Hand Piece, much heavier than No. 9 P 2500 for use with both Standard and High Speed Shafts. Shipping weight, 1 lb. 8 oz. . . . **\$3.25**



Best Motor Attachment Of All

grip, ball bearing handpiece, and rubber pad. Length, over all, 50 in. To double the length an extra core No. 9 P 2510 and casing 9 P 2505 may be added. Outfit does not include motor. Shipping weight, 8 pounds 12 ounces.

9 P 2630—Complete Outfit as illustrated. . . . **\$6.95**

9 P 2629—Outfit except accessories shown below shaft. Shipping weight, 4 lbs. 12 oz. . . . **\$4.95**

Additional accessories listed above.



Ball Bearing Angle Head

For use with either standard speed or heavy duty flexible shafts for sanding, buffing, polishing, etc. Equipped with 3 to 2 reduction gear and convenient handle for holding. Accurately cut and carefully hardened steel gears run in grease tight housing. A real value at this price!

Shpg. wt., 3 lbs. 8 oz. **\$14.95**
9 P 2646

Page 21



Heavy Duty Flexible Shaft

Heavy duty shaft only for attachment direct to any 1/2-inch 3450 R.P.M. motor shaft. Fitted with Timken bearing hand piece and work arbor at one end and motor coupling at the other. Shipping weight, 10 pounds.

9 P 2631 **\$15.95**

Low Priced Portable Unit

The heavy duty Flexible Shaft Outfit can also be made up in an economical unit as shown at the right from parts listed on this page. Motors on page 39.

- 9 P 2489**—Base
- 9 P 2491**—Table
- 9 P 2631**—Flex. Shaft
- 9 P 5608**—Motor

The heavy duty or standard speed flexible shafts should never be operated at speeds less than 1750 R.P.M. High speed shafts should be operated over 5000 R.P.M.



CRAFTSMAN

REG. U. S. PAT. OFF.

HEAVY DUTY SHAPER

The Finest Made! For Expert Shaping! Sanding! Jointing!

- Ball bearing spindle is fully adjustable and reversible.
- Sturdy, well ribbed table, nicely machined. Size, 14x10 inches.
- Heavy gray iron sub-base and frame.
- Latest approved type guard.
- Dust chute directs chips away from operator.
- Rugged adjustable motor bracket.
- Fence equipped with micrometer adjustment, insures accurate adjustment and permits shaper to be used as a jointer.

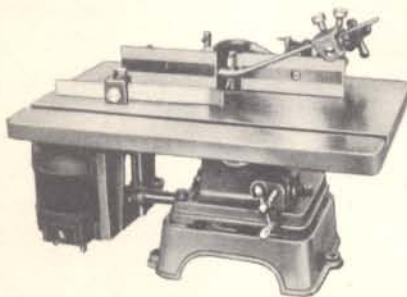


\$14⁹⁵

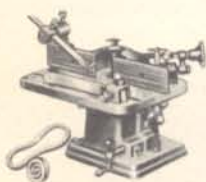
99 PM 2310

\$32⁹⁵

99 PM 2311



99 PM 2313—Shaper identical with 99 PM 2312 (listed at the right) except that it is fitted with large production type table, 15x21 in. Complete with sub-base, motor bracket, book of instructions, "V" belt, guard, guide and spring hold downs. Shipping weight, 67 lbs. **\$24.95**



At the left is a view showing shaper 99 PM 2310, without motor, sub-base or motor bracket. An economical arrangement, particularly suited to lineshaft drive.

With sub-base and adjustable motor bracket as shown in main illustration, you have the best possible arrangement for direct drive

When we state that this heavy duty shaper is the finest tool of its kind we mean just that! None of the copies of this fine tool possess its sturdy accuracy or excellent design. The thousands sold attest to its popularity. The finest of precision-type ball bearings for mounting the spindle insures smooth operation. Spindle speeds of 8,000 to 10,000 R.P.M. give best results. Spindle accommodates cutters with 5/16 or 1/2-inch hole. A turn of the ball crank lever on the side of shaper raises or lowers spindle for obtaining various types of cuts. Solid one piece steel spindle fitted with special safety lock may be operated in either direction. Table has groove for miter gauge and round metal insert for use with large cutters or sanding drum. Spring hold downs. Laminated wood-faced fence is of most advanced type; rugged, accurate and fully adjustable. Use 1/2-H.P. motor, 99 P 5617. See page 39.

99 PM 2312—Heavy Duty Shaper, sub-base and motor bracket, without motor, but with motor pulley, adjustable fence, "V" belt, spring hold downs and 72-page fully illustrated book of instructions. Shipping weight, 60 pounds. **\$18.95**

99 PM 2311—Heavy Duty Shaper, complete with 1/2-H. P. ball bearing motor, sub-base, motor bracket, 72-page fully illustrated book of instructions, "V" belt, guard, guide and spring hold downs. See main illustration at top of page. Shipping weight, 92 pounds. **\$32.95**

99 PM 2310—Same as above but less motor, sub-base and motor bracket. Illustrated at left. Shipping weight, 47 pounds. **\$14.95**

9 P 2465—Extra cutter lock nuts for use with any of the above shapers. Also fit all standard 1/2-in. arbors and spindles. Shipping weight, 1 ounce. Each. **5c**

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Quality Cutters at Lowest Prices

COMPANION MACHINE STAND

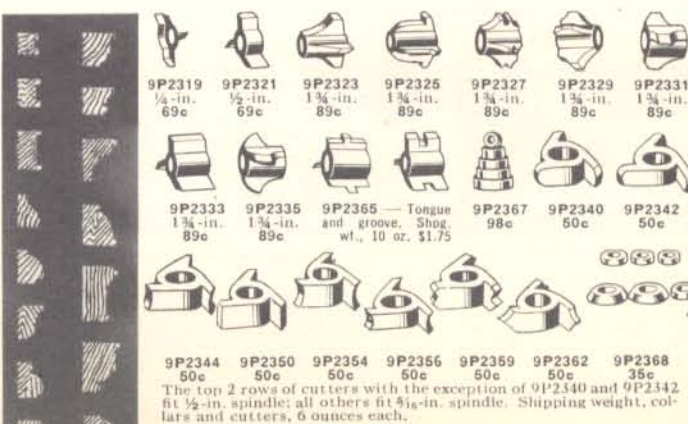
Mount your heavy duty shaper on this sturdy, all-metal stand. Extremely strong and rigid. Specify 10x21x31-in. size. For description see page 40. Shipping weight, 32 pounds.

99 P 2719..... **\$4.25**

COMPANION TOOL LIGHT

Clamps on shaper and gives you plenty of light right where you want it. Complete with 15-inch flexible neck, reflector, cord and plug. See page 2. Shipping weight, 1 pound 12 ounces.

9 P 2264..... **\$1.45**
Page 22



PROFESSIONAL FINISHES

Illustrating use of tongue and groove cutters 9P2365.

Showing how 2 patterns may be obtained from 1 style of cutter.

Pattern produced by a form-cutting cutter.

COMPANION DRILL PRESS

...Built for Substantial
Service...Low in Cost!

- Ball thrust-bearing absorbs spindle thrust.
- Universal type semi-steel head.
- Auto-lubricated bronze spindle bearings.
- Extra sturdy base serves as auxiliary table. Unusually heavy, rigid table.
- Spindle provided with stop collar for drilling a series of holes to same depth.
- Quill is graduated full 3 inches in $\frac{1}{16}$ -inch divisions.
- Quill provided with mortising collar. Uses standard attachments.
- "Feather-touch" clamp locks head to column.

A highly useful tool in any shop. Its fine design, quality construction and smooth operation have built for it an enviable reputation. Fully capable of handling mortising, shaping, carving, and routing as well as drilling. Wide range of 7 speeds allows efficient work to be done on either metal or wood. Precision-ground steel spindle is cushioned against thrust by high-grade ball thrust bearing. Extra large auto lubricated bronze bearings increase smoothness and long life. Quill of high quality steel, finely machined, accurately cut teeth mesh with wide faced steel feed pinion. Spindle unit balanced for ultra-sensitive feeding. Table is slotted and accurately ground. Can be had with idler assembly for lineshaft drive (see small illustration at right) at \$1.50 extra on original order only. If ordered later, see 9 P 2371 listed below.

99 PM 2378—COMPANION Drill Press, complete with "V" belt, 4-step motor pulley, and $\frac{1}{2}$ -in. 3-jaw chuck, less motor. Equipped with motor bracket. For idler drive add \$1.50 to selling price and specify "Idler Drive." Shipping weight, 70 pounds. **\$13.50**

99 PM 2373—Same as above but with COMPANION $\frac{1}{4}$ -H.P. 110-volt 60-cycle ball bearing motor. Shipping weight, 102 pounds. **\$23.25**

99 PM 2369—Same as 99 PM 2378 above but fitted with $\frac{1}{4}$ to $\frac{1}{2}$ -in. capacity Jacobs' chuck. Shipping weight, 70 pounds. **\$16.95**

9 P 2371—Belt and idler assembly only for lineshaft drive. (No credit for return of old motor bracket.) See 99 PM 2378 above for cost as original equipment. Shipping weight, 6 lbs. **\$3.25**

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SPECIFICATIONS

Over all height: 31 inches. Overall width: 9 $\frac{1}{4}$ inches. Over all depth with motor: 24 in. Maximum distance from table to chuck jaws: 7 $\frac{3}{4}$ inches. Maximum distance from base to chuck jaws: 10 $\frac{3}{4}$ inches. Spindle travel: 3 inches. Column diameter: 1 $\frac{1}{2}$ inches. Drills to center of 12-in. circle. Chuck capacity: $\frac{1}{2}$ inch. Table travel: 7 $\frac{3}{4}$ inches. Seven speeds: 700, 1075, 1300, 1725, 2300, 2760 and 4000. Size of table: 7 $\frac{1}{2}$ x7 $\frac{1}{2}$ in. Net weight: 65 pounds.

Hollow Chisel Mortising

Cut mortises quickly with perfectly square ends or drill square holes by using this equipment. Shipping weight, 3 lbs.

9 P 2461—Mortising Chisel Housing. **\$1.60**

9 P 2451—Collet Chuck for use with $\frac{3}{8}$ and $\frac{1}{2}$ -in. mortising bits. Shipping wt., 3 oz. **60c**

Hollow chisels and bits for use with 9 P 2461 mortising attachment. State size.

9 P 2420—Hollow Chisel. Sizes, $\frac{1}{4}$ in., $\frac{3}{8}$ in., and $\frac{1}{2}$ -in. Shipping weight, 5 oz. **\$1.35**

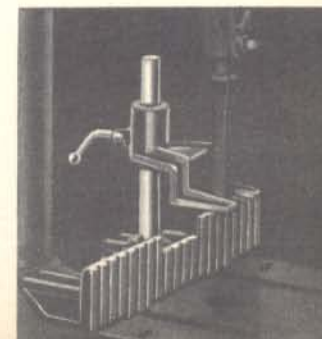
9 P 2422—Mortising Bit. Sizes, $\frac{1}{4}$ in., $\frac{3}{8}$ in., $\frac{1}{2}$ in. Shipping weight, 3 oz. **\$1.19**

Hold-Down Guide and Bracket

This accessory is indispensable in mortising, as it prevents the work from being lifted when chisel is raised. Adjustable guide insures straight line mortises. Shipping weight, 6 lbs. 8 oz.

9 P 2457—Hold-Down Guide and Bracket for Mortising. **\$1.50**

COMPANION Drill Press equipped with idler assembly



CRAFTSMAN Twist Drills

Finest quality, American made twist drills. The product of master drill makers. Seven sizes in each set: $\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$ and $\frac{3}{4}$ in. Shipping wt., 6 oz.

9 P 6686—Set of 7 High Speed Steel Twist Drills. Particularly recommended for use with drill presses and electric drills. **\$1.69**

9 P 6685—Set of 7 High Carbon Steel Twist Drills. **69c**

COMPANION Drill Vise

Increase the range of work your drill will handle with this high quality vise. Priced at about one-third what is usually asked for similar quality vises. Strongly built. Complete with two extra jaws, one for round or irregular work and swivel block jaw for tapered pieces. Oxidized, non-rusting finish. Accurately cut screw with knurled end for fast action and bar for locking.

Over all length, 10 $\frac{1}{2}$ in. 2 $\frac{1}{2}$ in. jaws open 3 in. Extra jaws included. Practically indispensable in handling tapered pieces and round objects such as pipe, rod, etc. Shipping weight, 5 pounds.

9 P 2436..... **\$1.98**

CRAFTSMAN ALL-PURPOSE

REG. U. S. PAT. OFF.

Exclusive New Improvements Make It a Greater

The CRAFTSMAN Drill Press not only produces fine mouldings, square or rectangular holes, dovetail joints, etc., when used with the correct attachments, but it performs all of its many operations more accurately, more smoothly and with greater ease. Its better design and finer construction guarantee this accurate, smooth and easy operation for years to come.

The CRAFTSMAN is a finer, more modern drill. Spindle whip was formerly the cause of rough operation in drills even as crankshaft whip used to cause roughness in automobile engines. Many attempts have been made to correct this evil—none successful—until Sears removed the fundamental cause of the trouble and evolved this new type of drive. A truly basic improvement. Spindle whip is caused by forces being transmitted through the pulley assembly to the spindle. Sears, knowing this, developed a new drill drive . . . the pulley is mounted on a long steel sleeve accurately fitted into the drill head . . . mounted independent of the spindle it transmits none of the undesirable stresses to it. A basic CRAFTSMAN improvement, imitated but not equaled. This method of construction produces the finest and smoothest running drill presses.

You will find illustrated below a number of accessories designed to widen the range of usefulness of your CRAFTSMAN Drill Press. Among them are routers—mortising routers, dovetail routers, router carving bits, etc.—cutters, spring hold downs, new type bronze bearing guide collars, etc. You can actually produce more than 50 different shapes of molding edges with Sears high quality cutters, all carefully manufactured so as to enable your drill to perform extra services and turn out the professional type of work which brings joy to the true craftsman. You will make no mistake in selecting the CRAFTSMAN Drill Press for your shop. We believe you will find it the most useful tool you own . . . inexpensive, versatile and a real favorite among your power tools.



Shaping Attachment

Large, 14½x18-inch finely finished plywood table, fitted with adjustable guard and guide. With hold down clips and fittings. Shipping weight, 17 pounds.

9 P 2430—Complete attachment for drill press. . . . \$6.95

9 P 2428—Guard and guide only. Shpg. wt., 4 lbs. 12 oz. \$2.35

9 P 2455—Spring clips only. Shpg. wt., 3 lbs. 14 oz. . . . \$1.50



COMPANION Drill Vise

Increases the range of work your drill will handle. Strongly built. Oxidized, non-rusting finish. Accurately cut screw with knurled end for fast action and bar for locking. 2½-in. jaws open 3 inches. Overall length, 10½ in. Complete with 2 extra jaws for round or irregular work, and swivel block jaw for tapered pieces. Shpg. wt., 5 lbs.

9 P 2436. \$1.98



Drill Press Adapter

For large size ½-inch bore shaper cutters shown and listed below. Inserted in knurled nut on drill spindle it is securely locked into place; see illustration on page 25. Shipping weight, 7 ounces.

9 P 2435. 79c



Multi-Speed Attachment

An exceptionally fine and useful attachment. Protected by patent. Lowest spindle speed, 200 R.P.M. See chart on next page. Can be attached or removed in 3 minutes. Both belt tensions are adjustable by means of a built-in cam action. Shpg. wt., 4 lbs.

9 P 2397—Complete slow speed spindle drive and 2 Vee belts, ready to use. . . \$4.95



(A) 9 P 2404 ¾-in. Mortising Router. . . . 75c	(B) 9 P 2405 1-in. Mortising Router. . . . 85c	(C) 9 P 2403 ½-in. Mortising Router. . . . 69c	(D) 9 P 2402 ¾-in. Mortising Router. . . . 59c	(E) 9 P 2400 ½-inch Router. . . . 50c	(F) 9 P 2401 ¼-inch Router. . . . 50c	(G) 9 P 2409 ¼-in. Dovetail Router. . . . 50c
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(A) 9 P 2410 ¾-inch Dovetail Router 50c	(B) 9 P 2411 ½-inch Dovetail Router 59c	(C) 9 P 2416 ¾-inch Router Carving Bit. . . . 75c	(D) 9 P 2415 ½-inch Router Carving Bit. . . . 75c	(E) 9 P 2433 Adapter for small cutters. . . 35c	(F) Set of 7 Twist Drills 9 P 6686 High Speed Steel. \$1.69 See page 23 for size, etc.	(G) 9 P 2322 1¼-inch Shaper Cutter 89c
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COMPANION Machine Stand

Heavy all-metal stand for your COMPANION Drill Press. Top 16x21 in. Exceptionally strong and rigid. Has handy lower shelf for tools. Specify 16x21x31-inch size. Shpg. wt., 39 lbs.

99 P 2719. \$4.95



COMPANION Tool Light

Designed especially for power tool use. Fits handily on your Drill Press to throw the light exactly where you want it. Extra large reflector keeps light out of your eyes. Complete with 15-inch flexible neck, reflector and cord and plug. Shipping weight, 1 lb. 12 oz.

