

TOOL TIME – TOOL SHARPENING WORKSHOP

Bill Minter

OUTLINE

Introduction:

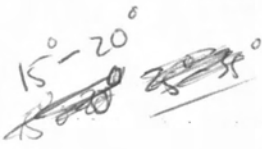
Credit to Bill Anthony

Importance of quality hand-tools to quality of work; tools are personal

Quote from Jeff Peachy

Quote from Eric Gill

Slides:



Comments about the Board Shear. A complete video will be available

Understanding the bevel and its importance to a sharp edge

What is a sharp edge?

Methods of grinding a bevel; jigs or free-hand

Finish sharpening with Japanese Waterstones

SEM photos of sharp edges

Fine-grain metal

Spokeshave: blades and modifications

*Record replacement blades
Hack spokeshave blades
Mendocino, CA*

Demonstrations:

Obtaining a bevel with a Belt Sander

Flattening the Waterstones

Flattening the back of the tool/knife

Honing the bevel on various grits of Japanese Waterstone

Other methods of honing the bevel including Micro-Finish Abrasives

The Strop and various abrasive compounds

The Spokeshave

Enlarging the throat and flattening the sole

Sharpening the blade with a long bevel and slight moon shape

Paring with the Spokeshave, especially using the Skew Cut

*90 grit
carbon
powder
on glass
to flatten
waterstones*

*course 240 — 600 800 1000
6000 finest*

*15 micron
web by
pepe*

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SUPPLY SOURCES

GARRETT WADE

161 Avenue of the Americas
New York, NY 10013
800-221-2942

THE JAPAN WOODWORKER

1731 Clement Avenue
Alameda, CA 94501
800-537-7820

LEE VALLEY & VERITAS

12 East River Street
Ogdensburg, NY 13669
800-871-8158

1090 Morrison Drive
Ottawa, Ontario K2H 1C2 CANADA

www.leevalley.com

*Wabersstone kot
w/ tool*

*"Stone Pond"
plus.*

McMASTER-CARR SUPPLY

(Veg-tanned leather and other materials)

Internet: www.mcmaster.com
Cleveland, OH
330-995-5500

Chicago, IL
630-833-0300

*Shops
Belt grinder \$177.-*

SPECIALTY KNIVES

JEFFREY S. PEACHEY Book, Paper and Archives Conservator

150 East 3rd Street
New York, NY 10009
212-387-7860

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READING LIST

- Engler, Nick SHARPENING -- THE WORKSHOP COMPANION
Rodale Press, Emmaus, Pennsylvania, 1994
- Kirby, Ian SHARPENING WITH WATERSTONES -- A Perfect Edge in 60 Seconds
Camdium Press, Bethel, Connecticut, 1998
- Lee, Leonard THE COMPLETE GUIDE TO SHARPENING ✱
Taunton Press, Newtown, Connecticut, 1995

VIDEOS

- Brock, David TOOL SHARPENING Guild of Book Workers -- Standards of Excellence
Istor Productions, Portland, Oregon, 1985
- Lee, Leonard SHARPENING WOODWORKING TOOLS
Algrove Publishing, Ottawa, Ontario, Canada, 1997

