

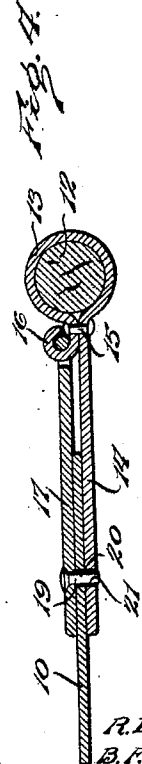
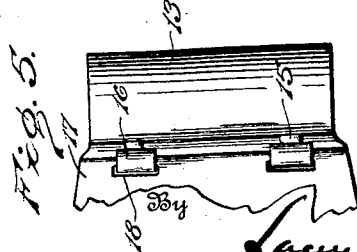
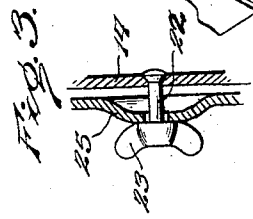
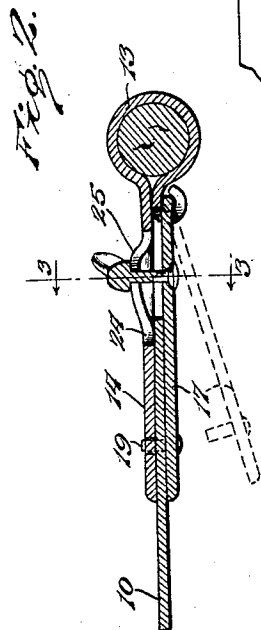
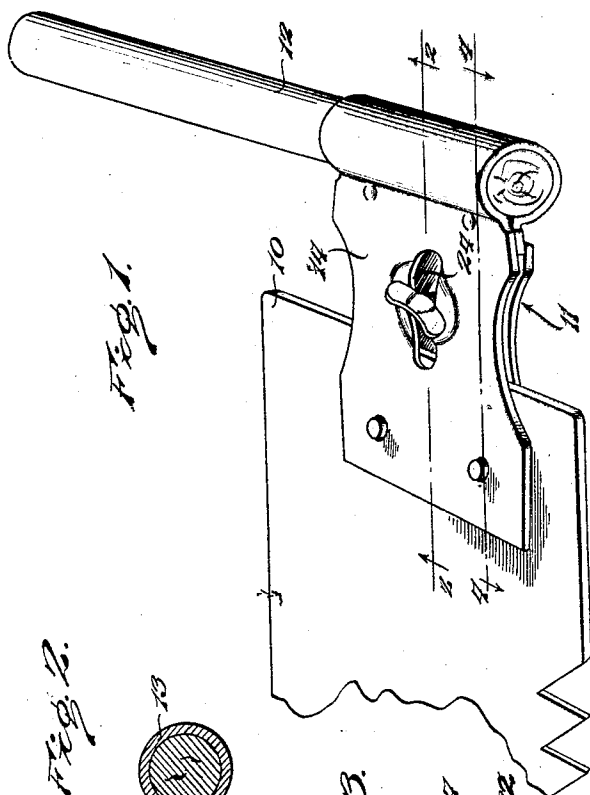
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R. L. DESKINS ET AL

DETACHABLE HANDLE FOR SAW BLADES

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DETACHABLE HANDLE FOR SAW BLADES.

Application filed May 23, 1924. Serial No. 715,389.

To all whom it may concern:

Be it known that we, ROBERT L. DESKINS and BENJAMIN F. DESKINS, citizens of the United States, residing at Waverly and Logan, respectively, in the counties of Pike and Logan, respectively, and States of Ohio and West Virginia, respectively, have invented certain new and useful Improvements in Detachable Handles for Saw Blades, of which the following is a specification.

Our invention relates to a handle for saw blades, being particularly designed for cross cut saws, and the main object of the invention is to provide a handle which may easily be detached and used on different blades or shifted from one side to the other of a blade.

The handle consists of a hand grip member and a clamping member, the latter member being provided with a socket in which the hand grip member fits tightly. The clamping member has two arms, one rigid and one hinged, which are adapted to hold the saw blade between them, and these arms have a securing bolt adapted to draw the two arms tightly together against the blade.

In the accompanying drawing one embodiment of the invention is illustrated, and—

Figure 1 is a perspective view of the detachable handle in position on a saw blade,

Figure 2 is a section on line 2—2 of Figure 1,

Figure 3 is a section on line 3—3 of Figure 2,

Figure 4 is a section on line 4—4 of Figure 1, and

Figure 5 is a fragmentary side elevation showing the hand grip socket and the hinged arm.

In the drawings, the reference numeral 10 represents a saw blade, the numeral 11 represents the clamping member, and 12 the hand grip member or handle. One end of the clamping member has a socket 13 in which the hand grip member 12 is adapted to fit tightly. The latter is an ordinary wooden bar or grip which is driven in the socket and remains permanently therein until broken or rendered otherwise unfit for use, when it may be easily replaced by another suitable piece of wood.

The clamping member has a flat rigid arm 14 adapted to engage one side of the

saw blade 10 and is preferably formed integral with the socket 13 and made of sheet metal. The sheet metal plate is bent down along one side of the arm 14 and riveted as at 15, and a pair of hooks 16 is formed at the end of the plate to which the hinged arm 17 is pivoted, as clearly shown in Figures 2, 4 and 5 of the drawings, the upper edge of the hinged arm 17 being provided with narrow slots 18 for the purpose.

The free end of the hinged arm 17 is provided with a pair of inwardly directed studs 19 which are adapted to engage in corresponding apertures 20 in the saw blade 10. These studs are sufficiently long to project through the blade and engage in corresponding openings 21 formed in the rigid arm 14 of the clamping member, as best shown in Figure 4.

In the hinged arm 17 is swiveled a latch bolt 22 having a head similar to the head of a wing nut. The rigid arm 14 has a longitudinal slot 24 permitting the head 23 to pass therethrough and the side edges of the slot 24 are raised, as at 25, and adapted to engage the under side of the head 23 when the latch bolt 22 is turned and, in this manner, tightly press the arms together around the saw blade 10.

It is evident that this handle permits very quick exchange of blades or turning of the handle from one edge to the other of a saw blade, so that the same handle may be used on a great number of blades with teeth of different coarseness. Another advantage of this handle is that it may be reversed on the blade so that the hand grip extends downwardly instead of upwardly, as is found most convenient in operating the saw.

Having thus described the invention, what we claim is:

1. A saw handle comprising a stationary plate having one edge portion thereof bent into substantially cylindrical shape to form a handle-receiving socket and having lugs curled up from the outer edge of said portion, a clamping plate having slots formed therein to receive said lugs and thereby permit the clamping plate to assume an operative position with respect to the stationary plate, and means extending through both plates for clamping said plates in engagement with a saw blade.

2. A saw handle comprising a stationary

plate having one edge portion thereof bent into substantially cylindrical shape to form a handle-receiving socket and having lugs curled up from the outer edge of said portion, a clamping plate having slots formed therein to receive said lugs and thereby permit the clamping plate to assume an operative position with respect to the stationary plate, there being a longitudinal slot formed in the stationary plate, the walls of which are upstruck to provide oppositely disposed

arched portions, a latch bolt carried by the clamping plate, and a nut engaging the threads on the latch bolt and bearing against the arched portions of the slot for clamping said plates in engagement with a saw blade.

In testimony whereof we affix our signatures.

ROBERT L. DESKINS. [L. S.]
BENJAMIN F. DESKINS. [L. S.]