9 P 2264. \$1.45

(A) 9 P 2331 Table and Rule Joint Bead Cutter. . . 89c	(B) 9 P 2335 Table and Rule Joint Cove Cutter. . . 89c	(C) 9 P 2333 Straight Face Cutter 89c	(D) 9 P 2367 Guide Collars. ½-inch hole 98c	(E) 9 P 2450 Collet Chuck for tapered spindles 75c	(F) 9 P 2142 ½-inch Jacob's Chuck for tapered spindle. Shpg. wt., 2 lbs. \$5.25
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Shipping weight of all items above is 6 ounces unless otherwise specified.

DRILL PRESS

Value Than Ever Before!

- Full floating spindle—belt pull is transmitted to head by means of large, deep-groove TWO-ROW SKF ball bearings.
- 5/8-in. spindle mounted in quill by means of two more sets of precision SKF ball bearings, absorbing all spindle thrust.
- Special guide construction eliminates rotational play in quill.
- Drills to center of a 12 3/4-inch circle.
- Smooth, uniform feeding assured by heavy ground steel quill with integral accurately cut teeth.
- Accurate indexed swivel table can be tilted to any angle.
- External depth gauge equipped with knurled lock nuts and is graduated in sixteenths of an inch.
- Base is machined to serve as auxiliary table.
- Equipped with 1/16 to 1/2-in. genuine Jacob's key chuck.

SPECIFICATIONS

Over all height: 36 inches.
Over all width: 10 3/4 inches.
Over all depth with motor: 24 inches.
Chuck: Jacobs geared type. 1/16 to 1/2-in. capacity.
Maximum distance, table to chuck jaws: 11 inches.
Spindle travel: 3 in. Spindle has splined drive.

Table travel: 11 inches.
Distance, chuck to base: 15 1/2 in.
Bearings: Deep groove SKF, 3 sets, 4 rows of bearings.
Steel column diameter: 2 1/4 in.
Number of speeds: 9.
Speeds: 600, 760, 1000, 1300, 1800, 2400, 3300, 4000, 5200 R.P.M.
Table size: 8 by 9 inches.

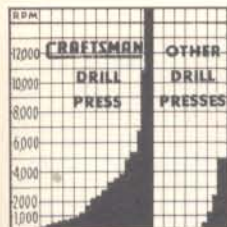
Built throughout of the finest materials, with all parts accurately machined. From the tip of its spindle to the carefully machined base it represents top-notch value. The genuine Jacob's chuck supplied as standard equipment is the most accurate obtainable. You can easily convert this press into an efficient spindle shaper. It may also be used for mortising, routing, sanding and dovetailing with equally fine results.

No one has ever offered a drill press with full floating ball bearing spindle at this low price. Three heavy duty deep groove S.K.F. ball bearings are used. The drive pulley is mounted on a heavy steel sleeve which is accurately fitted into a heavy duty double row SKF ball bearing which in turn is securely anchored in the main frame of the drill. The whole assembly is entirely independent of the spindle. Two rows of bearings in the pulley bearing and two large single row SKF ball bearings in the quill provide 4 rows of ball bearings in this fine tool. This construction insures a smooth, even flow of power from the motor to the spindle, and represents a real advance in securing smooth, accurate operation at all speeds. All spindle thrust is absorbed by two SKF ball bearings which carry the spindle within the quill. This quill is made of solid steel, accurately ground. The teeth for receiving feed pinion are milled into it. A quickly adjustable stop gauge indicates at all times the depth of holes being drilled.

99 PM 2380—CRAFTSMAN Drill Press, less motor. Complete with 1/2-in. Jacobs chuck and key, endless "V" belt, and motor pulley. Shipping weight, 84 pounds.....**\$24.95**

99 PM 2385—Same as above but with 1/4-H.P. ball bearing double shaft motor No. 99 P 5607. See page 39. Shpg. wt., 112 lbs. **\$33.70**

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The Right Speed For Every Job

The CRAFTSMAN Drill Press fitted with our patented multi-speed attachment will provide 21 different speeds ranging from 200 R.P.M. (half the speed of ordinary slow speed drills) to over 14000 R.P.M. See chart above. Low speeds for metal work, high speeds for carving, shaping, etc. Of these 21 speeds 8 are below 1000 R.P.M. and will take care of slow speed requirements. There are 11 more speeds between 1000 R.P.M. and 11000 R.P.M. This range of speeds assures you of finer results than can be obtained from any other drill. Another reason why CRAFTSMAN and COMPANION tools outsell all others.



6 Splined Drive Spindles

Automobiles have long been driven by these splined drive shafts because such shafts transmit power smoothly, are free from excessive back lash and last longer. For these very same reasons all of our drill presses are equipped with splined automotive type drive spindles made from the finest steel. While more costly than the key and keyway type of drive the splined spindle produces results which more than repay this difference. Spindle and pulley illustrated above. The internal and external splines are both produced by the most accurate methods and of the best materials.



Simplified Tapered Spindles

Accurately made spindles permanently installed in the drill by master machinists equipped with the finest tools and instruments run true and remain accurate. The lower end of the spindle (A) is tapered below the threaded portion. Such a taper will accommodate all accessories and is used on the finest precision tools. Wedge (E) may be used to remove chuck (D). The knurled ring (B) is threaded inside and is used to lock shaper adapter (C) or collet chucks in place. Accessories are thus installed in a manner that is approved by experienced precision tool makers everywhere.



Dovetailing Attachment

With this attachment dovetails that make perfect joints can be cut because both members are cut simultaneously. No special skill is required. Attachment consists of a steel comb, slotted to guide shank of router cutting to a pre-determined depth. End plates together with screw fittings for attaching the above guide or comb, clamps for holding work, and a 1/2-in. dovetail router are included. Corners of pieces to be dovetailed are attached in clamp and held in proper position. Shpg. wt., 4 lbs.
9 P 2462—Dovetail attachment set and instructions.....\$4.50



Hold-Down Guide

Indispensable in mortising as it prevents the work from being lifted when chisel is raised. Adjustable to control position of mortise. Keeps the work lined up and mortises straight. Bolts to regular drill press table. Easy to use. Adjustable for thick or thin material. Can be used on 99 PM 2380 and 99 PM 2387 Drill Presses. Shpg. wt., 6 lbs. 8 oz.
9 P 2457—Hold Down Guide and Bracket for Mortising.....\$1.50
9 P 6458—Special Mounted Grinding Point for sharpening hollow mortising chisels. Shpg. wt., 3 oz.....45c



Hollow Chisel Mortising

Cut mortises quickly with perfectly square ends or drill square holes by using this equipment.
9 P 2461—Mortising Chisel Housing. Fits any drill in this book. Used with collet chuck, chisels and bits listed below. Shipping weight, 3 pounds.....**\$1.60**
9 P 2450—Collet chuck for tapered spindle. Shpg. wt., 6 oz.....75c
9 P 2420—Hollow Chisel for above. Sizes, 1/4 in., 3/8 in., and 1/2 in. State size. Shipping weight, 5 ounces.....\$1.35
9 P 2422—Mortising Bit for above. Sizes, 1/4 in., 3/8 in., 1/2 in. State size. Shipping weight, 3 ounces.....\$1.19

CRAFTSMAN

REG. U. S. PAT. OFF.

HEAVY DUTY

With the Exclusive

A DRILL PRESS EQUIPPED WITH FOUR SETS OF THE FINEST BALL BEARINGS

A drill that sets a new standard of quality, smooth operation, fine design and rugged construction. The leader among finer tools. Yours at Sears low price—with a guarantee that's become famous over 50 years.

For the man who wants only the very finest of power tools and is satisfied with nothing less than that . . . for the shop having a production problem that only a really high grade drill press will solve . . . we recommend the CRAFTSMAN High Quality Heavy Duty Drill Press.

A desire for quality, the highest quality, something better than had ever been produced before was the motive force which prompted the design of this fine new CRAFTSMAN Drill Press.

Sears demanded a finer, more stable, more accurate, better balanced drill press than was available. It was therefore necessary for Sears engineers to design and develop such a drill press. An intensive study of drill press problems made it evident that none of the existing types of construction would relieve the major and fundamental troubles encountered in all current tools.

These investigations revealed the fact that the truly major difficulties encountered in all these drill presses could be traced to the undesirable forces imposed by the belt upon their spindles.

Lateral thrust from the motor and driving belt produces the bending moment or stress which is responsible for the various disagreeable vibrational characteristics common to all conventional drills. Therefore Sears mounted the driving pulley on a heavy tubular steel spindle which was supported on two sets of heavy duty deep row ball bearings in the drill head—entirely independent of the spindle. This unit absorbs all lateral thrust and transmits only a rotational force to the spindle. The spindle is also mounted in two sets of heavy duty deep row ball bearings within the quill as shown in the illustration on the page at the right. Be sure the drill you buy incorporates these fundamentally necessary features!

Accurate manufacture, fine balance of rotating parts, precision grinding of sliding parts such as the quill, etc., and careful assembly make this drill an especially fine tool. Produced by an old established manufacturer of highest quality precision equipment it represents a truly unusual value.

The drive spindles of these drills are splined in the same manner as the drive-shaft of your automobile. They are also provided with an accurate, easily read depth gauge graduated for the entire 4-inch feed range in $\frac{1}{16}$ -inch divisions. The depth gauge is also provided with knurled stop nuts. A very efficient quill lock holds the quill securely for routing and carving operations. Table is carefully machined and may be tilted to any desired angle.

Nine speeds, from 600 to 5200 R.P.M. are available. Included as regular equipment is a high quality $\frac{1}{16}$ to $\frac{1}{2}$ -inch Jacobs chuck with key. (If the 0 to $\frac{1}{2}$ -inch capacity is desired it is available on special order at an additional cost of \$1.00 for any model.)

When you order a CRAFTSMAN Heavy Duty Drill Press you get the finest power tool that money can buy in the drill press field. Built for real service, correctly built in every detail. Order yours TODAY. Use $\frac{1}{8}$ -H.P. Motor 99 P 5607; see Page 39.

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CRAFTSMAN HEAVY DUTY FLOOR TYPE DRILL PRESS

We are furnishing our CRAFTSMAN Heavy Duty Drill Press in floor type for use where available bench space is limited. In every detail it is of the same high quality as our 99 PM 2387 Bench Type. The sturdy base is designed not only to act as a foundation for the drill but is also finished, slotted and may be used as a drill table. Use $\frac{1}{8}$ -H.P. motor 99 P 5607. See Page 39.

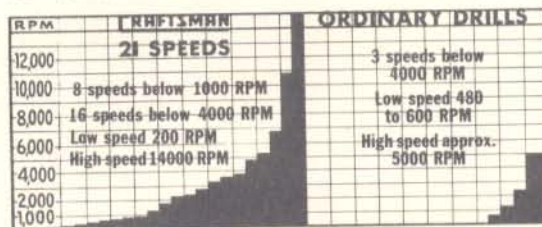
SPECIFICATIONS

Over all height: 71 in.
Over all width: 18 in.
Over all depth: 30 in.
Maximum distance from table to chuck jaws: 42 in.
Maximum distance from base to chuck jaws: 48 in.
Table travel: 41 in.
All other specifications are identical with 99 PM 2387.

99 PM 2392
CRAFTSMAN Floor Model Drill Press, less motor. Shpg. wt., 160 lbs. \$35.00

99 PM 2393—Same as above but with COM-PANION $\frac{1}{8}$ -H.P. Ball Bearing 110-120 volt, 60 cycle A.C. motor. Shipping weight, 188 pounds. \$43.75

Page 26



Proper Drill Speed Available for Every Kind of Work

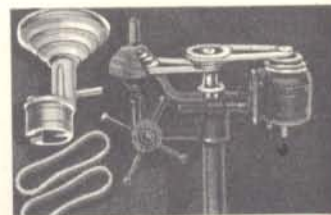
Ordinary drill presses have from 4 to 7 speeds ranging from slightly over 500 R.P.M. to about 5000 R.P.M. The low speed is too high for $\frac{1}{2}$ -in. carbon steel drills when cutting metals. The top speed is not fast enough if much shaping or carving is to be performed.

Drill presses called "slow speed" have a low speed of about 400 R.P.M.—not much slower than the regular drills.

The CRAFTSMAN drill press may be fitted with our patented multi-speed attachment which will provide 21 different speeds ranging from 200 R.P.M. (half the speed of ordinary slow speed drills) to over 14000 R.P.M. See chart above.

Of these 21 speeds 8 are below 1000 R.P.M. and take care of slow speed requirements. There are 11 more speeds between 1000 R.P.M. and 11000 R.P.M. This wide range of speeds will accommodate all specialty work, carving, shaping, etc.

This outstanding development is another evidence of Sears desire to more accurately serve their customers' requirements and to supply them with better tools.



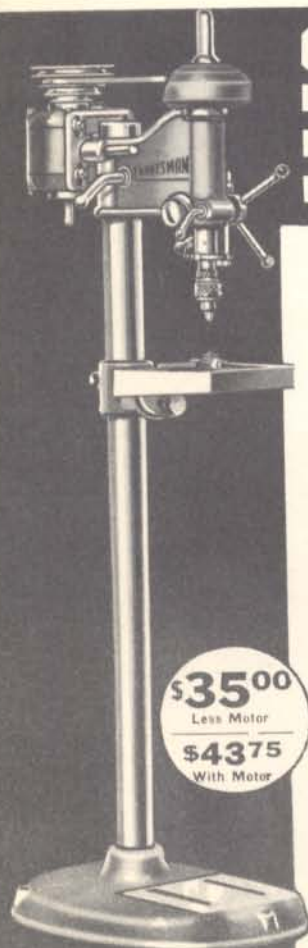
Multi-Speed Drill Press Attachment

An outstanding development and the finest drill speed attachment available. Even though the ordinary "standard speed" or even "slow speed" drills of other makes were fitted with three different motors (slow, 1140 R.P.M.; standard, 1750 R.P.M.; high speed, 3450 R.P.M.) their speed range would be much narrower than that of our CRAFTSMAN drills with this low cost attachment.

It saves time and tools. See speed chart and description at the left.

Finest ball bearing construction, designed so belt tensions are easily adjusted. Supplied complete with belts, etc., ready to use. Can be installed in less than three minutes. Shipping weight, 5 lbs.

9 P 2394 \$4.95



\$35.00
Less Motor
\$43.75
With Motor

DRILL PRESS

"Floating Drive"

- Equipped with genuine 1/2-inch Jacobs key chuck.
- Perfectly balanced automobile type splined drive spindle transmits a smooth even flow of power.
- Spindle drive pulley is mounted on steel sleeve which rotates on two S. K. F. deep groove ball bearings mounted in head, eliminating all transverse belt pull on spindle.
- 5/8-inch special steel spindle mounted in quill on two more sets precision type deep row heavy duty ball bearings.
- Heavy duty quill lock is of type used on most expensive machines; positive in action.
- Graduated depth gauge is milled flat and prevents rotational play in quill.
- New "Feather Touch" locking device secures head to column practically without effort.
- Table may be tilted to any desired angle.
- Longitudinal adjustment provided for between spindle and quill. Quality construction.
- Heavy steel tube column, 2 3/4-inch diameter, carefully machined and ground.
- Table and base are slotted for securing mortising and shaping attachments, jigs, fixtures, etc.

SPECIFICATIONS

Over all height: 41 inches.
Over all width: 11 3/4 inches.
Over all depth: 24 inches.
Maximum distance from table to chuck jaws: 13 in.
Maximum distance base to chuck jaws: 19 inches.
Spindle: travel, 4 inches,
6 automobile type splines.
Diameter of column: 2 3/4 in.

Chuck: 1/2-1 1/2-in. Jacobs.
Table travel: 13 inches.
Number of SKF heavy duty ball bearings: 4.
Number of speeds: 9; 600, 760, 1000, 1300, 1800, 2400, 3300, 4000 and 5200 R.P.M.
Table size: 10x10 in.
Drills to center of 15-inch circle.

99 PM 2387—CRAFTSMAN Bench Model Drill Press, with motor pulley, belt and 1/6 to 1/2-in. Jacobs chuck. Shipping weight, 105 pounds..... **\$29.95**

99 PM 2388—CRAFTSMAN Bench Model Drill Press, with motor pulley, belt and 1/4-H.P. 110-120 volt, 60 cycle A.C. motor. Shipping weight, 133 lbs..... **\$38.70**

0 to 1/2-in. Jacob's chuck available on special order, on original purchase of above drills at \$1.00 extra.

9 P 2394—Speed Reducer to convert above drill into slow speed model. Shipping weight, 5 lbs..... **\$4.95**



Easy ON ORDERS OF 120 OR MORE Terms. SEE INSIDE FRONT COVER



Hollow Chisel Mortising

For fine cabinet work and joinery. Cut accurate mortises quickly with perfectly square ends, or drill square holes.

9 P 2461—Mortising chisel housing for drill press. Shipping weight, 3 pounds..... **\$1.60**

9 P 2457—Hold-Down guide. Shipping weight, 6 lbs. 8 oz..... **\$1.50**

9 P 2420—Hollow chisels for use with 9 P 2461 attachment. Highest quality. Sizes 1/4, 3/8, and 1/2-in. Specify size. Shipping wt., 3 oz..... **\$1.35**

9 P 6458—Stone for sharpening above chisels (illustrated on page 20.) Shipping weight, 3 oz..... **45c**

9 P 2422—Mortising bit for use with above attachments. Highest quality. Sizes 1/4, 3/8 and 1/2-in. Specify size. Shpg. wt., 3 oz..... **\$1.19**

Dovetailing Attachment

By using the attachment shown above you can cut dovetails that make perfect joints because you cut both members simultaneously. No special skill is required. Attachment consists of a steel comb, slotted to guide shank of router cutting to a predetermined depth. End plates together with screw fittings for attaching the above guide or comb and clamps for holding work, and a 1/2-in. dovetail router are included in the outfit.

