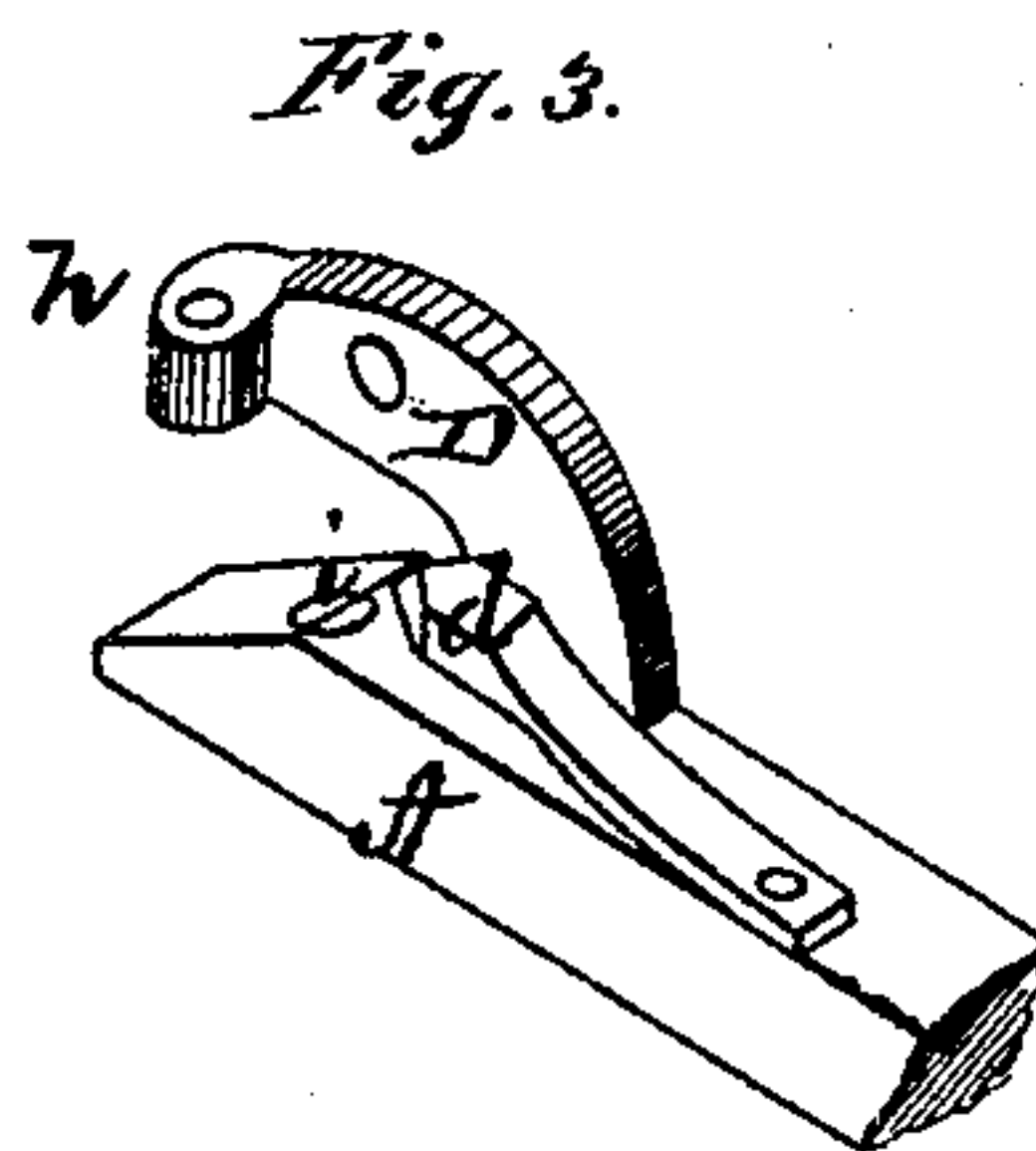
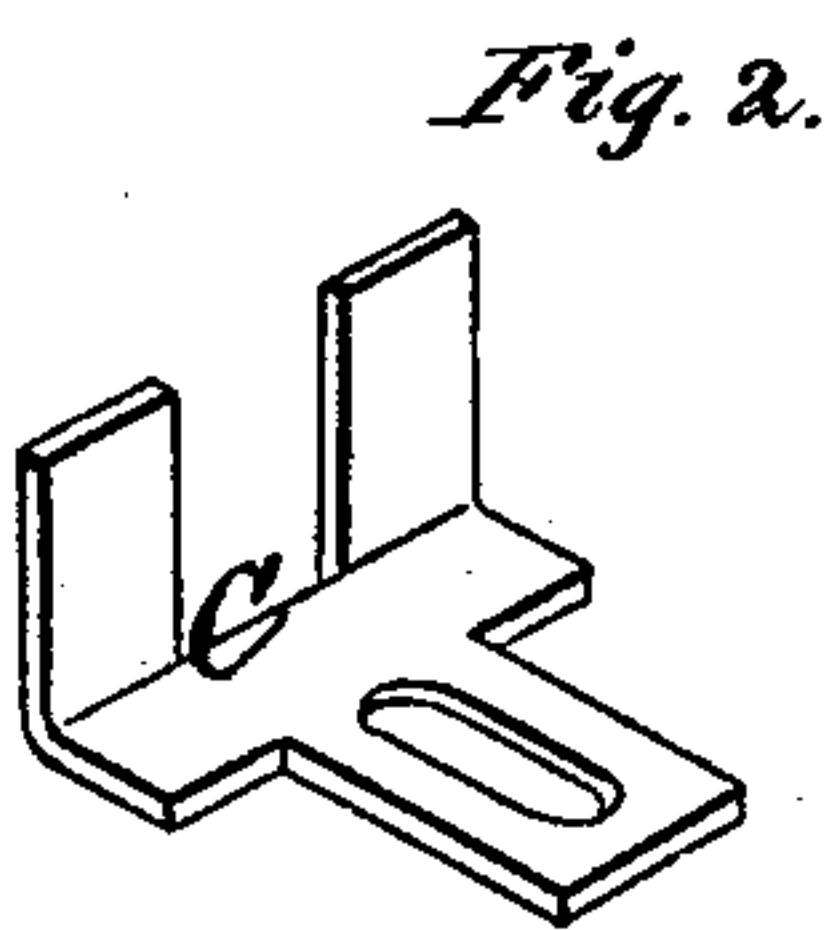
