(No Model.)

R. E. POINDEXTER.

SAW SET.

No. 291,224. Patented Jan. 1, 1884.

Fig. 1.

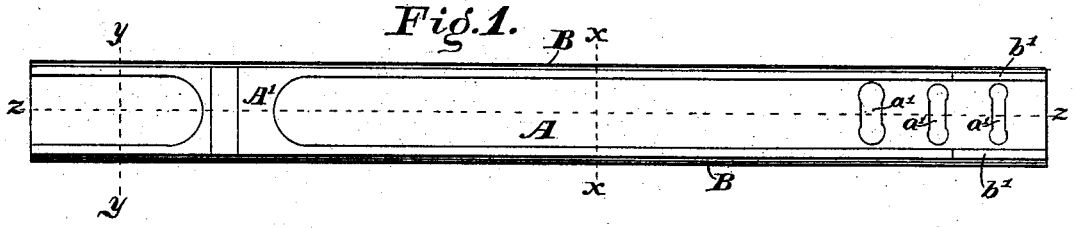


Fig. 2.

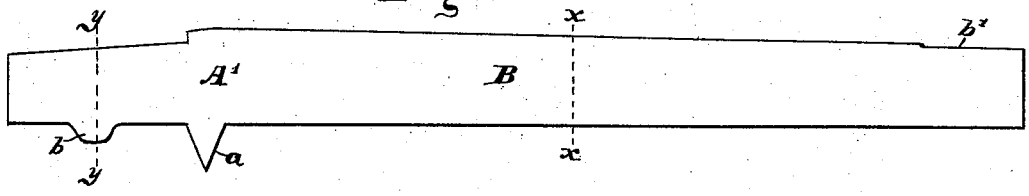


Fig. 3.

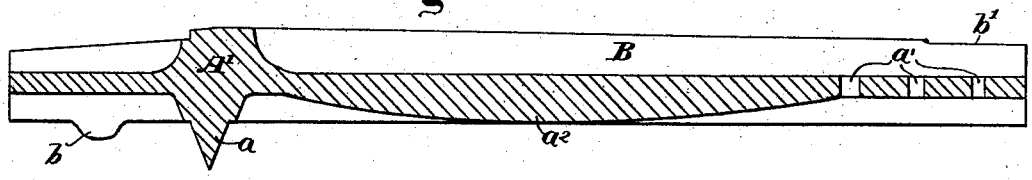


Fig. 4.

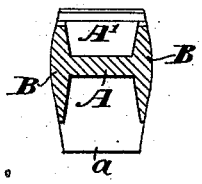
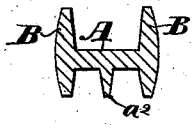


Fig. 5.



WITNESSES.

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ROBERT E. POINDEXTER, INDIANAPOLIS, INDIANA.

SAW-SET.

SPECIFICATION forming part of Letters Patent No. 291,224, dated January 1, 1884.

Application filed June 29, 1883. (No model.)

To all whom it may concern:

Be it known that I, ROBERT E. POINDEXTER, of the city of Indianapolis, county of Marion, and State of Indiana, have invented certain new and useful Improvements in Saw-Sets, of which the following is a specification.

My said invention consists in an improvement in saw-sets, whereby there is produced in a single piece a device adapted to be used either as a hammer-set or a hand-set, and also, if desired, as a gage, as will be hereinafter more particularly described and claimed.

Referring to the accompanying drawings, which are made a part hereof, and on which similar letters of reference indicate similar parts, Figure 1 is a top or plan view of my improved set; Fig. 2, a side elevation of the same; Fig. 3, a longitudinal section on the dotted line *z z;* Fig. 4, a transverse sectional view, looking to the right from the dotted line *y y;* and Fig. 5, a similar view, looking to the right from the dotted line *x x*.

In said drawings, the portions marked A represent the web or central portion of the set, and B the side portions. The web A is cast integrally with the side pieces, B, and is thickened near one end, to the same thickness as the width of the side pieces, B, forming an anvil-like portion, A′, directly under which is a projection, *a*, which serves to hold the device firmly on the block, when used for a hammer-set, by being inserted in said block. The front side of the face of the anvil-like portion A′ slopes downwardly at an angle corresponding with the desired set of the saw, as shown.

In the rear end of the web A several holes, *a′*, are formed, which extend across said web, and are adapted to receive the saw-teeth points when it is desired to use the device as a hand-set.

On the under side of the web A, and extending along the central portion thereof, is a rib, a^2, which serves to stiffen the device. The side pieces, B, are cast integrally with the other portions. The upper edges are dressed to a straight edge parallel with the rear portion of the face of the anvil A′. At the rear end, at *b′*, these edges are cut down, which enables the device to be used as a gage or tester by placing the straight portion against the face of the blade, and the cut-down portion alongside the teeth. On the lower edges of said side pieces, at the front end, are provided projections *b*, which are inserted in the block when used as a hammer-set, and, together with the projection *a*, serve to hold the device in place.

My invention is operated in the following manner: When the device is to be used as a hammer-set, it is mounted on a block, where it is held in position by means of the projections *a* and *b*, which enter said block. The saw is then laid across the set, upon the top edges of the side pieces, B, at right angles therewith, the saw-tooth projecting over the inclined portion of the anvil-face A′, the root of the tooth being directly at the apex of the incline. A blow from a hammer then gives the desired set. The saw is then moved along, and the next tooth to be set served in a like manner, and so on, until all the teeth of that side of the saw are set, as desired. The saw is then reversed, and the other side set in like manner.

When the device is to be used as a hand-set, the points of the teeth are successively inserted in one of the holes *a′*, and the forward portion is used as a handle to bend said teeth. The holes *a′* are of different sizes, as shown, and are thus adapted to accommodate different sizes and thicknesses of saws, and to give the user a choice of widths to which the saw may be set to cut. This, as will be readily seen, makes a very cheap and handy set for use where the operator is in a hurry, and a very particular job is not required.

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

1. A device for setting saws, cast in one piece, formed with sides B, a connecting-web, A, said web being provided in one end with a series of holes, *a′*, extending crosswise thereof, between the sides B, said holes varying in size, whereby they are adapted to be used on different-sized teeth, and the whole set is adapted to be used as a hand-set when desired, substantially as set forth.

2. A device for setting saws, provided with

an anvil, A′, having an inclined face, and spur projections *a b*, for holding the same in place, and a series of holes, *a′*, adapting it to be used also as a hand-set, substantially as set forth.

3. A device for setting saws, formed of a single casting, having sides B, a connecting-web, A, wherein are holes *a′*, and on the under side of which is a rib, a^2, an anvil-like portion, A′, and projections *a* and *b* upon its lower side, substantially as shown and specified.

4. A device for setting saws, constructed in a single piece and embodying an anvil-set, a hand or wrench set, and a gage, said several parts being constructed and operating substantially as shown and described, and for the purposes specified.

In witness whereof I have hereunto set my hand and seal, at Indianapolis, Indiana, this 26th day of June, A. D. 1883.

ROBERT E. POINDEXTER. [L. S.]

In presence of—
C. BRADFORD,
E. W. BRADFORD.