9 P 2462—Dovetail attachment. Set complete with router and instructions. Shipping weight, 4 pounds 1 ounce..... **\$4.50**



Shaping Attachment

You can convert your CRAFTSMAN Drill Press into a spindle shaper by inverting the head bracket and motor assembly, placing the new and improved extension table over it. This new type shaping attachment can also be used with the drill head in its normal position. For detailed illustration of guard and guide and for cutters of various shapes see Page 24.

9 P 2430—Extension Table for spindle shaping. With guard, guide and spring clips. Size, 14 1/2 in. x 18 in. Shpg. wt., 17 lbs. **\$6.95**

9 P 2435—Shaping adapter for 1/2-in. bore cutters. Shpg. wt., 7 oz. **79c**

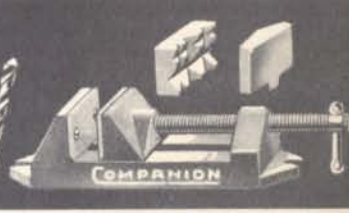


CRAFTSMAN Twist Drills

Finest quality, American made twist drills. The product of master drill makers. Seven sizes in each set: 1/16, 1/8, 1/4, 3/8, 1/2, 5/8, and 3/4 in. Shipping weight, 6 ounces.

9 P 6686—Set of 7 High Speed Steel Twist Drills. Particularly recommended for use with drill presses and electric drills..... **\$1.69**

9 P 6685—Set of 7 High Carbon Steel Twist Drills..... **69c**



COMPANION Drill Vise

Increases the range of work your drill will handle. Strongly built. Oxidized, non-rusting finish. Accurately cut screw with knurled end for fast action and bar for locking. Complete with 2 extra jaws for round or irregular work and swivel block jaw for tapered pieces. Particularly valuable when drilling small pieces which are hard to hold. Overall length, 10 1/2 in. 2 3/4-in. jaws open to 3 in. Taper and swivel jaws are included. Shipping weight, 5 pounds.

9 P 2436..... **\$1.98**

COMPANION

4 1/4 in. JOINTER-PLANER



Finely Built... Quality Features

- Sturdy frame is well machined and unusually rigid.
- Fitted with auto-lubricated bronze bearings.
- Extra large SOLID STEEL 4 1/4-inch cutter head. Carefully balanced for smoothness at high speeds. (We know of no other jointer selling for less than \$20.00 which has a solid steel head.)
- Three high speed steel cutters retain their sharp easy cutting qualities for long periods.
- Micromatic control for depth of cut with accurate scale.
- Finely graduated scale on fence (See inset above).



4 1/4-Inch Jointer Knives

High speed tool steel blades that take and hold a keen edge. Set of 3 for jointers on this page. Shipping weight, 10 ounces.

9 P 2291 \$1.95

The enthusiasm with which our customers have received this new jointer has resulted in large volume production. This large volume permits us to use expensive machines and tools to produce a much finer jointer at a price within the reach of all. It gives woodworkers a greater degree of safety and accuracy than ever before achieved in a jointer-planer at anywhere near this low price. Do not confuse this large 4 1/4-inch machine with lighter 4-inch tools. No tool of this quality sells within \$5.00 of our price. Net weight, 38 pounds.

The carefully ground tables operate on accurately machined ways that insure perfect relationship of both tables for all depths of cut. Total length of tables, 21 3/8 inches. Guard need never be removed even for rabbeting. It can be lowered and swung under the rabbeting ledge out of the way. Can be swung back to normal position instantly. Front and rear tables adjustable. The fine quality auto-lubricating bearings are unusually large. New fence regulating mechanism permits quick adjustments for angle cuts. Oversize 4 1/4-inch steel cutter head easily handles 4-inch lumber in the rough. A tool that will give you years of fine service.

Shipping weight, 44 pounds.

99 PM 2287 \$12.95

Easy Terms
ON ORDERS OF
\$20 OR MORE
SEE INSIDE
FRONT COVER



CRAFTSMAN

REG. U. S. PAT. OFF.

IMPROVED BALL BEARING

4 1/4 in. JOINTER-PLANER

- SOLID STEEL 4 1/4-inch cutter head runs in accurately fitted SKF ball bearings that are fully enclosed and dust-proof.
- Greatly improved fence design—position and angle adjustment are accurate and operate independently of each other.
- Rugged gray iron frame is carefully designed, well machined, finely finished and exceptionally strong and rigid.
- Three high speed steel cutters keep their keen edge for surprisingly long periods.
- Depth of cut easily adjusted and shown on accurate scale. Both tables adjustable.

Smoother! More accurate! Greatly improved fence! Built for the expert craftsman who wants accuracy and convenience of adjustment. Exceptionally fine finish. Highest quality. Ball bearing construction with a finer type of fence. The entire fence and tilting mechanism may be moved laterally across the table by the screw feed mechanism without affecting in any way the angle at which it may have been set. See detailed view in inset above. Carefully ground tables slide on ways that are machined to close limits for permanent accuracy. Both tables are adjustable. Over all length, 24 1/2 in. Width, 9 1/2 in.; height, 8 1/2 in. Guard can be lowered and swung under rabbeting ledge to permit rabbeting operations. It can be swung back to normal position instantly. Shpg. wt., 47 lbs.

99 PM 2285 \$19.50

COMPANION Tool Light

\$1.45 Clamps right on a tool or bench and stays "put." The flexible neck lets you bring the light right down to your work; an extra large reflector keeps the light out of your eyes. Not to be confused with smaller and cheaper lights. With 15-inch neck, reflector, cord and plug.

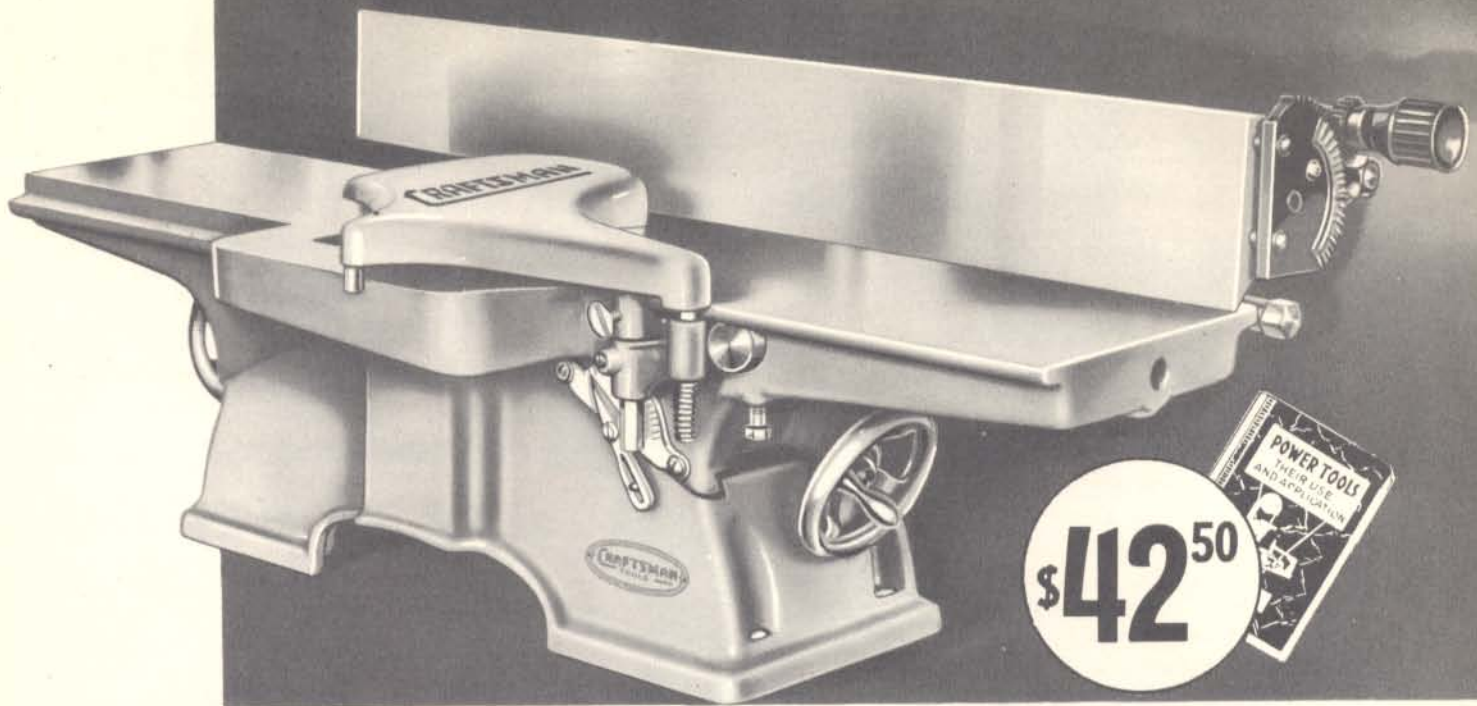
9 P 2264—Shipping wt., 1 lb. 12 oz. \$1.45

COMPANION Machine Stand

\$4.25 Mount your jointer-planer on this all-metal stand. Has 10-in. x 21-in. top and is 31 inches high. Very strong and rigid. Legs are drilled for varying height. Heavy gauge top and shelf. Top finished in lustrous black, legs in royal blue. High quality—low price. Specify 10x21x31-in. size.

99 P 2719—Shipping weight, 33 lbs. \$4.25





CRAFTSMAN

REG. U. S. PAT. OFF.

6-INCH HEAVY DUTY JOINTER-PLANER

Heavy Duty Precision "SKF" Ball Bearings

SPECIFICATIONS

TABLES: Heavy cored castings, accurately ground; over-size, accurately milled dovetail ways for tables insure permanent accuracy. Adjustable gibs. Dimensions: Front table, 17½ inches long; rear table, 15½ inches long. Width, 7¾ inches.

BEARINGS: Finest quality heavy duty SKF ball bearings enclosed in dust-proof housings; insure unvarying accuracy and long life.

CUTTER HEAD: Made of solid steel, 6 inches long, 2½ inches in diameter, with knife slots ground in the shape of inverted wedges; assures accurate and positive locking of knives.

BASE: Heavy gray iron, strongly ribbed with finely milled dovetail ways and adjustable gibs.

FENCE: Full 28 inches long, 4 inches high. Made of fine quality gray iron, precision ground. May be tilted either way by means of geared mechanism, the degree of tilt being clearly indicated on quadrant. An outstanding feature of this fence is that it may be moved as a unit across the table.

GUARD: Ingeniously designed and quick acting. Provides full protection to the operator. It recedes from its closed position as work is fed to the cutter, the knives thus being covered either by the guard or by the work at all times. May be dropped to one side of front table for rabbeting. Never need be removed from tool.

OPERATING SPEED: 4500 R.P.M.

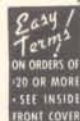
DIMENSIONS: Length, over all, 37 in. Height, over all, 13 in. Width, over all, 13 in. Rabbeting capacity up to ¾ inch depth of cut.

PROTRACTOR DEPTH GAUGE: Indicates position of front table at all times. The movement of table is magnified by pointer, thus insuring closest accuracy.

- Heavy gray iron frame. Accurately milled, ground, faced and polished. Extra large base.
- Solid steel cutter head, 2½ inches in diameter.
- Heavy duty SKF ball bearings enclosed in dust-proof housings. Will give lifetime service.
- Full 5/8-inch diameter steel shaft. Accurately machined. Fitted with balanced pulley.
- Both tables adjustable. Positive locks. Maximum depth of cut, 5/8 inch.
- Equipped with geared type fence. Large, quick-acting guard. Accurate depth of cut scale.

We believe this high speed, heavy duty jointer furnishes the expert craftsman the finest and most accurate power tool of its kind that money can buy. Accuracy is also insured by the carefully ground tables which slide on dovetail ways, this movement controlled by conveniently located hand wheels. Tables may be locked in any position by a positive mechanism which operates so as to pull the tables into the ways, guaranteeing the very greatest accuracy. Of special interest to the expert craftsman is the precision ground gray iron fence whose angle of tilt is easily controlled by a geared mechanism operated by a hand wheel. This heavy tilting mechanism assures utmost rigidity and accuracy in all positions. The entire fence and tilting mechanism may be moved laterally across the table without affecting the angular setting.

The entire tool is made extra-heavy to insure smooth operation and accuracy. Complete protection is furnished the operator by a cast aluminum guard of the automatic type, which keeps knives covered either with guard or work. If you want the very utmost in accuracy and dependability in a heavy duty jointer for your shop, this is the one to buy. Motor required, 1/3 to 1/2-H.P. See pages 38 and 39.



Complete with geared fence, high speed steel knives, pulley, motor pulley, belt and 72-page instruction book. Shipping weight, 160 pounds.

99 PM 2288 \$42.50

Jointer Knives

Made of finest quality, high-speed tool steel. Will hold a keen edge longer than most knives. Set of three, for jointer 99 PM 2288. Shipping weight, 4 ounces.

9 P 2292 \$2.70

COMPANION Machine Stand

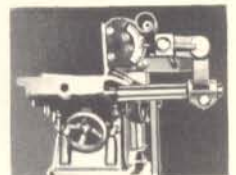
Use this all metal machine stand for mounting your heavy duty jointer. Has 10x34-inch top; height, 31 inches. Handy shelf for tools. Exceptionally strong and rigid. See page 40 for complete description. Specify 10x34x31-inch size.

Shipping weight, 36 pounds.
99 P 2719 \$4.95

COMPANION Tool Light

Use this handy light with your jointer. Extra large reflector guarantees ample light where you want it, on your work instead of in your eyes. Has 15-inch flexible neck, reflector and cord and plug. See page 2 for full and complete description.

Shipping weight, 1 lb. 12 oz.
9 P 2264 \$1.45
Page 29



Note the sturdy construction, V-ways and highly efficient fence construction.



Note the large hand wheels and positive locks on the V-ways.



CRAFTSMAN

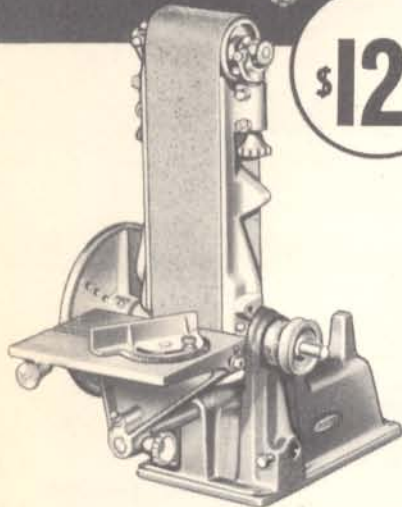
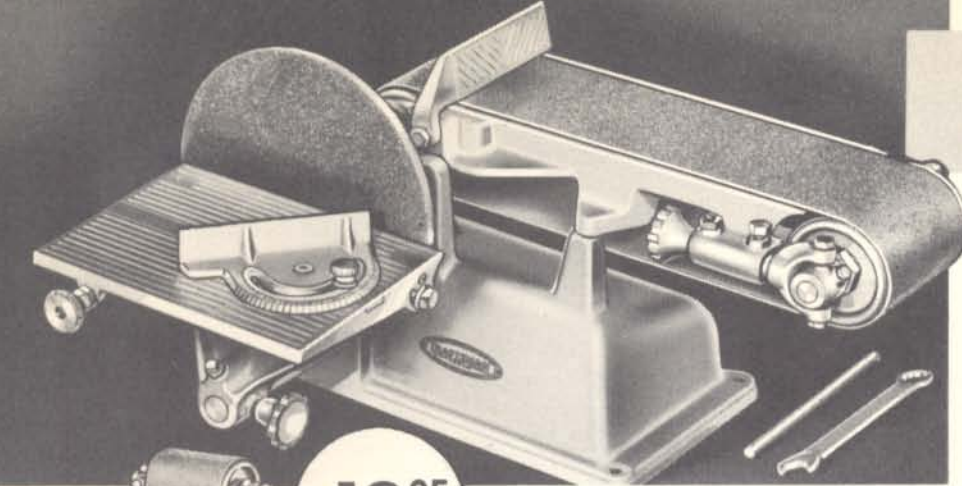
BELT AND DISC SANDER

Finest Tool of Its Kind

- Disc sanding table is universally adjustable.
- Beautifully finished frame of semi-steel.
- Oversize auto-lubricated bronze bearings.
- Disc sander finishes concave portions of work which cannot be reached by belt sander alone.
- Belt sander mounts horizontally or vertically, as desired.
- Disc sander table tilts to any angle up to 45°.
- Quick acting belt adjustments are sturdy and accurate. 4-in. rubber covered rollers.

\$12⁹⁵

Amazing Quality at this Price



Sander belt in vertical position with sanding table mounted at end of machine for use as vertical sander. The 8-inch sanding disc and table may be used either on right or left of belt sander. This feature permits this sander to be mounted on the end of your bench that is most convenient.



COMPANION Machine Stand

All-metal machine stand. Has 10x21-in. top for mounting your combination disc and belt sander. 31 inches high. Exceptionally strong and rigid. Specify 10x21x31-in. size. Shpg. wt., 33 lbs.
99 P 2719.....\$4.25

COMPANION Tool Light

Extra large reflector throws light on your work, not in your eyes. Has 15-in. flexible neck, reflector and cord and plug. See page 2. Shpg. wt., 1 lb. 12 oz.
9 P 2264.....\$1.45

Abrasive Discs and Belts

Package of 6 assorted fine, medium and coarse sanding discs. Shipping weight, 8 ounces.

