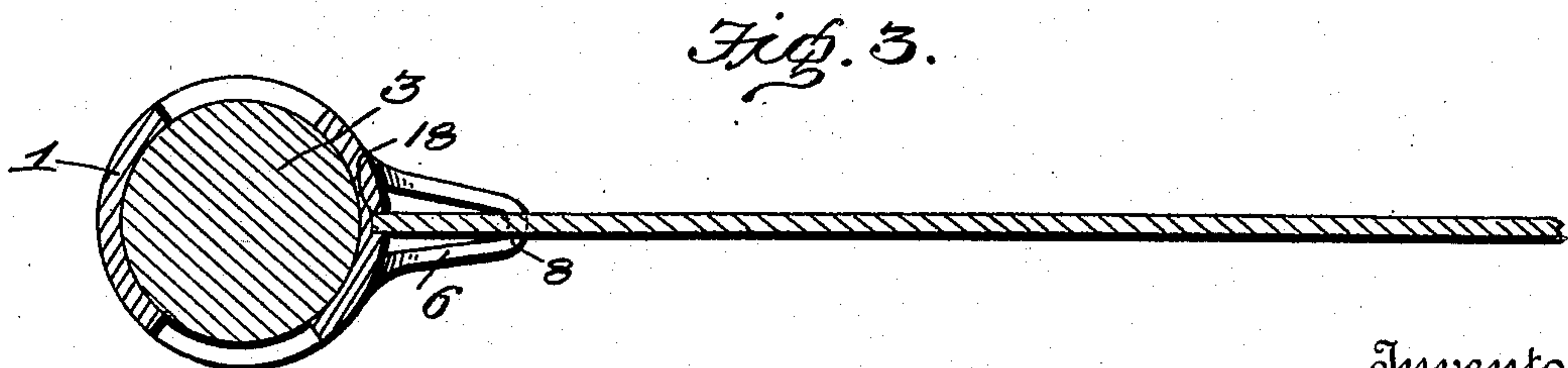
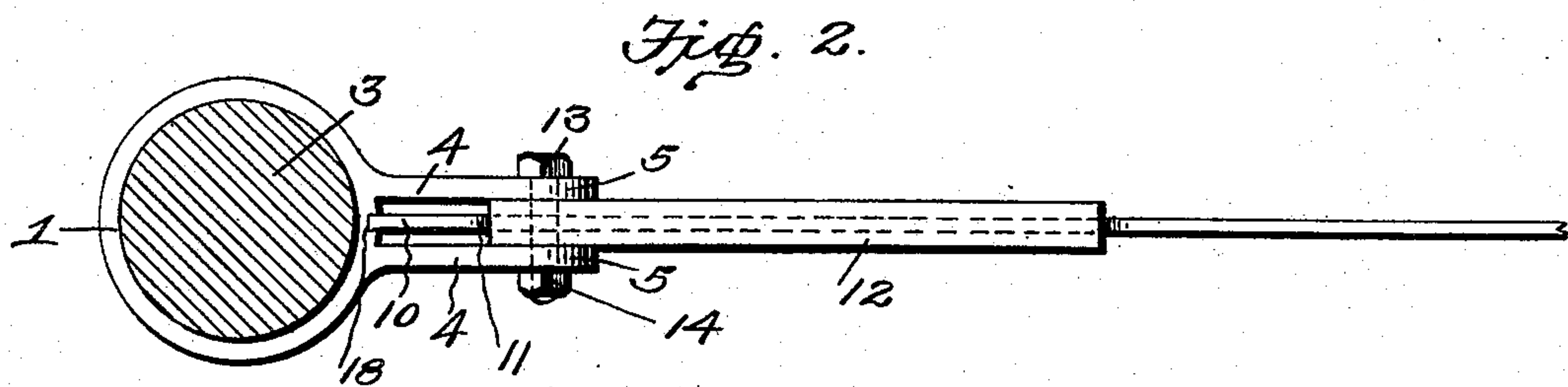
