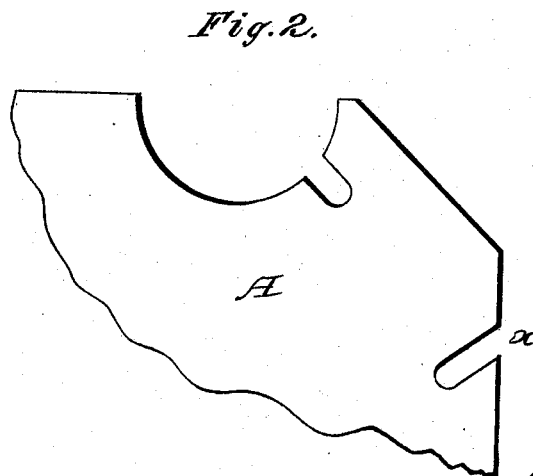
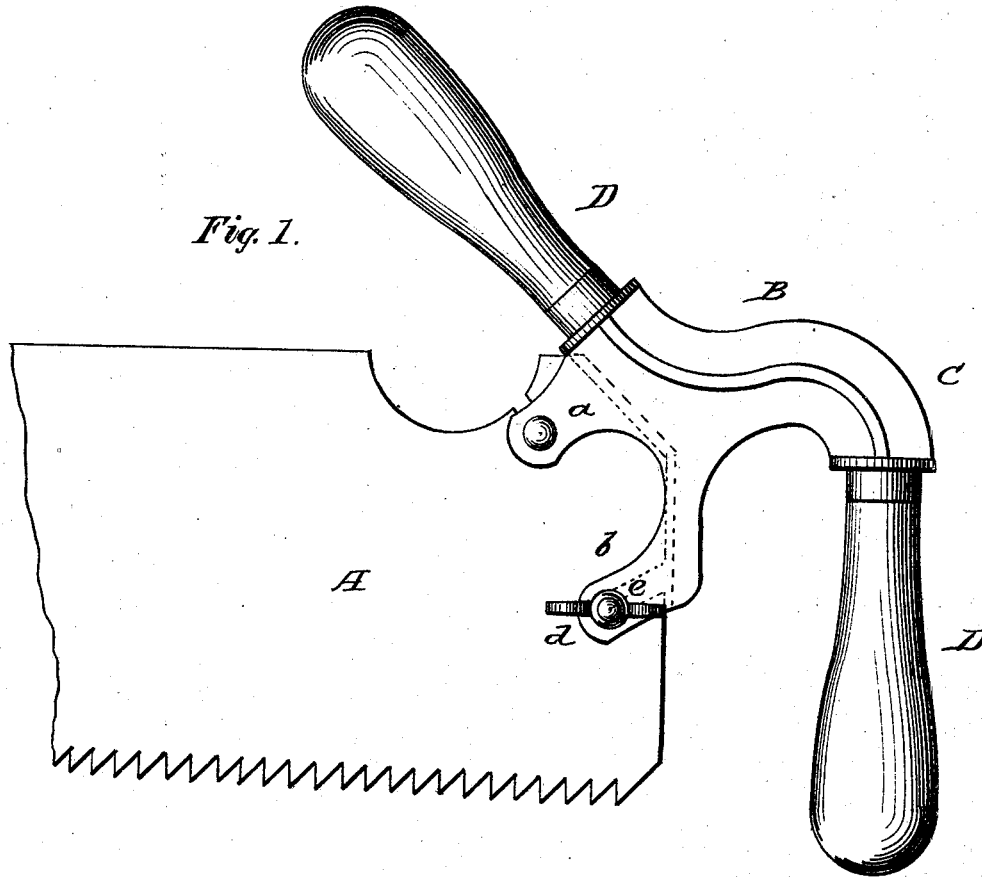


E. C. ATKINS.
CROSS CUT SAW HANDLES.

No. 171,337.

Patented Dec. 21, 1875.



WITNESSES:
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ELIAS C. ATKINS, OF INDIANAPOLIS, INDIANA.

IMPROVEMENT IN CROSSCUT-SAW HANDLES.

Specification forming part of Letters Patent No. **171,337**, dated December 21, 1875; application filed June 30, 1875.

To all whom it may concern :

Be it known that I, E. C. ATKINS, of Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Crosscut-Saw Handles; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

My invention relates to that class of saw-handles which are intended to be used with one or both hands; and it consists in attaching two separate handles to the same tang in the same plane with the saw, and standing at such angle to each other as to be most convenient for use, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

A represents the saw-blade, and B the casting to which it is fastened. The casting B is formed with two slotted or forked projections, *a b*, and the body of the casting is slotted or forked between said projections for the insertion of the inner upper corner of the saw-blade. The blade is pivoted in the upper projection *a*, while a bolt, *e*, passes through the

lower projection *b* and a slot, *x*, in the blade, and is then fastened by a thumb-nut, *d*, whereby the saw-blade is adjusted at any angle with the handles desired. The back of the casting B forms a tang, C, of suitable size and form, and on each end thereof is secured a handle, D, which handles are in the same plane as the saw-blade, and stand at a suitable angle with each other.

The saw may be operated by either handle alone, or by using both at the same time.

This invention is applicable to both cross-cut and rip saws.

I am aware that the broad idea of supplying a saw with two handles at each end is not new.

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

The detachable tang or shank B, furnished with handles D D, and arranged in connection with a saw-blade, substantially as and for the purposes set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

ELIAS C. ATKINS.

Witnesses:

W. L. GALLUP,

CHARLES A. HURLBURT.