9 P 2216—For use on Wood.....35c
9 P 2217—For use on Metal.....39c

Abrasive belts for CRAFTSMAN Sander. 4 in. x 36 in. State grit desired, fine, medium or coarse. Shpg. wt., each, 4 oz.

9 P 2218—For use on Wood, each.....29c
9 P 2215—For use on Metal, each.....39c

One of the most versatile tools in Sears big Power Tool line! The disc sander table is adjustable as to angle, enabling you to do extremely accurate sanding of mitered edges. The sanding table also is adjustable as to position, and may be used on either right or left side of sander, or at end of machine. It may be tilted to any desired angle and securely locked in position. Belt sander can be used horizontally or vertically or at any intermediate angle. Extra long bronze bearings on the main arbor insure long life and smooth operation. All spindle bearings are of the auto-lubricated type which effectively prevents abrasive material from damaging the spindles. We cannot emphasize too strongly the extremely high quality of this tool. Note the expensive universal bearing mechanism provided for adjustment of front roller, provided with positive locks and steel bearing seals. Such design insures you without question the most for your money. We designed it to do the work of machines selling for much higher prices. It has ample capacity for the small shop or craftsman. We recommend 1/2-H.P. motor 99PM 5607, shown on page 39. Recommended operating speeds: 1200 to 1600 R.P.M. Only those who own this new type sander know its great utility. It performs a great variety of laborious hand operations with ease. Its price and quality cannot be matched! Complete with 8-inch abrasive disc, 4-inch sanding belt and instructions.

Shipping weight, 42 pounds.

99 PM 2213.....\$12.95

Easy Terms! ON ORDERS OF \$20 OR MORE SEE INSIDE FRONT COVER

CRAFTSMAN

BELT AND DISC SANDER

SKF Ball Bearings

- Has four highest quality, dust-sealed ball bearings.
- 12x6-in. adjustable disc sanding table. Tilts 90° to 45°. Quadrant indicates angle.
- 12x4 1/2-in. sanding table under belt supports the 8 1/2 x 6-in. table above belt which tilts 90° to 45°; has indicator and stop.
- Surfaces panels up to 13 inches in width.
- Either upper or lower surface of sanding belt may be used—lower surface for stroke sanding operated with pressure block furnished.
- Abrasive belt speeds: 1050, 1760, and 3100 feet per minute.
- Distance between pulley centers is 18 inches.
- Over all length, 26 in.; over all height, 18 in.

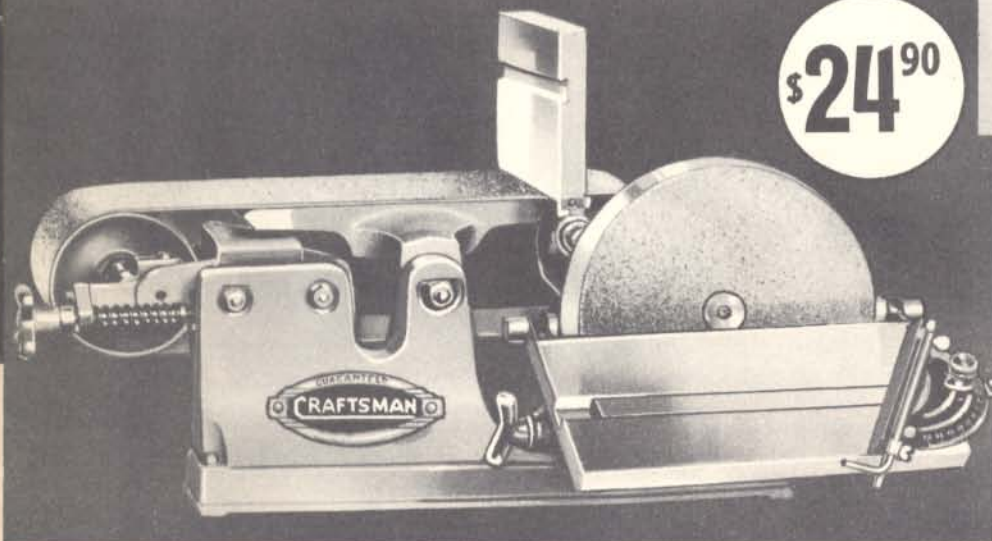
Here's a belt and disc sander that'll handle all kinds of surfacing jobs—boxes, trays, etc., before or after assembly! Will surface wood, metal, moulded plastics, fibre, cork, bone, etc. Will sand mitered edges with extreme accuracy.

You get smoothest kind of operation from this carefully balanced machine. Heavy drive shaft running on dust-sealed ball bearings assures years of trouble-free performance. Heavy cast iron base gives stability. Pulleys are accurately balanced aluminum die castings 5 inches in diameter. Idler pulley alignments easily controlled by means of pivoted bracket with knurled adjusting and lock nuts. Belt tension varied by cushion spring control. New features, quality materials and fine workmanship make this CRAFTSMAN Belt and Disc Sander very efficient. Priced low—it's a real value!

For ordinary work we recommend 1/2-H.P. motor, 1750 R.P.M. For heavy work, 1/2-H.P. motor, 1750 R.P.M. Recommended operating speeds: 765, 1350, and 2275 R.P.M. With 10-inch abrasive disc, 4-inch sanding belt. Order today—you'll turn out finished surfaces in a few minutes that would take hours by hand! Shipping weight, 85 pounds.

99 PM 2210.....\$24.90

\$24⁹⁰



(A) Note sturdy bearing construction and 4-speed pulley which may be driven from below or behind.



(B) "Stroke surfacing" where lower surface of belt is pressed against work, when large pieces are handled.



(C) Disc sander finishing a compound miter joint to mirror smoothness in a few seconds.



(D) Belt tension unit—spring cushioned and adjustable. Belts are easily changed.

Abrasive Discs

Package of 6 assorted fine, medium and coarse sanding discs. For use on wood or metal.

Shipping weight, 9 ounces.

9 P 2206—Pkg. of 6.....59c

Abrasive Belts

Fine, medium or coarse. State grit wanted. For use on wood or metal.

Shipping weight, each, 4 ounces.

9 P 2211—Each.....49c

CRAFTSMAN JIG SAW

REG. U. S. PAT. OFF.

"BALANCED ACTION" FULL 14-IN. THROAT

- Extra heavy "bridge truss" type frame.
- Perfectly balanced action reduces vibration; permits finer, faster cutting.
- Dustproof oiltight crankcase.
- Extra long bearings, carefully fitted.
- Built-in sawdust blower keeps work clean and cutting lines visible.
- Cuts light or heavy material.
- Blade vises turn through 90 degrees for cutting or ripping extra-long pieces.

This jig saw has proven a most popular tool . . . one adaptable to all kinds of jig saw work. Included in its construction are many features to be found only on expensive saws. The remarkable popularity of this CRAFTSMAN Jig Saw proved that thousands of home craftsmen wanted such a tool!

Built strong enough for professional work—that's why it handles the usual run of homecraft jobs so easily. Scroll sawing, jig sawing, pattern making, toy building and a hundred similar types of work are easily handled by this fine machine! You can use jig or fret saw blades in it, from 5 to 6½ inches in length.

At its recommended speed of 800-1000 R.P.M. this tool is remarkably smooth and efficient. Fitted with 9x9-inch tilting table that is adjustable from 0° to 45°. Accurate scale gives precise angle of tilt. If you want to saw copper or aluminum, as well as wood—go ahead. With the proper blades you can handle metals as easily as wood! Nothing skimped—nothing omitted that would make the saw work better, do more, last longer. All in all it's the finest medium sized jig saw you've ever seen! We know you'll want one for your shop. Fully illustrated 72-page book of instructions included. Shipping weight, 38 pounds.

99 P 2261 \$10.95

Easy Terms!
ON ORDERS OF
\$20 OR MORE
SEE INSIDE
FRONT COVER



View Showing Table Tilted

Table is adjustable from 0 to 45 degrees. Note the rugged table support and the graduated scale which shows exact angle of tilt.

Power Tool Accessories . . . the finest you can buy!

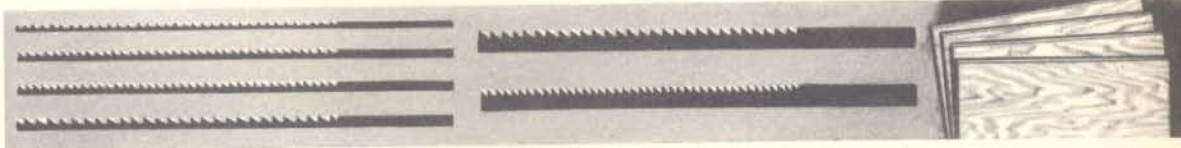


14-Inch Jig Saw on Machine Stand

By mounting your jig-saw on this machine stand and adding a tool light, (page 2), you have an ideal combination for fine, efficient work! Note the size of the stand leaves room for the motor also. A compact, complete working unit! See page 40 for full description of machine stand.

Because of the leadership enjoyed by Sears in the power tool field—a leadership gained by designing and building QUALITY TOOLS ONLY—we have made it our policy to offer only the highest quality accessories for these tools. As a result of this wise policy you can order any accessory for your shop from Sears secure in the knowledge that you are getting the finest of its kind that it is possible to obtain—at a substantial saving in price. Any power tool, no matter how expensive it may be or how carefully designed and built, is at the mercy of

some comparatively inexpensive accessory. Should such an accessory fail at a crucial time it may mean lost profit, work spoiled, time wasted. Belts that slip or break—set screws that fail to hold—little things that are not the finest obtainable—are a poor investment. When you buy accessories at Sears you get SATISFACTION. You will find the accessories listed in this book are built to the highest standard, that they will give long, trouble-free service and operate with a saving of power. Sears accessories are not only the best but they save you money.



CRAFTSMAN FRET AND JIG SAW BLADES

Catalog Number	Thickness, Inch	Width, Inch	No. in Pkg.	Type End	Length, Inches	Teeth per Inch	Use*	Shpg. Wt., Pkg.	Price per Pkg.
9 P 2692	.008	.035	8	Plain	6	20	W, V, Pd	1 oz.	19c
9 P 2693	.010	.045	8	Plain	6	18	W, V, Pd	1 oz.	19c
9 P 2694	.010	.055	8	Plain	6	16	W, V, Pd	1 oz.	19c
9 P 2695	.010	.070	8	Plain	6	14	W, M	1 oz.	19c
9 P 2703	.020	.070	6	Plain	6	32	M	1 oz.	19c
9 P 2702	.014	.078	6	Plain	6	16	W, M	1 oz.	19c
9 P 2709	.020	.110	6	Plain	6	20	G, W, M	1 oz.	19c
9 P 2710	.020	.110	6	Plain	6	7	W, P	1 oz.	19c
9 P 2700	.020	.110	6	Plain	6	10	G, W, M	1 oz.	15c
9 P 2701	.020	.110	6	Plain	6	15	G, W, M	1 oz.	15c
9 P 2704	.020	.110	6	Pin	5	10	G, W, M	1 oz.	15c
9 P 2705	.020	.110	6	Pin	5	15	G, W, M	1 oz.	15c
9 P 2706	.020	.110	6	Plain	8½	10	G, W, M	1 oz.	19c
9 P 2707	.020	.110	6	Plain	8½	15	G, W, M	1 oz.	19c
9 P 2708	Assorted		3	Sabre	6	Asst'd	W	1 oz.	19c

*W—Wood, M—Metal, P—Catalin or other Plastics, V—Veneer, Pd—Plywood, G—General Purpose.

Non-Warping 3-Ply Wood

Excellent for either jig saw or panel use. Three large pieces of fine quality plywood, each approximately ¾-inch thick, 18 inches wide, and 24 inches long. Smooth finish. Easy to handle and cut, will not crack or split. Non-warping. The kind preferred by most jig saw craftsmen. Shipping weight, 5 pounds 4 ounces.

9 P 2924 \$8.95

CRAFTSMAN

REG. U. S. PAT. OFF.

HEAVY DUTY Full 24-Inch

Beyond All Doubt the Finest Jig Saw You Can Buy!

- Cuts to center of 48-inch circle and handles material up to 4 inches thick.
- Universal chuck takes blades of every size and type up to 1½ inch width.
- Driving mechanism runs in bath of oil, providing positive and adequate lubrication.
- Adjustable upper guide permits use of blades from 5½ inches long up to 14 inches or more in length.

- Roller guide is mounted on hardened steel pins. May be installed on under side of table for saber sawing.
- Upper arm is removable, providing unlimited capacity.
- May be equipped to perform dovetailing, mortising, shaping, carving and routing operations.
- Powerful sawdust blower is built into head. Directs stream of air on work at all times.

- 12x12-inch table fitted with soft metal insert.
- Table tilts to 45 degrees, with degree of tilt clearly indicated on accurate quadrant.
- Operates at 4 speeds for varying types of work: 1750, 1295, 926 and 644 R.P.M.
- Blade vises and blade may be revolved through 90 degrees to rip long pieces.

SPECIFICATIONS

TABLE: Made of heavy gray iron, precision ground, provided with soft metal insert around blade. Insert is removable for use of machine files. Table also is provided with threaded holes in the 12x12-inch top for attaching shaper fence used with high speed router attachment. In addition to tilting 45° to right or left, table may be tilted 5° front or back, an advantage in die filing, marquetry and pattern work.

BASE: Heavy gray iron base, streamlined, and unusually rigid. Combines maximum strength with minimum weight. Section where upper arm is attached is carefully ground for accuracy. Base is provided with slots for attaching motor.

ARM: Beautifully designed to harmonize with base and made of close grained gray iron, accurately machined to fit base and also at small end to hold standard head or router assembly. Built to insure absolute minimum of vibration. Arm may be swiveled to right or left for dovetailing with router. Arm is readily removable, being held in place by two bolts. A knurled pin securely locks arm in normal sawing position.

THROAT: Full 24-inch capacity, even when sawing material which is 4 inches thick.

STROKE: 1-inch. By means of adjustment in the head, blades from 5½ in. up to 14 in. or more in length may be used.

CUTTING CAPACITY: Distance from table to upper blade vise, 4½ in. Chucks may be turned to saw at any angle.

LUBRICATION: Entire driving mechanism operates in a bath of oil, and is fully enclosed. Main shaft and lower guide receive lubrication from this source. Only other lubrication required is a few drops of oil occasionally on upper guide.

MOTOR Recommended: ¼-H.P. (¼-H.P. for light service), 1750 R.P.M.

HOLD DOWN AND ROLLER GUIDE: Adjustable spring hold down prevents work from being lifted on up stroke. Roller guide, mounted on hardened steel pins, provides necessary backing for blade. For saber sawing guide may be attached to under side of table.

CHUCKS: Universal type, hold flat, round or angular sections firmly. Chucks may be turned to saw at any desirable angle. Small vises for fret work are available at slight extra cost. (Fret saw vises are illustrated on opposite page.)

CANVAS BOOT: Completely encloses the upper part of the lower guide at all times preventing abrasive dust from getting into bearings or oil supply. An absolute necessity when filing or sanding. An exclusive and valuable feature.

It has the flexibility and strength



This big, powerful, 24-inch CRAFTSMAN Jig Saw was designed for real production work. It has truly remarkable flexibility in that you can do many kinds of work on it. It has the rugged strength combined with careful, conscientious manufacture that enables it to keep going all day long, day after day. It has a wide range of speeds, which is important for the many kinds of work which this tool readily performs. It works equally well with the smallest fret saw blade and with blades a full half inch wide. You can also use machine files

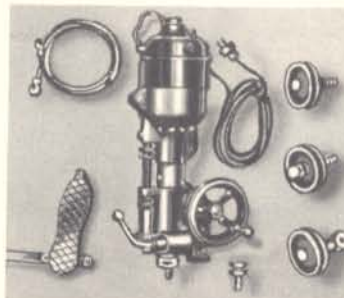
in the CRAFTSMAN Jig Saw. It will saw nonferrous metals easily and accurately. Mechanically it is as close to perfection as possible. In every detail it reflects the care, the designing skill and the accuracy that distinguish Sears Power Tools. Read the features and specifications. Note the versatility of this saw, with its various attachments. Order one! You'll find it the best power tool investment you ever made!

Easy Terms! ON ORDERS OF \$20 OR MORE SEE INSIDE FRONT COVER

High Speed Router Attachment

One of the most remarkable features of the CRAFTSMAN 24-Inch Jig Saw is that it will accommodate high speed router attachment which takes the place of the regular head on the extension arm. This attachment is a complete unit in itself—a vertically mounted ball bearing motor which operates at 17,000 R.P.M. and is carried in a rugged housing which encases the steel quill and ball bearing spindle. The motor and quill unit may be raised or lowered by a hand wheel or by foot treadle connected to unit by cable. With this high speed router attachment you can do the most intricate sort of routing, carving and grinding, as well as shaping, mortising and tenoning. You can add a dovetail jig and router at small cost and also do perfect dovetailing. In short, there is scarcely an operation that can be handled on the most expensive production machine which you cannot handle as well with the CRAFTSMAN 24-Inch Jig Saw.

Complete assembly consists of 17,000 R.P.M. 110-120-volt A.C.-D.C. motor, foot treadle control, motor bracket with steel quill having milled rack and ball bearing spindle, collet chuck and 3 control pulleys. It takes the place of regular jig saw head, by loosening one bolt. Fits any CRAFTSMAN 24-inch jig saw. Shpg. wt., 35 lbs.



