

W. CLEMON.

Handles for Cross-Cut Saws.

No. 146,749.

Patented Jan. 27, 1874.

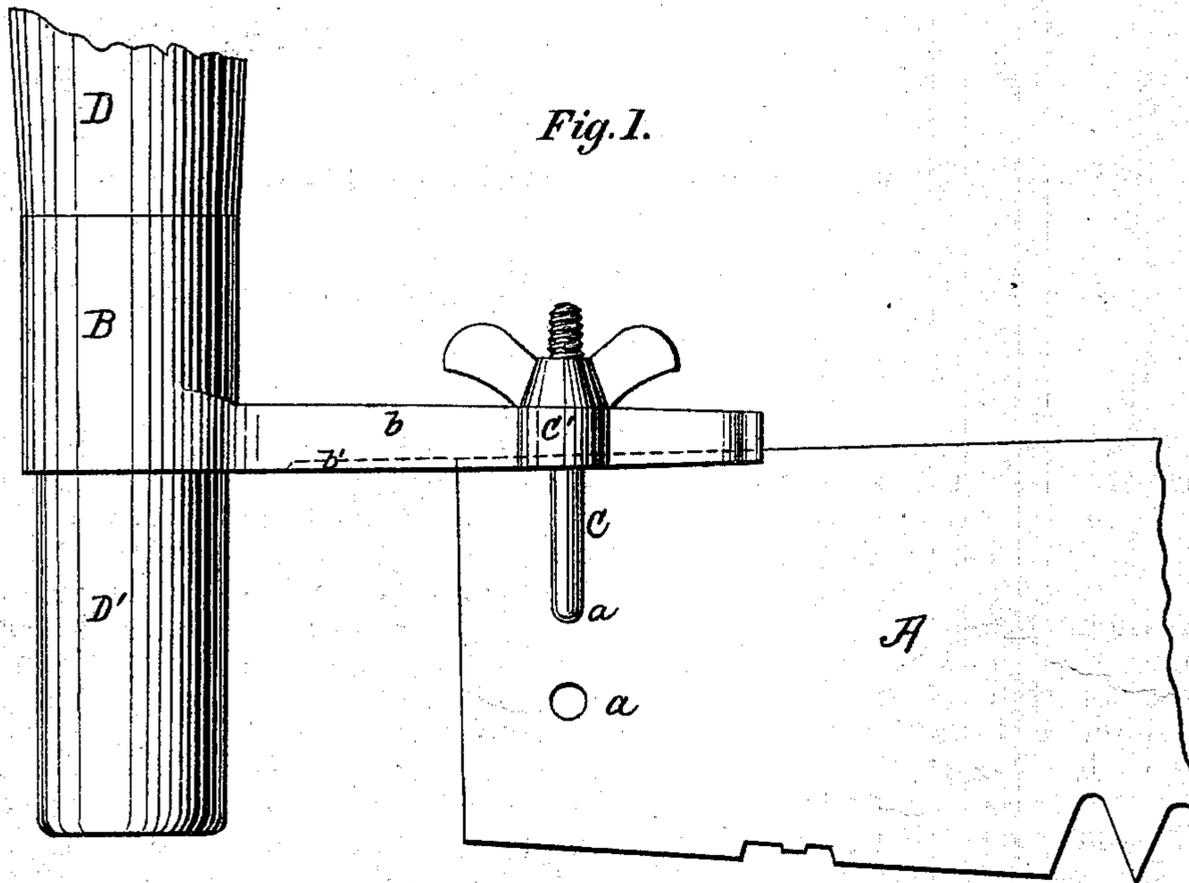


Fig. 1.

