

Reccomended Saw Related Documents

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⁰”Reccomended Documents”.tex 3 November 2021 15:40

1 Reccomended Documents, etc

1. None of this information is required to appreciate how unique a one, or two, man crosscut saw is designed or built. However by reading as much of this information as possible an appreciation of their unique design and their implications should become clear.
2. When watching the five part series from “The Crosscut Sawyer Companion Video” some consideration of what happens to saws that are not currently the most used/important item in the wood can happen. They get bent, rusted and ignored. I saw one at a flea market that had been used as the edge of a cement form!
3. Part of the demise of crosscut saws is the advent of practable chain saws. The chain saw became practable somewhere in the 1950s and the old crosscut saws were rapidly ignored, misused and not cared for. There have been very few new crosscut saws made since the 1920s. Part of this was caused by the depression of the 1930s and part by the slow advances of the chain saw. In between during this time there were the “drag saws” which took two or three men to operate and move.
4. Whenever I could, I downloaded and edited USFS data about each publication.
5. The following documents, and videos, have a “normal” PDF name and a “fully qualified WEB address”. If the “normal” PDF name is cut and pasted into Google, or equivalent, a search should find it. However if the “fully qualified WEB address” is clicked on it will usually take you directly to the PDF. In the current internet world of the WEB, the same file name might exist in several places, while the fully qualified address will usually direct you to an original, or official for USFS, copy of the file. The original file will probably be virus free while a random copy might have problems. YMMV!
6. I was not always able to find a fully qualified address for some of the PDFs here.
7. I have personally downloaded each of these files and verified that the fully qualified names gave the expected results.
8. I have made an attempt to put the fully qualified WEB address on its own line. Sometimes the address is so long that I had to make the type smaller than normal. That should be OK because Google, and similar, has no problems reading small type.
9. Some of the files are quite large or the videos might be longer than expected. I have indicated the size for each with some of the items. Note that all of these values are approximate.
 - **PDF files** These will have their size in bytes indicated followed by their length in pages. i.e. (10mb/100P) indicates a 10 Mbyte file that is 100 pages long.
 - **Video files** These will have an approximate run time indicated in minutes. i.e (22 min) indicates a video that is about 22 minutes in length.

1.1 Crosscut and Chain Saw Information

1. 1923-2M01_CrosscutSawsAndRelatedTools.pdf Recent poster information about saws.
2. Michael, David ; Vachowski, Brian. 2004. Saws That Sing: A Guide to Using Crosscut Saws. 0423 2822P. Missoula, MT: U.S. Department of Agriculture, Forest Service, National Technology and Development Program. 64 p.

This comprehensive guide presents time-tested techniques for using and maintaining vintage crosscut saws. It includes descriptions of different types of crosscut saws, saw handles, and wedges, as well as instructions for bucking logs with crosscut saws. Numerous illustrations and photos explain the key points.

Keywords: traditional skill, traditional tool, wilderness management

<https://www.fs.fed.us/t-d/pubs/pdfpubs/pdf04232822/pdf04232822dpi300.pdf> (32322 kb/72 p)

3. Miller, Warren. 1977. Crosscut Saw Manual. 7771 2508. Missoula, MT: U.S. Department of Agriculture, Forest Service, National Technology and Development Program. 35 p.

Explains how to use and care for a crosscut saw, including cleaning, straightening, jointing, fitting rakers, pointing up cutter teeth, setting teeth, and testing the saw. The report includes many photographs and drawings. It also includes a glossary of terms.

Keywords: traditional skill, traditional tool, wilderness management

<https://www.fs.fed.us/t-d/pubs/pdfpubs/pdf77712508/pdf77712508dpi300.pdf> (1119 kb/35 p)

<https://www.fs.fed.us/t-d/pubs/pdfpubs/pdf77712508/pdf77712508dpi72.pdf> (424 kb/34 p)

4. www.youtube.com/watch?v=xdq6pdpKmoc The Crosscut Sawyer Companion Video 43 mins.
5. The Crosscut Saw Filer (Companion Videos):

- Part 1 (33 mins): www.youtube.com/watch?v=kD976N1xrSE
- Part 2 (22 mins): www.youtube.com/watch?v=Nu3U04c3Hks
- Part 3 (34 mins): www.youtube.com/watch?v=BcW1cX5jmq4
- Part 4 (28 mins): www.youtube.com/watch?v=QKyCPMKs770
- Part 5 (16 mins): www.youtube.com/watch?v=d8GsCNKtiKA
- Vintage video “The Sawyers” (45 mins): www.youtube.com/watch?v=L_addUBt2sc

1.2 Saw Training

1. Wolf, Jerry ; Whitlock, Chuck . 2006. **Chain Saw and Crosscut Saw Training Course**. 0667 2C01. Missoula, MT: U.S. Department of Agriculture, Forest Service, National Technology and Development Program.

The 16- to 32-hour saw training course is designed to provide the technical knowledge and basic skills employees or volunteers need to use chain saws and crosscut saws safely. The training course materials include two guidebooks. The instructor's and student's guidebooks are identical—except that the instructor's guidebook also contains instructor's notes.

