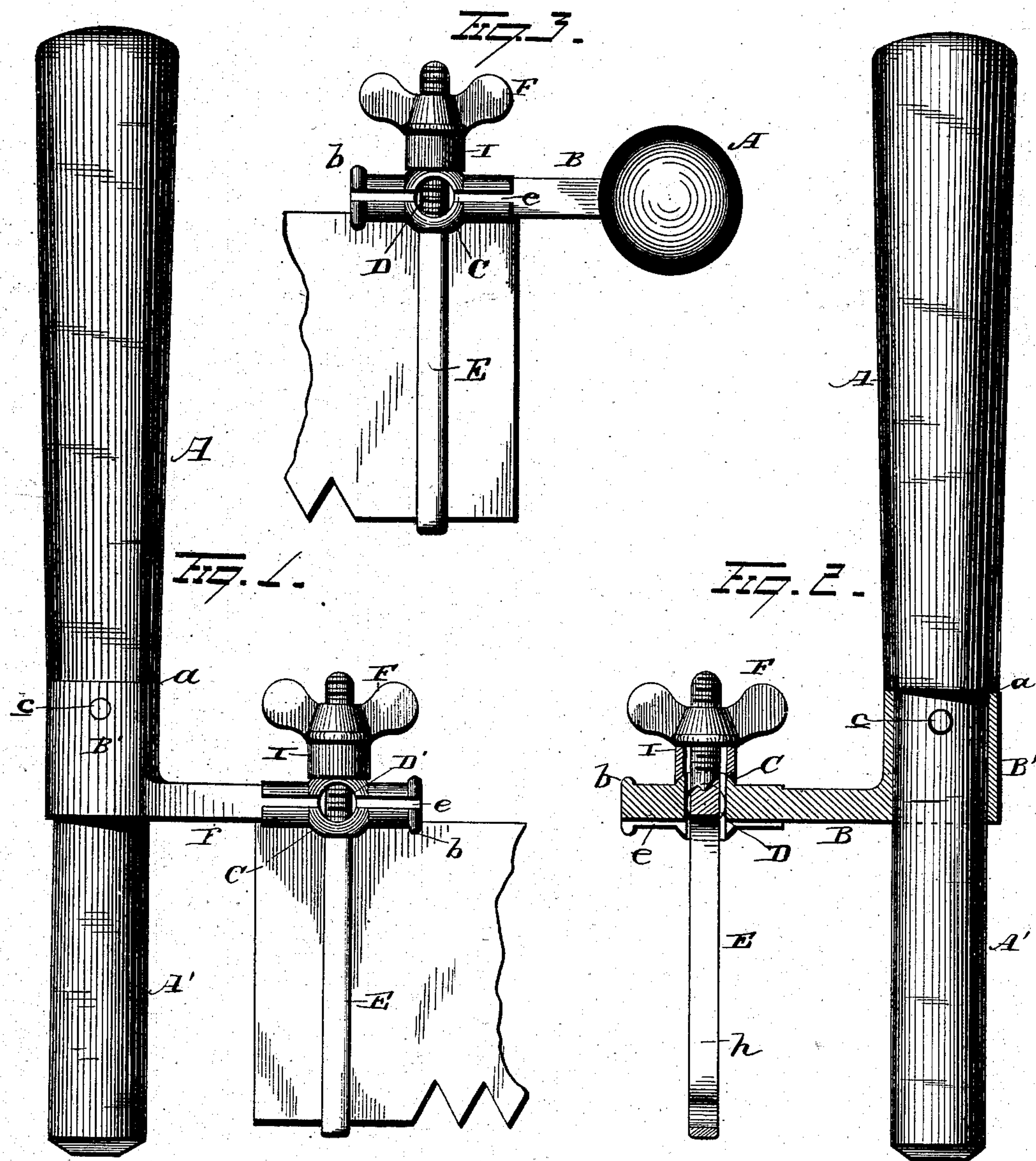


(Model.)