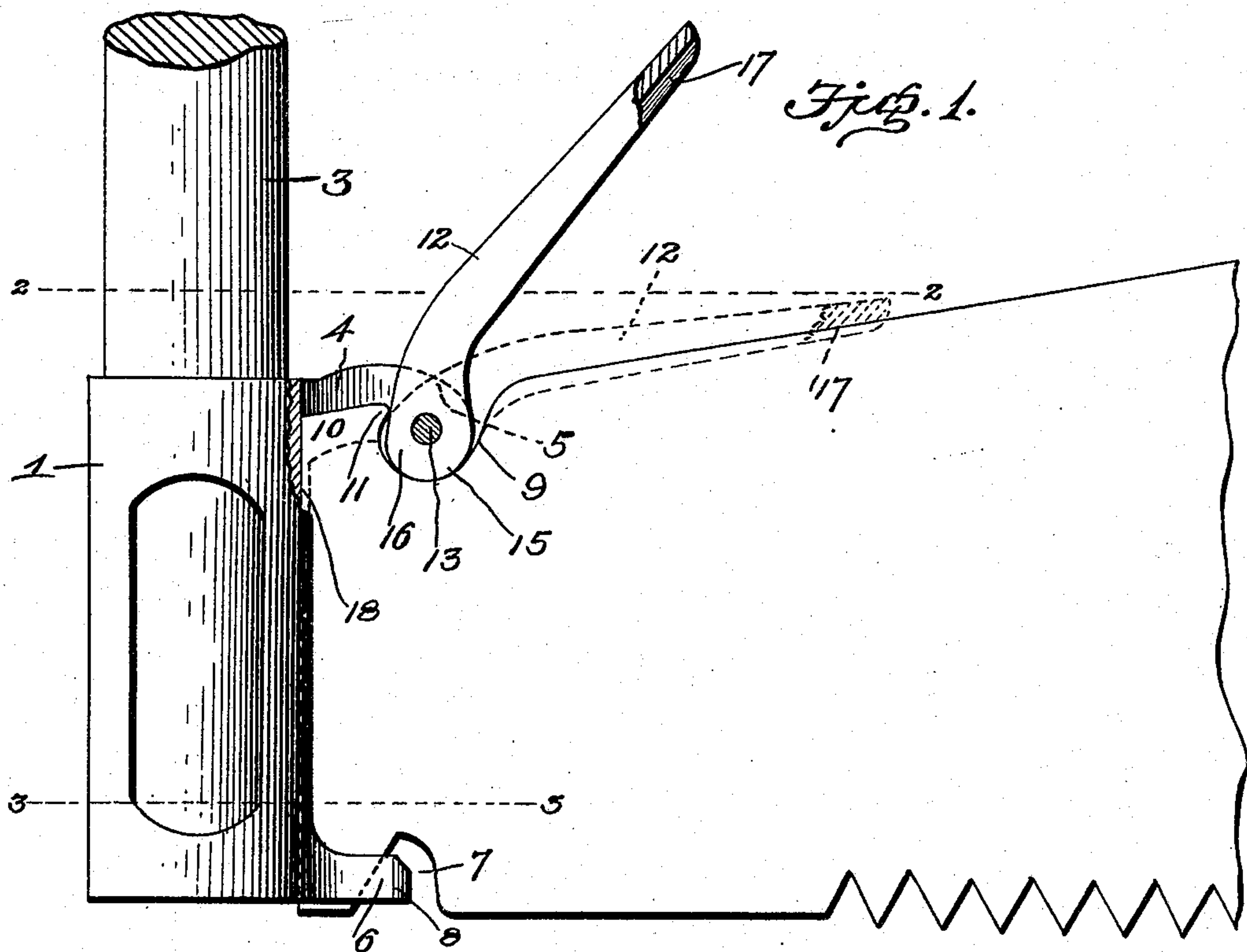


