

(No Model.)

W. McNIECE  
SAW HANDLE CLAMP.

No. 256,493.

Patented Apr. 18, 1882.

Fig. 1.

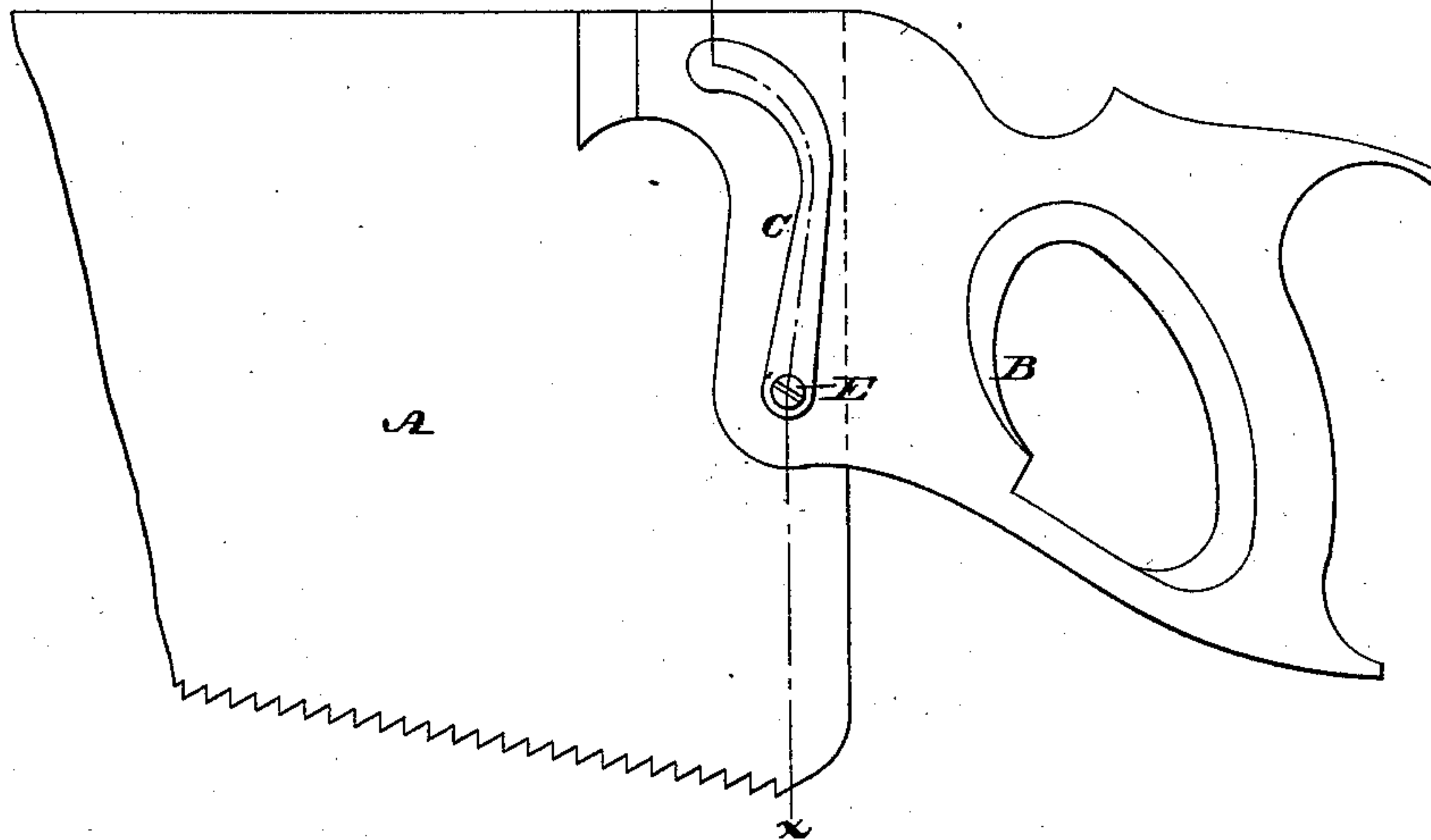


Fig. 2.

