W. P. WENTWORTH.

Clamping Device for Filing Saws.

No. 214,071. Patented April 8, 1879.

Fig. 1.

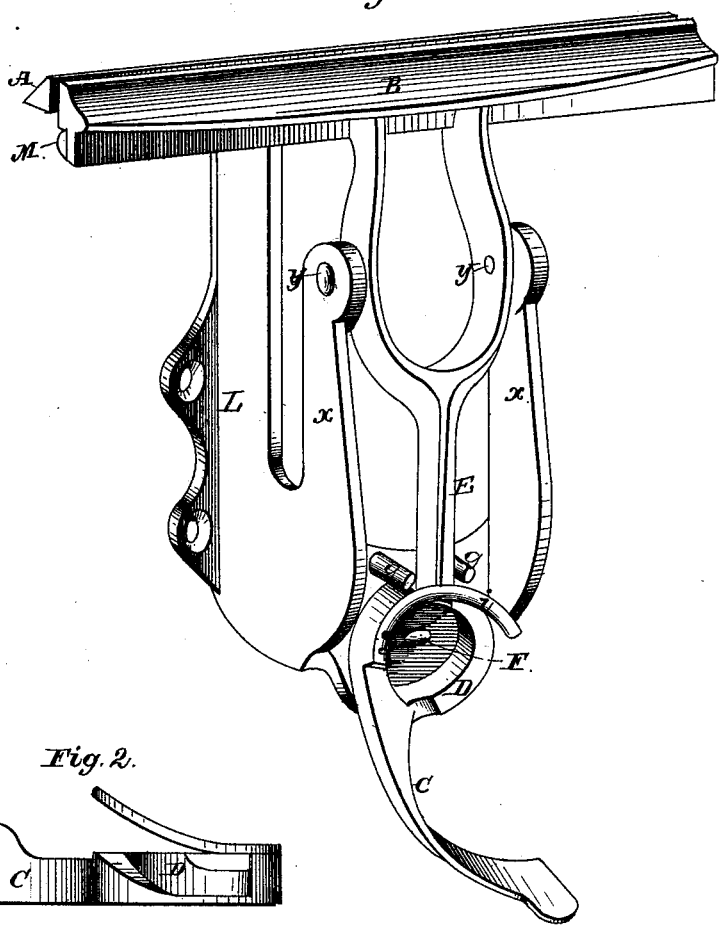


Fig. 2.

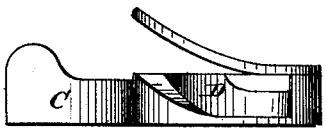
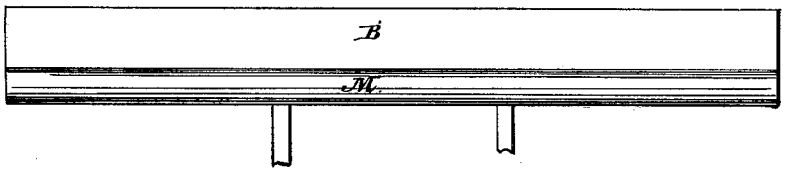


Fig. 3.



Attest.

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WILLIAM P. WENTWORTH, OF SENECA FALLS, NEW YORK.

IMPROVEMENT IN CLAMPING DEVICES FOR FILING SAWS.

Specification forming part of Letters Patent No. **214,071**, dated April 8, 1879; application filed January 21, 1878.

To all whom it may concern:

Be it known that I, WILLIAM P. WENTWORTH, of Seneca Falls, in the county of Seneca and State of New York, have invented a new and useful Improvement in a Clamping Device for Filing Saws, of which the following is a specification.

My invention relates to the manner of pivoting the jaws of the clamp together, also to the device employed to close and open the jaws of the clamp; and, further, to the providing a muffler of the sound produced by filing the saw.

Figure 1 is a perspective view of my invention. Fig. 2 is a plan view of the operating-lever. Fig. 3 is a detached view of one of the jaws.

A represents the stationary jaw, which forms a part of the frame L, which frame is provided with suitable means for attachment to a workbench or other suitable support. Upon the outer edges of this frame are formed the two projections or standards *x*, between the upper ends of which is pivoted or journaled the lever E, which has the movable jaw B secured to its upper end. The pivots *y*, upon which the lever E turns, pass through the lever at that point where the outer surface is curved and rounded, so as to form as small a bearing-surface as possible. If so desired, this curved surface may be formed on the inside standards, *x*, or both the lever and the standards may be curved. The lower end of this lever is kept from any side movement by means of the pins or stops *g*, and the lever is caused to rock or move back and forth upon its journals or pivots by having its end bear against the lever C, which has the cam D formed upon it. As this lever is turned upon its pivot F, the end of the lever E is forced either in or out, as may be desired, and thus the jaw B is made to open or close at will.

Secured to the lower edge of the jaw B is a cushion of rubber, M, which is set in a recess formed along the lower edge of the jaw, so as to protect it, and which rubber forms a cushion, so as to deaden the noise of the saw while being filed.

The form of the cam D is best shown in Fig. 2, and projecting out over this cam is a horn or arm, *i*, which catches over the outside of the lever and keeps it in contact with the lever C.

Having thus described my invention, I claim—

1. The lever C, having the cam D and arm *i*, in combination with the lever E and stops *g*, substantially as set forth.

2. The jaw B, having the cushion M secured to its lower edge, substantially as specified.

WILLIAM P. WENTWORTH.

Witnesses:

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