

H. A. Harris,

Saw Set.

No. 110,650.

Patented Jan. 3. 1871.

Fig. 1.

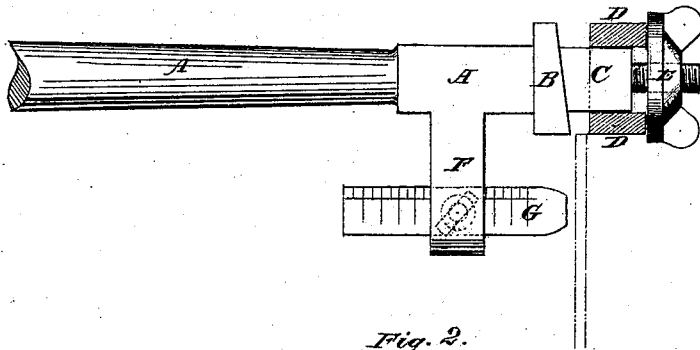
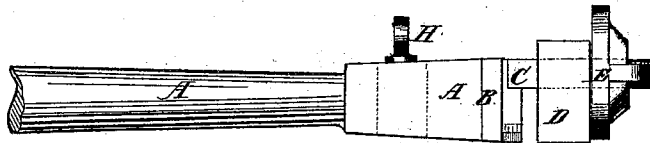


Fig. 2.



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HENRY A. HARRIS, OF CENTER, TEXAS.

Letters Patent No. 110,650, dated January 3, 1871; antedated December 23, 1870.

IMPROVEMENT IN SAW-SETS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, HENRY A. HARRIS, of Center, in the county of Shelby and State of Texas, have invented a new and improved Saw-Set; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming a part of this specification, in which—

Figure 1 is a side view of my improved saw-set, partly in section, to show the construction.

Figure 2 is a top view of the same.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved saw-set for setting the teeth of circular and other saws, which shall be simple in construction, convenient in use, and effective in operation, enabling the teeth to be all set at the same pitch and at any desired pitch; and

It consists in the construction and combination of the various parts, as hereinafter more fully described.

A is the handle of the instrument, upon the forward part of which is formed, or to it is securely attached, the stationary jaw B, the face of which may be slightly inclined, as shown in figs. 1 and 2, and upon it is formed a scale of division-marks, to enable the operator to regulate exactly the distance to which the teeth are inserted in the instrument.

From the face of the jaw B, at or near one side, projects a square tenon, C, which may be formed solid with the parts A B, and which passes through a square

hole in the movable jaw D, which is held in place upon the said tenon by a thumb-nut, E, screwed upon a screw-thread cut upon the projecting end of the said tenon C, as shown in figs. 1 and 2. This construction enables the jaws to be easily and conveniently adjusted at a distance apart corresponding with the thickness of the plate of the saw to be operated upon.

Upon the lower side of the forward part of the shank of the handle A is formed an arm, F, through the lower part of which is formed a mortise to receive the gauge G, which has a scale of division-marks formed upon its side, and which is adjustably secured in place by a set-screw, H, as shown in the drawing, so that the instrument may be conveniently adjusted to give a greater or lesser set to the teeth, as may be desired, and when adjusted will give exactly the same set to all the teeth.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

An improved saw-set, formed by the combination of the handle A, stationary jaw B, having a scale of division-marks formed upon its face, tenon C, adjustable jaw D, thumb-nut E, arm F, gauge G having a scale of division-marks formed upon it, and set-screw H, with each other, substantially as herein shown and described, and for the purposes set forth.

HENRY A. HARRIS.

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