

No. 719,069.

PATENTED JAN. 27, 1903.

J. A. WILLIAMS.  
SAW HANDLE.

APPLICATION FILED SEPT. 29, 1902.

NO MODEL.

FIG. 1

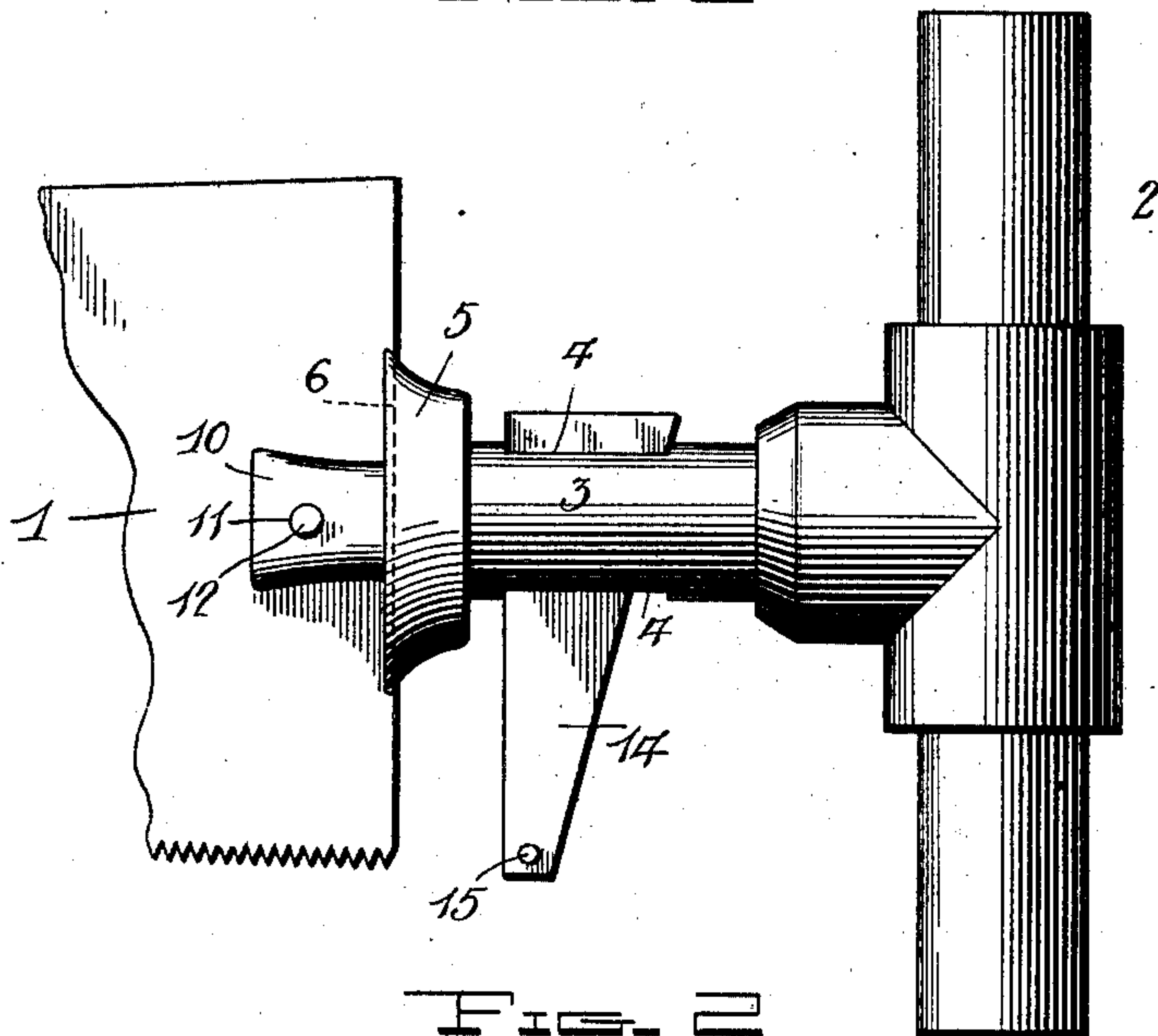


FIG. 2

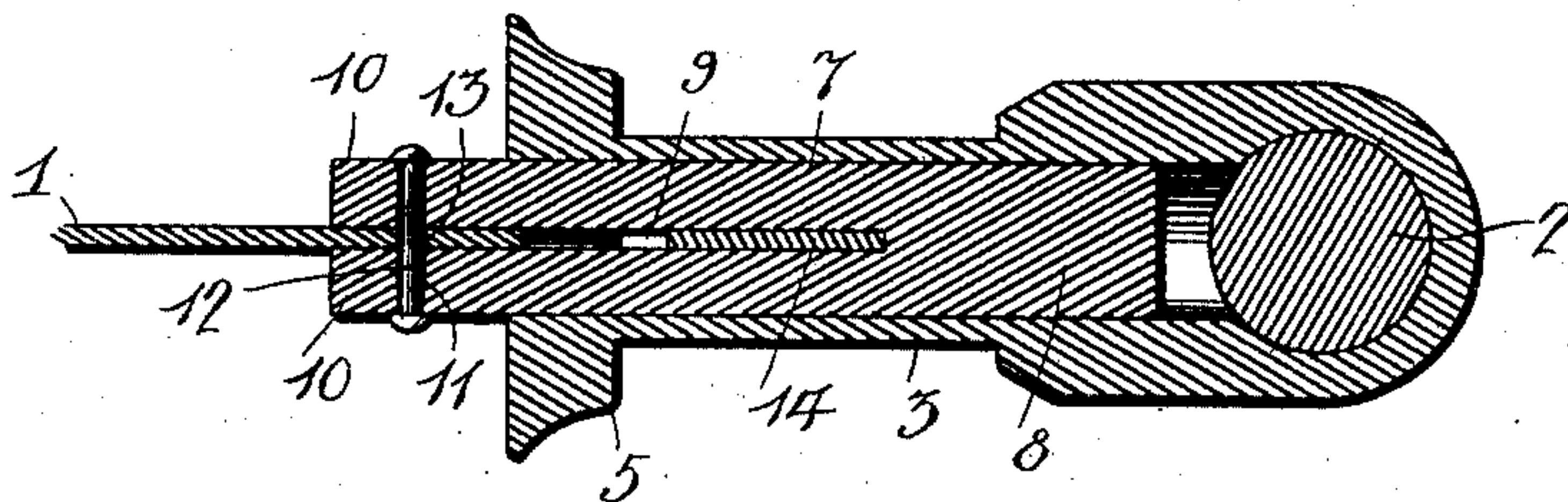
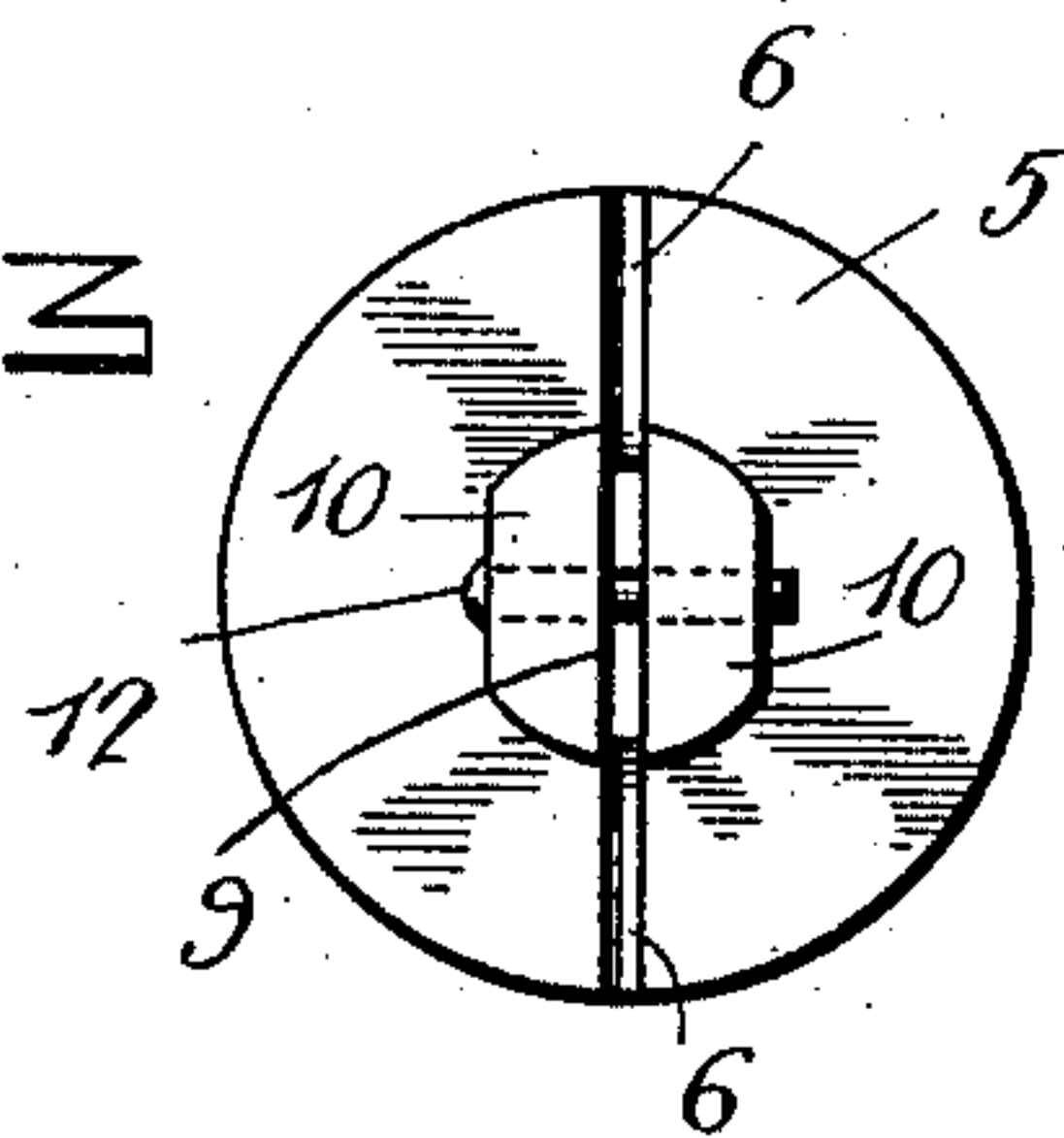