9 P 2260—High Speed Router, complete.....\$29.95
99 P 2642—Router Motor only. Shipping weight, 10 lbs. **\$14.75**
9 P 2640—Special high speed collet chuck for use with 17,000 R.P.M. router motor and flexible shaft. High quality specially balanced. Supplied in three sizes to accommodate ¼, ½ or ¾-inch tool shanks. **Specify size wanted.** Shpg. wt., 6 oz. Each **85c**
 For routing and carving bits or other accessories see page 24.

The above illustration represents an ideal combination . . . the CRAFTSMAN 24-Inch Jig Saw with router head mounted on a machine stand. The CRAFTSMAN 24-Inch Jig Saw with router head offers the widest possible range of operations that could be combined in one machine—jig sawing, filing, routing, carving, shaping, dovetailing, fret saw work, saber sawing—almost every essential shop operation. The machine stand has a 10 inch x 34-inch top, is 31 inches high and provides a clean convenient mounting. See catalog No. 99 PM 2266 listed on opposite page for price of complete outfit.

Carving Cutters for Use With High Speed Router

Accurately made high speed cutters of finest quality tool steel. For use with High Speed Router Attachment for CRAFTSMAN 24-Inch Jig Saw.



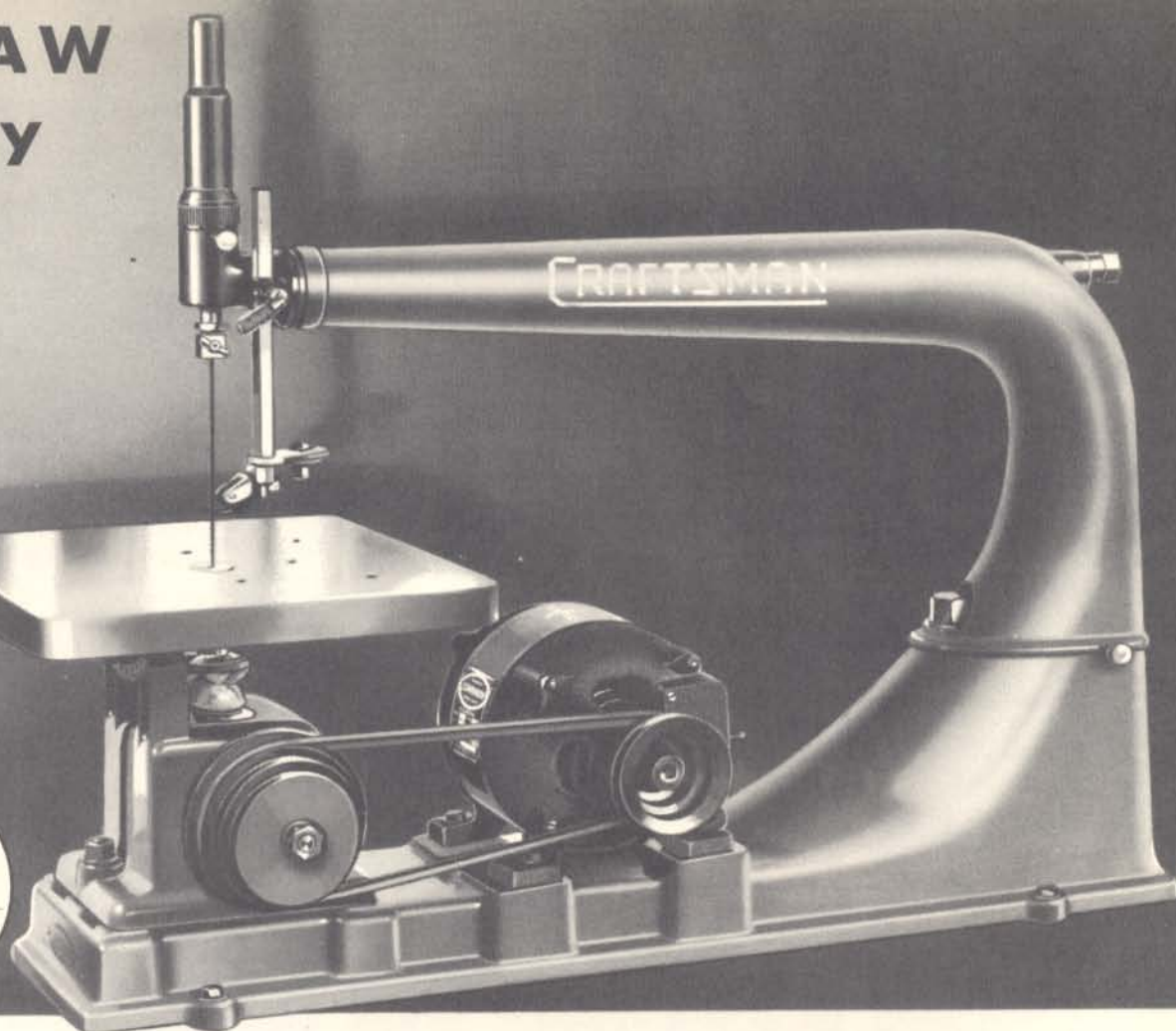
9 P 2644—Specify item wanted. Shipping weight, each, 2 ounces.

Round Nose	Half Round	Liner	3/16-inch Cutter Shank	Button Drill	Hook Tool	Straight Face
\$1.60	\$1.60	\$1.60	45c	\$1.60	\$1.60	\$1.60

JIG SAW Capacity



\$23⁵⁰
Less Motor
\$32²⁵
With Motor



needed for production work

Here's the new leader in the jig saw field. Comparison will reveal it to you as a worthy leader in quality, style, workmanship, design, versatility and mechanical excellence. This big 24-Inch CRAFTSMAN Jig Saw has everything any jig saw ever had and MORE! It has many features NO OTHER SAW EVER HAD.

Beautifully streamlined base and detachable arm! Note how the motor is tucked away below the table level. Note that the saw operates at 4 speeds without shifting motor . . . that it has a positive action piston type blower built into the head . . . a canvas boot on the lower guide . . . a completely enclosed crankcase with all moving parts constantly running in an oil bath . . . universal chucks that hold every type of blade, at any desired angle, from zero to 360 degrees . . . a carefully machined gray iron table 12 inches square!

Note also that you can use saber blades and machine files on this versatile saw . . . that you can add a high speed router attachment that will enable you to do carving, routing, shaping and mortising . . . that you can tilt the table not only to the right or left but to the front or back as well.

So carefully designed and accu-

rately built that it is practically vibrationless. Both crank shaft and drive pulley are perfectly balanced.

Order it today—utilize its power and versatility for the hardest sort of work. You'll find that we haven't told you half the story of its high quality and performance! Complete with 4-step drive pulley, 4-step motor pulley, belt, and 72-page fully illustrated book of instructions.

99 PM 2262—CRAFTSMAN 24-Inch Jig Saw, without motor. Shipping weight, 104 pounds. . . . \$23.50

99 PM 2267—CRAFTSMAN 24-Inch Jig Saw with 1/2-H.P. ball bearing COMPANION 110-120-volt, 60-cycle A.C. Motor. Shipping weight, 122 pounds. . . . \$32.25

99 PM 2266—CRAFTSMAN 24-Inch Jig Saw with 9 P 2260 Router Head and attachments, 10x34x31-inch machine stand and 1/2-H.P. KENMORE 110-120-volt, 60-cycle A.C. Motor. Illustrated lower left of opposite page. Shipping weight, 191 pounds. . . . \$66.50

9 P 2755—Special Replacement Belt, 32x1/4 in. Shipping weight, 4 ounces. . . . 35c

FOR BLADES SEE PAGE 31
Easy Terms: On Orders of \$20 or More, See Inside Front Cover.



9 P 2268—Rip Fence and Front Supporting Bar with fittings to attach through holes ready drilled in jig saw table.

Shipping weight, 8 pounds. . . . **\$2.35**



Machine Files for Jig Saw Use

Use these handy files in your CRAFTSMAN 24-Inch Jig Saw to replace tedious hand filing. Made of special file steel and will give superior service. Have 5/16 inch shanks. Shipping weight, each, 1 ounce.

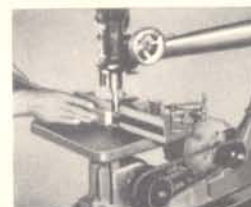
9 P 2737—3 Square File. . . . 50c | **9 P 2738—Round File. . . . 50c** | **9 P 2740—Pillar File. . . . 50c**
9 P 2742—Half Round File. . . . 50c | **9 P 2739—Crochet File. . . . 50c** | **9 P 2741—Square File. . . . 50c**



Router head assembly tilted for spindle carving. Scale on head shows angle of tilt.



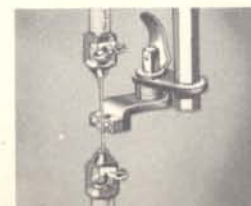
Illustrating dovetail attachment. (Page 25.) Operates smoothly and accurately.



Shaping guard and guide in use; holes for attaching are ready drilled and tapped.



Showing high speed flexible shaft in use with router head for die work.



Handy Fret Saw Attachment—for extra fine fret saw work. 2 special vises and blade guide. Shpg wt., 8 oz.
9 P 2269. . . . \$2.35



Produce those beautiful carvings you admire. Carving operations are accomplished with ease, speed and smoothness before unknown.



COMPANION POLISHING OUTFIT

Handiest of all small tools for home and shop. This handy 7-piece outfit will quickly and efficiently sharpen tools, remove rust or paint, grind and polish metals, and may also be used for drilling. The set includes the polishing head, height, over all, 6 1/2 in.; 1/4-inch chuck; clamping collars; 4x1/2-inch vitrified grinding wheel; 4-in. wire wheels, one coarse and one fine; a 6-inch cloth buffer and cake of buffing compound.

9 P 2869—Complete Polishing, Grinding and General Utility Outfit. Shipping weight, 4 pounds 10 ounces.....\$2.25

9 P 2871—Polishing Head only, less chuck. Shipping weight, 3 lbs. 12 oz. 69c

9 P 2130—1/4-in. Chuck only. Shipping weight, 5 ounces.....23c

Easy Terms! ON ORDERS OF \$20 OR MORE SEE INSIDE FRONT COVER



COMPANION BRONZE BEARING Polishing Head

An exceptionally fine polishing head in the No. 1 size. Equipped with long life bronze bearings. Rugged gray iron frame. Can be driven from below or behind. Well made tough steel spindle, threaded at both ends. High quality collars; V-type pulley, 1 3/4-inch diameter. A bargain at this price.

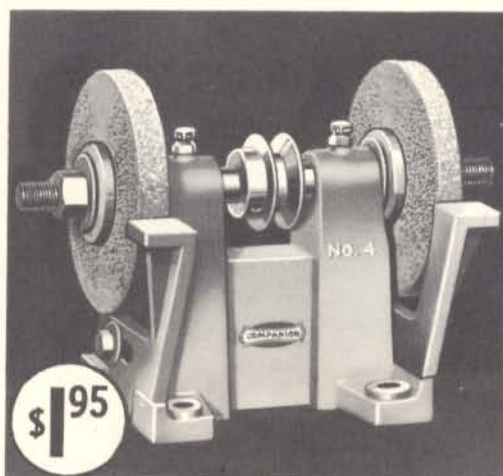
Shipping weight, 3 pounds 12 ounces.
9 P 2874.....95c



COMPANION De Luxe Polishing Head

A heavy duty head with a surplus of strength for the hardest jobs! Designed to permit driving from below or behind. Semi-steel frame. Selected steel spindle, 1/2-inch in diameter, threaded at both ends to take wheels up to 3/4 inch wide. Fine quality long life bronze bearings; high grade 3-jaw chuck with capacity up to 3/8 inch. V-type pulley, 2-inch diameter. Over all height, 8 3/4 inches. Strong, well-made clamping collars, cut from solid steel, insure straight, true running of wheels. One of the finest polishing heads on the market! Shipping wt., 8 lbs. 4 oz.

9 P 2875.....\$2.45

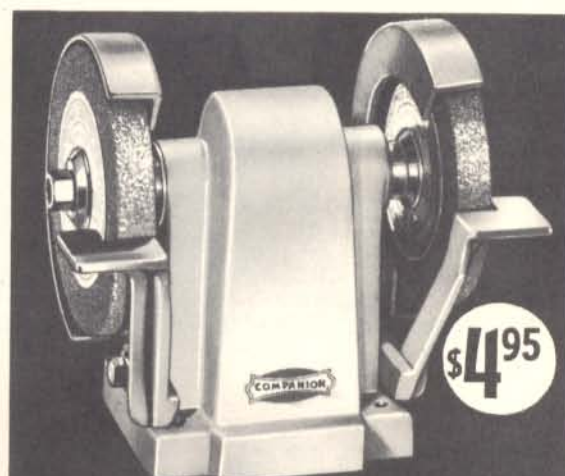


COMPANION 4-Inch Bench Grinder

This grinder makes it easy for you to keep your tools bright and sharp! Close grained gray iron frame, specially designed so that grinder may be driven from above, below or behind. Selected steel spindle, 5/8-in. in diameter, turned down to 1/2 inch to fit all standard wheels, accessories and chucks. V-type pulley, 1 3/4 inches in diameter. Two 4x1/2-inch wheels, one coarse, one fine. Husky oversize clamping collars grip wheels firmly. Solidly built tool rests give steady support, yet are easily adjustable. A grinder made to give satisfaction at a low price! Order yours today!

Shipping weight, 6 pounds 2 ounces.

9 P 2600.....\$1.95

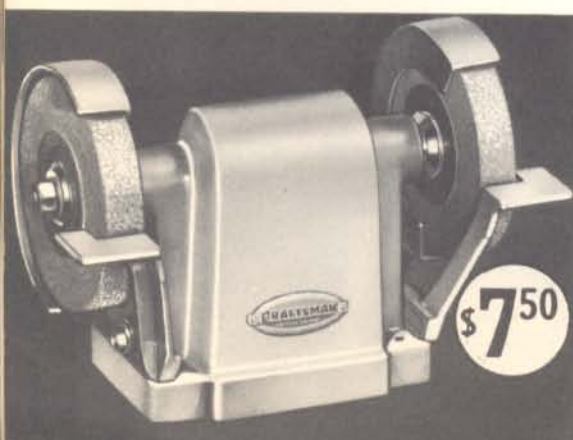


COMPANION 6-Inch De Luxe Grinder

A grinder that provides the added production capacity of 6-inch wheels plus a heavier, oversize frame. Plenty of clearance to handle large work. Full 6 3/4 inches between the wheels. Close grained gray iron frame, well ribbed. Spindle is 5/8-inch in diameter, turned down to 1/2 inch to fit standard wheels and accessories. Heavy, extra-long bronze bearings. Adjustable gray iron guards. Equipped with sturdy adjustable tool rests for most efficient operation. Two high quality 6-inch wheels; one coarse, one fine. Grinder may be driven from below or behind. A fine, carefully made tool.

A new sturdy design that is exceptionally rugged and smooth in operation. Shipping weight, 15 pounds.

9 P 2618.....\$4.95



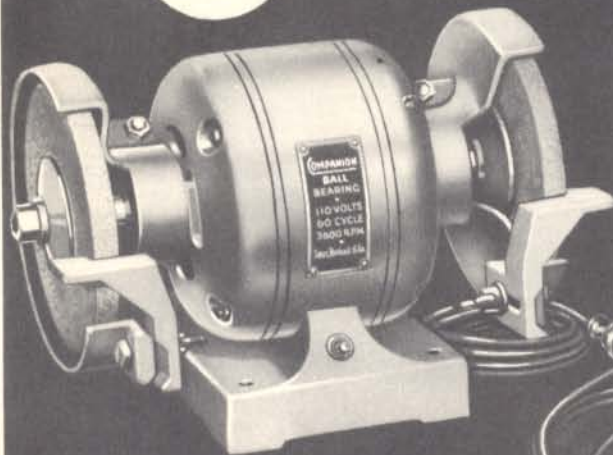
CRAFTSMAN HEAVY DUTY Ball Bearing Industrial Grinder

One of the finest belt driven grinders ever built! Every part is accurately made and has the extra strength demanded by extra-capacity work. Runs with exceptional ease and smoothness on highest quality fully enclosed ball bearings, shielded from dust and abrasive particles. Built to handle awkward grinding jobs. Plenty of clearance around the wheels. Measures 12 1/4 inches long over all—9 inches between wheels. Two-step pulley permits adjustment of speed to the kind of material being worked upon. The heavy, well-machined spindle is designed to accommodate

the thrust which heavy grinding imposes upon it. Streamlined hooded frame covers drive pulley. Heavy, easily adjustable tool rests. Strong gray iron wheel guards. Two high quality 6-inch by 1-inch grinding wheels, one coarse and one fine. Carefully machined clamping collars insure grinding wheels running straight and true. Balanced construction 2-step cone pulley. A quality product in every respect, yet remarkably low in price. Compare prices. See what you save at Sears. Shipping weight, 18 pounds.

9 P 2601.....\$7.50

\$12⁹⁵



COMPANION 1/4-H. P. GRINDER Outstanding in Value

- Powerful 1/4-H.P. ball bearing motor. 3450 R.P.M., full load (3600 R.P.M., no load). For 110-volt 60 cycle A.C. Built-in toggle switch; 6-ft. rubber covered cord and plug.
- Two 6x3/4-inch vitrified grinding wheels—one coarse; one fine. Removable and adjustable wheel guards. Adjustable tool rests.
- Sturdy, selected steel mandrel turned to 1/2-inch at wheels.

