



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

*Heirloom Quality Tools<sup>®</sup>*

## Drawknife

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*Made in Maine, USA, since 1981*

## Drawknife

Some years ago Jennie Alexander loaned me an antique Witherby to study. Around this time we were developing a Shavehorse with Brian Boggs. This Drawknife is the result of collaboration with both of these master chairmakers.

I have discovered that people who use drawknives a lot have differing opinions on how to use or sharpen them. Bevel up or down, flat bevel or rounded knife edge, and angle of blade relative to handle are all controversial.

Available in two different styles: one with a slightly forward and downward curvature to the blade (like the original), and the other with a straight blade. Protective leather case included.

**Adjusting the Handle Angle:** The angle of the handles relative to the blade can be modified by the user. This takes some effort and a very, very safe clamping arrangement to hold the Drawknife blade in a bench vise. To adjust the angle, use slow, even pressure. It is not recommended that you change the angle more than once.

**Sharpening:** Sharpening a Drawknife is dangerous. Be careful to keep fingers from getting close to the cutting edge. The Galbert Drawsharp is an ingenious, yet simple jig for putting a consistent, repeatable razor-sharp edge on any Drawknife. It is designed so that the cutting edge is facing away from your body and hands, and the honing action is parallel to the blade, with your fingers safely behind the cutting edge at all times, making for a very safe situation. The Galbert Drawsharp is available on our website.

Another way to sharpen is to mount a stone in a shave horse or other clamping device, and using the Drawknife in a normal fashion, sharpen on the stone. For a good demonstration of this method, visit our YouTube site, <https://www.youtube.com/user/LieNielsenToolworks/>, and watch Brian Boggs' *Sharpening the Drawknife* video.

Some people recommend rounding the back and/or cutting edge, which helps the tool make concave cuts in the wood. This also makes the blade more difficult to sharpen, so is a matter of personal preference. Our Drawknife comes with a flat bevel. The user can round that bevel if desired, but it is hard to then flatten a rounded bevel.

**Materials:** Made from O1 tool steel. Stainless Steel nuts and ferrules. Maple handles. The blade is hardened to RC 60-62 and beveled at 25°. The back of the blade is hollow ground for ease of sharpening.

**Maintenance:** Protect the blade of your Drawknife by oiling or waxing it. Be very careful when applying coating near the cutting edge. 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. 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 problems using your tool.