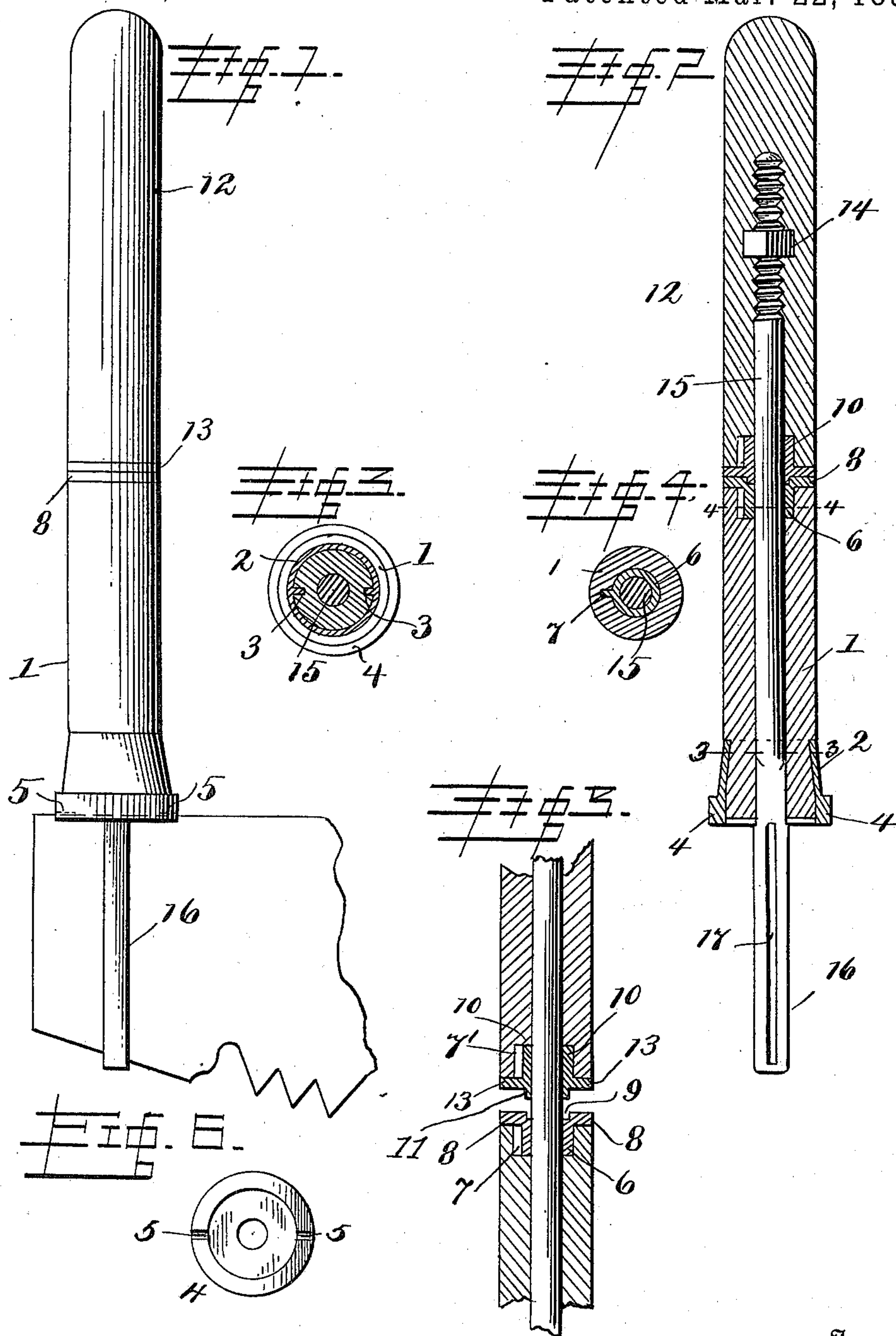


(No Model.)

F. CHIMGAR.  
SAW HANDLE.

No. 600,906.

Patented Mar. 22, 1898.



