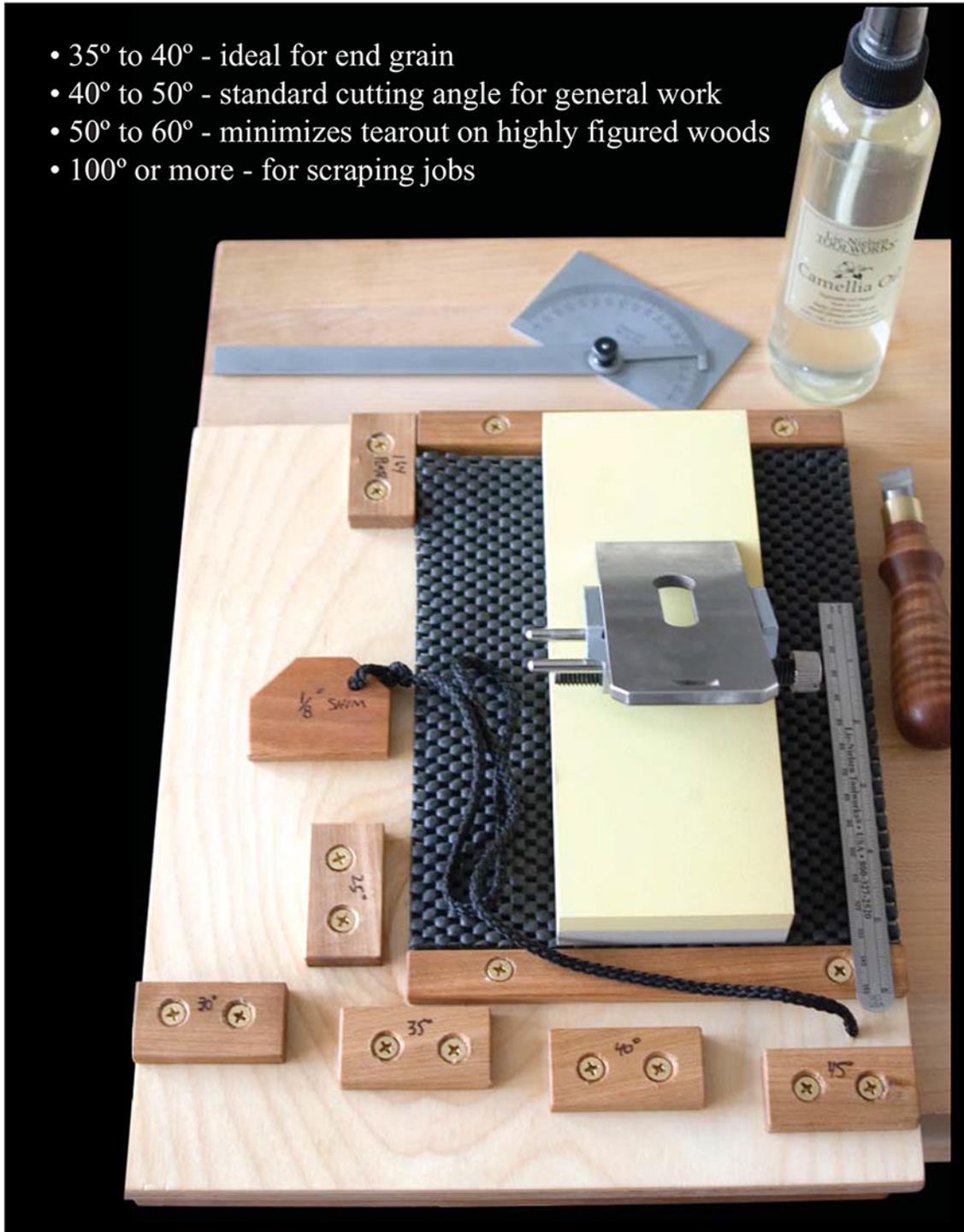


Angle Setting Jig & Accessories

Build a reference jig to make sharpening easy.

