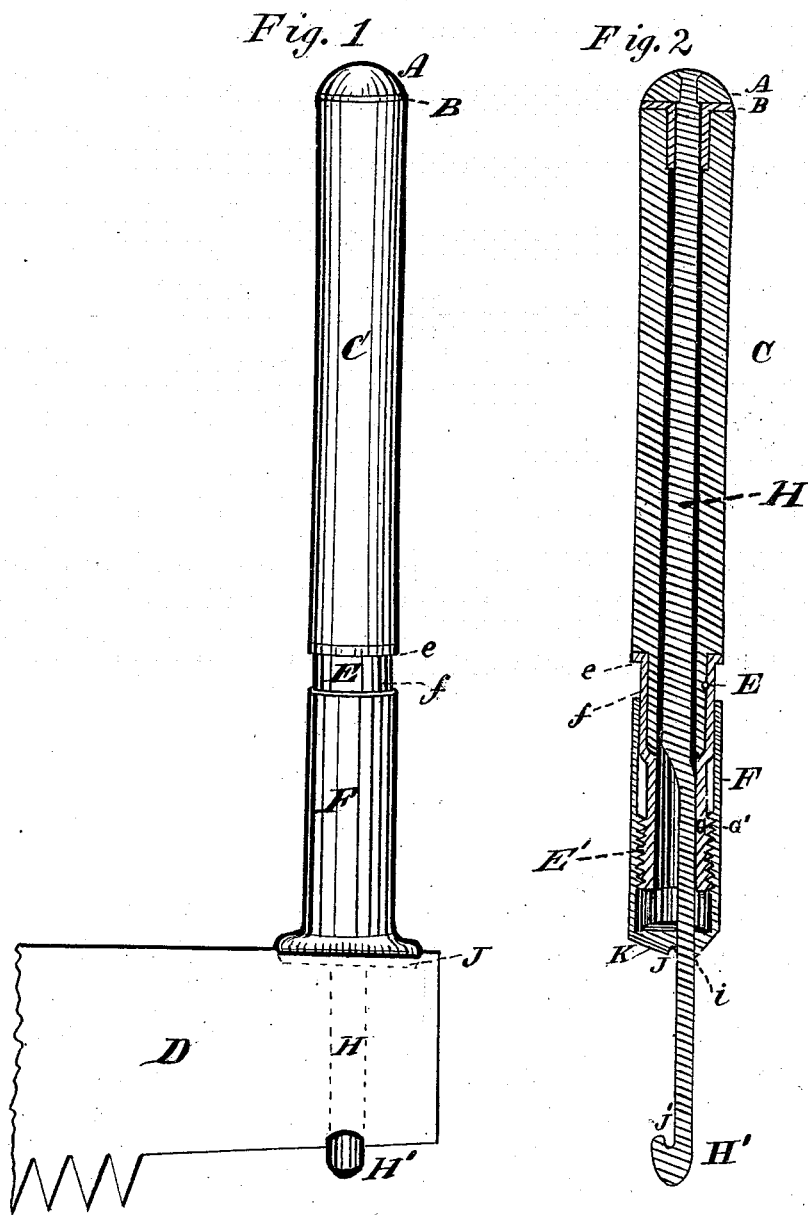


R. F. SPRAGUE.
Crosscut-Saw Handle.

No. 201,298.

Patented March 12, 1878.



Attest:
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UNITED STATES PATENT OFFICE.

RUFUS F. SPRAGUE, OF GREENVILLE, MICHIGAN.

IMPROVEMENT IN CROSSCUT-SAW HANDLES.

Specification forming part of Letters Patent No. **201,298**, dated March 12, 1878; application filed December 12, 1877.

To all whom it may concern:

Be it known that I, RUFUS F. SPRAGUE, of the city of Greenville, in the county of Montcalm and State of Michigan, have invented certain new and useful Improvements in Saw-Handles; and I do hereby declare that the following is a full, clear, and exact description of my invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a side elevation of my improved handle applied to a crosscut-saw, and Fig. 2 is a longitudinal section of the same.

Similar letters of reference indicate corresponding parts in both the figures.

My invention relates to adjustable saw-handles; and it consists in an improved construction and combination of parts, substantially as hereinafter more fully described, and pointed out in the claim.

In the drawings, C is the handle, which is made of wood or metal, and hollow inside. The lower part of the handle is tenoned off and inserted into a socket-piece or ferrule, E, having an annular shoulder, e, and smooth cylindrical section, f, the end or lower part of which forms a screw-threaded section, E' of somewhat smaller diameter than the upper smooth part.

Into the upper end of the tubular handle C is inserted a sleeve or collar, B, forming a seat for the cap or button A, which is secured upon the top or upper end of rod H, so as to turn freely upon the collar B. The socket-piece E is inserted into a sleeve, F, the upper part of which is smooth, and slides upon the cylindrical smooth part of ferrule E, while the lower part has a female screw-thread, G', which takes with the male screw-thread G of the ferrule E E'.

The closed end or bottom K of sleeve F has a notch or groove, J, and also a perforation, i, through which passes the lower end of rod

H, the lower part of which is cut away, and the end of it bent to form a hook, H', which faces or is directly under the notch or seat J, so as to form a clamp, J J', the width of which may be adjusted to fit any saw-blade by simply turning the tubular handle C, and thereby working sleeve F up or down, according to the direction in which it is turned. The insertion of the saw-blade into this clamp is facilitated by beveling the under side or bottom K of sleeve F, as shown in Fig. 2, so as to form a slope or incline, which will guide the upper edge of the blade into notch or seat J.

From the foregoing description the operation of my improved saw-handle will be readily understood. The saw-blade having been inserted sidewise into the clamp formed by the hook H' and groove or seat J, this is tightened down upon the upper edge of the blade by turning handle C, the upper smooth part of the shouldered ferrule E serving as a guide for the sleeve F, so as to cause an easy and even up-and-down motion of the latter, which will cause seat J to bear evenly against the edge of the blade, thus securing this firmly in position.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The improved adjustable saw-handle herein shown and described, consisting of the following parts or elements in combination, viz: the tubular handle C, having shouldered ferrule E E', sleeve F, having screw-thread G' at its lower end, and terminating in the beveled button K, having seat J, and rod H, having button A and hook H', substantially as and for the purpose specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

RUFUS F. SPRAGUE.

Witnesses:

ALEXANDER GLEASON,
FRANK A. TOMPKINS.