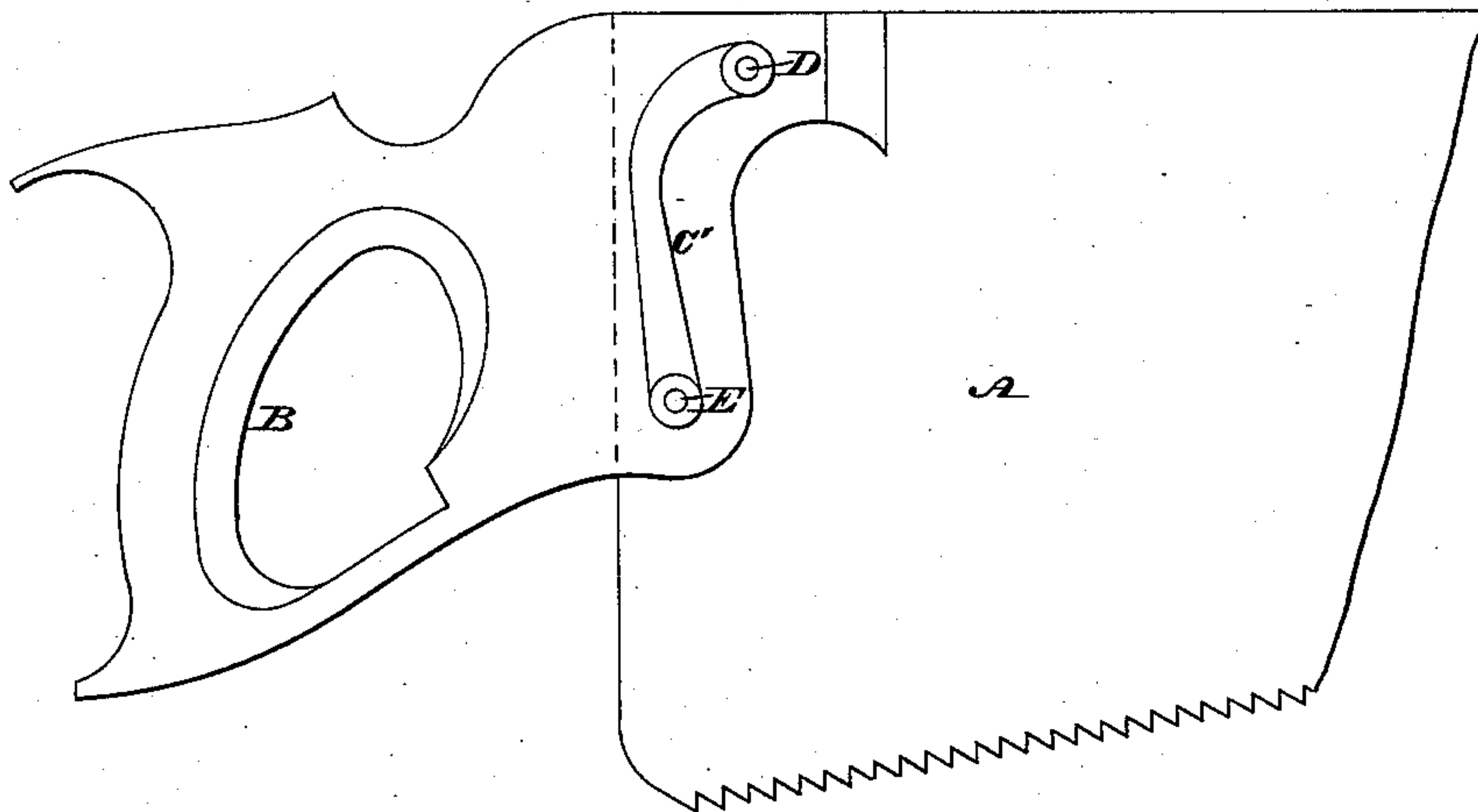
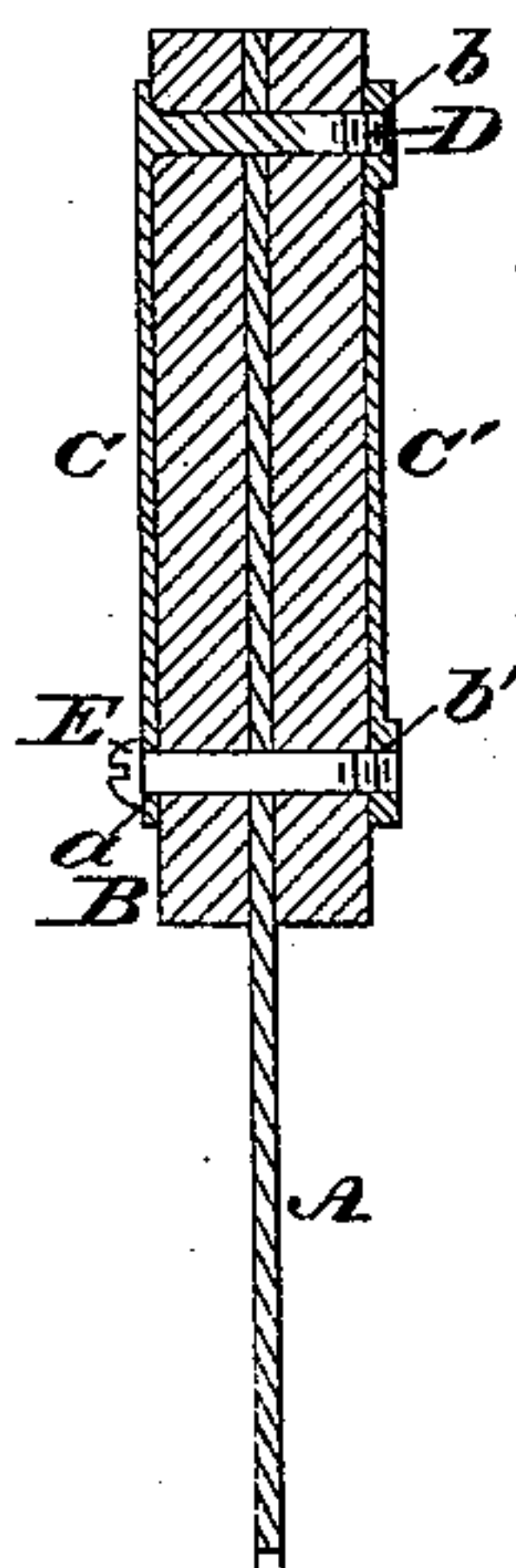