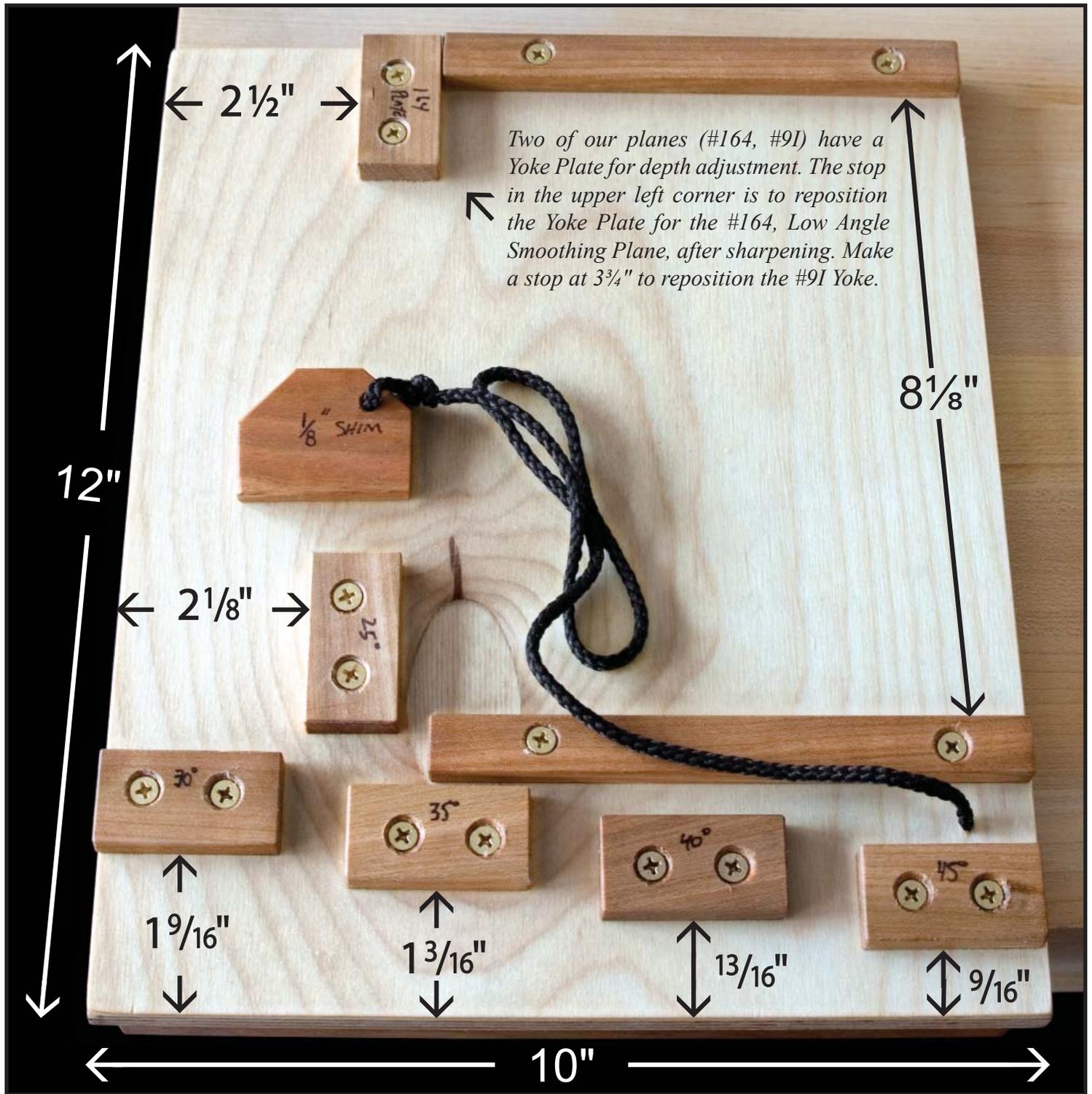
Angles are intended as a guide - the exact angle is not as important as finding what works and using a sharpening method that allows you to re-sharpen at the same angle each time.

- 35° to 40° - ideal for end grain
- 40° to 50° - standard cutting angle for general work
- 50° to 60° - minimizes tearout on highly figured woods
- 100° or more - for scraping jobs



Recommendations: The tools you should have along with your jig include a sharpening stone (Norton 1000/8000 grit stone pictured), honing guide, measuring tools (protractor and a thin 6" ruler), screwdriver (Lie-Nielsen No.4 Screwdriver pictured) and Camellia oil or Jojoba oil for keeping rust at bay after sharpening.

The Angle Setting Jig



Materials

- $\frac{1}{2}$ " plywood; 10" x 12"
- Hardwood stop material; $\frac{3}{8}$ " thick, 1" wide, 2" long
- Hardwood cleats for waterstone $\frac{3}{8}$ " x $\frac{5}{8}$ " x 6" long
- Assemble the board like a bench hook, with a cleat measuring $\frac{1}{2}$ " x $\frac{3}{4}$ " x 10" attached on the bottom side, beneath the angle stops.
- Twenty $\frac{3}{4}$ " brass screws
- Drawer liner (no-skid material) pictured on first page.
- $\frac{1}{8}$ " thick shim, $1\frac{1}{4}$ " x 2"
- 12" long string

Please note: All measurements will achieve approximate angles. In order to achieve the most accurate results when constructing your own jig, use a protractor to record exact measurements for each angle.

