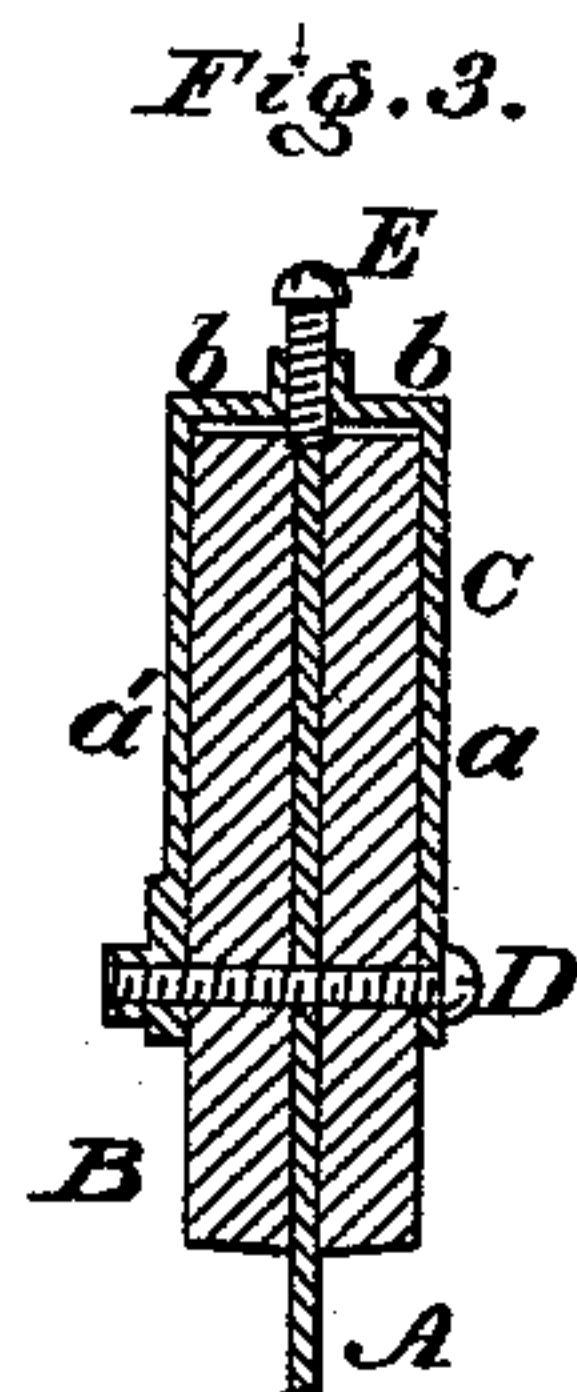
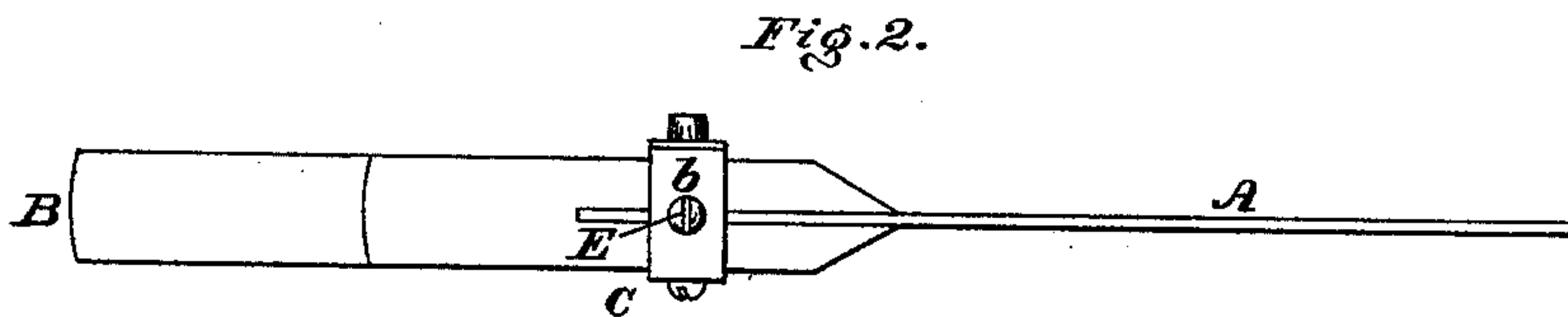
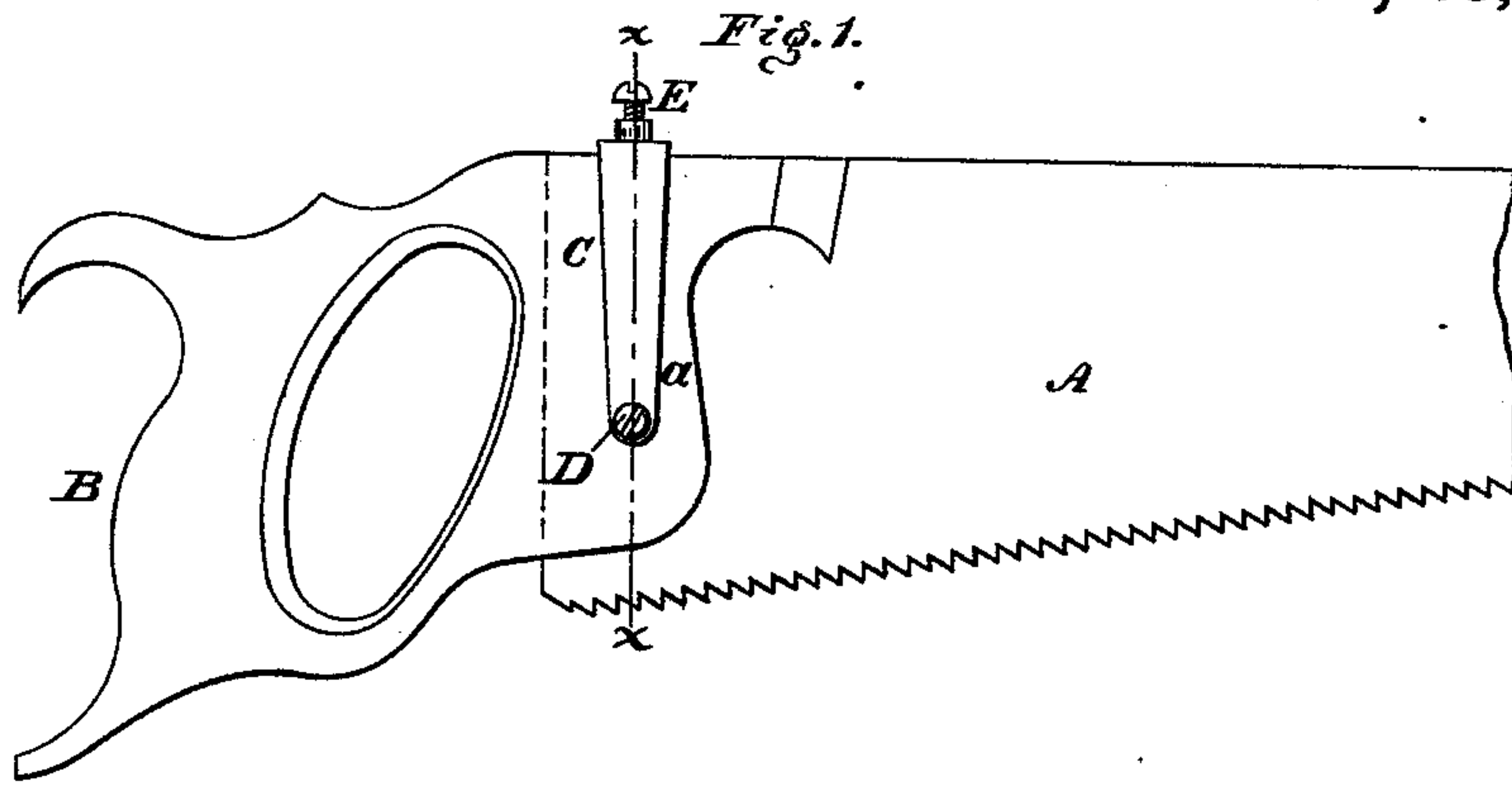


