

L. SHEPARD
CROSS-CUT SAW-HANDLE.

No. 172,788.

Patented Jan. 25, 1876.

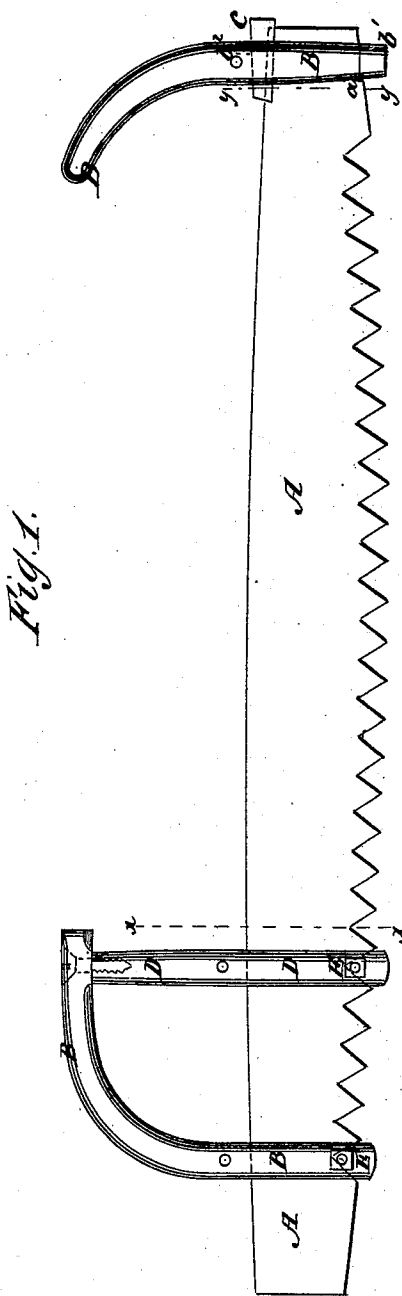


Fig. 1.

Fig. 3.



Fig. 4.

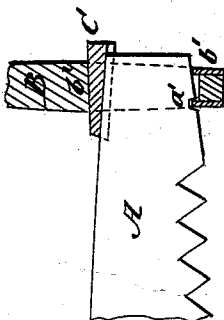
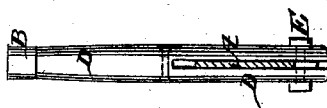


Fig. 2.



WITNESSES:

E. W. W.
 Alex. F. Roberts

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 BY
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UNITED STATES PATENT OFFICE.

LEWIS SHEPARD, OF MACE, INDIANA, ASSIGNOR TO HIMSELF AND DAVID W. KENNEDY, OF SAME PLACE.

IMPROVEMENT IN CROSSCUT-SAW HANDLES.

Specification forming part of Letters Patent No. 172,788, dated January 25, 1876; application filed December 4, 1875.

To all whom it may concern:

Be it known that I, LEWIS SHEPARD, of Mace, in the county of Montgomery and State of Indiana, have invented a new and useful Improvement in Crosscut-Saw Handles, of which the following is a specification:

Figure 1 is a side view of a crosscut-saw, to which my improved handles have been attached. Fig. 2 is a cross-section of the same, taken through the line *xx*, Fig. 1. Fig. 3 is a cross-section of the same, taken through the line *yy*, Fig. 1. Fig. 4 is a detail section taken through the line *zz*, Fig. 3.

Similar letters of reference indicate corresponding parts.

The object of this invention is to improve the construction of the crosscut-saw handles for which Letters Patent No. 168,421 were granted to me October 5, 1875, so as to enable the handles to be readily detached, to allow the saw to be drawn out of the kerf lengthwise, and to enable the handles to be adjusted in or out upon the saw.

The invention consists in the curved and straight handles, secured to each other at their upper ends, and provided with bolts at their lower slotted ends, in combination with the saw-blade, as hereinafter more fully described.

A represents the saw-blade. B are the curved handles, which are slotted from their lower ends to receive the saw-blade A, and to said lower ends is riveted a ring or ferrule, *b*¹. The edge of the ferrule *b*¹ enters a notch, *a'*, in the lower edge of the end of the saw-blade A, as shown in Figs. 1 and 4.

In the handle B, at the upper end of the slot, is formed a mortise, *b*², in which is inserted a wedge-key, C, the lower edge of which is grooved to receive and fit upon the upper

edge of the saw-blade A, and which, when driven into place, secures the handle B to the saw-blade A firmly.

With this construction the handle B can be readily detached, and leaves the end of the saw-blade free, so that it can be drawn out of the kerf when, from driving a wedge into said kerf, or from any other cause, it may be necessary.

When the saw is to be used by a single sawyer a straight handle, D, is connected with the curved handle B by securing the upper end of said curved handle B to the upper end of said straight handle D.

In this case a bolt, E, is passed through the slotted lower ends of handles B D, and the said handles are clamped to the saw-blade A by tightening up the nuts of the bolts E.

By this construction, by loosening the bolts E the handles B D may be moved in and out upon the saw-blade A, to adjust the saw for sawing small or large timber.

It will be observed that the bolts E enter the notches or cavities of the teeth, and thus prevent the handles from moving when the said bolts are tightened up.

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

The curved and straight handles B D, secured to each other at their upper ends, and provided with bolts E at their slotted lower ends, in combination with the saw-blade A, substantially as herein shown and described.

LEWIS SHEPARD.

Witnesses:

G. W. EDDINGFIELD,
J. R. CRAIN.