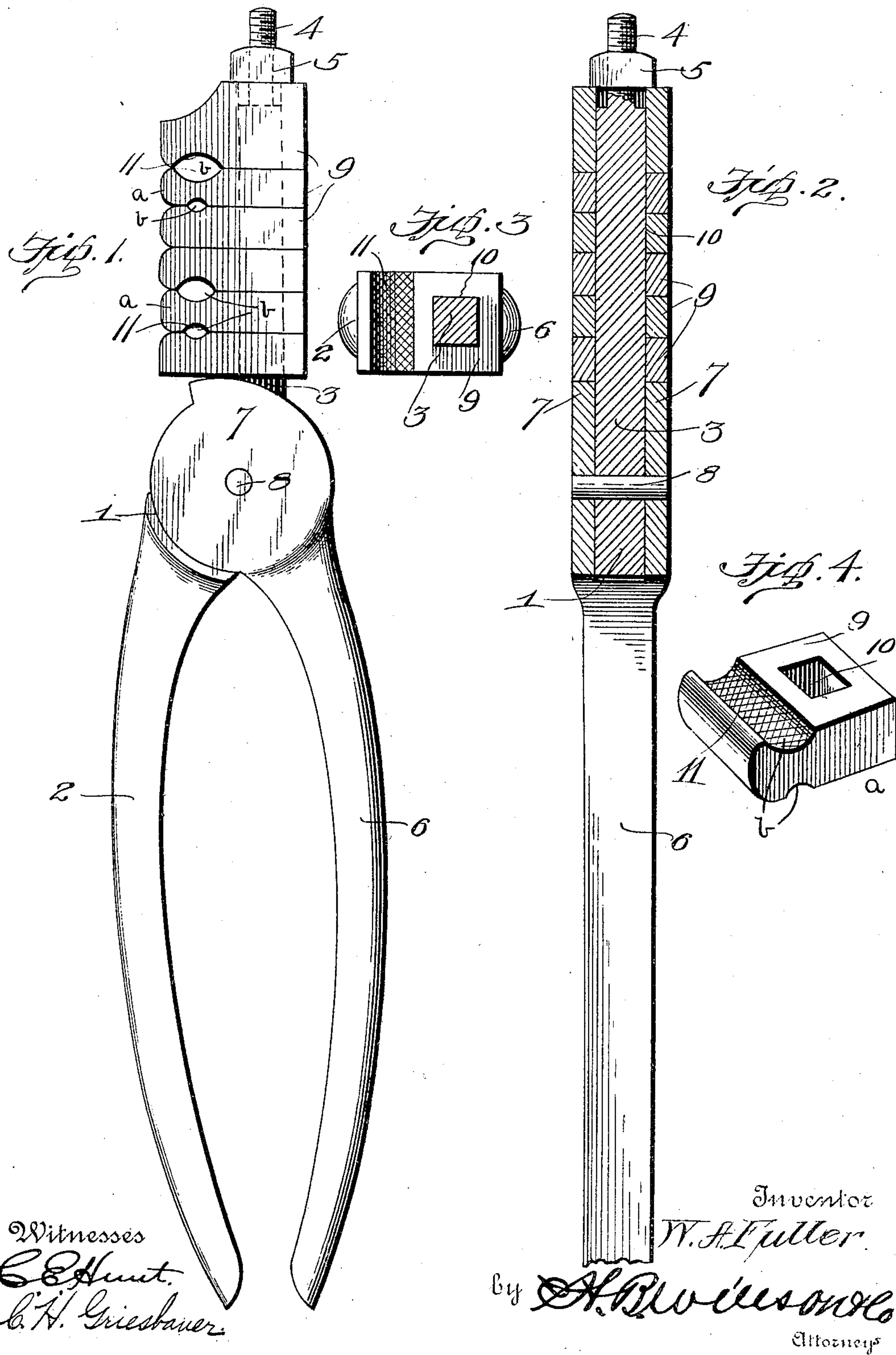


No. 838,705.

PATENTED DEC. 18, 1906.

W. A. FULLER.  
CLAMPING TOOL.

APPLICATION FILED MAR. 15, 1906.





# UNITED STATES PATENT OFFICE.

WILLIAM A. FULLER, OF FOSTORIA, OHIO.

## CLAMPING-TOOL.

No. 838,705.

Specification of Letters Patent.

Patented Dec. 18, 1906.

Application filed March 15, 1906. Serial No. 306,285.

*To all whom it may concern:*

Be it known that I, WILLIAM A. FULLER, a citizen of the United States, residing at Fostoria, in the county of Seneca and State of Ohio, have invented certain new and useful Improvements in Clamping-Tools; 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 clamping-tools designed for the purpose of working or bending wires of different sizes, but which may be used for other purposes; and one of the principal objects of the same is to provide a hand-tool of comparatively simple construction for joining or twisting the ends of telegraph-wires or fence-wires.

Another object is to provide a simple and efficient tool for operating upon wires of different gages.

These and other objects are attained by means of the construction illustrated in the accompanying drawings, in which—

Figure 1 is a side view of a clamping-tool made in accordance with my invention. Fig. 2 is a longitudinal section of the same. Fig. 3 is a transverse section, and Fig. 4 is a perspective view, of one of the jaw members of the tool.

Referring to the drawings for a more particular description of my invention, the numeral 1 designates the fixed jaw of the tool, comprising a handle 2, and a forwardly-projecting squared shank 3, screw-threaded at its outer end, as at 4, and fitted with a nut 5.

Pivotally connected to the fixed jaw is a cam-lever, comprising a handle 6, double cam members 7, spaced apart and between which the fixed jaw is pivoted upon a bolt or pintle 8. The jaw members of the tool, each comprises a substantially rectangular block 9, having a squared aperture 10 therethrough near one end and a roughened groove or biting-jaw 11 in its opposite side near the upper end thereof.

One of the jaws *a* is provided with grooves *b* at opposite sides thereof, said grooves being of different contour in order that wires of different sizes may be clamped between them. These jaws are adapted to slide upon the shank of the fixed jaw and to be adjusted at the proper distance apart by means of the nut upon the end of the shank. The cams upon the outer end of the cam-lever are

adapted to bear against the inner jaw and to move the jaws serially upon the shank, as will be understood, for clamping wires of different sizes between the jaws.

From the foregoing the operation of my invention will be readily understood, and may be described as follows: The wire to be clamped or twisted is placed between the jaws and into the coinciding grooves in the contiguous jaws, and the cam-lever is moved toward the fixed handle of the tool to clamp the wire or wires firmly in the grooves when the tool is operated for twisting or otherwise manipulating the wire.

From the foregoing it will be obvious that my clamping-tool is of simple construction, cannot readily get out of order, is capable for use upon wires of different gage, and can be quickly operated to clamp the wires.

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 as defined by the appended claims.

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

1. A clamping-tool comprising a fixed handle having a longitudinally-extending squared shank, a cam-lever pivoted to said fixed handle, a series of jaws provided with coinciding grooves adapted to slide upon said shank, and an adjusting-nut at the end of the shank for adjusting the jaws, substantially as described.

2. In a clamping-tool, a fixed handle having a shank extending therefrom, a series of jaws adapted to slide upon said shank, and a pivoted handle provided with a cam to move said jaws together to clamp a wire between them, substantially as described.

3. A clamping-tool comprising a fixed handle, a shank extending therefrom, jaws mounted to slide on said shank, and a pivoted handle adapted to move said jaws toward each other to clamp a wire between them, substantially as described.

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

WILLIAM A. FULLER.

Witnesses:

HENRY KOHN,  
MARK LEVY.