H. PAUSE.

HANDLE FOR HANDSAWS.

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1,119,787. Patented Dec. 1, 1914.

Fig. 1

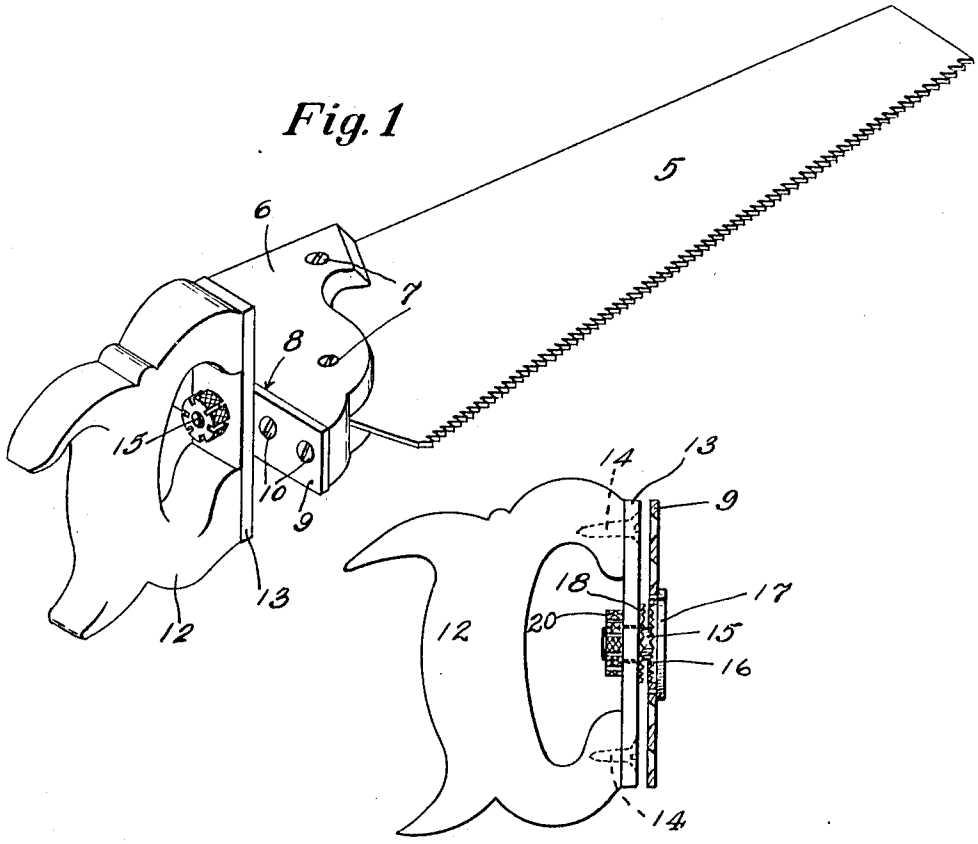


Fig. 2

WITNESSES:

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HANDLE FOR HANDSAWS.

1,119,787. Specification of Letters Patent. Patented Dec. 1, 1914.

Application filed October 13, 1913. Serial No. 794,760.

To all whom it may concern:

Be it known that I, HERMAN PAUSE, citizen of the United States, residing at Ramona, in the county of San Diego and State of California, have invented a certain new and useful Improvement in Handles for Handsaws, of which the following is a specification.

My invention relates to improvements in handles for saws and the object of my improvement is to provide a handle for an ordinary hand-saw that may be adjustably secured to the blade of the saw in such manner that it may be turned to lie in a plane that is disposed at any desired angle to the plane of the saw-blade. I accomplish this object by devices illustrated in the accompanying drawings in which—

Figure 1 is a view in perspective of a hand-saw embodying my invention; and Fig. 2 is a view partly in side elevation and partly in vertical cross-section of the same.

Like reference numerals indicate like parts throughout the drawings.

Briefly my improvement consists in providing a hand-saw blade with a blade-holder to which blade-holder is adjustably attached a handle that is adapted to be grasped by one's hand, such handle being adapted by suitable means to be disposed with its plane at any desired angle with respect to the plane of the saw-blade and there securely fastened.

Referring to the accompanying drawing, 5 is an ordinary saw-blade which has a blade-holder 6 secured to its wider end in the usual manner, by screws 7. The blade-holder is formed with a flat end 8 that lies in a plane at right angles to the plane of the saw-blade and a flat strip 9 of any suitable material, as of metal, is secured to the end 8 of the blade-holder by screws 10, the strip 9 being provided with a hole through its central portion.

A handle 12 is secured by screws 14 to a flat strip 13, of metal, that is similar in shape to the strip 9 thus adapting said handle 12 to be secured to the blade-holder 6 by a screw-stud 15 and a nut 20, said stud 15 being integral with an end flange 17 that is set in and secured to the blade-holder 6.

A serrated boss 18 is secured to the face of the strip 13 to project within a circular recess disposed within the central portion of the strip 9 where it may engage with correspondingly shaped teeth 16 that are provided on the flange 17 whereby the handle 12 may be maintained in a desired angular position with respect to the plane of the saw-blade 5 by screwing the nut 20 forcibly against the back surface of the strip 13, as indicated by Figs. 1 and 2.

As the plate 9, and metal strip 13 are of the same length, their contacting flat surfaces fit closely together at any adjustment, and the interlocking teeth of the flange 17 and serrated boss 18 provide an annular interlocking between the plate and strip extending around the screw stud.

The operation of my device is very simple; when the saw is to be used for making straight cuts in easily accessible positions the handle may be set and secured in a plane with the saw-blade like the fixed handle of an ordinary hand-saw; but when an angular cut is to be made in a position that is not easily accessible then the thumb-screw 20 may be unscrewed sufficiently to permit the teeth 18 of the bar 13 to ride over the teeth 16 of the flange 17 thus permitting the handle 12 of the saw to be turned about the screw-stud 15 to any desired angle with respect to the plane of the blade 5 whereupon the thumbnut 20 may again be tightened to secure the handle in the desired angular position.

What I claim is:

The combination with a saw blade, of a blade-holder having a flat rear face, a plate secured to said flat face and formed with a central opening, a screw stud extending through said opening and provided at its inner end with an integral serrated flange set into and secured to said plate, a handle provided with a flat metal strip corresponding to the plate of the blade-holder, and adapted to closely fit against said plate at any adjustment, a serrated boss integral

with the inner face of said strip concentric with said stud, and a nut on the outer end of said stud, said boss being in engagement with the serrations of said flange to provide an annular interlocked connection between said plate and strip extending around said stud.

In witness whereof, I hereunto subscribe my name this 24th day of September A. D., 1913.

HERMAN PAUSE.

Witnesses:
H. F. JOHNSON,
L. WRIGHT.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."