Finding the Proper Projection Distance

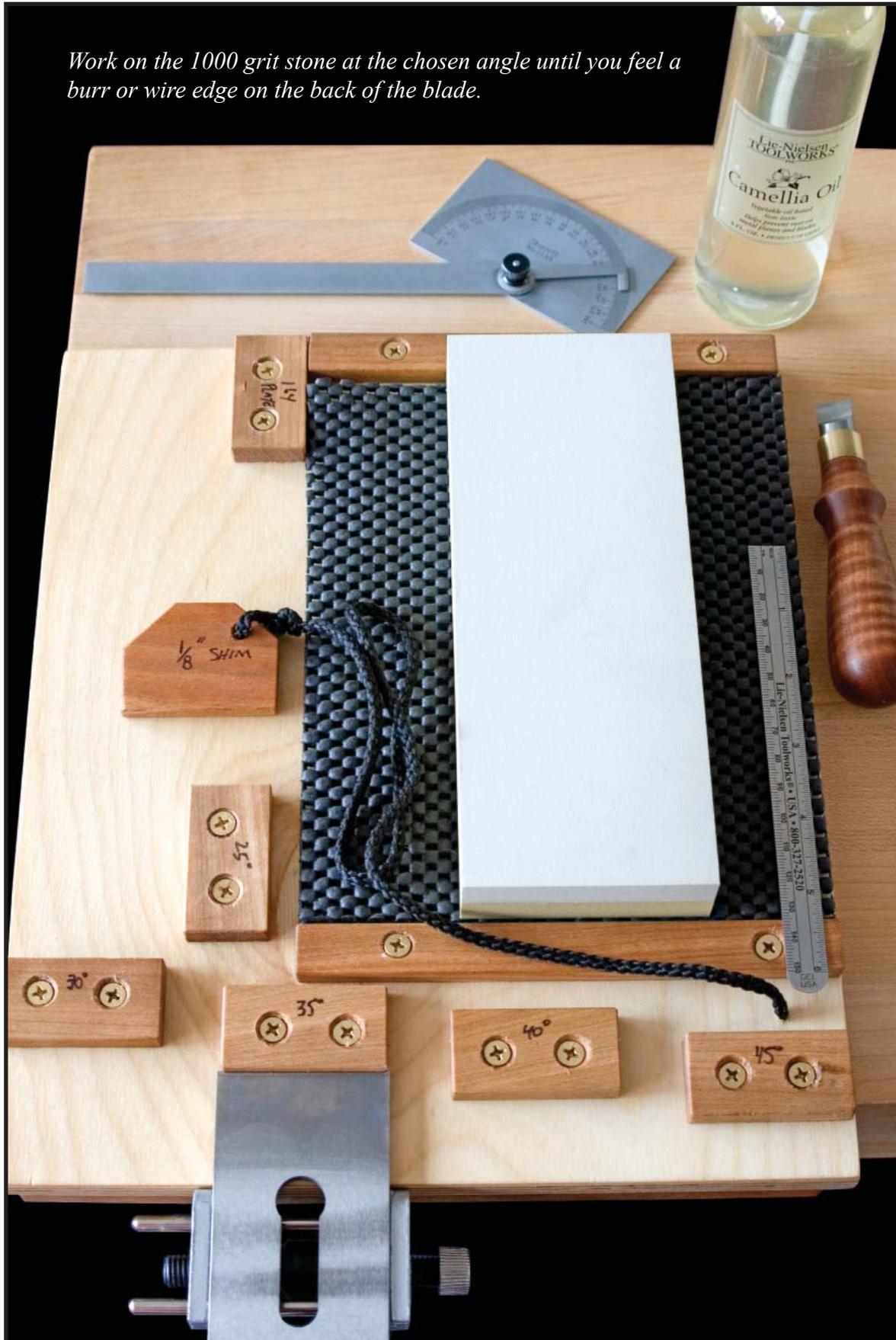


Recommendations: *If you need additional or different angles, we suggest using a protractor to determine the projection distance. Hook your protractor under the edge of your jig, and place your blade (while in the honing guide) underneath the straight edge of the protractor. Adjust the position of the blade to match the angle of the protractor arm. The resulting projection distance gives you the position for the stop.*



Using the Stops to Set the Angle

Work on the 1000 grit stone at the chosen angle until you feel a burr or wire edge on the back of the blade.



Honing a Microbevel

Use a 1/8" shim to increase the angle at any stop by approximately 2°. Example: 35° becomes 37°. A microbevel for the honed edge means less effort and less time, on your 8000 grit stone.

