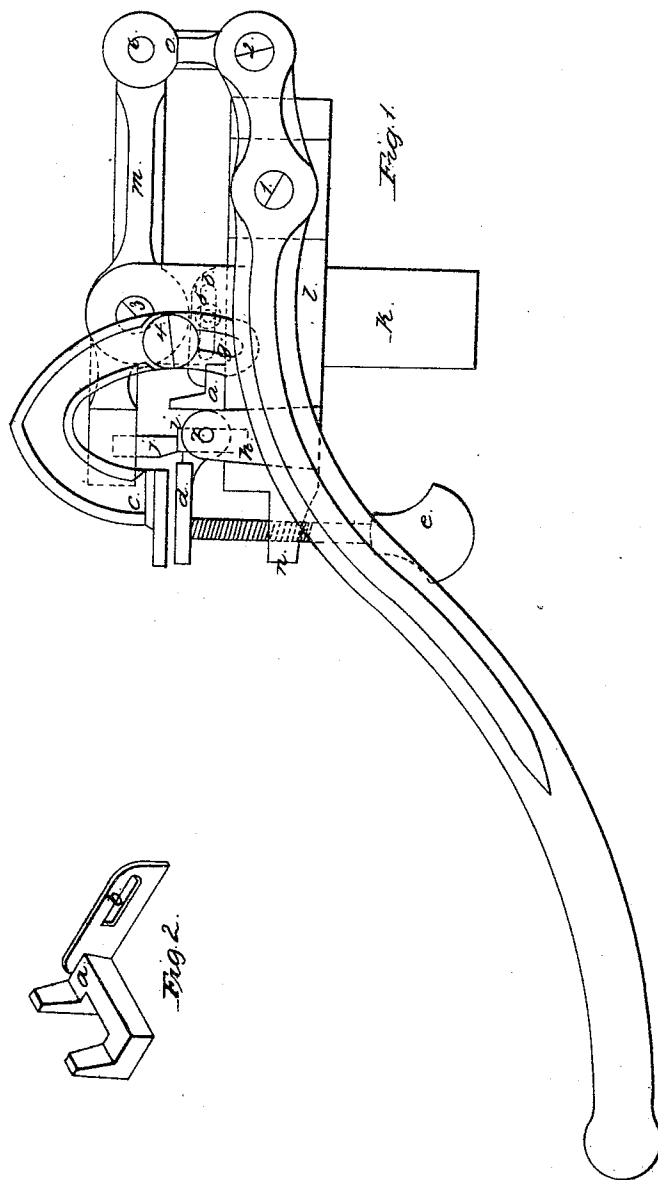


J. Beach.

Saw-Set.

N^o 26,155.

Patented Nov. 22, 1859.



Witnesses.
James J. Johnston
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UNITED STATES PATENT OFFICE.

JERRED BEACH, OF FREEPORT, PENNSYLVANIA.

IMPROVED SAW-SET.

Specification forming part of Letters Patent No. **26,155**, dated November 22, 1859.

To all whom it may concern:

Be it known that I, JERRED BEACH, of Freeport, in the county of Armstrong, in the State of Pennsylvania, have invented a new and Improved Saw-Set; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in a mechanical arrangement of set-screws, graduating rest-plate, guide, gage, levers, anvil, and set, the whole being arranged and constructed in the manner hereinafter described.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

In the accompanying drawings, Figure 1 is a side view of my improved saw-set. Fig. 2 is a perspective view of the gage. The gage is held in the desired position by means of a set-screw, 5.

c is the guide, which is furnished with a slot, *g*, and is secured in the proper place and position by means of a set-screw, 4.

d is the graduating rest-plate, and is furnished with two hinges, which are secured to the lugs *h* by rivets 7.

u is a lug through which the regulating-screw *e* passes, which is used for the purpose of raising or lowering the graduating rest-plate *d*.

l is the base or body of the saw-set.

f is the operating-lever, which is secured to the base *l* by means of a set-screw, 1, which acts as a fulcrum for lever *f*.

m is a lever to which the set *j* is attached. The lever *m* has its fulcrum at 3, and is connected with lever *f* by a connecting-link, *o*,

which is secured to levers *f* and *m* by means of a set-screw, 2, and rivet 6.

i is the anvil, which is secured in the base or body *l*.

k is a projection or lug by which the saw-set is held.

The operation of my improved saw-set is as follows: Having every part arranged and constructed as represented in Fig. 1, with gage *a* set to suit the length of the teeth of the saw, and the graduating rest-plate raised or lowered by the regulating-screw *e*, so as to give the desired set to the teeth, and the guide-plate *c* set to the thickness of the saw-blade, the saw is then placed between the graduating rest-plate *d* and guide *c*, with the teeth over the anvil *i* and under the set *j*, with the points of the teeth pressed or held up to the gage *a*. Then by pressing down on lever *f* the back end of lever *m* will be raised and the front end lowered, which will bring the set *j* in contact with the tooth resting over anvil *i*, and thereby give it the desired set.

Having thus described the nature, construction, and operation of my improved saw-set, what I claim as of my invention, and desire to secure by Letters Patent of the United States, is—

The arrangement of the guide *c* with slot *g*, levers *f* and *m*, connecting-link *o*, set-screws 1, 2, 3, 4, and 5, when used in connection with the gage *a*, graduating rest-plate *d*, regulating-screw *e*, anvil *i*, and set *j*, the whole being arranged and constructed substantially as herein described, for the purpose set forth.

JERRED BEACH.

Witnesses:

JAMES J. JOHNSTON,
GEORGE P. STECK.