J. D. SPILLER.

Saw Set.

No. 16,697. Patented Feb. 24, 1857.

Fig. 1.

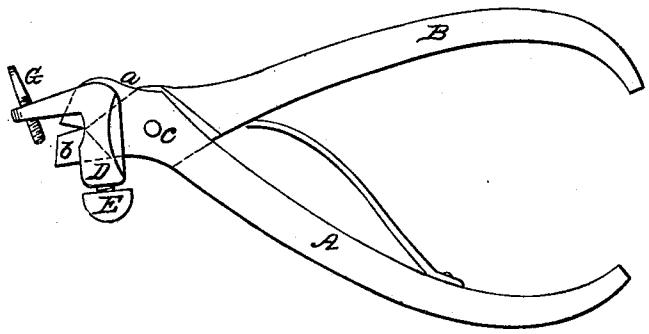


Fig. 3.

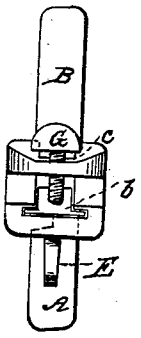


Fig. 2.

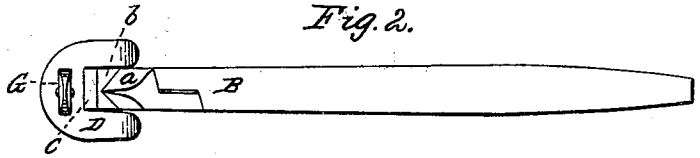
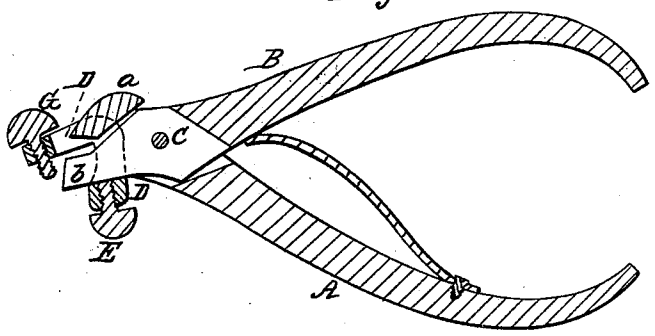


Fig. 4.



UNITED STATES PATENT OFFICE.

JOSEPH D. SPILLER, OF CONCORD, NEW HAMPSHIRE.

SAW-SET.

Specification of Letters Patent No. 16,697, dated February 24, 1857.

To all whom it may concern:

Be it known that I, JOSEPH D. SPILLER, of Concord, in the county of Merrimac and State of New Hampshire, have invented a new and useful Improvement in Nipper Saw-Sets; and I do hereby declare the same to be fully described and represented in the following specification and the accompanying drawings, of which—

Figure 1, denotes a side view of a nipper saw set having my improvement. Fig. 2, is a top view of it. Fig. 3, a front end view. Fig. 4, a vertical, central and longitudinal section of it.

In these drawings, *a*, and *b*, denote or indicate the upper and lower jaws of the saw-set, these jaws being constructed on, or respectively applied to two levers A, B, which cross one another and turn on a joint pin as shown at C. The upper jaw has an angular form as shown in Fig. 2, the front end of the lower jaw being square to the sides of it.

There is applied to the lower jaw and so as to slide back and forth on it and either toward or away from the joint pin, a movable and adjustable frame, D, the method of applying such being by a dovetailed connection, or its equivalent as shown in Fig. 3. This frame embraces the two jaws or extends upward on their opposite sides and is then bent or turned forward at about a right angle as shown in Figs. 1, 2, and 4, it being formed at top with a space or opening *c*, through which a person may look and perceive the upper jaw and the teeth of a saw when placed between the jaws.

The frame D, is provided with a clamp screw E by which its position on the lower jaw may be defined or fixed, as circumstances may require—such frame being the gage for the teeth of the saw to rest against, while they are being bent by the jaws—the gage serving to determine the distance to which they may extend under the upper jaw.

Besides the setting screw, the gage or movable frame D, is provided with a bearing screw, G, which screws down through the front and upper part of the frame D, as shown in the drawings. This bearing screw serves to regulate the angle of the blade of the saw to the face of the lower jaw. By combining the gage and the bearing screw in one movable frame, the whole instrument is much simplified in its construction, with respect to most other nipper saw-sets in use. This simplicity in construction does not detract from its utility, while it enables the sawset to be manufactured at less expense, and afforded at a less price, comparatively speaking.

What I claim is—

Combining the gage and bearing screw in one movable frame, applied to the lower jaw and furnished with a set-screw substantially as described.

In testimony whereof I have hereunto set my signature.

JOSEPH D. SPILLER.

Witnesses:

S. G. LANE,

L. D. STEVENS.