Keywords: traditional skill, traditional tool

- <https://www.fs.fed.us/t-d/pubs/pdfpubs/pdf06672805/pdf06672805dpi72.pdf>
Chain Saw and Crosscut Saw Training Course Student's Guidebook Standard resolution (0667-2805-MTDC, 3849 kb/99p)
 - <https://www.fs.fed.us/t-d/pubs/pdfpubs/pdf06672805/pdf06672805dpi300.pdf>
Chain Saw and Crosscut Saw Training Course Student's Guidebook High resolution (0667-2805-MTDC, 14184 kb/99p)
 - <https://www.fs.fed.us/t-d/pubs/pdfpubs/pdf06672804/pdf06672804dpi72.pdf>
Chain Saw and Crosscut Saw Training Course Instructor's Guidebook Standard resolution (0667-2804-MTDC, 4926 kb/103p)
 - <https://www.fs.fed.us/t-d/pubs/pdfpubs/pdf06672804/pdf06672804dpi300.pdf>
Chain Saw and Crosscut Saw Training Course Instructor's Guidebook High resolution (0667-2804-MTDC, 15714 kb/103p)
2. www.fs.usda.gov/managing-land/trails/trail-management-tools/national-saw-program
National Crosscut and Chainsaw Program
 3. Sawyer Certification Levels:
 - Trainee Sawyer:
www.fs.usda.gov/sites/default/files/2019-12/crosscut-sawyer-trainee-12-30-2019.pdf
 - A Sawyer:
www.fs.usda.gov/sites/default/files/2019-12/a-sawyer-12-30-2019.pdf
 - B Sawyer:
www.fs.usda.gov/sites/default/files/2019-12/b-sawyer-12-30-2019.pdf
 - C Sawyer:
www.fs.usda.gov/sites/default/files/2019-12/c-sawyer-evaluator-12-30-2019.pdf
 4. Personal Protective Equipment (PPE):
www.fs.usda.gov/sites/default/files/2019-12/personal-protective-equipment-required-for-saw-operations-12-30-2019.pdf
 5. Wolf, Jerry. 2006. **Situational Awareness Exercise for Crosscut Sawyers**. 0667 2P02. Missoula, MT: U.S. Department of Agriculture, Forest Service, National Technology and Development Program. 15p.

This sawyer safety training presentation can help students learn how to make safe sawing decisions and recognize common mistakes that occur during sawing operations.

Keywords: felling, handles, hazards, PPE, saw sheaths, situational awareness, solvents, traditional skill, traditional tool, wedges

<https://www.fs.fed.us/t-d/pubs/pdfpubs/pdf06672P02/pdf06672P02.pdf> (888 kb)

1.3 Ax Information

1. 1623-2M04_Poster-SizeAxeDrwgs-08-09-17-All-Pages.pdf Recent poster information about axes.
2. Beckley, B. 2019. One Moving Part: The Forest Service Ax Manual. 1823 2812P. Missoula, MT: U.S. Department of Agriculture, Forest Service, National Technology and Development Program. 249 p.

This manual provides information about different types of axes and their historic and current usage in the U.S. Department of Agriculture, Forest Service. Subjects covered include the anatomy of an ax, types of axes and related tools, selecting the right ax for you, the art of filing, sharpening an ax head, restoring or replacing an ax handle, using an ax, maintaining an ax, and purchasing an ax. The manual also includes a list of resources and information about ax manufacturers and suppliers.

Keywords: adzes, ax, axes, crosscut saws, double-bit axes, felling, handtools, hand tools, heritage, logging, lumberjacks, primitive skills, primitive tools, pulaskis, single-bit axes, survival skills, traditional skills, traditional tools, trails, two-man saw, wilderness

- https://www.fs.fed.us/t-d/pubs/pdfpubs/pdf18232812P/1823-2812P_AxManual_508_10-21-20c_150dpi.pdf (70379 kb/249 p) Standard resolution
 - https://www.fs.fed.us/t-d/pubs/pdfpubs/pdf18232812P/1823-2812P_AxManual_508_10-21-20c_400dpi.pdf (295886 kb/249 p) High resolution
3. pdf99232823Pdpi300.pdf An Ax to Grind, A Practical Ax Manual
www.fhwa.dot.gov/environment/recreational_trails/publications/fs_publications/pdf/pdf99232823.pdf
 4. An Ax to Grind (Companion Videos):
 - Part 1 30 mins: www.youtube.com/watch?v=IHmTLDG5aSg
 - Part 2 30 mins: www.youtube.com/watch?v=uYNHWH6ipic
 - Vintage video “The Axman” 20 (with ads): www.youtube.com/watch?v=fc0mdjknbPM

1.4 Saw Related Tool Information

1. pdf02232324dpi300.pdf Crosscut saw Tooth-Setting Tool
2. pdf97232341dpi300.pdf Crosscut Saw Guards
3. pdf05232815dpi300.pdf New Tools for Old Saws

4. pdf02232330dpi300.pdf Crosscut Saw Underbucking Tool
5. pdf04232825dpi300.pdf Trail Construction and Maintenance Notebook, 2004 Edition
6. pdf05232810dpi300.pdf Handtools for Trail Work, 2005 Edition
7. NTDP-632.pdf Technical drawings about a Pulaski tool.

1.5 Misc Data

1. Beckley, Bob. 2011. Visual Danger Tree Indicators (poster). 1167 2M13. Missoula, MT: U.S. Department of Agriculture, Forest Service, Missoula Technology and Development Center.
This poster shows some of the common defects that create a danger tree. By learning to identify these hazards, firefighters, forest technicians, and sawyers increase their situational awareness and know when to walk away. Danger tree identification includes assessing the worksite, determining if trees in the area are safe, and deciding on a mitigation method.
Keywords: chain saws, crosscut saws, felling, firefighting, first aid, hazard trees, personal protective equipment, PPE, safety at work, terrain
<https://www.fs.fed.us/eng/pubs/pdfpubs/pdf11672M13/pdf11672M13dpi300.pdf> (51890 kb/1 p)
2. Forest Service Data References.txt Where various sources of USFS, and friends, data exist.
3. Forest Service Document Links.txt Typical format of web addresses for a USFS document.
4. Obtaining Forest Service Documents.txt