

(No Model.)

H. C. HAWKINS.
SAW VISE.

No. 575,569.

Patented Jan. 19, 1897.

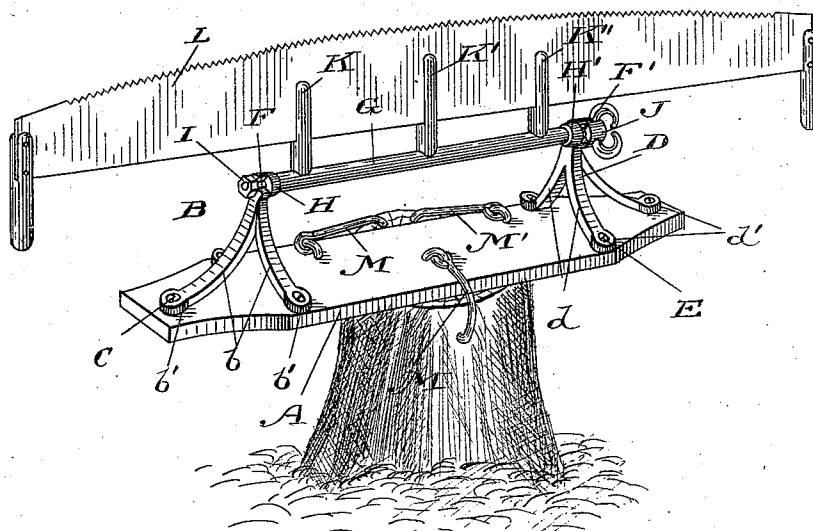


Fig. 1

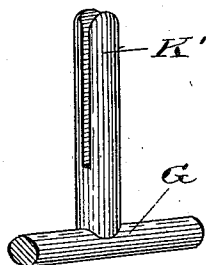


Fig. 2

Witnesses

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UNITED STATES PATENT OFFICE.

HARRY C. HAWKINS, OF BLIND RIVER, CANADA.

SAW-VISE.

SPECIFICATION forming part of Letters Patent No. 575,569, dated January 19, 1897.

Application filed July 21, 1896. Serial No. 600,044. (No model.)

To all whom it may concern:

Be it known that I, HARRY C. HAWKINS, of Blind River, in the district of Algoma and Province of Ontario, Canada, have invented certain new and useful Improvements in Saw-Vises; and I hereby declare that the following is a full, clear, and exact description of the same.

This invention relates to a saw-vise designed more especially for use in lumber-cutting districts, and the object of the invention is to so construct the vise that it can be readily transported and easily and securely set up and so that it will securely hold the saw in any set position; and the invention consists, essentially, of a base to the top of which are secured two oppositely-opposed standards, a shaft journaled in the standards, a jam-nut fitted on the shaft and arranged to bind against one of the standards to hold the shaft in any set position, and a series of forked or bifurcated arms carried by the said shaft and arranged to securely hold the saw, the whole device being hereinafter more fully set forth, and more particularly pointed out in the claim.

In the drawings, Figure 1 represents a view of the saw-vise secured to the top of a stump. Fig. 2 is a view of one of the bifurcated arms.

Like letters of reference refer to like parts throughout the specification and drawings.

The base A may be of any suitable length, width, and thickness. On the top of the base A, at one end thereof, is a standard B, having three legs *b*, each of which is provided with a foot *b'*. Passing through the foot *b'* and through the base A are screws or bolts C to securely fasten the standard to the base. On the top of the base A and at the opposite end is a similar standard D, having three legs *d*, each of which is fitted with a foot *d'*. Passing through each foot *d'* is a screw or bolt E, by means of which the standard D is secured to the base A. The standards B D are oppositely opposed, and formed through the upper end of each of the standards is a hole F F', respectively. The holes F F' form the bearings for a shaft G. The shaft G projects beyond the standards B D. Fitted on the shaft G on the inner side of the standard B is a

nut or washer H, which bears against the said inner side of the standard, and fitted on the shaft G on the inner side of the standard D is a similar nut or washer H'. The nuts or washers H H' prevent the displacement of the shaft from the bearings. Fitted on the shaft G on the outer side of the standard B is a nut I, and fitted on the shaft G on the outer side of the standard D is a jam-nut J. By tightening the jam-nut J on the shaft G, so that it bears with considerable pressure against the outer side of the standard D, the shaft can be locked in any adjusted position. Connected to the shaft G are three parallel arms K K' K'', arranged equidistant from each other. Each of the arms K K' K'' is bifurcated to receive the saw-blade L and rigidly hold it. It might here be stated that the arms K K' are of the same length, while the arm K' is slightly longer than the said arms K K''. The object of this construction is to enable the arms to embrace a crosscut-saw and hold it firmly while being set or filed.

Connected to the base A are three hooks M M' M'', two of the hooks being arranged on one side of the base and one on the other. By driving these hooks into a stump the saw-vise can be quickly and easily set up ready for use.

This saw-vise can be readily transported and quickly set up and will securely hold the saw while operated on.

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

A saw-vise consisting of two oppositely-opposed standards, a shaft journaled in the said standards, a series of bifurcated arms carried by the shaft adapted to hold the saw-blade, and a jam-nut to lock the shaft in any adjusted position, a base to which the standards are connected, and a series of hooks connected to the base adapted to be driven into a stable object to temporarily hold the saw-vise, substantially as specified.

Blind River, June 27, A. D. 1896.

HARRY C. HAWKINS.

In presence of—

STONEWALL J. HAWKINS,
CHAS. H. EGAN.