The smooth-running 1/4-H.P. ball bearing motor has ample power. The big 6-inch high quality grinding wheels, 3/4-inch wide, cut fast and clean. The finely balanced rotor revolves on fully enclosed ball bearings protected from abrasive dust. Large, sturdy wheel collars maintain wheel alignment. Sturdy tool rests provide steady surface for work. Adjustable for clearance with wheel. The well-made guards are removable for polishing and buffing operations. With 6-ft. cord and plug. Shpg. wt., 41 lbs.

99 P 2605..... \$12.95

Easy Terms
ON ORDERS OF
\$20 OR MORE
SEE INSIDE
FRONT COVER

\$29⁹⁵



CRAFTSMAN HEAVY DUTY 1/2-H. P. BENCH GRINDER

- Extra sturdy 1/2-H.P. ball bearing motor. 3450 R.P.M., full load (3600 R.P.M., no load). Operates on 110-volt 60 cycle A.C. Has built-in toggle switch.
- Two 7x1-inch grinding wheels—one coarse; one fine.
- Shatterproof glass shields. Adjustable tool rests.
- Detachable water pan for cooling work.
- Small diameter of motor permits work to be ground across face of machine—more room to operate.

A heavy duty bench grinder that's the biggest value we have ever seen for shops and garages where speed and extra safety are required. Will handle any grinding or sharpening job. Carefully balanced grinding wheels insure quiet, efficient operation. Heavy base for stability. Large, accurately machined collars give wheels perfect alignment at all times. (For sturdy heavy gauge cabinet for this grinder see Page 5.) 6-ft. cord and plug. Shpg. wt., 60 lbs.

99 P 2609..... \$29.95

COMPANION 10-inch WET GRINDER Ideal for Sharpening Woodworking Tools

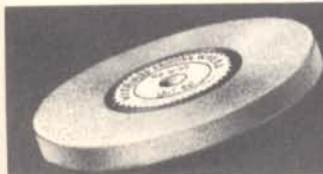
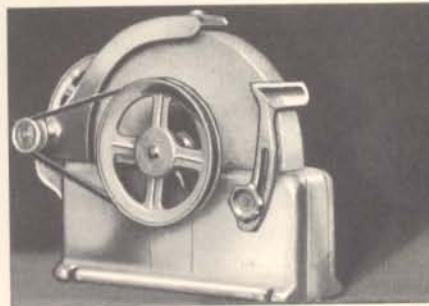
A fine low priced grinder for the home workshop, farm or factory. Ruggedly built for years of service. Quickly sharpens finest tools or knives without danger of drawing temper. Equipped with highest grade natural grindstone, 10 inches in diameter with 1 1/4-inch face. Adjustable tool rest. Stone rotates

\$6⁹⁵

in bath of water. Built-in jack shaft for reducing speed. Bronze bearings. Easy, smooth and quiet running. You'll pay more elsewhere for this high quality.

Fitted with V pulleys, jack shaft and belt. Shipping weight, 34 pounds.

99 P 2620..... \$6.95



HOWARD Vitrified Grinding Wheels

Accurately faced and balanced. Furnished with any size arbor hole up to 1 inch. **State diameter of wheel and hole size.** Shipping weight, 4-inch wheels, 1 pound 2 ounces; 6-inch, 2 pounds 4 ounces.

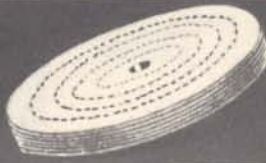
99 P 6402—4x1/2-in. Medium grit..... 35c
99 P 6402—4x3/4-in. Medium grit..... 39c
99 P 6413—6x1/2-in. Coarse grit..... 65c
99 P 6402—6x3/2-in. Medium grit..... 65c



Steel Wire Scratch Wheels

Carefully made and accurately balanced. 4-inch size has 1/2-inch arbor hole; 6-inch has 3/4 or 1-inch hole. **State diameter of wheel and hole size.** Shipping wt., 4-inch size, 5 oz.; 6-inch, 10 oz.

99 P 6480—4-in. Coarse..... 35c
99 P 6482—4-in. Fine..... 45c
99 P 6480—6-in. Coarse..... 45c
99 P 6482—6-in. Fine..... 55c



Buffing Wheels

Best quality buffing wheels of 20 thicknesses of muslin carefully bleached and securely sewed. Give excellent service. 1/2 in. center hole **Specify diameter.**

99 P 6490—4-in. Shpg. wt., 2 oz. Ea. 12c
99 P 6490—6-in. Shpg. wt., 3 oz. Ea. 19c



Buffing Compound

Used with buffing wheels to produce lustrous satiny finish on metal work. May also be used for natural wood finish. Also excellent for polishing catalin and other plastics. A superior grade that will satisfy you. Shpg. wt., 5 oz.

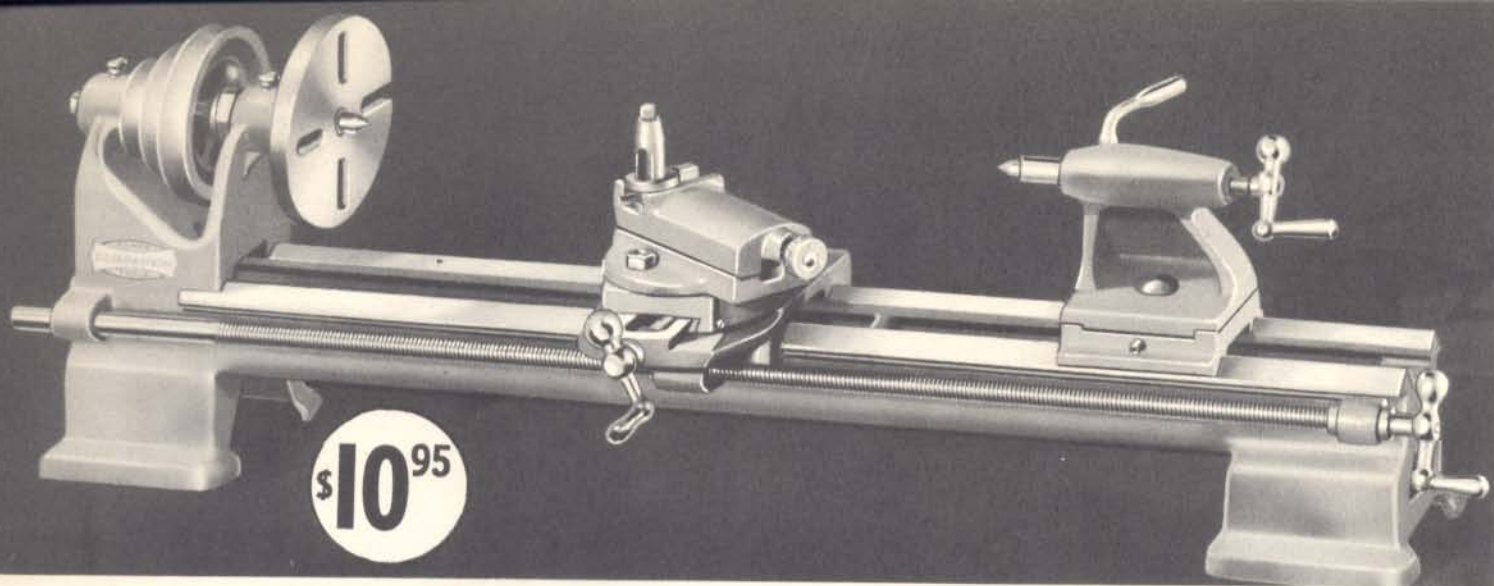
99 P 2876..... 19c



Tampico Brush

A handy wheel around the shop, and one for which you will find many uses. High quality fiber bristles. Fitted with sturdy balanced steel center. A real value at this price. 6-inch diameter, 1-inch face. Has 1/2-inch hole. Shipping weight, 8 ounces.

99 P 6486..... 49c



COMPANION METAL WORKING, MODEL MAKER'S LATHE

- V-way lathe bed.
- Double bearing headstock has highest quality bronze bearings. Front bearing fully adjustable.
- Compound rest fitted with adjustable gibs and lock for angular adjustment.
- Tailstock may be set over for the turning of tapers.
- Full length feed screw insures smooth finish when turning long pieces.
- Headstock and tailstock fitted with removable No. 0 Morse taper centers.

Jack Shaft Stand

Metal working requires a wide range of speeds for various kinds of metals; also slower speeds for larger diameters and faster speeds for small diameters, etc. Secure these speeds with this fine self-aligning bronze bearing jack shaft. Specify 3-in. 3-step pulley when ordering. Shpg. wt., 6 lbs. 4 oz.

9 P 2494.....\$2.45



Here is the lathe thousands of craftsmen have longed for—a fine design, almost every feature of the highest priced lathes—suitable for wood or metal working—requires only a small amount of space—operates quietly. It has so many fine qualities that we cannot enumerate them all.

This lathe is ideal for those having only a limited amount of space or those whose work will not exceed 6 inches in diameter or 18 inches in length. The price is by far the lowest ever made on such a tool and while not as accurate as the large metal working lathes, its many adjustments make it possible for the operator to secure much more accurate work than has ever been possible with this smaller type lathe. A fine tool for the model maker and those who are interested in making accurate small parts. Shipping weight, 28 pounds.

99 P 2021—COMPANION Model Makers Lathe.....\$10.95

Accessories for use with the Model Maker

- 9 P 2788—Matched motor pulley. 3-step 1/2-in. bore. Shipping wt., 1 lb. 50c
- 9 P 2137—3-in. 4-jaw independent chuck. Shipping wt., 3 lbs.\$3.10
- 9 P 2108—No. 0 Morse taper spur center. Shipping wt., 3 oz.45c
- 9 P 2109—No. 0 Morse taper cup center. Shipping wt., 3 oz.45c

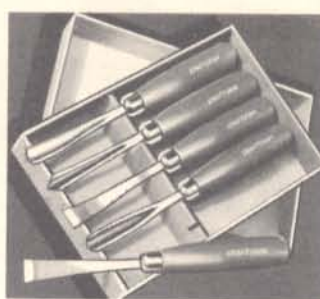
For tool bits see 9 P 2205, page 17; sanding disc, 9 P 2239 on pages 20-21.

Easy Terms
ON ORDERS OF
\$10 OR MORE
- SEE INSIDE
FRONT COVER

Electric Glue Pot

A necessity in every shop. A new and finer glue pot of dependable construction. Here's the latest in design and construction, with features that save you time and trouble. No more adjusting for temperature or refilling a water pot, for a thermostat automatically controls the heat. Heating element of new design and high quality is completely embedded in asbestos for utmost safety and long life. Polished aluminum with blue-enameled gray frame. One pint capacity. Six feet of cord and unbreakable rubber plug. Listed by Underwriters. Stir wire included. For 60-cycle, 110-120-volt A.C. only. Shpg. wt., 6 lbs. 8 oz.

9 P 2892.....\$3.69



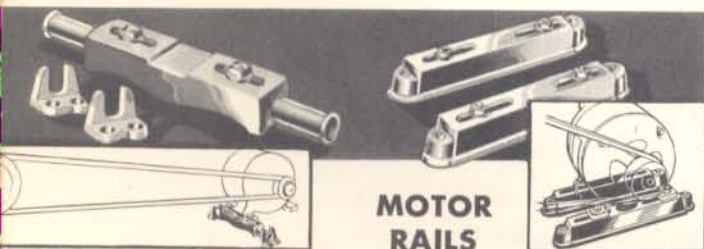
CRAFTSMAN

Wood Carving Tools

A set of five finely finished wood carving tools with 3 3/4-inch handles, 2 1/2-inch blades. With these tools you can make an infinite variety of wood carvings. The blades are forged from a fine quality of steel, heat treated with the utmost care to take and hold a razor keen edge.

Complete set of 5 tools attractively boxed; includes one each of the following: 3/8-inch bent gouge, 3/8-inch bent chisel, 1/2-inch U tool, 3/8-inch straight chisel and a 3/2-inch veiging tool. Shipping weight, 13 ounces.

9 P 2899.....\$1.95



MOTOR RAILS

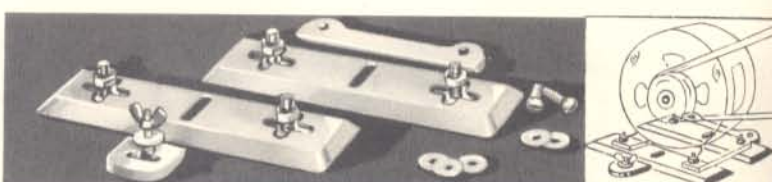
Floating Makes it possible to drive several different tools using only one motor! Just fasten set of clips near each tool, and shift motor with rail from one tool to another. Keeps belt at proper tension automatically.

9 P 2275—Floating motor rail and one pair clips. Shpg. wt., 2 lbs.50c
9 P 2277—Floating motor rail clips. Shipping wt., 8 oz. Per pair,20c

Page 36

Adjustable Makes belt adjustment a simple matter! Merely loosen bolts holding motor to rail, slide motor for belt tension wanted and tighten bolts. Motor stays put! Strongly constructed and nicely finished. Shipping weight, 3 pounds.

9 P 2279—Per pair, 50c



Improved Adjustable Motor Rails

The final answer, we believe, to the motor-mounting problem! Low in cost... easy to install... instantly adjusted... easy to use! Simply fasten rails to base of motor, attach clips to bench top as shown above, at right. A turn of the wing nut on clip grips motor rails tightly when belt tension is just the way you want it. Loosen wing nut, and motor with attached rails slides out for other positions, for use on other machines, behind which similar clips have been mounted to receive the motor with rails. Beveled edges on rails and clips do the trick. Complete with necessary bolts, etc.

9 P 2280—Motor rails complete as shown. Shipping weight, 1 lb. 12 oz.50c
9 P 2281—Extra pair motor rail clips. Shipping weight, 9 ounces.20c



20c
9 P 2750

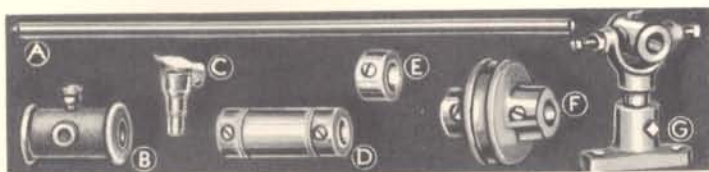
COMPANION VULCANIZED CORD BELTS

1. Heavy cords at pitch line.
2. Tough cord wrapper.
3. Uniform section molded.
4. Special cushioning insures flexibility.

Easy Terms ON ORDERS OF \$20 OR MORE SEE INSIDE FRONT COVER

COMPANION vulcanized cord belts are long wearing, true running, resist slipping and stretching, and transmit power with least friction loss. Heavy duty vulcanized cord wrapper. The flexible inner cushion of tough cured rubber is reinforced at the pitch line by strong cords to insure longer life and greater service. Properly molded and of uniform cross-section they run true and efficiently. COMPANION belts are carefully made, of excellent quality and very low in price. Length shown is distance around outside of belt.

Cat. No.	Length	Width	Shpg. Wt.	Each
9 P 2750	20 inches	3/4 inch	3 oz.	20c
9 P 2751	24 inches	3/4 inch	3 oz.	23c
9 P 2752	30 inches	3/4 inch	4 oz.	30c
9 P 2753	36 inches	3/4 inch	4 oz.	33c
9 P 2754	42 inches	3/4 inch	4 oz.	40c
9 P 2755	48 inches	3/4 inch	5 oz.	25c
9 P 2756	32 inches	1/2 inch	4 oz.	30c
9 P 2757	34 inches	1/2 inch	6 oz.	35c
9 P 2758	36 inches	1/2 inch	6 oz.	37c
9 P 2759	38 inches	1/2 inch	6 oz.	40c
9 P 2760	42 inches	1/2 inch	7 oz.	42c
9 P 2761	48 inches	1/2 inch	7 oz.	45c
9 P 2762	54 inches	1/2 inch	7 oz.	50c
9 P 2763	58 inches	1/2 inch	8 oz.	55c
9 P 2764	66 inches	1/2 inch	9 oz.	65c



Line Shaft, Hangers and Accessories

Accurately machined and finely finished parts of extremely high quality. The sturdy hangers have long wearing bronze bushings.

Catalog No.	Description	Shpg. Wt.	Each
(A) 9 P 2833	1/2-in. x 24-in. Steel Shaft	1 lb. 15 oz.	\$0.23
9 P 2834	1/2-in. x 48-in. Steel Shaft	1 lb. 15 oz.	.45
(B) 9 P 2822	Bronze Bushed Bearing (For 1/2-in. Shaft)	4 oz.	.25
9 P 2820	Wick Oil Cups	1 oz.	.05
(C) 9 P 2820	1/2-in. Rigid Coupling	5 oz.	.19
(D) 9 P 2839	1/2-in. Line Shaft Collar	2 oz.	.09
(E) 9 P 2824	Flexible Coupling (Specify 1/2, 3/4 or 1 in.)	12 oz.	.25
(F) 9 P 2828	1/2-inch Bronze Bushed Shaft Hanger	1 lb. 8 oz.	.89
(G) 9 P 2829	3/4-in. x 48 in. Steel Shaft	8 lbs. 8 oz.	.89
9 P 2829	3/4-inch Bronze Bushed Shaft Hanger	1 lb. 14 oz.	1.19
9 P 2825	3/4-in. Line Shaft Collar	3 oz.	.15



Hollow Head Set Screws

To take the place of ordinary set screws on machines. The tremendous pressure exerted by wrench prevents loosening. Made of chrome molybdenum steel. Shipping weight, each, 2 ounces.

