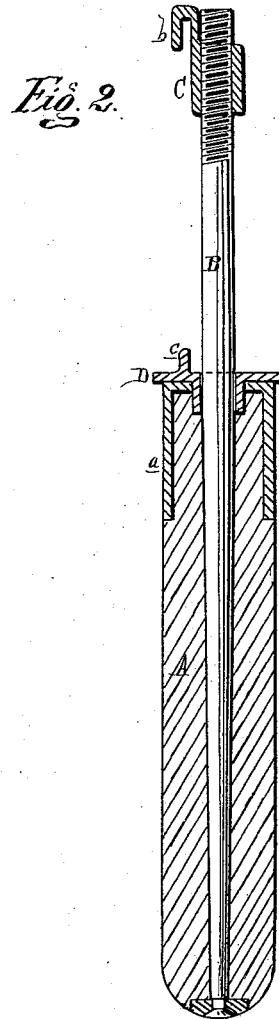
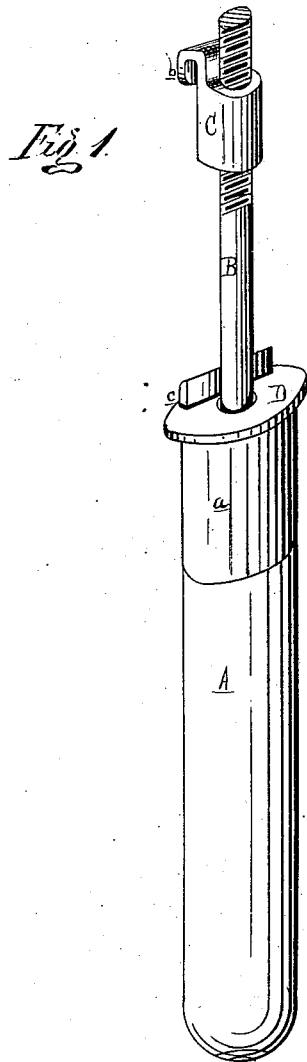


W. J. BOYNTON.  
Handle for Cross-Cut Saws.

No. 162,022.

Patented April 13, 1875.



Attest:  
Edward Buechel.  
C. E. Housier

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W. J. Boynton  
Per Atty  
Thos. S. Sprague

# UNITED STATES PATENT OFFICE.

WILLIAM J. BOYNTON, OF BATTLE CREEK, MICHIGAN.

## IMPROVEMENT IN HANDLES FOR CROSSCUT-SAWS.

Specification forming part of Letters Patent No. **162,022**, dated April 13, 1875; application filed January 30, 1875.

*To all whom it may concern:*

Be it known that I, WILLIAM J. BOYNTON, of Battle Creek, in the county of Calhoun and State of Michigan, have invented an Improvement in Handles for Crosscut-Saws, of which the following is a specification:

The nature of my invention relates to an improvement in adjustable and detachable handles for crosscut-saws; and consists in the peculiar construction and combination, with a handle provided with a screw-threaded tang, of a clip and hooked nut, which grasp the edges of the saw-blade, which is clamped to the handle by rotating the latter, as more fully hereinafter set forth.

Figure 1 is a perspective view of my improved saw-handle. Fig. 2 is a sectional elevation of the same.

In the drawing, A represents a wooden handle, in which there is secured an iron rod or tang, B, projecting from its lower end through a metal ferrule, *a*, the said tang being screw-threaded at its lower end, to receive a nut, C, having one flat side, which terminates in a

hook, *b*, to engage with the lower edge of the saw-blade. D is an oval clip-plate sleeved on the tang above the nut, with one or more ribs, *c*, on one side of the hole. There is a sleeve cast on its back around the opening, which sleeve passes up into the handle through the hole in the ferrule. The saw is inserted between the tang and the ribs *c* under the plate C, and by rotating the handle the nut is moved up the screw-tang, and the saw is thus clamped firmly in place. A turn or two of the handle to the left loosens the nut, and permits the handle to be removed.

What I claim as my invention is—

The nut C having the hook *b*, and the clip-plate D having the rib *c*, in combination with the screw-tang B, handle A, and ferrule *a*, constructed and arranged substantially as described and shown.

WILLIAM J. BOYNTON.

Witnesses:

H. F. EBERTS,  
H. S. SPRAGUE.