

W. HANKIN.

Improvement in Buck-Saw Frames.

No. 118,233.

Patented Aug. 22, 1871.

Fig. 1.

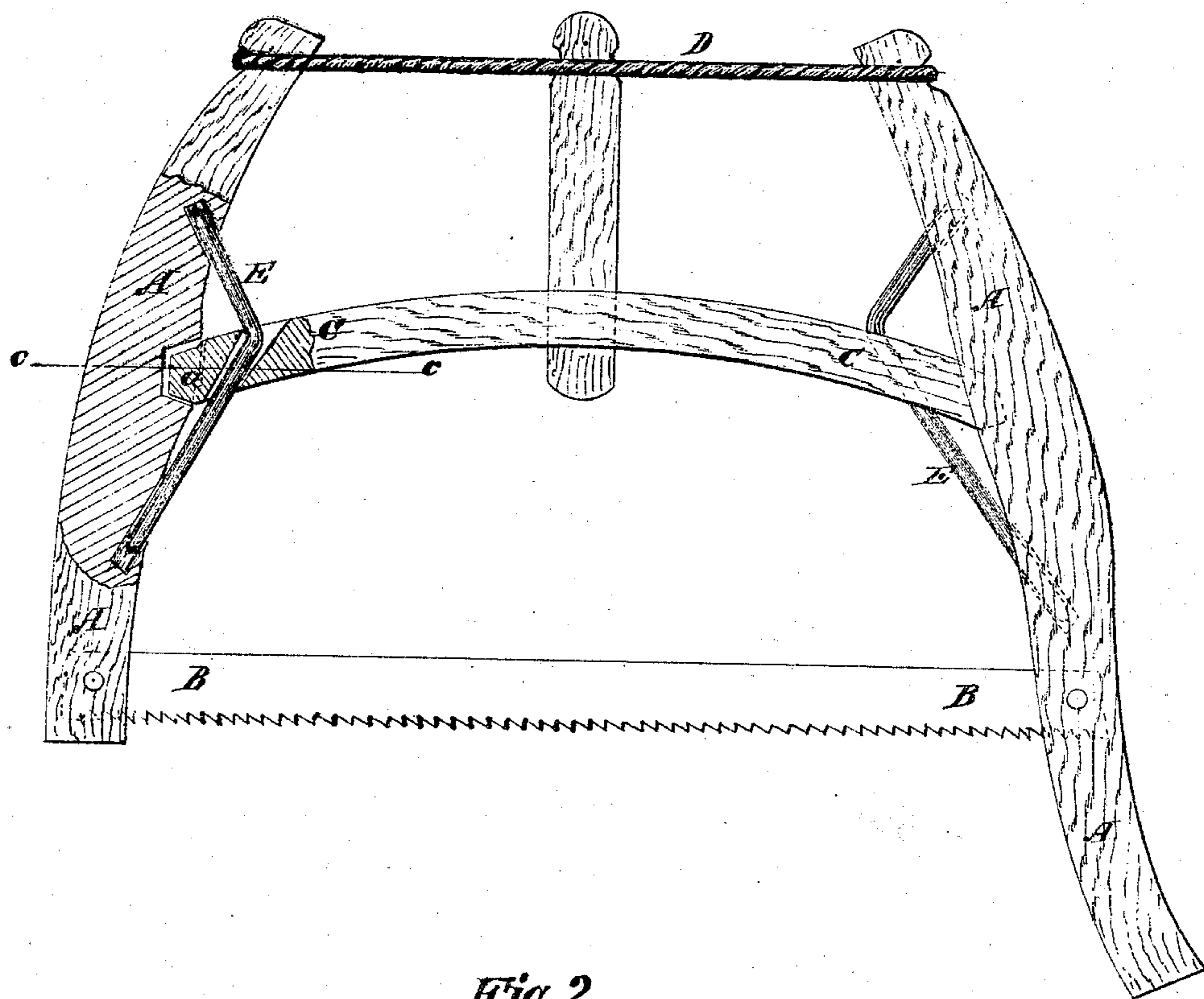


Fig. 2.



Witnesses:

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# UNITED STATES PATENT OFFICE.

WILLIAM HANKIN, OF HAWLEY, PENNSYLVANIA.

## IMPROVEMENT IN BUCK-SAW FRAMES.

Specification forming part of Letters Patent No. 118,233, dated August 22, 1871.

*To all whom it may concern:*

Be it known that I, WILLIAM HANKIN, of Hawley, in the county of Wayne and State of Pennsylvania, have invented a new and Improved Buck-Saw Frame; 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, in which—

Figure 1 represents a side view, partly in section, of my improved buck-saw frame. Fig. 2 is a detail transverse section of the same on the line *c c*, Fig. 1.

Similar letters of reference indicate corresponding parts.

This invention relates to a new means of bracing buck-saw frames by L-shaped staple-braces fitted through the ends of the cross-bar, and bearing against the side pieces of the frame.

A A in the drawing are the side pieces of a buck-saw frame. B is the saw; C, the cross-bar in the middle; and D, the upper straining-cord or screw. E E are two angular wires or metal rods, which are fitted through apertures at the end of the cross-bar, and bear with their ends against the inner sides of the side pieces above and below the cross-bar, as shown. The side pieces have sockets provided in them for the reception of the ends of the angle or staple-braces

E. Metallic washers may be placed into these sockets to protect the fiber of the wood. The cross-bar has tenons *a* at the ends which enter sockets in the side pieces in the ordinary manner.

When the tightener D on the top of the frame is shortened the side pieces are drawn against the upper ends of the staple-braces E, whereby their lower ends are forced out, moving freely through the cross-bar and stretching the saw.

The lower ends of the braces E can be carried nearer the saw than any other bracing device, and a better effect is, consequently, produced. The cross-bar C is at the same time braced above and below, and cannot rack at the shoulders. The entire saw-frame, in fact, becomes rigid, and, having the braces in the center, is balanced. The band on the upper part of the frame is unobstructed.

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

The buck-saw frame, provided with the angle-braces E E, which pass through the cross-bar C and bear against the side pieces A, substantially as herein shown and described.

WILLIAM HANKIN.

Witnesses:

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