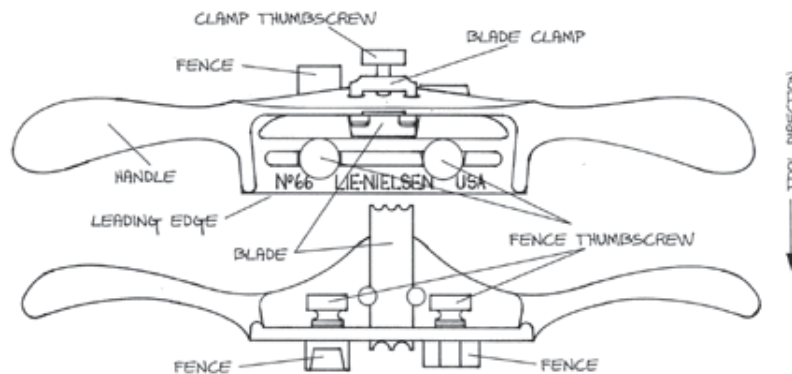


Lie-Nielsen Toolworks Product - Use and Care Instructions

Bronze Beading Tool



The beading tool comes with a straight fence, which is used for most jobs, and a curved fence for use when the edges of the work are not straight. Both are adjustable in the slot across the width of the bottom of the tool.

The set of blades, consisting of 7 blades with 14 shapes, plus a 1/4" and 1/8" router, are made of hardened spring steel. They are designed to work as scraping blades — generally while pulling the tool, though at times pushing will seem most comfortable — and to remove a small shaving per stroke. In some cases, the larger shapes will work best if you lower them in the clamp as the work progresses for maximum rigidity. The blades — excepting the routers — should be sharpened by stoning the flat. Only rarely will work need to be done on the shape itself.

The blanks are not hardened, and may be worked with files to produce various shapes. For a small amount of work, they may be used soft. For longer life they can be easily hardened with a propane torch by heating to a dull glowing red and quenching immediately in oil, such as used motor oil, after which you can draw them by reheating with the same torch to a light straw color (this is not absolutely necessary) . A good discussion of tempering is in Alexander Weyger's *The Making of Tools*.