FIG. 3



Inventor

John A. Williams

Witnesses

*J. H. Jenkins*  
*Edmundson*

By

*A. B. Wilson & Co.*  
Attorneys



# UNITED STATES PATENT OFFICE.

JOHN A. WILLIAMS, OF DALLAS, OREGON.

## SAW-HANDLE.

SPECIFICATION forming part of Letters Patent No. 719,069, dated January 27, 1903.

Application filed September 29, 1902. Serial No. 125,272. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN A. WILLIAMS, a citizen of the United States, residing at Dallas, in the county of Polk and State of Oregon, have invented certain new and useful Improvements in Saw-Handles; 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 handles for hand-saws.

The object of the invention is to provide a saw-handle which is simple, durable, and efficient and adapted to hold the saw securely fastened thereto.

With this and other objects in view the invention consists in certain features of construction and combination of parts, which will be hereinafter fully set forth.

In the drawings, Figure 1 is a side elevation of a fragment of a saw-blade, showing the application of the handle. Fig. 2 is a horizontal section through the saw and handle. Fig. 3 is an end view of the handle.

Referring now more particularly to the drawings, 1 denotes a saw-blade, and 2 the handle. The handle is provided with a tubular socket 3, slotted longitudinally at top and bottom, as shown at 4, and having at its outer end a fixed annular head 5, formed in its outer face with grooves 6 to receive the end edge of the saw. A shank 7 is slidably fitted in the socket 3 and has a solid inner end or head 8 and a slot 9, bifurcating it continuously to and through its outer end to form jaws 10. The outer or free ends of these jaws project beyond the head 5 and are provided with transverse openings 11 to receive a bolt or rivet 12, adapted to be passed through an opening 13 in the handle end of the saw-blade. A flat wedge-shaped key 14 fits in the slots 4 in the socket and slot in the shank 7 and is provided at its reduced end with a stop-pin 15 to prevent it from being entirely withdrawn or accidentally falling out of said slots.

In applying the handle to the saw the outer ends of the jaws 10 are brought to straddle the saw, the openings 11 and 13 brought in coincidence, and the rivet 12 passed there-through and headed. The key 14 is then forced down in the slots 4 and 9, whereby the shank 7 is forced rearwardly, causing the edge of the saw to be drawn into the grooves 6 and firmly clamped by the head 5. Upon retract-

ing the key and relieving the pressure on the rivet the latter when unheaded may be withdrawn, allowing the handle to be detached.

By making the fastening 12 in form of a pin or bolt the handle will be made readily removable and interchangeable for use with successive blades, and thus may be employed indefinitely.

From the foregoing description, taken in connection with the accompanying drawings, 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 as new, and desire to secure by Letters Patent, is—

1. A saw-handle having a projecting tube or socket provided at diametrically opposite sides with longitudinal slots and having at its outer end a head, a bifurcated shank slidable in the socket and having its outer end forming jaws adapted to straddle the saw-blade, means for securing the jaws to the blade, and a wedge-key slidable in the slots of the socket and bifurcation of the shank to force the shank inward, whereby the end edge of the saw-blade may be drawn into engagement with the head and clamped, substantially as described.

2. A saw-handle having a projecting tube or socket provided at diametrically opposite sides with longitudinal slots, and having at its outer end a head, a bifurcated shank slidable in the socket and having its outer end forming jaws adapted to straddle the saw-blade, means for securing the jaws to the blade, a wedge-key slidable in the slots of the socket and bifurcation of the shank to force the shank inward, whereby the end edge of the saw-blade may be drawn into engagement with the head and clamped, and a stop on the reduced end of the key to limit its outward movement, substantially as described.

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

JOHN A. WILLIAMS.

Witnesses:

HORT C. EAKIN,  
J. T. FORD.