

G. ERLIN.
Mortising-Tools.

No. 158,835.

Patented Jan. 19, 1875.

Fig. 1.

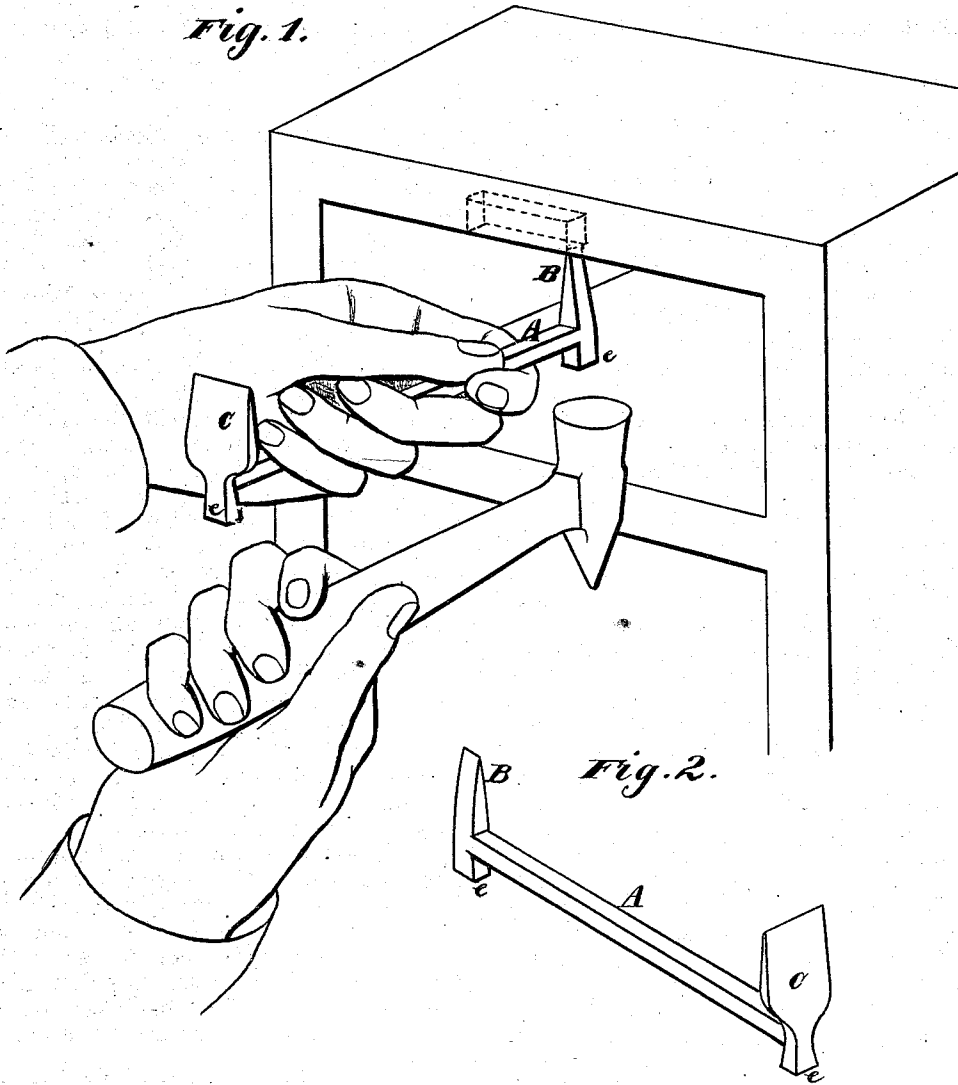


Fig. 2.

Witnesses
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UNITED STATES PATENT OFFICE.

GUSTAVE ERLIN, OF SAN FRANCISCO, CALIFORNIA.

IMPROVEMENT IN MORTISING-TOOLS.

Specification forming part of Letters Patent No. **158,835**, dated January 19, 1875; application filed December 10, 1874.

To all whom it may concern:

Be it known that I, GUSTAVE ERLIN, of San Francisco city and county, State of California, have invented an Improvement in Mortising-Tools; and I do hereby declare the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention or improvement without further invention or experiment.

My invention relates to a tool or implement for making mortises in wood.

In the manufacture of furniture it is often difficult to make a respectable mortise or socket for the reception of the bolt of the lock which locks the drawer when it is closed, owing to the limited space (only the depth of the drawer) in which the workman is required to accomplish the work, it being necessary to make the bolt-socket after the piece of furniture is completed, the drawers fitted, and the lock secured in place. Ordinary chisels and mortising-tools cannot be manipulated in this narrow space, and as a consequence the mortise had to be made by holding the chisel or other tool at an angle, so that its lower end would be outside of the drawer space or opening. The outside wall of the mortise thus constructed would also be made at an angle or beveling, so that it answers imperfectly as a bolt-socket. My improved mortising-tool is intended to avoid this difficulty by supplying an implement which can be handled in a narrow space to make a mortise or socket.

In order to more fully illustrate and describe my invention, reference is had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 is a perspective view of my tool, showing the manner of using it. Fig. 2 is a perspective view of the tool alone.

A is a bar of metal, having the chisel or cutting-tool B formed upon or secured to one end at right angles to the bar, and the adz-shaped tool C formed upon or secured to the

opposite end in the same manner. The chisel or tool B has a narrow blade and point, which stands in a line with the bar or shank A, or that it can be used as a chisel, while the adz-shaped blade or tool C is broader than the blade B, and stands transversely to the shank A. Both of these tools have a head-extension, *e*, on the opposite side of the shank, similar to a hammer-head.

To use this tool in making a bolt-socket the cutting-point of the tool B is placed against the rail above the drawer, at the point where the end of the mortise or socket is to be made. A few strokes with a hammer against the head of this tool will sink the chisel into the wood, so as to make the desired end cuts for the mortise. The tool C is then employed to cut the sides and gouge out the mortise between the end cuts, thus permitting me to make square sides and ends for the mortise.

The two tools B and C I secure to one shank for convenience; but it is evident that they can be attached to separate shanks and answer the same purpose. The tools are made small, so that they will occupy but little space, and a few slight strokes of a hammer against their heads will be sufficient to sink them to the desired depth into the wood.

This tool can be used for making mortises in any place where the space is too limited to admit an ordinary chisel. It can either be made entirely of steel, or the shank and a portion of the blades or chisels can be made of iron and the bits or cutting-points of steel.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

A mortising-tool consisting of the shank A, with its small chisel B and transverse bit or chisel C, with their heads *e*, substantially as and for the purpose above described.

GUSTAVE ERLIN.

Witnesses:

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