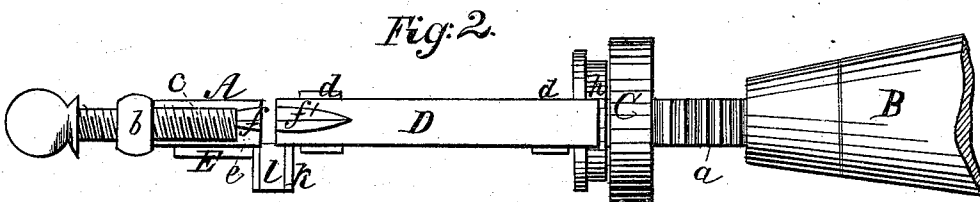
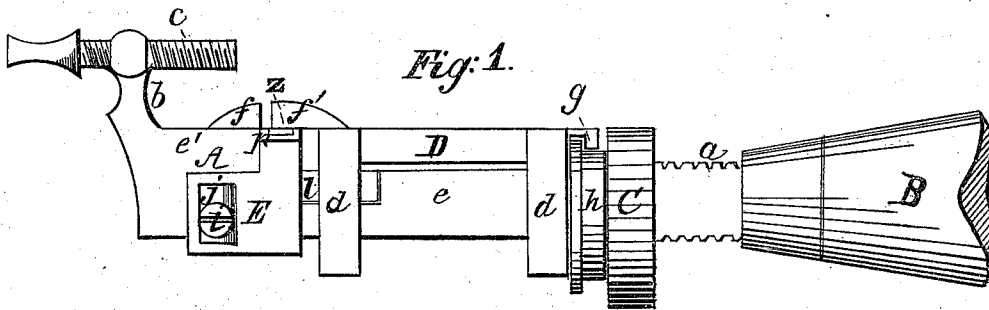


W. B. WEAVER.

Saw Set.

No. 81,442.

Patented Aug. 25, 1868.



Witnesses;
N. C. Aslikentz
Wm A Morgan

Inventor;
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 Attorneys

United States Patent Office.

W. B. WEAVER, OF READING CENTRE, NEW YORK.

Letters Patent No. 81,442, dated August 25, 1868.

IMPROVEMENT IN SAW-SET.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, W. B. WEAVER, of Reading Centre, in the county of Schuyler, and State of New York, have invented a new and improved Saw-Set; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to a new and improved saw-set, and it consists in a peculiar construction of the same, whereby it may be readily adapted for setting the teeth of large and small saws, and also adapted for other purposes or uses than setting saws.

In the accompanying sheet of drawings—

Figure 1 is a side view of my invention.

Figure 2, an edge view of the same.

Similar letters of reference indicate corresponding parts.

A represents a flat metal bar, one end of which is provided with a shank to fit in a wooden handle, B.

The inner part of this bar has a screw-thread, *a*, cut upon it, on which a nut, C, is fitted, and works freely, and the outer end of the bar is formed or cast with a projecting arm, *b*, through which a screw, *c*, passes at right angles.

To the bar A there is fitted a sliding bar, D, which is considerably narrower than A, the bar D being formed or cast with two loops *d d*, through which A passes loosely, the loops serving as guides for the bar D.

The portion *e* of the bar A, against which the bar D is fitted and works, is much narrower than the other part *e'*, so that the part *e* of A and the bar D will just equal in width the part *e'* of A; (see fig. 1.)

On the bar A, at the inner edge of the wide part *e'* of the same, there is a projection, *f*, which serves as a jaw, and a similar jaw, *f'*, is on the outer end of the sliding bar D, the two jaws being in line with each other.

The sliding bar D has a hook-projection, *g*, on its inner end, which fits in a groove, *h*, in the nut C; and, by turning the latter, the jaw *f'* may be moved toward and from the jaw *f*.

To one side of the bar A there is attached a plate, E, a screw, *i*, passing through an oblong slot, *j*, in said plate into the bar.

This plate is formed or cast with a projection, *k*, which is in line with the face of the jaw *f*, and extends outward therefrom at right angles.

The projection *k* is grooved and filled with a strip, *l*, of leather, or other suitable material, which will not injure the teeth of the saw.

This projection *k* serves as a gauge to admit of the implement being adapted for setting fine or coarse saw-teeth, and the screw *c*, by being adjusted in the arm *b*, regulates the degree of set to be given the teeth; the jaw *f'*, by moving the sliding bar D, being adjusted, so that the teeth may be grasped between the two jaws, and bent to the desired angle, which is determined by the screw *c*.

The bar A has a slot made in it, in which leather, or other suitable material, *l*, is fitted.

This leather serves to protect the teeth of very large saws, when it becomes necessary to detach the plate E.

When the plate E is detached, the device may be used as a hand-vise, pliers, &c., &c.

I claim as new, and desire to secure by Letters Patent—

The combination of the leather packing *l* and adjustable plate E with the jaws *f* and *f'*, as herein described, for the purpose specified.

W. B. WEAVER.

Witnesses:

EMMIT DRAKE,

K. M. BENNETT.