

W. HANKIN. Sr.

Improvement in Saw-Frames.

No. 133,027.

Fig. 1.

Patented Nov. 12, 1872.

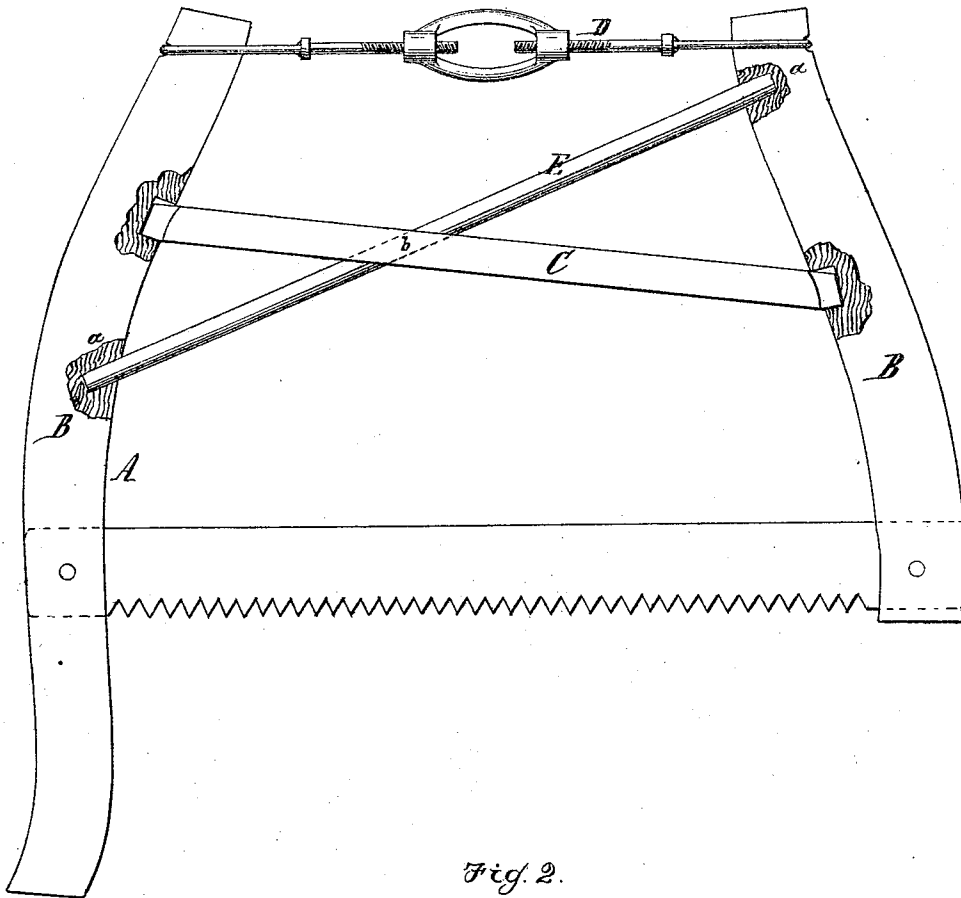
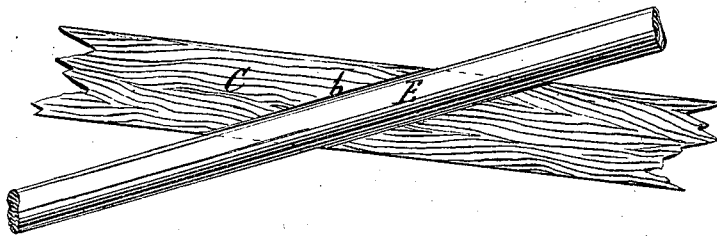


Fig. 2.



Witnesses
b. Wahler.
Ernst Reicher.

Inventor.
William Hankin Sr.
Per J. S. Wood & Hatch
attorneys

UNITED STATES PATENT OFFICE.

WILLIAM HANKIN, SR., OF HAWLEY, PENNSYLVANIA.

IMPROVEMENT IN SAW-FRAMES.

Specification forming part of Letters Patent No. 133,027, dated November 12, 1872.

To all whom it may concern:

Be it known that I, WILLIAM HANKIN, Sr., of Hawley, in the county of Wayne and State of Pennsylvania, have invented a new and useful Improvement in Saw-Frames; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which drawing—

Figure 1 represents a sectional front view of my saw-frame. Fig. 2 is a sectional view of my diagonal thrust-brace detached, in a larger scale than the previous figure.

Similar letters indicate corresponding parts.

This invention relates to an improvement on a buck-saw frame, which I have described in a patent granted to me October 24, 1871, No. 120,157; said improvement consisting in the arrangement of a round or cylindrical bar passing in a diagonal direction through the thrust-brace of a buck-saw frame, the ends of the round bar being received in sockets formed in the side pieces of the saw-frame in such a manner that said sockets, and also the channel in the thrust-brace for the reception of the diagonal bar, can be produced by an ordinary auger, and thereby the construction of the compound thrust-brace is materially simplified, and at the same time a firm, durable, and effective thrust-brace is obtained.

In the drawing, the letter A designates a buck-saw frame, which consists of the side pieces B B, the thrust-brace C, and the tightener D. With the ordinary thrust-brace C I have combined a diagonal brace, E, which consists of a cylindrical rod, the ends of which are received in cylindrical sockets *a a* bored

in the end pieces B B of the saw-frame, while the thrust-brace C is provided with a round oblique hole or channel, *b*, through which the rod E passes, as shown particularly in Fig. 2.

By using a rod of cylindrical cross-section for the diagonal brace I am enabled to produce the sockets *a a* and the channel *b* by means of a common auger, and it requires but little time to insert said diagonal brace in its proper position; whereas compound thrust-braces, such as described in my patent No. 120,157, are expensive, and it requires considerable time to attach them in the proper position between the side pieces of the frame.

I am aware that compound thrust-braces have heretofore been used besides that described in my above-named patent, such as those described in the patent of D. and E. Moore, No. 94,500, and reissue No. 4,276, and also in the patent of John G. Baker, No. 112,007; but all such braces are more expensive, and in some respects less durable and less effective than that which forms the subject-matter of my present application.

I do not claim broadly a compound thrust-brace in combination with a buck-saw frame; but

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

The arrangement of a cylindrical diagonal brace, E, passing through a cylindrical channel in the thrust-brace C, and dropping into cylindrical sockets in the side pieces of a buck-saw frame, all as herein shown and described.

WILLIAM HANKIN, SR.

Witnesses:

WM. H. HANKINS, Jr.,
B. H. SMITH.