

W. McNIECE.  
Adjustable Saw-Handle.

No. 216,800.

Patented June 24, 1879.

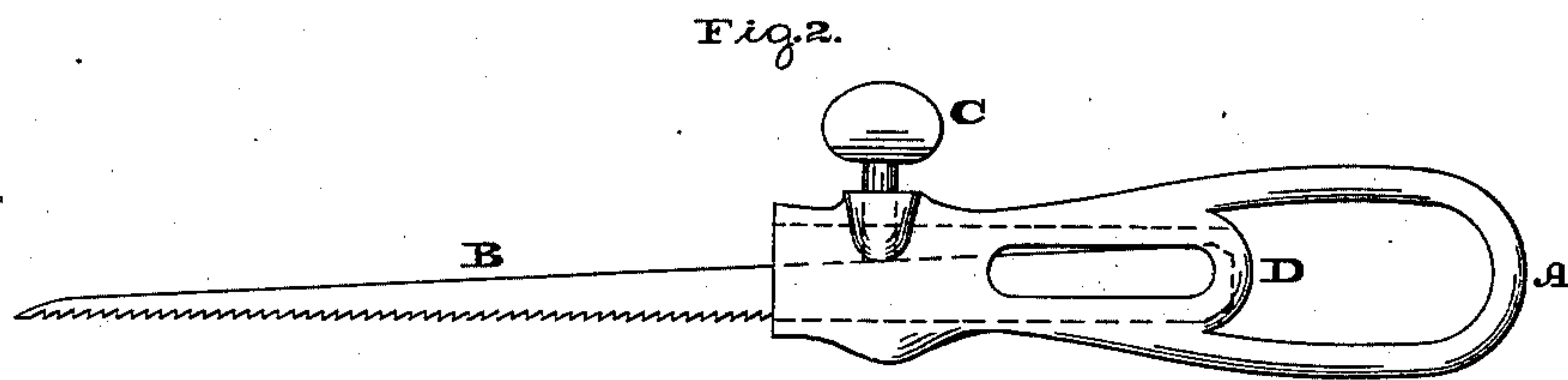
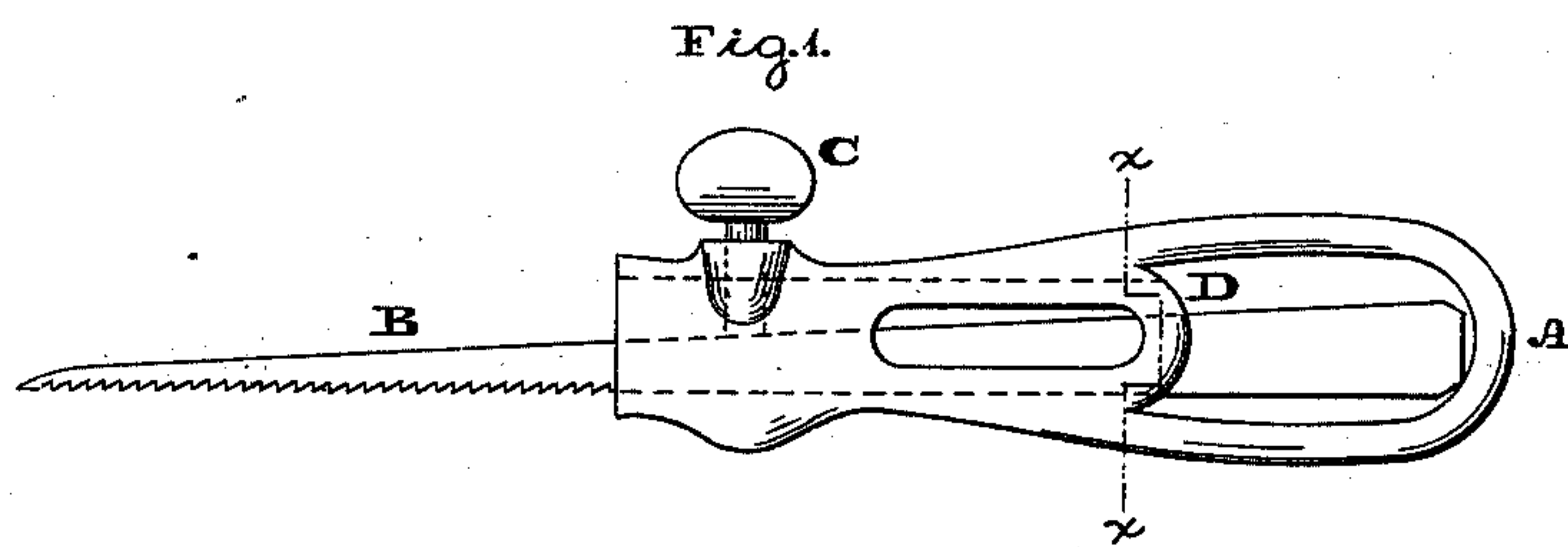


Fig. 3.



Witnesses:

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# UNITED STATES PATENT OFFICE.

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## IMPROVEMENT IN ADJUSTABLE SAW-HANDLES.

Specification forming part of Letters Patent No. **216,800**, dated June 24, 1879; application filed May 2, 1879.

*To all whom it may concern:*

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

Figures 1 and 2 are side elevations of the saw-pad embodying my invention. Fig. 3 is a transverse section in line *x x*, Fig. 1.

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

My invention consists of, first, a screw, which is passed through the handle so as to bear against the back of the blade, whereby the latter is prevented from turning on the screw as an axis, and, next, a slotted cross-bar on the handle for preventing lateral springing of the blade.

Referring to the drawings, A represents a metallic handle, which is made of partly skeleton form, or formed with a longitudinal channel for the reception of the blade B, which may thus be drawn in and out, and thereby lengthened and shortened.

To the handle is fitted a set-screw, C, which extends in such direction as to bear against the back of the blade. Formed with or secured to the handle, at or near the middle thereof, is a slotted cross-bar, D, through which the heel end of the blade is adapted to pass.

The operation is as follows: The screw C is loosened, the blade adjusted to the required length, and said screw again tightened. The saw may now be used as required, and it will be seen that the screw is in such position that it presses the toothed edge of the blade solidly against the respective wall of the channel in which the blade is fitted, whereby said

blade is prevented from moving in any direction, and is thus made to produce regular work. When the blade is introduced into the handle, so as to be sufficiently or entirely shortened, (see Fig. 1,) the cross-bar D holds the blade, and thus prevents lateral springing thereof, whereby the hand is guarded from being cut.

I am aware that a metallic handle and an extensible blade are not new. I am also aware that such handle is provided with a screw at its side which bears against the side of the blade.

I am furthermore aware that the handle has a recess at one side, against the wall of which the blade is adapted to rest; and I am also aware that it is old to hold the blades of tools to their handles by means of set-screws, in view of which I disclaim all of the aforesaid features; wherefore,

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

1. The metallic handle A and extensible blade B, in combination with the screw C, bearing against the back of the blade, substantially as and for the purpose set forth.

2. The extensible blade B, in combination with the handle A, formed with the slotted cross-bar D, substantially as and for the purpose set forth.

3. The blade B, handle A, with slotted cross-bar D, and set-screw C, bearing against the back of the blade, all constructed and operating substantially as and for the purpose set forth.

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Witnesses:

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