

E. C. ATKINS.
Saw-Handles.

No. 154,000

Patented Aug. 11, 1874.

Fig. 1.

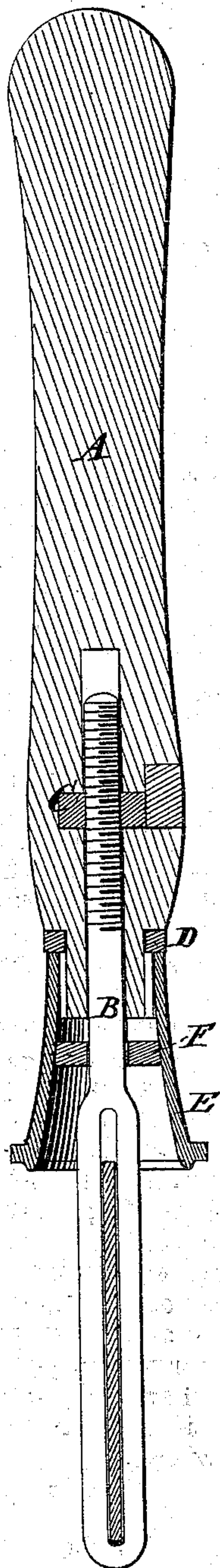
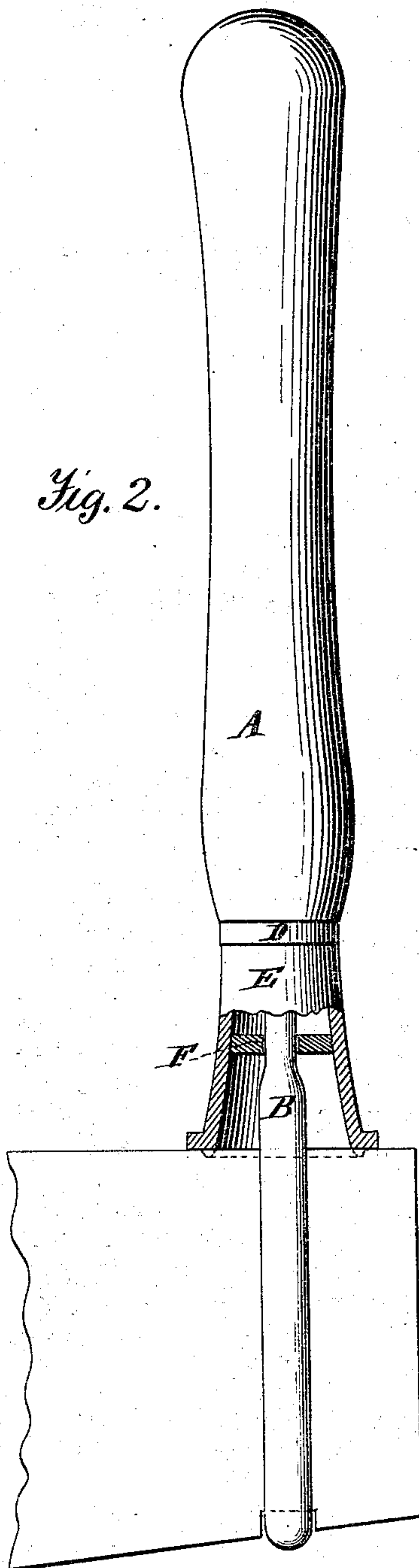


Fig. 2.



Witnesses:
A. Rappert,
O. E. J. Eils

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Attys

UNITED STATES PATENT OFFICE.

ELIAS C. ATKINS, OF INDIANAPOLIS, INDIANA.

IMPROVEMENT IN SAW-HANDLES.

Specification forming part of Letters Patent No. **154,000**, dated August 11, 1874; application filed May 4, 1874.

To all whom it may concern:

Be it known that I, ELIAS C. ATKINS, of Indianapolis, in the county of Marion and State of Indiana, have invented a certain Improvement in Saw-Handles, of which the following is a specification:

This invention relates to that class of cross-cut-saw handles composed of a clamping-rod, screw-threaded at one end, to turn in a nut in the wooden portion of the handle, and provided at its other end with either a hook or a slot to embrace the blade, a wooden handle, and a loose ferrule, notched at its lower end to receive the top edge of the blade.

My improvement consists in providing the ferrule interiorly with a transverse horizontal plate, either in the shape of a wedged-in washer, or of a web cast on it, it being, in either case, perforated centrally, to permit the screw-threaded portion of the clamping-rod to pass up through it, but not the slotted end thereof, thus preventing the accidental loss of the ferrule by slipping down over the clamping-rod. A bearing-ring is also secured to the handle, to compensate for the wear as the handle is turned on the ferrule in clamping the saw, and is an improvement upon the patent granted to me June 10, 1873, No. 139,756.

Figure 1 is a vertical section transverse to the saw. Fig. 2 is an elevation partly in section.

The same letters of reference are used in both figures in the designation of identical parts.

A refers to the wooden handle, having a central bore in its lower end for the reception of the screw-threaded end of the clamping

slotted-rod B, working in a nut, C, secured in the handle in the ordinary manner. The lower end of the handle is somewhat reduced, and provided with a fixed bearing-ring, D, driven onto it up against the shoulder. The ferrule E fits loosely over the reduced end of the handle, and is flaring in outline, as clearly shown, projecting a considerable distance downward from the handle. Its bottom edge is suitably notched to receive the top edge of the saw, and is circular like the remainder. It is made hollow from end to end, but has an interior plate, F, which may be either a separate washer wedged in, as shown, or cast solid with the remainder. Its central aperture is only large enough to let the screw-threaded end of the rod B pass through for the purpose stated.

In clamping the handle to a saw, its bearing-ring is drawn closely against the top edge of the loose ferrule, and takes up all the wear, saving the wooden handle.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The loose ferrule E, provided with a perforated horizontal lock-plate, F, substantially as and for the purpose specified.

2. The combination of the wooden handle A, bearing-ring D, and loose ferrule E, substantially as and for the purpose specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ELIAS C. ATKINS.

Witnesses:

MYRON B. WILLIAMS,
H. KNIPPENBERG.