Fig. 3.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

WILLIAM McNIECE, OF PHILADELPHIA, PENNSYLVANIA.

## SAW-HANDLE CLAMP.

SPECIFICATION forming part of Letters Patent No. 256,493, dated April 18, 1882.

Application filed January 27, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM McNIECE, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Saw-Mill Clamps, which improvement is fully set forth in the following specification and accompanying drawings, in which—

10 Figures 1 and 2 are views of opposite sides of the clamp embodying my invention. Fig. 3 is a transverse vertical section in line *xx*, Fig. 1.

Similar letters of reference indicate corresponding parts in the several figures.

15 My invention consists of a clamp for securing a saw-blade to its handle, which is simple, inexpensive, durable, easily applied, readily removed, and when in position reliably secures the parts, as will be hereinafter fully set forth.

Referring to the drawings, A represents a saw-blade, and B the handle, which in general features are of well-known form and construction.

25 C C' represent metallic clamping-plates, which are applied to the opposite faces of the handle B, one end of the plate C having cast with or secured to it as an integral piece a screw, D, the other end of said plate having an opening, *a*. The opposite ends of the plate C' have threaded openings *b b'*, one of which is adapted to receive the end of the screw D, and the other opening to receive the end of a screw, E, openings being formed in the handle and blade at coincident places for the passage of the two screws D E. The plate C' is placed against one side or face of the handle and the screw D inserted in the respective openings in the handle and blade. The plate C is then rotated on the screw D as an axis, and acts as a crank, whereby the screw enters the thread-

ed opening of the plate C' and engages therewith, thus drawing the plate C gradually against the handle and tightening one end thereagainst, thus also tightening the corresponding end of the plate C' against the handle. The loose screw E is now passed through the openings in the plate C, the handle, and blade, and rotated so as to screw into the threaded opening of the plate C' opposite to the fixed screw D, whereby the other ends of the two plates are tightened against the handle, the effect of the entire operation being to clamp the handle and blade in a firm and reliable manner by the action of the two screws at the ends of the plates C C', the operation being performed in a convenient, rapid, and powerful manner, the clamp being simple, inexpensive, and durable in its nature.

It is evident that by removing the screw E the plates C C' may be unscrewed by rotating either plate, preferably the plate C, thus separating them and permitting the screw D to be drawn out clear of the openings in the handle and blade.

The metal at the ends of the plate C', around the threaded openings thereof, is increased in order to obtain larger surfaces for engagement of the threads of the screws D E.

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

A plate with a fixed screw at one end and opening at the other end, in combination with a plate having openings at opposite ends, and a loose screw, forming an improvement in saw-handle clamps, substantially as and for the purpose set forth.

WM. McNIECE.

Witnesses:

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