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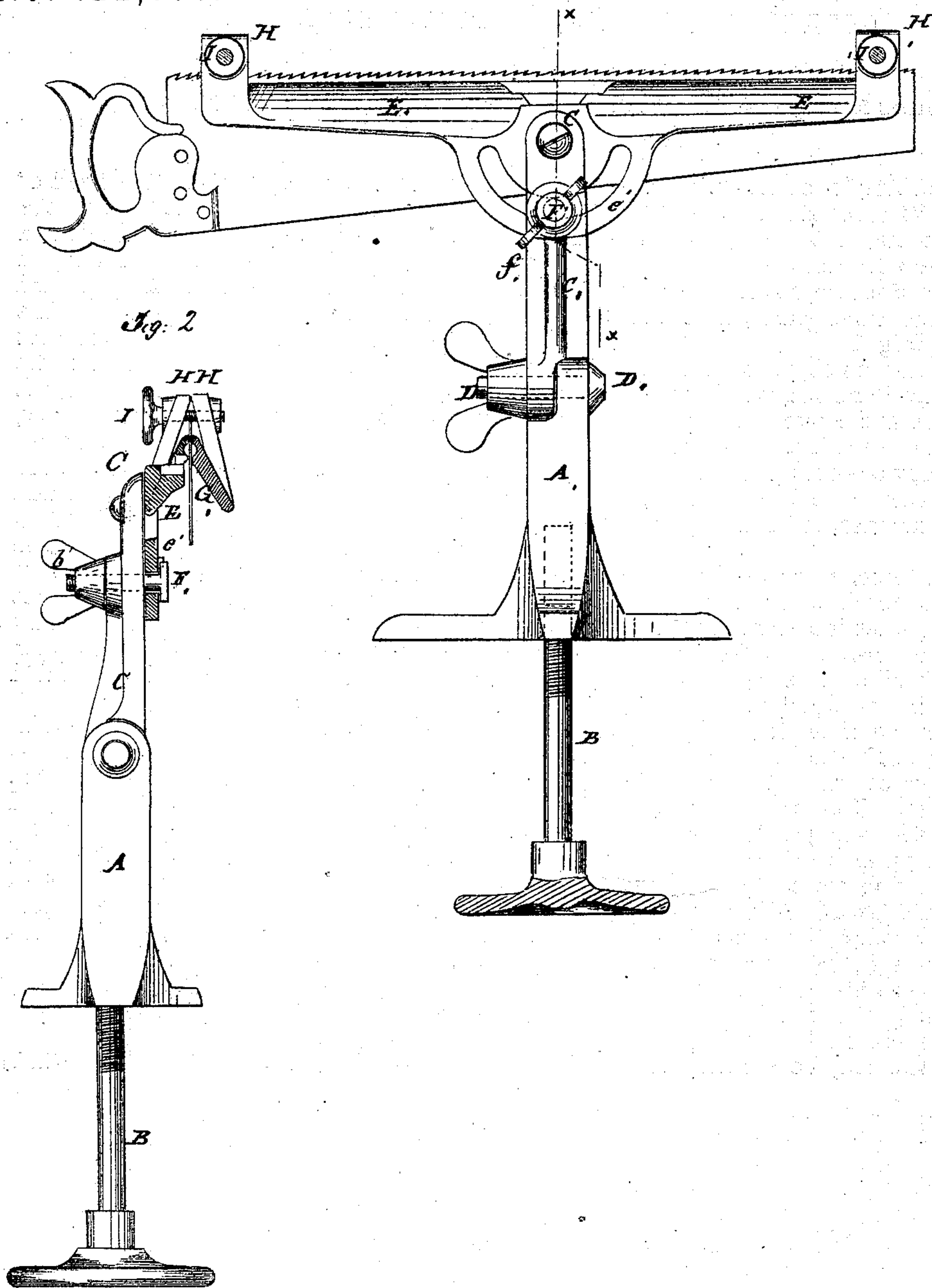
NATHAN H. BALDWIN.

Improvement in Saw Filers Vises.

Fig. 1.

No. 122,144.

Patented Dec. 26, 1871.



Witnesses:

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# UNITED STATES PATENT OFFICE.

NATHAN H. BALDWIN, OF LACONIA, NEW HAMPSHIRE.

## IMPROVEMENT IN SAW-FILER'S VISES.

Specification forming part of Letters Patent No. 122,144, dated December 26, 1871.

Specification describing a certain Improvement in Saw-Filer's Vise, invented by NATHAN H. BALDWIN, of Laconia, in the county of Belknap and State of New Hampshire.

Fig. 1 is a rear view of my improved vise. Fig. 2 is a side view of the same, partly in section, through the line *xx*, Fig. 1.

My invention has for its object to furnish an improved vise for saw-filer's use, which shall be simple in construction and convenient and reliable in use, holding the saw firmly and enabling it to be adjusted in any required position; and it consists in the construction and combination of the various parts of the vise, as hereinafter more fully described.

A is the foot of the vise, which rests upon the bench or support, and to which it is secured by a hand-bolt, B, which passes it up through the said bench or support and screws into the said foot, as shown in Figs. 1 and 2. C is the standard of the vise, the lower end of which is jointed and secured to the upper end of the foot A by means of a bolt and hand-nut, D. To the upper end of the standard C is pivoted the middle part of the rear jaw E of the vise. Upon the lower edge of the middle part of the rear jaw E is formed a half circle, *e'*, having a slot formed in it upon the arc of a circle having its center at the pivoting point of the said jaw E. F is a cross-head bolt, which passes through the slot of the half circle *e'* through a hole in the upper end of the standard C, and has a hand-nut, *f'*, screwed upon it, so that by turning the head of the bolt F across the slot in the half circle *e'* and tightening up the nut *f'* the jaws may be securely held in

place when adjusted. By turning the head of the bolt F longitudinally with the slot in the half circle *e'* the head of the bolt F may be drawn through the slot in the half circle *e'* and into a recess formed in the upper end of the standard C to receive it, thus allowing the position of the jaws to be reversed for holding the saw to joint the teeth. When turned into this position the jaws are secured in place by a simple device, not shown in the drawing. G is the forward jaw, which is made similar to the rear jaw E except that it has no half circle formed upon it. Upon the upper edges of the ends of the jaws E and G are formed upwardly-projecting ears H to receive the hand-bolts I, which pass through holes in the ears of the rear jaw E and screw into holes in the ears of the forward jaw G so as not only to support the said jaw G but also to draw the jaws E G together to clamp the saw between them and hold it firmly while being operated upon.

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

An improved saw-filer's vise, formed by the combination of the foot A, hand-bolt B, jointed standard C, bolt and hand-nut D, jaw E provided with a slotted half circle *e'*, cross-head bolt F, hand-nut *f'*, jaw G, ears H, and hand-bolts I with each other, said parts being constructed and operating substantially as herein shown and described, and for the purpose set forth.

NATHAN H. BALDWIN.

Witnesses:

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