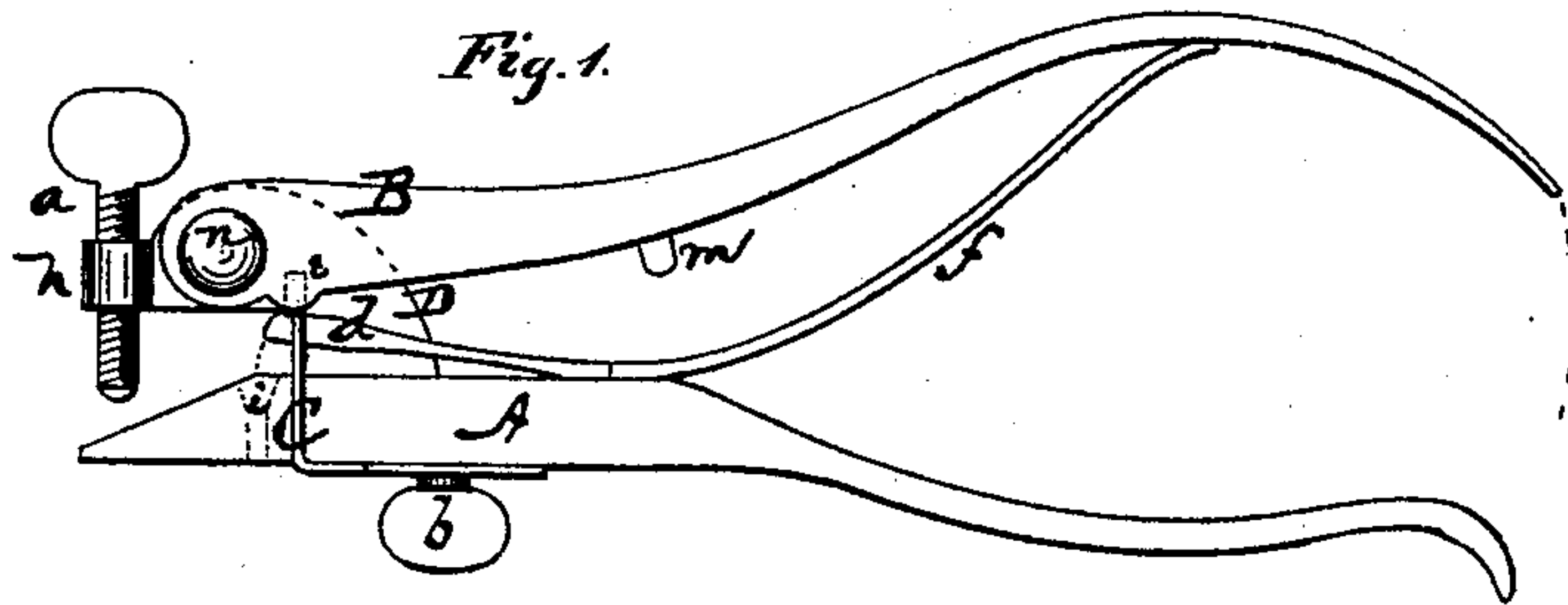


