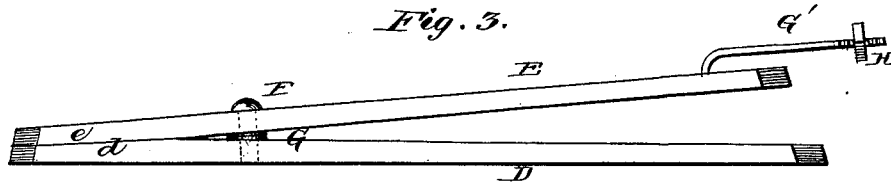
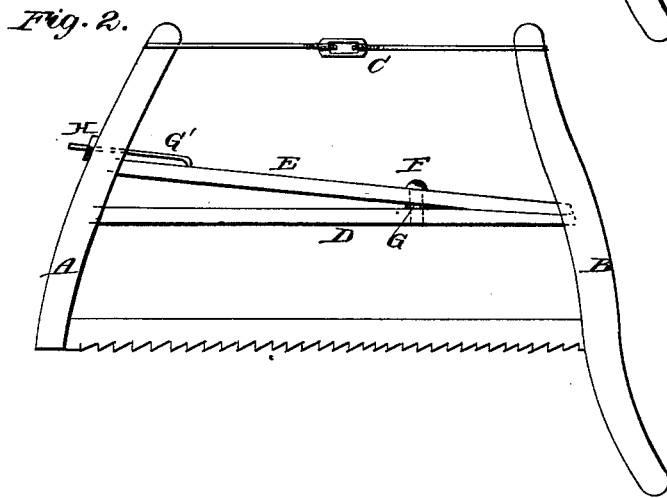
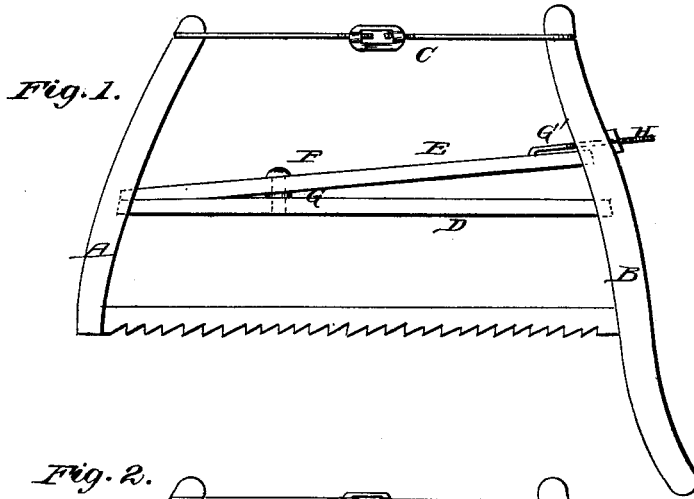


W. HANKIN, Sr.
Buck-Saw Frame.

No. 206,784.

Patented Aug. 6, 1878.



Witnesses
And. G. Duteich
George Binkenburg

Inventor
Wm. Hankin Sr.
 BY *J. W. Witter.*
 Atty.

UNITED STATES PATENT OFFICE.

WILLIAM HANKIN, SR., OF SEELYVILLE, PENNSYLVANIA.

IMPROVEMENT IN BUCK-SAW FRAMES.

Specification forming part of Letters Patent No. **206,784**, dated August 6, 1878; application filed July 13, 1878.

To all whom it may concern:

Be it known that I, WILLIAM HANKIN, Sr., of Seelyville, in the county of Wayne and State of Pennsylvania, have invented certain new and useful Improvements in Buck-Saw Frames; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon, to enable others skilled in the art to which my invention appertains to make and use the same, in which drawing—

Figure 1 is a side view of my improved buck-saw frame. Fig. 2 is a reversed view of the same. Fig. 3 is a similar detached view of my improvement.

The same part in the figures is denoted by the same letter.

This invention relates to certain improvements in buck-saw frames; and it consists principally in the employment of a brace, consisting of a horizontal and an inclined bar, both tapered at their meeting surfaces, and connected together by a bolt or its equivalent, having one or more rings or plates interposed between the said bars, and is an improvement upon Letters Patent granted to me, No. 164,449, dated June 15, 1875, and No. 193,704, dated July 31, 1877.

In the annexed drawing, A refers to the back piece of the saw-frame, and B to its front piece and handle, which are usually made in a continuous piece.

The usual tightening or tension looped rod or rods C connects the back and front pieces A B together.

D is the horizontal bar of the brace, and E its diagonal bar, which constitute in part my improvement. The ends of these bars are each provided with tenons to fit into sockets or mortises made in the front and back pieces A B.

The bars D E are connected together near their rear ends by a bolt or its equivalent, F, which passes through said bars, and is provided with one or more rings or plates, G, interposed between the bars D E, and serving, in connection with the tapering of the meet-

ing surfaces of the said bars, as at *d e*, to hold the upper bar, E, in an oblique or diagonal position, as seen in Fig. 2, and to enable the two bars to act as braces to the saw-frame and mutually strengthen and secure each other in the frame, they being susceptible of being slightly sprung apart and into the mortises in the front bar of the saw-frame, where they diverge.

This construction obviates the excessive strain and pressure required in springing the ends of the bars apart in adjusting them in position in the saw-frame, necessary where they are made in one piece, and, further, imparts a direct thrust upon the other parts of the frame, and avoids the tendency of the separated ends of the bars to spring out of their sockets or mortises in the front bar of the saw-frame or the too great pressure upon the back and front bars of the frame, their tendency being more to push the said bars apart than to serve, as in the present instance, to exert vertical pressure thereon, and at the same time thus act to connect them together to the best advantage.

The forward end of the upper or diagonal bar, E, is connected to the front bar of the saw-frame by a screw-threaded rod, G', firmly anchored or secured in the first-mentioned bar, and passed through the latter-named bar, and secured thereto by a nut, H, or other suitable means.

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

In a saw-frame, the combination of the horizontal bar D and diagonal bar E, tapered at their converging ends *d e*, with the bolt F, carrying the wedged-shaped washer G, interposed between said bars, substantially as and for the purpose set forth.

In testimony whereof I have hereunto signed my name in presence of two subscribing witnesses.

WILLIAM HANKIN, Sr.

Witnesses:

GUSTAVE SMITH,
THOMAS CARWITHIN.