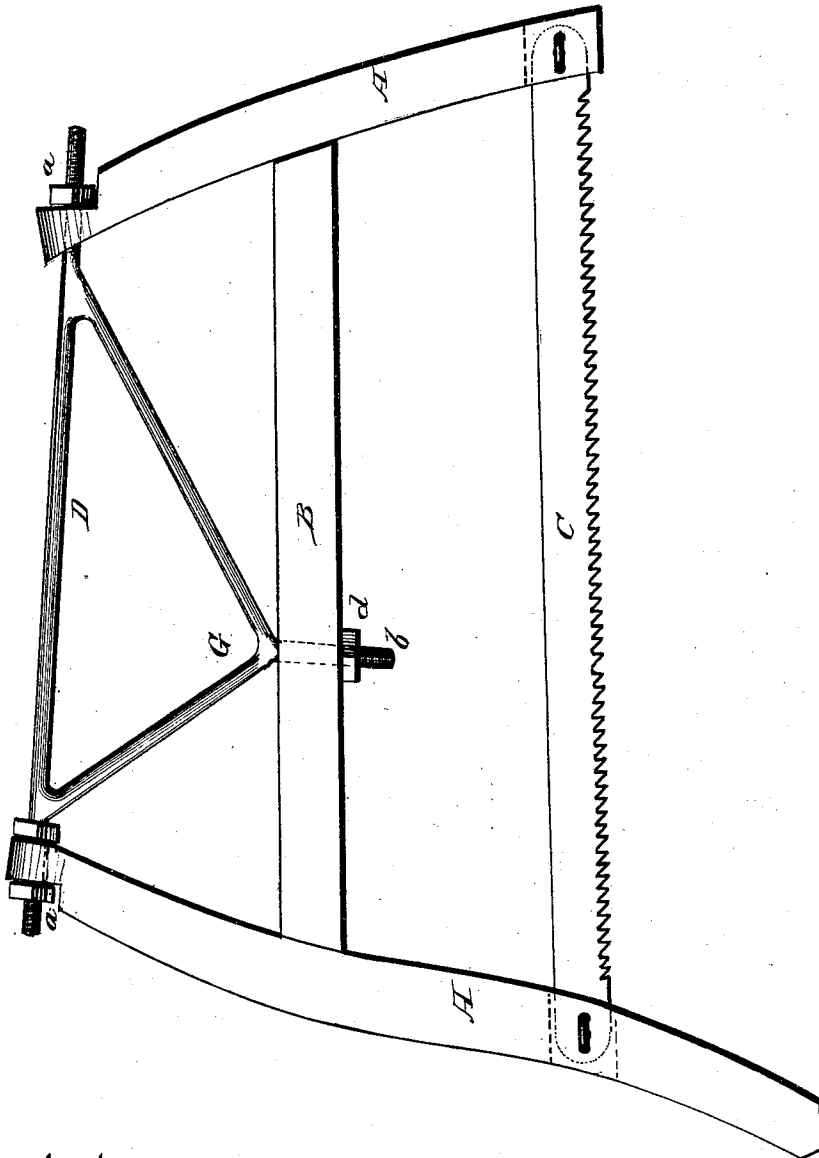


E. C. ATKINS.
SAW-FRAME.

Patented June 20. 1876.

No. 178,985.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ELIAS C. ATKINS, OF INDIANAPOLIS, INDIANA.

IMPROVEMENT IN SAW-FRAMES.

Specification forming part of Letters Patent No. **178,985**, dated June 20, 1876; application filed July 24, 1875.

To all whom it may concern:

Be it known that I, ELIAS C. ATKINS, of the city of Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Saw-Frames; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

My invention relates to the ordinary wood-saw frames, having a straight rod in the upper part for tightening the saw; and it consists in a right-angular brace permanently attached to said rod, and tightened at its angle by a bolt and nut to the cross-bar of the frame, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a side view of an ordinary wood-saw embodying my invention.

A A represent the side or end pieces of a wood-saw, connected by the cross-bar B. C is

the saw-blade, and D the rod, with nuts *a a*, for tightening the blade. To the rod D is permanently attached a right-angular brace, G, the ends of which connect with the rod at or near the end or side pieces A A, and at the angle this brace is provided with a bolt, *b*, that passes through the cross-bar B, and is fastened on the under side thereof by means of a nut, *d*. By means of this brace the saw-frame is firmly braced together and the saw tightened perfectly straight.

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

The combination of the triangular frame D G, provided with a screw-tenon at each point of the angle, with the end pieces A A, cross-bar B, and nuts *a a d*, all constructed to operate as shown and described, and for the purposes set forth.

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

ELIAS C. ATKINS.

Witnesses:

HENRY KNIPPENBERG,
W. L. GALLUPE.