W. NASH.

Improvement in Saw-Sets.

No. 130,936.

Patented Aug. 27, 1872.



Witnesses:

Henry N. Miller

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UNITED STATES PATENT OFFICE.

WILLIAM NASH, OF NEW BRITAIN, CONNECTICUT.

IMPROVEMENT IN SAW-SETS.

Specification forming part of Letters Patent No. 130,936, dated August 27, 1872.

To all whom it may concern:

Be it known that I, WILLIAM NASH, of New Britain, in the county of Hartford and in the State of Connecticut, have invented certain new and useful Improvements in Saw-Set; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of my invention consists in the construction and arrangement of a "saw-set," as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a side view of the entire instrument. Fig. 2 is a perspective view of a gage used in the same; and Fig. 3 is a perspective view of the frame of the instrument.

The instrument is composed of what may be termed a frame, A, lever B, gage C, set-screws *a b*, spring-die *d*, V-shaped at its outer or thick end, and a spring, *f*. The frame A has an arm, D, springing from the back side of it, curving forward, and terminating with a screw-seat, *h*, through which the set-screw *a* passes. The front end of the frame A is beveled, as shown. The lever B is attached to the forward part of the arm D by, and swings upon, a fulcrum pin or screw, *n*. On the under side of the lever, at the swell just back of the fulcrum, is inserted a hardened-steel pin, *e*, which comes in contact with the end of the spring-die *d* when the handles are pressed together, and is designed to prevent said swell wearing when the instrument is used. There is also a projection, *m*, on the under side of the lever B, which is to prevent the instrument being strained or broken if used by an unskillful hand. This projection may be cast or forged on the lever. The spring-die *d*, as well as the spring *f*, is

attached to the frame A, the said spring bearing against the lever B to throw the handles formed on the lever and frame apart. At the upper end of the oblique or beveled part of the frame A, directly under the point of the spring-die *d*, is another hardened-steel pin or block, *i*, to prevent wear. The projection *m* on the underside of the lever also prevents the spring-die from being pressed upon this pin or block *i*, leaving the space between said die and block about the thickness of an ordinary saw-blade. Larger sizes will be made for cross-cut saws. The gage C, constructed as shown in Fig. 2, may be made of brass, copper, or other suitable metal or material, and may be set backward or forward, by means of the set-screw *b*, to accommodate any size or length of saw-teeth.

In operating the instrument the saw-blade is passed under the end of the set-screw *a*, bringing the point of the tooth to be set under the point or end of the spring-die *d*, pressing the points of the adjoining teeth against the gage C. The set-screw *a* is then moved up or down, according to the amount of set required. Then close the hand, and the tooth will be set. Pass the saw-blade along and set each alternate tooth. Then turn over the blade and set the remaining teeth in the same manner.

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

The combination of the frame A, lever B, gage C, set screws *a b*, spring-die *d*, spring *f*, steel pins *e i*, and projection *m*, all constructed and arranged substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 13th day of July, 1872.

WILLIAM NASH.

Witnesses:

O. S. JUDD,
W. W. HOSFORD.