F. A. WUEST.
COMBINED CROSSCUT AND RIP SAW.
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Fig. 1.

Fig. 2.

Witnesses
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Attorney
To all whom it may concern:

Be it known that I, FREDERICK A. WUEST, a citizen of the United States, residing at Lawrenceburg, in the county of Dearborn and State of Indiana, have invented certain new and useful Improvements in a Combined Crosscut and Rip Saw; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same.

This invention relates to combined crosscut and rip saws; and one of the principal objects of the same is to provide a combined crosscut and rip saw with means for quickly and rigidly securing a handle in adjusted position upon a blade having teeth upon opposite edges thereof in order that either edge of the saw-blade may be used at will.

Another object is to provide a combined saw of the character referred to in which the handle therefor may be swung upon its pivot to one side or the other of the blade and to be firmly held in adjusted position thereon by means of simple devices which can be quickly and firmly secured to the blade.

The same and other objects are attained by the construction illustrated in the accompanying drawings, in which:

Figure 1 is a plan view of a saw made in accordance with my invention, and Fig. 2 is a longitudinal section through the handle end of the saw and through the handle.

Referring to the drawings for a more particular description of my invention, the numeral 1 designates the saw-blade, provided with teeth 2 upon one edge, said teeth being of the crosscut type, said blade having upon its opposite edge teeth 3 for rip-saw purposes. A hole of aperture at one of the ends of the blade is used for suspending the saw from a nail or hook. The handle 5 of the saw is provided with a slot 6 at its inner end, said slot providing the two members 7 and 8 between which the blade 1 is adapted to be secured. The handle 5 is pivoted upon the blade 1 by means of the screw or pin 9, which passes through one member of the handle, through the blade, and into the opposite member of said handle. The saw-blade is provided with a curved slot 10 near its outer end, and passing through said curved slot and through the members 7 and 8 of the handle is a threaded bolt 11, provided with a head 12, which bears against the side of the blade 1 of the saw. Upon the end of the bolt 11 is a wing-nut 13, adapted to bear upon the side of the member 7 of the saw-handle and clamp the blade in adjusted position, as will be readily understood. Within the opening 15, in which the head 12 is seated, a wooden plug 14 is seated, said plug adapted to bear against the head 12 of the threaded bolt, the outer end of said plug being beveled, as at 15. Seated upon the beveled end of said plug is 65 the brass or other head 16, which is countersunk within the handle of the saw.

The operation of my invention may be described as follows: When it is desired to adjust the handle relatively to the saw-blade, the wing-nut is loosened and the handle is swung from one side to the other, depending upon which set of the saw-teeth it is desired to be used. Said wing-nut is then tightened upon the bolt to hold the handle in adjusted position.

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

The herein-described combined crosscut and rip saw comprising a blade, having crosscut teeth upon one edge thereof, rip-saw teeth upon the opposite edge thereof, one end of said blade being curved, a curved slot 10 near said end, a handle connected at its outer end to the blade by a single pivot, 9, and provided with a slot 6 in which the blade is secured, a transverse bolt passing through the handle, and through the slot 10 in the blade and provided with a head 14 which bears at one side against said blade and is seated in a socket in one side of the handle, a wing-nut adjustable on the threaded end of the bolt, and a plug 14 for covering the head of the bolt in the socket, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

FREDERICK A. WUEST

Witnesses:

JOHN LIMANTEL,

EVERETT E. SLATER.