W. S. WINTERBOTTOM & J. MURRAY.
Saw Clamp.

No. 229,851.

Patented July 13, 1880.



Witnesses:

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WILLIAM S. WINTERBOTTOM, OF PHILADELPHIA, AND JOHN MURRAY, OF
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SAW-CLAMP.

SPECIFICATION forming part of Letters Patent No. 229,851, dated July 13, 1880.

Application filed January 16, 1880.

To all whom it may concern:

Be it known that we, WILLIAM S. WINTERBOTTOM, of the city and county of Philadelphia, and JOHN MURRAY, of Conshohocken, in the county of Montgomery, both in the State of Pennsylvania, have invented a new and useful Improvement in Saw-Clamps, which improvement is fully set forth in the following specification and accompanying drawings; in
10 which—

Figure 1 is a side elevation of a portion of a saw embodying our invention. Fig. 2 is a plan view thereof. Fig. 3 is a section in line *x x*, Fig. 1.

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

Our invention consists of a clamp for firmly securing the blade and handle of a saw, constructed of a yoke, a connecting screw or pin, 20 and a tightening-screw, as will be hereinafter set forth.

Referring to the drawings, A represents the blade of a saw, and B the handle, which, excepting as far as relates to our invention, may 25 be of usual form and construction.

C represents a yoke, consisting of a three-sided or bifurcated piece, the limbs *a a'* of which are adapted to embrace the sides of the handle, and the top or transverse piece, *b*, of 30 which to overhang the upper face of the handle and back of the blade. The lower ends of the limbs are perforated for the passage of a connecting screw or pin, D, and the piece *b* has fitted to it a tightening-screw, E, adapted 35 to bear against the back of the blade A.

The blade and handle are pierced at coincident places for the reception of the bolt or pin D, the head of which bears against the limb *a* of the yoke C, the end or point screw-

ing into the other limb, *a'*, or projecting beyond the same, and having a nut which tightens against said limb *a'*, either case preventing disengagement or disconnection of the screw or pin D. 40

When the yoke C and screw or pin D are in position the screw E is tightened against 45 the back of the blade, the blade and handle being thus immovably and securely clamped together.

If desired, a small notch or groove may be 50 formed in the back of the blade to receive the point of the screw E.

It will be seen that the blade and handle need only be pierced for the passage of the screw D, thus avoiding more than one perforation therein and weakening of the parts, 55 and when the blade or handle breaks or requires separation the screw E is loosened and the screw or pin D removed. The clamp being thus no longer connected to the blade and handle permits the blade to be released from the 60 handle simply by drawing one from the other.

It will also be seen that the clamp is simple, inexpensive, and reliable.

Having thus described our invention, what 65 we claim as new, and desire to secure by Letters Patent, is—

The combination, with a saw blade and handle, of a clamp consisting of the yoke C, connecting screw or pin D, and tightening-screw 70 E, constructed and operating substantially as and for the purpose set forth.

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