

W. A. Smith,

Saw Set.

No. 107,733.

Patented Sept. 27, 1870.

Fig: 1

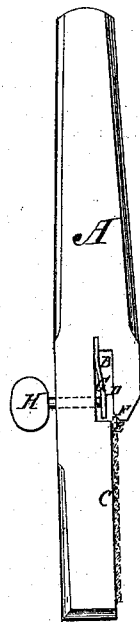


Fig: 2



Witnesses:

Chas. Nida.
L. S. Moabey

Inventor:

W. A. Smith

Wm. M. & Co.
Attorneys.

United States Patent Office.

WILLIAM A. SMITH, OF DRESSERVILLE, NEW YORK.

Letters Patent No. 107,733, dated September 27, 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, WILLIAM A. SMITH, of Dresserville, in the county of Cayuga and State of New York, 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 part of this specification.

This invention relates to an improved saw-set which is adapted for setting the teeth of cross-cut saws by driving a tool, resembling, in some respect, the common upsetting tool used for spreading the teeth of saws cutting with the grain of the wood, against the points of the teeth.

Figure 1 is a side elevation of my improved saw-set; and

Figure 2 is a front elevation of the same.

Similar letters of reference indicate corresponding parts.

A is a steel bar, of any approved size, shaped at the upper end suitably for holding in the hand while driving upon it with a light hammer.

At the base of the part forming the handle a mortise, B, is made through it from side to side.

From the lower end of this mortise the bar is narrowed, so that the edge C is in the same plane, or very nearly, as the plane of the wall D of the mortise, and a notch, E, is made at the corner of the

mortise into it above this wall C, by cutting off the corner F of the side wall of the mortise about as wide as the thickness of the teeth of the saws to be set.

G is the gauge-spring attached to the tool at the corner of the mortise diagonally across the latter from the notch E, extending to the lower wall; and

H is a temper-screw screwing through the stock into the mortise against the spring near the lower end for setting out toward the notch E, more or less, as may be required.

In using this tool, the wall C is placed by the side of the saw-plate, and the point of the tooth is placed in the notch E against the oblique wall F. The tool is then pounded by a hammer until the point of the tooth is bent over so as to touch the spring, which, being adjusted to or from the notch, regulates the set of the teeth.

Instead of the spring-gauge, a sliding block may be used for the same purpose with good results.

Having thus described my invention,

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

The improved saw-setting tool, having the mortise B, wall C, notch E, oblique wall F, gauge-spring, and screw, all arranged substantially as specified.

WILLIAM A. SMITH.

Witnesses:

LYMAN M. ROBISON,
EBENEZER EATON.