

J. F. Brodhead.

Saw-Set.

N^o 76046

Patented Mar. 31, 1868.

Fig. 1.

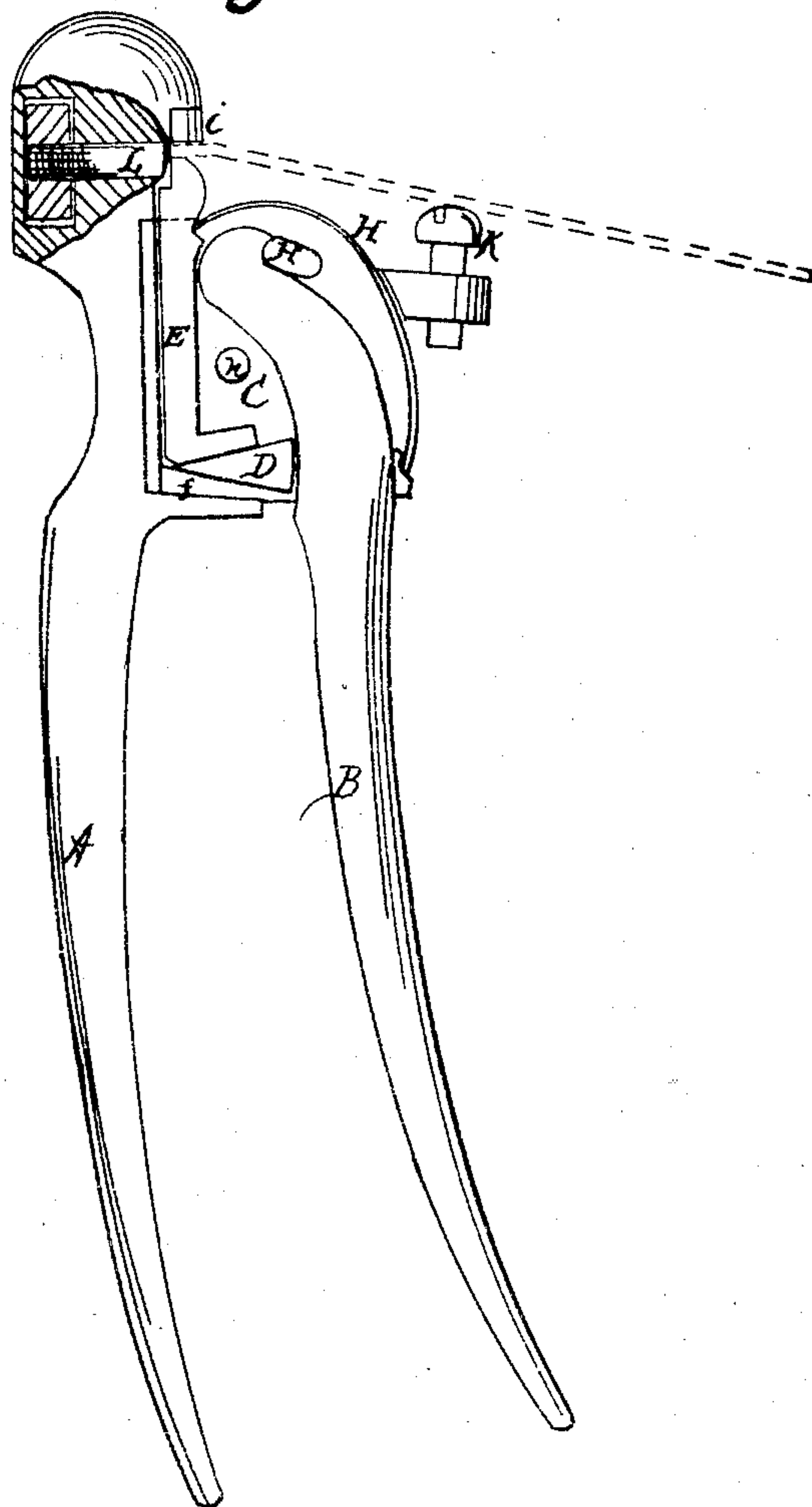


Fig. 2.



Witnesses.
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JAMES F. BRODHEAD, OF RONDOUT, NEW YORK.

Letters Patent No. 76,046, dated March 31, 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, JAMES F. BRODHEAD, of Rondout, in the county of Ulster, 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 method of constructing machines for setting saws; and the invention consists in the general construction and arrangement of parts, whereby the article is rendered not only durable, and not liable to get out of order, but most effective in its operation. The drawing—

Figure 1, represents a longitudinal section of the machine, showing the parts of which it is composed, and the manner of their arrangement.

Figure 2 is a detached view of the regulating-nut.

Similar letters of reference indicate corresponding parts.

This machine is so constructed, that in using it for the purpose intended, a lever-purchase is brought to bear upon a wedge, which action forces the end of a sliding bar towards the head of the machine, thereby gripping the saw-tooth between the two.

A represents the handle or tail of the machine. B is the lever. C is the body of the machine, which contains and supports the operating parts. D is the wedge. E is the sliding bar, the lower end of which, with the lower portion of the body, seen at *f*, forms a double-inclined plane, between which the wedge is operated. The fulcrum of the lever B is at H. J is a spring, which is secured in the body C, the end of which spring engages with the sliding bar E, as seen in the drawing, and the adjustment is such that the tension of the spring forces the bar towards the wedge, while the action of the lever B, when drawn towards A, forces the bar the other way. The red lines represent the saw, with the tooth gripped between the end of this bar and the head of the machine. *i* is a block of hardened steel, fixed in the head of the machine, as seen in the drawing. K is a guide-screw, by which the amount of set to be given the tooth is regulated. L is a sliding-screw gauge, which is regulated by the nut *m*, by which the depth of the set is determined.

The operating parts of the machine, as seen in the drawing, are covered by a plate, so that they are confined in a closed recess. The screw which confines the plate passes through the hole marked *n* in the body C of the machine. This machine is made of malleable or other suitable casting, combined with steel, in such a manner as will insure its durability and efficiency.

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

The wedge D, in combination with the sliding bar E, plate C, handle A B, and gauge-screw L, all arranged as described for the purpose specified.

JAMES F. BRODHEAD.

Witnesses:

JOSIAH DUBOIS, Jr.,

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