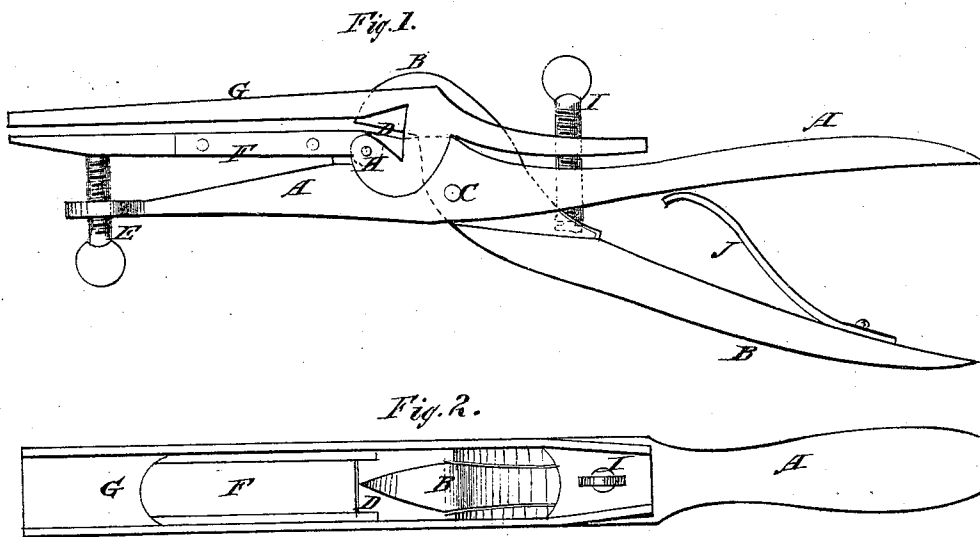


S. H. CALLIGAN.

Improvement in Saw-Sets.

No. 129,456.

Patented July 16, 1872.



Witnesses:

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UNITED STATES PATENT OFFICE.

SAMUEL H. CALLIGAN, OF FOREST CITY, MAINE.

IMPROVEMENT IN SAW-SETS.

Specification forming part of Letters Patent No. 129,456, dated July 16, 1872.

Specification describing a new and useful Improvement in Saw-Sets, invented by SAMUEL H. CALLIGAN, of Forest City, in the county of Washington and State of Maine.

This invention relates to instruments for setting saws; and consists in the construction and arrangement of parts hereinafter described.

In the accompanying drawing, Figure 1 represents a side view of the improved saw-set, and Fig. 2 a top view.

Similar letters of reference indicate corresponding parts.

A and B are the handles and jaws, which are pivoted together at the point C, so that they work like a pinchers, the saw-teeth being set between the jaws. The jaw A forms a bed, D, and the jaw B, which is pointed, as seen in Fig. 2, works thereon, the tooth being gripped between the two. To guide and govern the saw-plate two extra jaws are connected with the jaw A, which latter extends forward with a set-screw, E, by which screw the jaw is graduated to form more or less of an angle with the tooth-bed D. Upon this angle depends the amount of set which is given the teeth of the saw. The plate of the saw rests upon the jaw F, and is held in that position by the jaw G, which is so arranged that while each tooth is being set this upper jaw G is

pressed down onto the saw-plate. This jaw is attached to the jaw A by the joint-pivot H, so that both the extra jaws are jointed by the same pivot. The jaw G extends back over the handle A, and has a thumb-screw, I, which works through it as through a screw-nut. This screw passes through the jaw or handle A, and its end is fixed or fastened in the jaw or handle B so that it may freely revolve but have no longitudinal motion. J is a spring, attached to B, whose duty it is to throw the jaws apart.

By this construction and arrangement it will be seen that the saw-plate is gripped and held fast while its teeth are being set, and that the amount of set can be regulated by the set-screws, as may be desired.

I do not confine myself to the precise form or arrangement of any of the parts described, as variations may be made without departing from my invention.

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

A saw-set, consisting of the jaws and handles A B, bed D, extra jaws F G, and screws E and I, when the same are arranged to operate substantially as described.

SAMUEL H. CALLIGAN.

Witnesses:

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