9 P 2811—State size.	5c
1/4-in. hollow set screw	
3/16-in. hollow set screw	5c
9 P 2813—Wrench for above.	5c
Shipping weight, 1 ounce.	
For 1/4-in. set screw	5c
For 3/16-in. set screw	5c

Heavy-Duty Indexing Miter Gauge

Fits bench saws with 3/4 by 3/8-inch miter gauge groove. Reliable and efficient—takes all the guess work out of cutting miters. Saves you time and costly mistakes in miter cutting. Adjusts quickly to any angle desired—just set the dial—and saw! Easily readable scale. Fitted with accurate stops for the most frequently used angles. Sturdy construction—this gauge represents a real value at this low price. Shipping weight, 5 pounds.

9 P 2252 \$2.25



Hard Fiber Pulleys

Highest quality. Made with accurate bores. Faces won't wear smooth, won't slip. The finest made!

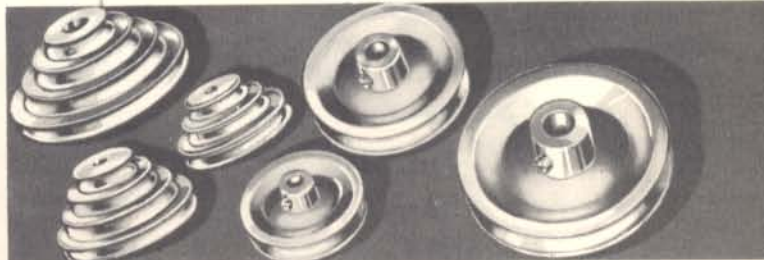
Diam. and Face, In.	For Shaft, In.	Shpg. wt., Lbs. Oz.	Each
1 1/2 x 2 1/2	1/2	12	\$0.98
2 x 2 1/2	3/4 or 1/2	12	1.00
2 x 2 1/2	3/4	1	1.00
2 1/2 x 2 1/2	1/2 or 3/4	1	1.00
2 1/2 x 2 1/2	3/4	1	1.00
3 x 2 1/2	3/4 or 1	2	1.00
3 1/2 x 3 1/2	1	2	1.00
4 x 4 1/2	1 1/4	4	1.98

Die Cast Pulleys

For use with flat belts. Sturdy and accurately made. Have nearly twice the tensile strength of cast iron. Give excellent service. Fitted with hardened set screws. Accurate bores fit shaft perfectly. Properly crowned so that belts run true and last longer. Carefully balanced to run smoothly without vibration. A quality pulley at a low price.

9 P 2798—State size and shaft diameter wanted.

Diam. and Face, In.	For Shaft, In.	Shpg. wt., Lbs. Oz.	Each
2 x 2	1/2	12	25c
2 1/2 x 2 1/2	3/4 or 1/2	1	30c



V BELT PULLEYS

A complete line for power tool use—each scientifically designed, carefully and accurately made of finest quality materials. There are no finer pulleys than these.

Scientifically Designed Cone Pulleys

Perfectly balanced at all speeds, these pulleys will give long, smooth running service. Made of highest quality alloy, long wearing. Special belt groove construction insures great pulling power and much longer belt life. Grooves accommodate 3/4 and 1/2-inch belts. State size of bore wanted.

No.	Size	Steps	Bore, In.	Diam., Step, In.	Shpg. Wt.	Each
9 P 2792	4 in.	4	1/2, 3/4 or 5/8	4, 3 3/4, 2 3/4, 2	1 lb. 10 oz.	50c
9 P 2793	5 in.	4	1/2, 3/4 or 5/8	5, 4 3/4, 3 3/4, 3	1 lb. 14 oz.	65c
9 P 2788	3 1/2 in.	3	1/2 or 3/4	3 3/4, 2 3/4, 2	1 lb.	50c

Highest Quality V Belt Pulleys

Made of highest quality alloy, sturdy and long wearing. Strong flanges and hub with heavy set screw. Finely balanced, true running pulleys of the highest quality. Grooves accommodate 3/4 or 1/2-inch wide V belts. Attractively finished in silver aluminum. Truly better pulleys. Not to be compared with the usual kind. Specify shaft diameter or bore wanted.

Number	Diam.	Bore	Shpg. Wt.	Each
9 P 2800	1 1/2 in.	1/2 in. only	3 oz.	14c
9 P 2801	2 in.	1/2 or 3/4 inch	5 oz.	20c
9 P 2802	2 1/2 in.	1/2, 3/4 or 5/8 inch	6 oz.	23c
9 P 2803	3 in.	1/2, 3/4 or 5/8 inch	7 oz.	27c
9 P 2804	4 in.	1/2, 3/4 or 5/8 inch	10 oz.	35c
9 P 2805	5 in.	1/2, 3/4 or 5/8 inch	15 oz.	45c
9 P 2806	6 1/2 in.	1/2, 3/4 or 5/8 inch	1 lb. 6 oz.	69c

Heavy Duty Steel V Pulleys

Large size pulleys built expressly for production work. Massive pressed steel construction with malleable iron hubs, carefully riveted for extra strength. Greater rigidity and ruggedness are supplied by the smoothly rolled edges on belt grooves. Interior of wheel is strongly welded. Husky, true running, long lived pulleys constructed of the finest materials. The highest grade production pulleys you can buy! Silver aluminum lacquered finish. Fit "V" belts 3/4 or 1/2 in. wide. State size of bore wanted.

Cat. No.	Diameter	Bore	Shipping Weight	Each
9 P 2808	8 in.	1/2, 3/4 or 5/8 inch	2 lbs. 4 oz.	\$1.00
9 P 2810	10 in.	1/2, 3/4 or 5/8 inch	3 lbs.	1.25
9 P 2812	12 in.	1/2, 3/4 or 5/8 inch	3 lbs. 12 oz.	1.60
9 P 2815	15 1/2 in.	1/2, 3/4 or 5/8 inch	6 lbs. 5 oz.	2.75



CRAFTSMAN

REG. U. S. PAT. OFF.

Motor Features:

- Extremely quiet running and highly efficient in operation.
- Meet all A. I. E. E., N. E. M. A., and Central Station requirements.
- Highest quality oversize phosphor bronze bearings.
- High starting torque; extremely low starting current.
- Equipped with wool yarn filtered oiling system.
- Will run continuously under rated load without overheating.
- Economical of current under all load conditions.

CRAFTSMAN

REG. U. S. PAT. OFF.

REPULSION-INDUCTION MOTORS

Built to the most exacting specifications in the electric motor industry by manufacturers with a world-wide reputation for quality. Because Sears are not only the world's largest distributors of power tools but also the largest dealers in fractional horse power motors sold at retail, you have a right to expect not only biggest value when you buy motors from us, but also the highest quality obtainable. And you get both! CRAFTSMAN Motors are popular all over America! They meet all A.I.E.E., N.E.M.A. and Central Station requirements. They operate with extraordinary efficiency, are very economical of current, start heavy loads and are built to last for many years. Rotors are in perfect balance, insuring smooth, quiet operation.

Guaranteed for 6 years against any defects in workmanship or material

Lubrication is by dependable wool yarn oiling, supplying a constant bath of filtered oil to the bearings at all times. Beautifully finished and full chromium trimmed. Beautiful, powerful, durable, money saving motors.

The high starting torque of these motors, their quiet, vibrationless operation and their speed of 1750 R.P.M. make them ideal for power tool use or for any job requiring a dependable source of trouble-free power at the snap of a switch! The finest motor you can buy. Priced to save you money.

Before ordering motors of 1-H.P. or

larger be sure to check with your power company to make sure whether you will require a single-phase or three-phase motor.

Motors of 2-H.P. or more are shipped prepaid from factory in New York City. Smaller sizes carried in stock.

Single Phase—Repulsion Induction

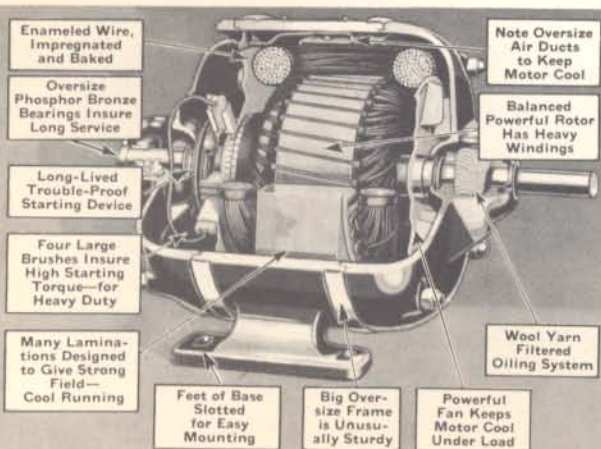
110-220 volt, 60 cycle A.C.

Catalog No.	H. P.	Shpg. Wt. Lbs.	Size, Shaft, Inch	Base Mountings	Cash Price
99 PM 5621	1/4	32	5/8	3 1/4 x 6 in.	\$11.75
99 PM 5622	1/2	37	5/8	3 3/4 x 6 in.	16.45
99 PM 5623	3/4	65	3/4	3 3/4 x 7 1/2 in.	22.50
99 PM 5624	1	72	3/4	4 3/4 x 7 1/2 in.	28.90
99 PM 5625	1 1/2	79	3/4	5 3/4 x 9 in.	37.90
99 PM 5626	1 1/2	142	1	6 3/4 x 9 in.	48.50
99 PM 5640	2	155	1	7 1/2 x 9 in.	59.50
99 PM 5641	3	167	1	7 1/2 x 9 in.	77.50
99 PM 5642	5	342	1 1/4	11 x 12 3/4 in.	120.00

Three Phase—Squirrel Cage Type

220-440 volt, 60 cycle A.C.

Catalog No.	H. P.	Shpg. Wt. Lbs.	Size, Shaft, Inch	Base Mountings	Cash Price
99 PM 5644	1	84	3/4	9 x 10 in.	\$35.00
99 PM 5645	1 1/2	115	1	10 3/4 x 11 in.	42.00
99 PM 5627	2	130	1	11 x 11 1/2 in.	45.00
99 PM 5628	3	135	1	11 x 11 1/2 in.	55.00
99 PM 5629	5	173	1 1/4	12 1/2 x 13 1/4 in.	70.00
99 PM 5646	7 1/2	278	1 1/4	14 x 15 in.	80.00
99 PM 5647	10	345	1 3/4	16 x 17 in.	99.50



CRAFTSMAN

REG. U. S. PAT. OFF.

Heavy Duty Ball Bearing Double Drive Shaft Motor

This motor has every fine quality of the motors described above plus a double drive shaft and genuine SKF Ball Bearings. This construction permits them to be operated in any position and increases the number of uses to which these motors may be put. Single Phase repulsion-induction type, made for 110-120 volt 60 cycle A.C. 1/2-H.P. 1750 R.P.M. The finest motor you can select for any power tool. Shipping weight, 68 pounds.

99 PM 5619 \$25.75

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Easy Terms
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\$20 OR MORE
SEE INSIDE
FRONT COVER



COMPANION Capacitor Type Motors BALL BEARING

- Guaranteed for 6 years against defects in workmanship or material.
- Produce greater starting torque.
- Use less starting current than split phase motors.
- Double drive shaft and precision ball bearings.

These sturdy, long wearing motors are second in quality only to our CRAFTSMAN motors described on opposite page. They are ideal power units for drill presses, grinders, bench saws, lathes, planers and other power tools. Capacitor type design greatly improves their operation. For 110-120 volt 60 cycle A.C. Operating speed, 1750 R.P.M. (except 99 PM 5617). Complete with switch, rubber covered cord and rubber plug.

99 PM 5613—1/2-H.P. Shpg. wt., 32 lbs. \$11.90
99 PM 5614—1/2-H.P. Shpg. wt., 35 lbs. 14.75
99 PM 5617—For high speed power tools such as jointers, shapers, etc. 1/2-H.P. 3450 R.P.M.
Shipping weight, 36 pounds \$14.75

COMPANION Split Phase Motors BALL BEARING

- Guaranteed for 4 years against defects in workmanship or material.
- Has double drive shaft and precision ball bearings.
- Heavier field windings.
- Larger cooling ducts, frame castings and bearing housings.

Here's the motor that "scooped" the field! One of the finest split phase motors ever sold. Bigger, stronger and better—will give added years of trouble-free service. There's none to compare with it anywhere near our price. Recommended for shop tools not requiring the large starting torque of CRAFTSMAN motors. Will handle heavy running loads if they are easily started. For 110-120 volt 60 cycle A.C. 1750 R.P.M. With switch, rubber covered cord and plug.

99 PM 5607—1/2-H.P. Shpg. wt., 29 lbs. \$8.90
99 PM 5610—Same as 99 PM 5607 except with starting and reversing switch and 10 feet of tested cord. Shpg. wt., 32 lbs. \$11.75

KENMORE Split Phase Motors BRONZE BEARING

- Guaranteed for 3 years against defects in workmanship or material.
- Extra heavy bronze bearings.
- Wool yarn oiling supplies constant filtered lubrication to bearings at all times.
- Splashproof end plates.

KENMORE motors are America's value leaders in the low priced motor field. They are built to give you unmatched service for all light shop tools, washing machines and other loads that do not call for a high starting torque. Rotors are accurately and individually balanced to insure quiet, smooth running performance. Heavy steel shaft is turned down to 1/2 inch at pulley end to accommodate standard accessories. Operating speed, 1750 R.P.M. For 110-120 volt 60 cycle A.C. Complete with rubber covered cord and rubber plug.

99 PM 5601—1/4-H.P. Shpg. wt., 27 lbs. \$5.75
99 PM 5602—1/2-H.P. Shpg. wt., 29 lbs. 8.35



Starting and Reversing Switch

- Toggle switch and reverse lever prevent accidental reversal of motor when in use.
- Mounts on tool. With 10 feet of tested cord. Permits operator to place switch in most convenient location.
- Heavy arc-proof contacts.

When used with your shaper you can get double the number of patterns from your present set of cutters by inverting cutters and reversing rotation of shaper spindle! Also essential for grinding operations on screw cutting lathes. For all split phase and capacitor type motors. Repulsion induction motors may be reversed by shifting the position of their brushes. Shipping weight, 2 lbs.

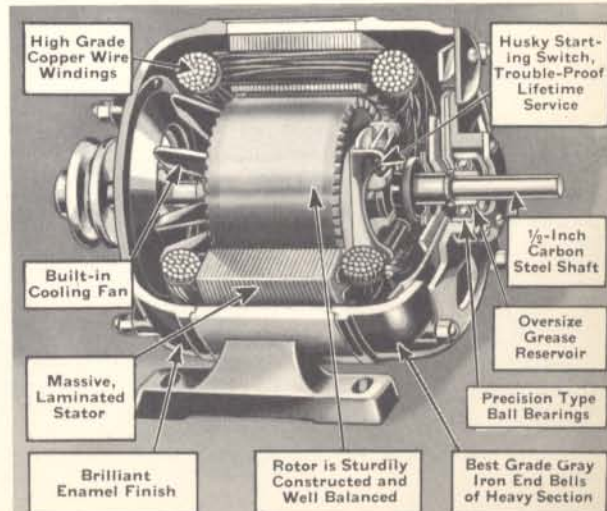
9 P 2626 \$2.95

COMPANION Repulsion-Induction High Speed Motors BALL BEARING \$19.50

Biggest value we have ever offered in high speed motors. These husky double drive shaft motors have plenty of reserve power and are fitted with finest quality ball bearings. They have large cooling ducts, frame castings and bearing housings. Carefully built of the finest materials. A thoroughly reliable high speed motor at the lowest possible cost. Recommended for shapers, bench saws, jointers or other power tools where a motor speed of 3450 R.P.M. is wanted. Adaptable for general use. With built-in starting switch and rubber covered cord.

99 PM 5608—1/2-H.P. Shipping weight, 33 pounds \$19.50
99 PM 5611—3/4-H.P. Shipping weight, 45 pounds 28.95

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Solid steel construction, careful manufacture make this machine stand well suited for use with power tools. Only the wide acceptance this bench has received, permitting quantity purchase, makes this price possible. Unbeatable in value!

Easy Terms
ON ORDERS OF
\$20 OR MORE
SEE INSIDE
FRONT COVER

COMPANION

All-Steel Heavy Duty MACHINE STAND

An extra heavy, rigid machine stand developed expressly for use with power tools. Our comparisons lead us to believe this is one of the finest machine stands being built today. Its appearance in the home workshop or industrial establishment ushers in an era of efficiency and order . . . of cleanliness. Beautifully made of steel throughout and constructed in such a manner that all resonance or "hum" has been brought to a minimum. Top and shelf are secured to legs at their corners with unusual rigidity. Legs are drilled with six holes, for varying height of steel top or motor shelf. Tops are finished in a lustrous black, the legs in royal blue. Packed flat for shipping, very easily assembled. Made of 12-gauge steel; much heavier than others use. Sold at a world beating price, the quality is unquestionable. Order yours today and save at Sears!