W. CLEMON.  
SAW HANDLE.

No. 257,920.

Patented May 16, 1882.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

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## SAW-HANDLE.

SPECIFICATION forming part of Letters Patent No. 257,920, dated May 16, 1882.

Application filed February 11, 1882. (Model.)

*To all whom it may concern:*

Be it known that I, WM. CLEMSON, of Middletown, in the county of Orange and State of New York, have invented certain new and useful Improvements in Crosscut-Saw Handles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same.

My invention relates to an improvement in crosscut-saw handles, the object of the same being to provide handles capable of being used on either end of the saw in the same plane with the handle or in a plane at right angles thereto; and with these ends in view my invention consists in certain details in construction and combinations of parts, as will be more fully explained, and pointed out in the claim.

In the accompanying drawings, Figure 1 is a side view, showing my improved handle with a saw-blade in position. Fig. 2 is a longitudinal sectional view of the same, and Fig. 3 is a view showing the saw secured in position at right angles to the handle.

A represents the handle, provided with the lower extension, A', and with the shoulder *a*, against which the socketed end of the shank B rests. This shank is provided at its inner end with the large socket B', adapted to fit over the lower extension, A', of the handle and afford a sufficient bearing for the said shank B. This socket is securely held in position on the handle and prevented from longitudinal displacement thereon by the pin *c*, which passes through one end of the socket into the handle.

The shank B is of any suitable shape, and is continued outward from the socket B' for a suitable distance, and is provided near its outer end with the enlargement C, extending entirely around the same. This enlargement is provided with the holes D and D', running centrally through the same at right angles to each other, for the passage of the clamping-bolt E, which latter is removably secured to the shank by means of the thumb-nut F. This shank B is also provided on its outer end with

the rib *b* and on its under face and two side faces with longitudinal grooves *e* for the reception of the saw-blade in the different positions in which it is capable of being secured in relation to the handles.

The form of the clamping-bolt E corresponds in shape to the form of the holes D D', and is provided in its body portion with the longitudinal slit *h* for the reception and retention of the saw-blade, and with the screw-threaded lower portion, by means of which, together with the thumb-nut F, the saw is held in position.

I is a loose sleeve, adapted to be placed on the clamping-bolt E and form a firm and extended bearing for the thumb-nut F. The lower end of the sleeve I is made concave to fit the convex surface of the enlargement C in the different adjustments of the saw, and by this construction the clamping-bolt is self-adjusting on the shank, and hence all uneven strain and wear on the nut and threaded shank of the clamping-bolt are obviated.

When it is desired to change the position of the saw, so that instead of lying in the same plane with the handle it will lie in a position at right angles thereto, or vice versa, it is only necessary to remove the thumb-nut F, withdraw the bolt from the shank, replace the bolt through the shank in the proper position, and secure it by the thumb-nut F.

The two longitudinal grooves on the side faces of the shank E enable the handle to be used on either end of the saw, and also enable both handles to be on the same side thereof—that is to say, enable both shanks to be on the toothed side of the saw-blade, or both shanks to be on the rear side of the saw-blade, and not one to be on the toothed side and one on the rear side, as would be the case were only two adjustments of the clamping-bolt possible.

My improved handle is exceedingly simple in construction, of comparatively small initial cost, durable in use, and is adapted to be used at either end of the saw in any of the positions shown in the drawings or referred to in the specification.

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

The combination, with the saw-handle and  
5 socketed shank secured thereto, said shank  
being provided with longitudinal grooves in  
its sides and bottom, with an enlargement, C,  
having convex surfaces and provided with in-  
tersecting holes, of a clamping-bolt, a fasten-  
10 ing-nut, and a sleeve provided with a concave

bearing that fits the convex surfaces of said enlargement C, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

WM. CLEMSON.

Witnesses:

WM. MILLSPAUGH,  
C. I. HUMPHREY.