J. KOLLEHNER.
HANDLE FOR CROSSCUT SAWS.
APPLICATION FILED JUNE 2, 1909.

936,913.

Patented Oct. 12, 1909.



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UNITED STATES PATENT OFFICE.

JOSEPH KOLLEHNER, OF JONESBORO, ILLINOIS.

HANDLE FOR CROSSCUT-SAWS.

936,913.

Specification of Letters Patent.

Patented Oct. 12, 1909.

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To all whom it may concern:

Be it known that I, JOSEPH KOLLEHNER, a citizen of the United States, residing at Jonesboro, in the county of Union and State of Illinois, have invented certain new and useful Improvements in Handles for Cross-cut-Saws; 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 appertains to make and use the same.

This invention relates to a handle for saws and is especially designed as a handle for cross cut saws.

The object of the invention is to provide a handle which may be very readily connected with the end of the saw and which will provide a grip for the inner hand of the operator when the saw is used for cutting down trees or in any other connection where it is desirable to use both hands.

With this and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be more fully described and particularly pointed out in the appended claims.

In the accompanying drawings: Figure 1 is a fragmentary elevation of one end of a saw and handle embodying my improvements, with parts broken away and the locking arm raised. Fig. 2 is a horizontal section on line 2—2 of Fig. 1; and, Fig. 3, is a similar view on line 3—3 of said figure.

In the embodiment illustrated, the numeral 1, indicates the body of the handle which is in the nature of a casting of cylindrical form and which receives the stick or handle 3, which is preferably of wood.

In carrying out the invention, the upper end of the casting is provided with a pair of inwardly extending laterally spaced lugs 4, having the circular downwardly curved heads 5, while the lower or opposite end of the casting is provided with an integral substantially V-shaped loop 6. Each end of the saw blade is provided at its lower edge with the recess 7, which receives the central portion 8, of the loop 6, when the blade is connected with the handle. The upper edge of the saw blade is provided with an approximately semi-circular recess 9, leaving the projection 10, having the inwardly projecting cam portion 11. A locking arm or lever 12, is pivoted at its inner end upon a pivot in the form of a bolt 13,

extending through the heads 5, of the lugs 4, said bolt being held in a removable position by a nut 14. The inner or pivoted end of the locking arm is provided with the cam 15, the edge of which lies in a plane approximately concentric with the longitudinal axis of the bolt and is adapted to work against the cam portion of the projection 10, when the locking arm is swung down against the upper edge of the saw blade.

By forming the pivoted end with the locking arm with the cam 15, it is permitted to swing inwardly against the upper edge of the saw blade as will be evident. The inner edge of the locking arm is also provided with a longitudinal groove 17, to receive the upper edge of the saw blade after the locking arm has been swung into operative position or against the upper edge of the saw blade. The nut 14, is then screwed upon the bolt to cause the lugs 4, to securely clamp the inner or pivoted end of said arm. The casting which forms the body of the saw handle is preferably provided with the longitudinal groove 18, to receive the end of the saw blade.

By unscrewing the nut 14, and removing the bolt 13, the locking arm 12 may be removed from position to provide for the removal of the saw blade from the handle, which is accomplished by sliding it bodily above the casting 1.

From the foregoing description, taken in connection with the accompanying drawing, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

Having thus described my invention, what I claim is:

1. In combination with a saw blade having its upper edge recessed at one end leaving a projection provided with an inwardly extending cam portion, a casting forming the body of the handle, a stick extending into said casting, a pair of laterally spaced lugs provided with downwardly curved approximately circular heads at the upper end of the casting, a pivot bolt extending through the heads of said lugs, a locking arm pivoted upon said bolt and provided at its pivoted end with a cam which works

against the recessed portion of the upper edge of the saw blade and is adapted to engage the cam portion of the latter when swung down against the saw blade.

5 2. In combination with a saw blade having its upper and lower edges notched or recessed at one end, a cylindrical casting forming the body of the handle and provided with a longitudinal recess to receive one end
10 of the saw blade, a loop formed at the lower end of the casting, to receive the recessed portion of the lower edge of the saw blade, and a locking arm pivoted to the opposite
15 end of the casting and provided at its pivoted end with a cam which fits in the recessed portion of the upper edge of the blade.

3. In combination with a saw blade having its upper edge recessed at one end, leaving a projection provided with an inwardly

projecting cam portion, a casting forming the body of the saw handle, a stick extending into said casting, a pair of laterally spaced lugs at the upper end of the casting having headed outer portions which lie on
25 opposite sides of the recessed portion of the upper edge of the blade, and a locking arm pivoted between said lugs and provided at its inner end with a cam which works against the recessed portion of the upper edge of the
30 saw blade and is adapted to engage the cam portion thereof when swung down against the saw blade.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses. 35

JOSEPH KOLLEHNER.

Witnesses:

HENRY C. SIFFORD,
THOMAS C. URY.