99 P 2719—In four sizes. State size wanted.

Size, top, 10x21 inches. Height, 29 inches. For use with 10-inch and 12-inch band saw. Shipping weight, 32 pounds. . . . \$4.25

Size, top, 10x21 inches. Height, 31 inches. For use with most other power tools except jig saw on page 33, and bench saws on pages 4 and 6. Shipping weight, 33 pounds. . . . \$4.25

Size, top, 10x34 inches. Height, 31 inches. For 24-inch jig saw and 6-inch jointer. Shipping weight, 36 pounds. . . . \$4.95

Size, top, 16x21 inches. Height, 31 inches. For bench saw 99 PM 2236 on page 4. Shipping weight, 39 pounds. . . . \$4.95

SMOOTH CUTTING, PRECISION MADE CIRCULAR SAWS



CRAFTSMAN and FULTON Circular Saws

CRAFTSMAN Saws—Made of special analysis saw steel, carefully hardened and tempered. Thoroughly inspected to insure perfect roundness. Proper tension given by highly skilled master saw makers makes the face smooth as glass and gives proper rigidity. Hand set and filed, ready for use. America's finest circular saws.

FULTON Saws—Made of high carbon saw steel, properly heat treated and hardened. Hand set and filed, ready for use. Meets the demand for a better low priced saw. Value that's 'way ahead of the price.

Combination Saws

Handiest of all circular saws because they are specially designed for cross cutting, ripping or mitering. **COMPANION plain tooth saws** and **FULTON flat ground saws** are set and filed and cut fast and easy in all woods. **CRAFTSMAN hollow ground saws** are made from special analysis saw steel, tempered and hardened. They run without set and cut slower but leave your work with an exceptionally smooth finish.

Diameter, Inches	Gauge	Center Hole, In.	Revolutions Per Minute	Shpg. Wt.	CRAFTSMAN		FULTON		COMPANION Comb.	CRAFTSMAN Comb.	FULTON Comb.
					Cut-off 9 P 4927	Rip 9 P 4928	Cut-off 9 P 4923	Rip 9 P 4924	Plain Tooth 9 P 4936	Hollow Ground 9 P 4939	Flat Ground 9 P 4938
6	18	1/2 or 3/8	4000	8 oz.	\$1.49	\$1.49	\$0.89	\$0.89	.....	\$2.45	\$1.00
7	18	1/2 or 3/8	3500	10 oz.	.....	.....	.....	.....	\$1.00	2.85	1.20
8	18	1/2 or 3/8	3500	13 oz.	2.19	2.19	1.35	1.35	1.45	3.25	1.45
10	16	3/4 or 1	3500	1 lb. 12 oz.	2.69	2.69	1.65	1.65	.....	4.39	1.85

We stock center hole sizes listed above but supply any size up to 2 inches without extra cost.

MAGAZINES FULL OF INTERESTING PROJECTS

Available Each Month at Your Sears Retail Store

Clear descriptions—large scale working drawings—plenty of photographs—so that you can easily make anything from a toy or novelty to a strong and sturdy set of house furniture! No experiments—but articles of proven usefulness actually made at the work bench!

Every issue of these big monthly magazines is filled from cover to cover with helpful information on how to make and do things in and about the home. Every story complete—details and instructions readily understandable. If you've been hunting for new things to make—things you'll enjoy making, here are magazines you'll be glad to have!

Below you will find a partial list of subjects covered in previous issues

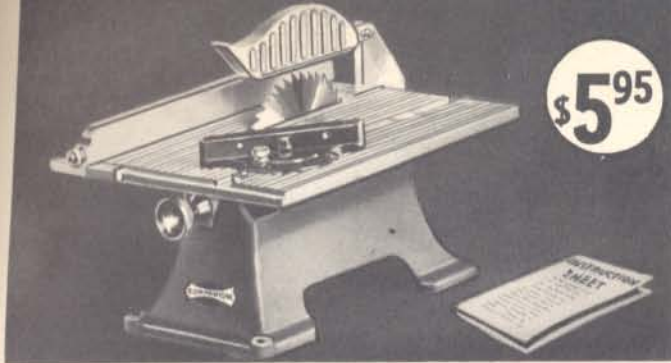
Rustic Furniture
A Model 40-Foot Cruiser
Pipe Rack
Aquarium
A 20-Foot Sailing Sloop
Lawn Chairs
Interesting Bird Houses
Antique Sewing Table
Model of U.S.S. Niagara
Butterfly Table
Well Designed Andirons
Child's Kitchen Cabinet
Melodious Dinner Chimes
Novel Duck Lamp

Doll House Furniture
Castle for Toy Soldiers
Rustic Mail Box
Children's Breakfast Nook
New England Sled
Simple Ship's Lantern
Early American Desk Box
Four-Poster Bed
18th Century Secretary
Hepplewhite Dining Table
Old "Shaker" Rocker
Scroll Saw Novelties
Double Deck Fireplace
Boathouse

Miniature Grandfather's Clock
Workshop Muffle Oven
Window Screen Frames
Winter Fishing Shelter
Pirates' Treasure Chest
Fast 16-Foot Runabout
Novelty Windwheel
Jig-Saw Circus Train
Roulette Wheel
Book Binding
Kitchen Table
Coffee Table
Surf Board
Fly Rod

ON SALE EVERY MONTH AT SEARS RETAIL STORES





\$5⁹⁵

COMPANION 6-Inch Bench Saw

- Auto-lubricated bronze bearings.
- Table tilts to any desired angle up to 45 degrees.
- 6-in. combination blade cuts miter joints, crosscuts and rips.
- Sturdy cast iron base. Over all height, 10½ inches; width, 11 inches. Length, 14¼ in. Depth of cut, 1½ inches.

COMPANION tools are built to a quality standard—made of the finest materials, carefully machined, accurately assembled. At their price they have the largest capacity consistent with good workmanship. Sears are by far the largest distributors of power tools in the world. Their buying power will secure for you more quality, capacity and good workmanship than you can possibly get for the same money elsewhere. Comparisons are invited, price for price, size for size, quality for quality.

A real 6-inch bench saw. Has auto-lubricated long life bronze bearings, miter gauge, rip fence, approved guard and splitter. Tilting table has adjustable stops at 90 and 45 degrees. Shipping weight, 27 pounds.

99 PM 2226—COMPANION 6-inch Bench Saw. \$5.95

Easy Terms! ON ORDERS OF \$20 OR MORE SEE INSIDE FRONT COVER



\$4⁹⁵

COMPANION 8x34-Inch Lathe

We could have built this lathe larger—we preferred to build it better—with a heavier ¾-inch finely machined spindle, auto-lubricating bronze bearings, better cup and spur centers—fitting each part together more carefully—giving you a better, smoother running lathe that would last longer. The headstock is designed like those on the large factory type production lathes. It is up-to-date, stronger, sturdier and smoother running. Tailstock is of equally advanced design. The finest quality lathe anywhere near its price. Heavy gray iron construction. 25 inches between centers. Equipped with ball thrust bearing, 6-inch tool rest and all fittings as illustrated above. Shipping weight, 24 pounds.

99 PM 2013—COMPANION 8x34-Inch Lathe. \$4.95

Lathe Sanding Attachment

Do accurate and thorough sanding or grinding. Complete with tilting table, for use on lathe above. Use with sanding disc 9 P 2158 below. Shipping weight, 6 lbs. 8 oz.

9 P 2214.....\$1.95



START A WORKSHOP!... SAVE AT SEARS LOW PRICES



\$4⁹⁵

COMPANION 11-Inch Jig Saw

- Finely balanced mechanism operates in an oil tight crankcase similar to that in your automobile.
- Saw dust blower. Bridge truss type frame.
- Larger, 8¼-inch square table tilts to 45 degrees.

We could easily add more weight—but chunks of iron do not make machines. Workmanship and better design produce quality. Do not be misled by false statements. Operate the saws for comparison. The COMPANION mechanism runs in an enclosed bath of oil as in the most expensive jig saws. Balanced mechanism produces greater smoothness than weight alone. Cuts to the center of a 22-inch circle. No other saw of this quality is sold for less than \$10.00. Get the quality and satisfaction you can obtain only from the largest distributor of power tools. Shipping weight, 16 pounds.

9 P 2258—COMPANION 11-inch Jig Saw.....\$4.95

COMPANION Drill Press

- For wood or metal drilling.
- Oversize auto-lubricated bronze bearings.
- Large ball thrust bearing in head.
- Fine quality ¾-inch drill chuck. 1½-in. spindle travel.
- Adjustable drill head.
- Height, over all, 31¼ inches.

You can handle a surprising amount of work on this sturdy drill press, and very rapidly, for it is built with the same column construction as the larger drills. The over-size bearings are auto-lubricated bronze type, with large ball thrust bearing mounted in head. Adjustable drill head and table. Pulley fitted with safety guard. Equipped with adjustable idler drive and spring loaded feed lever.

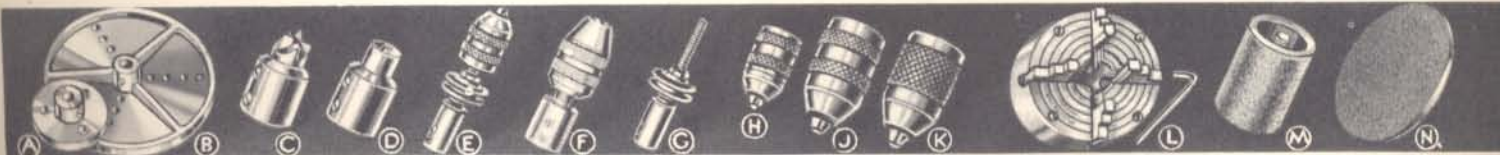
Shipping weight, 18 pounds.

99 PM 2374.....\$4.95



\$4⁹⁵

We recommend COMPANION ½-H.P. motor (see page 39) for all power tools on this page. See also No. 9 P 2280 motor rails on page 36.)



Face Plates

For all CRAFTSMAN and COMPANION lathes with ¾-in. plain spindles. Carefully machined and balanced.

9 P 2080—3-in. Shipping weight, 9 ounces. 75c

9 P 2081—6-in. Shipping weight, 1 pound. \$1.00

Spur Center

For all CRAFTSMAN and COMPANION lathes with ¾-in. spindles. Removable center. Shipping weight, 6 ounces.

9 P 2105.....65c

Cup Center

Carefully made, hardened steel cup center for tailstock of lathe. Replaceable center pin. Fits any ¾-in. spindle. Shipping weight, 6 ounces.

9 P 2102.....65c

Work Arbor

Fits any ½ or ¾-in. spindle. Has finely faced steel collars for grinding or buffing wheel, and well made 3-jaw ½-inch chuck. State spindle size. Shipping weight, 1 pound 10 ounces.

9 P 2118.....85c

½-Inch CRAFTSMAN Drill Chuck and Arbor

Carefully made 3-jaw steel chuck with adapter, for all CRAFTSMAN lathes with ½-in. or ¾-in. spindles. High grade, accurately ground. State spindle size. Shipping weight, 1 pound 6 ounces.

9 P 2140.....95c

Work Arbor

Same as 9 P 2118, above, but without chuck. Has finely faced steel collars to clamp grinding or buffing wheel. State spindle size. Shpg. wt., 15 oz.

9 P 2120.....39c

3-Jaw Chucks

A special development in a 3-jaw chuck with jaws held firmly in position by guides within the shell. Far superior to ordinary chucks. Fit ½-in. 24-thread per in. spindles.

9 P 2130—¼-inch capacity. Shipping weight, 5 ounces. 23c

9 P 2132—½-inch capacity. Shipping weight, 12 ounces. 50c

9 P 2134—½-inch capacity. Highest quality. Shpg. wt., 1 lb. 75c

9 P 2136.....\$4.65

4-Jaw Independent Chuck

4-in. capacity; reversible jaws. Well made, nicely machined. Fits any lathe with ¾-inch spindle. Shipping weight, 3 pounds 12 ounces.

9 P 2136.....\$4.65

Drum Sander

Accurately made. Complete with sleeve and adapter. Fits ½-in. shaft. Shpg. wt., 1 lb. 2 oz.

9 P 2520.....98c

9 P 2522—Sanding sleeve for above drum. Fine, medium or coarse. State grit wanted. Shipping weight, 2 ounces. 10c

Sanding Discs

Carefully machined and balanced aluminum discs fitted with sandpaper. Fit only ¾-in. spindle.

9 P 2158—6-in. Shpg. wt., 1 lb. \$1.00

9 P 2159—8-in. Shpg. wt., 1 lb. 8 oz. 1.50

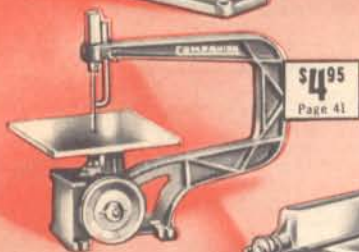
Nation-Wide Approval Keeps Sears First in Power Tool Sales

CRAFTSMAN AND COMPANION POWER TOOLS

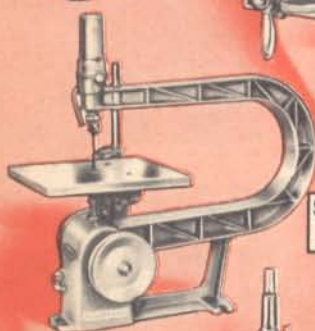
SET THE NATION'S STANDARD
OF QUALITY AND VALUE



\$5.95
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\$4.95
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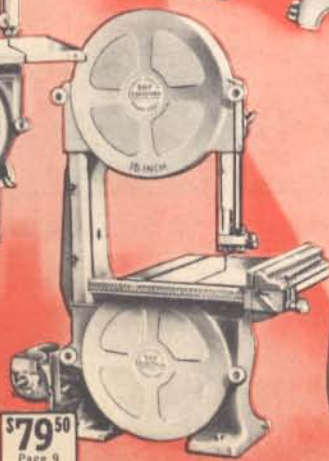
\$10.95
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\$16.95
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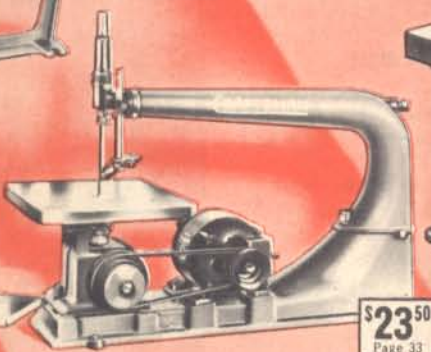
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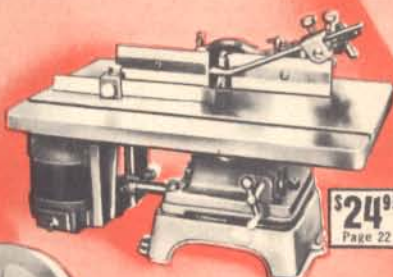
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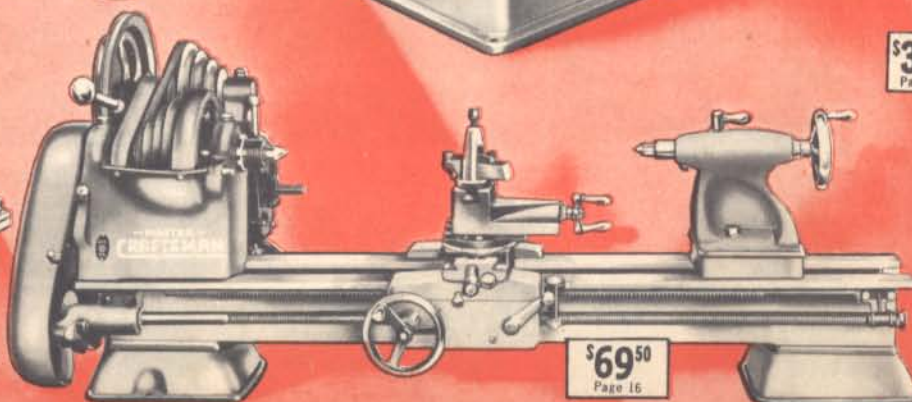
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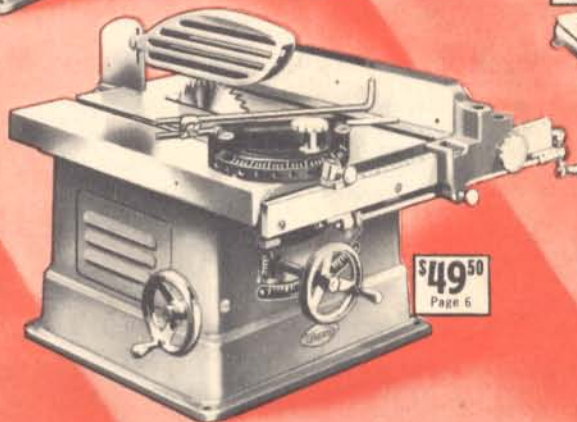
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\$33.50
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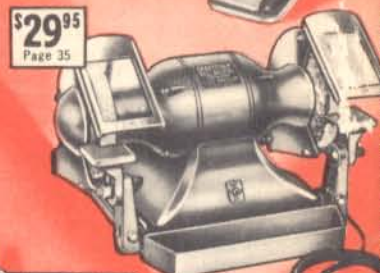
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\$12.95
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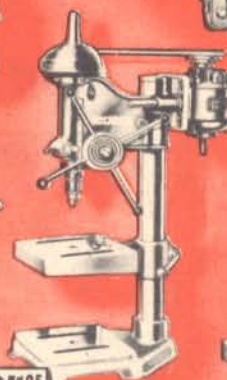
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