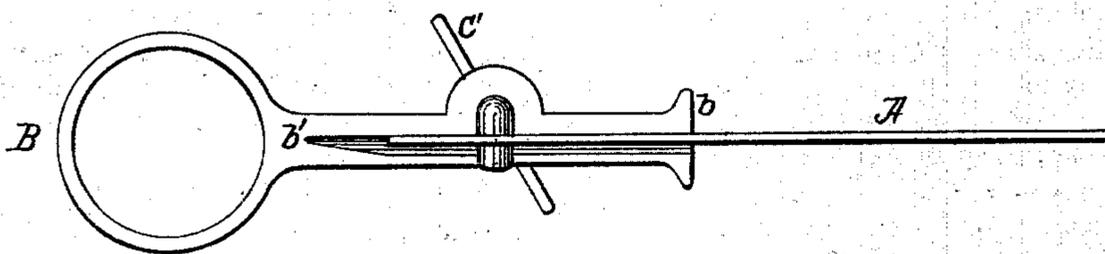


Fig. 2.

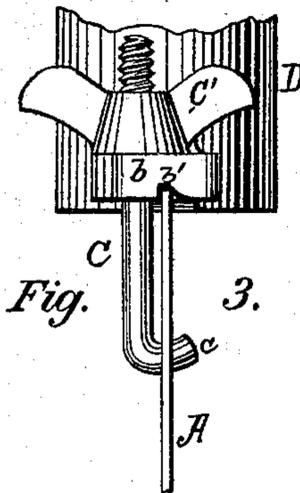


Fig. 3.

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## IMPROVEMENT IN HANDLES FOR CROSSCUT-SAWS.

Specification forming part of Letters Patent No. 146,749, dated January 27, 1874; application filed October 20, 1873.

*To all whom it may concern:*

Be it known that I, WILLIAM CLEMSON, of Middletown, in the county of Orange, in the State of New York, have made certain Improvements in Handles for Crosscut-Saws, and the construction of the parts thereof, of which the following is the specification; and it consists in the construction and mode of attaching the handle to the saw, as will be more fully hereinafter described.

In the drawings, Figure 1 is a side view of the saw-handle and connecting parts. Fig. 2 is a bottom view of the same, and Fig. 3 is a transverse view of Fig. 1.

A represents the common crosscut-saw plate as it is found on sale from the manufactory, and having the usual rivet-holes *a a* therein. B is a thimble having the arm *b* projecting at right angles from the axis of the thimble, in which is an angular longitudinal groove, *b'*, to fit upon the back of the saw. The arm *b* is so constructed and applied to the saw-plate as to throw the thimble B and the saw-handle away from the end of the saw-plate far enough so that the hand has room to grasp the handle without touching the end of the saw-plate. C is a hook screw-bolt, having the hook end *c* to hook into one of the holes *a* in the saw-blade A, and a screw-thread cut upon the upper end that goes through the arm *b*. C' is a thumb or other screw nut to screw upon the hook-bolt C, and upon or against the upper side of the arm *b*. D is a handle, of wood or other proper material, turned to have a shoulder to rest upon the thimble, while the part D' passes through the thimble and a considerable distance below, or far enough to form a hand-hold.

This construction of handle and attaching parts is attached to the saw by passing the screw end of the hook-bolt C through the arm *b*, and the hook into one of the holes *a* in the saw-blade, then turn down the thumb-nut C' hard upon the arm *b*, forcing the back of the saw into the angular groove *b'*, when the thimble and the handle, passing through it, are securely and firmly attached to the saw; and, by having the part D' extend below the thimble, and at a distance from the end of the saw-blade, allows the operator to grasp the part D' with one hand, while the other hand is at liberty to take hold of the handle above the thimble; or, if only one hand is used, it can grasp the part D' in line or nearly in line with the cut of the saw, and where the power exerted will do the greatest execution.

It is of great advantage in sawing large timber, or where the log to be sawed is high, to grasp the part D', which, in effect, would lower the top of the log in relation to the sawyer several inches.

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

A crosscut-saw handle, D, secured to the saw A by the single attachments B *b*, and screw hook-bolt C, forming the extension D', which passes through and below its supports B, forming an additional hand-hold in line with the action of the saw, as and for the purpose set forth.

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Witnesses:

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CHAS. I. HUMPHREY.