

# Lie-Nielsen TOOLWORKS<sup>®</sup> INC.

Heirloom Quality Tools<sup>®</sup>

## Cabinet Maker's Scraper

[www.lie-nielsen.com](http://www.lie-nielsen.com)

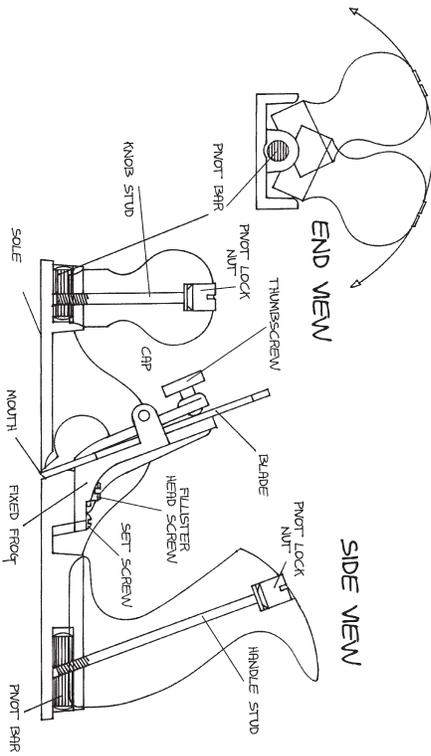
[toolworks@lie-nielsen.com](mailto:toolworks@lie-nielsen.com)

1-800-327-2520

P. O. Box 9 • Route 1  
Warren, Maine 04864

*Made in Maine, USA, since 1981*

CABINET MAKER'S SCRAPER



**WARNING:** This product can expose you to lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov). Wash hands after handling.

## Cabinet Maker's Scraper

Stanley's No. 85 Cabinet Maker's Scraper plane is a much sought-after collectible, commanding high prices. Consequently, until now, few people had the opportunity to own one to use. This is a fine scraper — not prone to chatter, because the blade is bedded directly against the plane body.

**Blade Sharpening:** Our Cabinet Maker's Scraper comes with a much thicker blade than the original. This allows the blade to be prepared differently than other scrapers. We have found that our Scraping Plane blades sharpen easily and produce a better surface with a 45° bevel, honed to a sharp edge like a plane blade. Honing a secondary bevel of 5° will help achieve a razor edge quickly. We do not recommend using a burr, at least until you get used to using the tool. Slightly rounding the corners of the blade with a stone will prevent them from marking the work.

**Burnishing:** If you wish to create a burr, hone the blade, and then hold it upright in a vise. Begin by holding a burnisher at about 45°, working up to 75°. Work the edge until you can feel a distinct 'hook' all the way across. Be very careful not to cut yourself on the upright blade.

**Frog Adjustment:** When the frog is in the correct position, the back of the blade should contact the back of the mouth on both sides. If adjustment is necessary, install the blade in the frog, and move both to the rear until the back of the blade contacts the body. Then tighten the two fillister head screws to lock the frog in place. The single set screw is then tightened a bit. This puts tension on the frog assembly, preventing the fillister screws from loosening.

**Setting the Blade:** The blade is inserted with the bevel facing the handle. To set the depth of cut, lay the sole of the tool on a flat surface and loosen the thumbscrew. Press lightly on the top of the blade with your thumb and re-tighten the thumbscrew. **Do not over tighten.** Usually, this will be enough exposure for a fine shaving. If not, repeat with a slip of paper under the front of the tool. Minor depth adjustments may also be made by lightly tapping the top of the blade with a light hammer while the tool is resting on a flat board.

Handle the Cabinet Maker's Scraper like a Bench Plane. Use a light touch, rather than trying to remove too much material at once, or using too much downward

pressure. Too aggressive a cut (blade set too deep), or too much downward pressure will result in chatter — you should be taking light passes. Often it is helpful to scrape at an angle to the grain, and then from the opposite angle.

**Toothed Blades:** We offer replacement blades, and toothed blades of 18 and 25 teeth per inch. Toothed blades are useful (before using the regular blade) when working extremely difficult woods, because they score fibers in a criss-cross pattern. They are also used to prepare surfaces for gluing, as in veneering, by lightly roughening the surface.

**Tilting Handles:** Loosen the nuts on top of the knob and handle to tilt to one side or the other. Tighten the nuts, being careful **not to overtighten**. Lubricate the pivot bar occasionally.

**Materials:** The body is cast from Ductile Iron, a very strong alloy that will take a lot of abuse. These castings are fully stress relieved, a process that removes inherent stresses and ensures that the tool will remain flat and true. The blade is A2 Tool Steel hardened to Rockwell 50-55, cryogenically treated and double tempered. Our heat treating technique ensures that the blade will take and hold a very fine edge for a long time. After heat treating, the blade is fully surface ground on the top, back, and cutting edge, giving a smooth, flat surface that will take a mirror finish very quickly. The 1/8" thickness provides solid chatter-free cutting.

**Maintenance:** The sole is ground flat to .0015" or less. Occasional hand lapping with fine wet/dry sandpaper (320 grit or finer) on a flat surface will help remove dings and keep it true. The bronze parts can be polished with any good brass polish, or be allowed to patina with age and use. Occasionally, the tool should be disassembled and cleaned. The blade should be kept lightly oiled to prevent rust, especially when the tool is not in use. We recommend Jojoba Oil, a plant based oil product that is non-toxic, odor-free and easy to use. Also, in our shop, we use a fine abrasive handblock to remove any light surface oxide from tool bodies and blades. Jojoba Oil and abrasive handblocks are available from us.

**Guarantee:** Materials and workmanship are guaranteed for the life of your tool. Call for repairs or replacement parts. We are available for advice if you ever have a problem using your tool.

© 2019 Lie-Nielsen Toolworks, Inc.

Rev. 01142019