Witnesses  
W E Bowen  
J. A. Wilson

Inventor  
Frank Chingar  
by A. Blivison  
Attorney



# UNITED STATES PATENT OFFICE.

FRANK CHIMGAR, OF ELY, MINNESOTA.

## SAW-HANDLE.

SPECIFICATION forming part of Letters Patent No. 600,906, dated March 22, 1898.

Application filed June 26, 1897. Serial No. 642,438. (No model.)

*To all whom it may concern:*

Be it known that I, FRANK CHIMGAR, a citizen of the United States, residing at Ely, in the county of St. Louis and State of Minnesota, 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.

My invention relates to a novel form of adjustable handles for crosscut-saws; and the object is to provide a simple, inexpensive, and effective device of this kind whereby the handle may be tightened while the saw is in use.

To this end the invention consists in the construction, combination, and arrangement of the several parts of the same, as will be hereinafter more fully described, and particularly pointed out in the claim.

In the accompanying drawings the same reference characters indicate the same parts of the invention.

Figure 1 is a side elevation of my improved saw-handle as it appears attached to an ordinary crosscut-saw. Fig. 2 is a vertical section of the same. Fig. 3 is a horizontal section on the line 3 3, Fig. 2. Fig. 4 is a similar view on the line 4 4, Fig. 2. Fig. 5 is a detail section of the abutting ends of the upper and lower sections of the handle. Fig. 6 is a bottom plan view of the flange 4, showing the alined recesses 5 5.

1 represents the lower section of the cylindrical handle, and its lower end is provided with an annular socket 2, formed with integral longitudinal ribs 3 3, which engage the handle 1 to prevent the socket turning thereon. The lower edge of the socket terminates in an annular flange 4, provided with two oppositely-disposed recesses 5 5, which receive the upper edge of the saw-blade.

The upper end of the lower section 1 is provided with a thimble 6, formed with an external longitudinal radial rib 7, which engages the material of which the handle is formed to assist in holding said thimble in place. The upper edge of the thimble ter-

minates in a flange 8, which corresponds in size to the diameter of the handle. The upper face of the flange 8 is formed with an annular recess 9, which receives a corresponding projecting flange on a similar thimble 10, fixed in the lower end of the upper section 12 of the handle. This thimble 10 is likewise provided with a longitudinal rib 7' to secure it in place and with a circular flange 13, which abuts against the corresponding flange 8 on the thimble 6.

A threaded nut 14 is transversely fixed in the upper section 12 to receive the threaded end of a longitudinal clamp-bolt 15, the longitudinal shank of which extends through central alined orifices in the socket 2, the thimbles 6 and 10, and the handle-sections 1 and 12.

The lower end of the clamp-bolt 15 terminates in a rectangular clamp-link 16, which is provided with a transverse slot 17 for the reception of the outer end of the saw-blade, which may be rigidly secured therein by tightening the upper section 12, so as to draw the link 16 into the socket 2 and bind the upper edge of the saw into the recesses 5 5 in the socket-flange 4.

The manner of securing the handle to the saw and the two sections of the handle together makes the same as rigid as if they were formed of one piece.

Having thus fully described my invention, what I claim as new and useful, and desire to secure by Letters Patent of the United States, is—

A saw-handle comprising the non-rotatable cylindrical section 1, adapted to be grasped by the hand, the socket 2, encompassing the lower end of said section and provided with the longitudinal ribs 3, 3, and annular flange 4, having the alined recesses 5, 5, adapted to engage the upper edge of the saw-blade and prevent the rotation of said section 1, and the encompassing thimble 6, having the longitudinal rib 7, circular flange 8, and annular recess 9, in combination with the adjustable cylindrical section 12, and the thimble 10 provided with the longitudinal rib 7', circular flange 13, and annular concentric flange 11,

the nut 14, fixed in said section 12, and carried thereby, and the clamping-bolt 15, having a vertical non-rotary movement in the section 1, and a rotary movement in said section 12, to engage said nut, and provided with the link 16, adapted to receive the saw-blade, substantially as shown and described.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

FRANK CHIMGAR.

Witnesses:

DANIEL GARRIER,  
LOUIS EISENACH.