

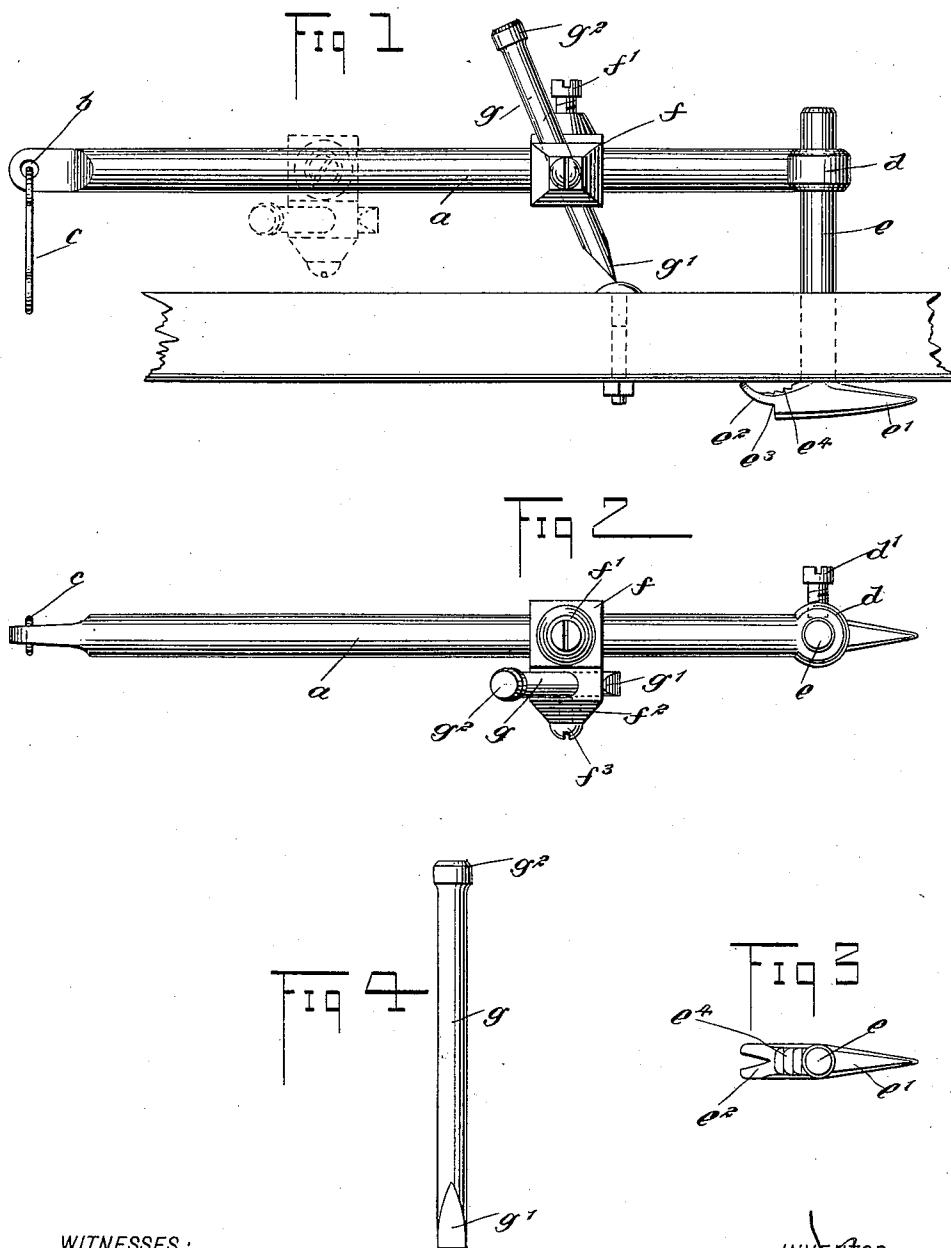
No. 639,566.

Patented Dec. 19, 1899.

W. A. HAUGER.  
COMBINATION TOOL.

(Application filed Aug. 7, 1899.)

(No Model.)



WITNESSES:

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# UNITED STATES PATENT OFFICE.

WILFORD A. HAUGER, OF PAX, MISSOURI.

## COMBINATION-TOOL.

SPECIFICATION forming part of Letters Patent No. 639,566, dated December 19, 1899.

Application filed August 7, 1899. Serial No. 726,439. (No model.)

*To all whom it may concern:*

Be it known that I, WILFORD A. HAUGER, of Pax, in the county of Lawrence and State of Missouri, have invented a new and Improved Combination-Tool, of which the following is a full, clear, and exact description.

This invention relates to a combination-tool having certain peculiarly-constructed elements so arranged as to adapt the tool for use in several connections, as will appear hereinafter.

This specification is the disclosure of one form of my invention, while the claims define the actual scope thereof.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a side view illustrating the invention employed as a bolt-holder, the view showing by dotted lines one of the parts in a second position. Fig. 2 is a plan view of the invention. Fig. 3 is a top plan view of the claw for use as a staple or nail puller, and Fig. 4 is a side view of the chisel.

The tool comprises a handle-bar *a*, at one end of which is an eye *b*, having a link *c* attached, the link serving to permit suspending and handling the tool. The front end of the handle-bar *a* is formed with a transversely-disposed socket *d*, open at top and bottom to carry the stock *e*. On one end of the stock *e* is produced a head comprising a spur *e'*, a claw *e<sup>2</sup>*, a shoulder *e<sup>3</sup>*, and a ratcheted surface *e<sup>4</sup>*.

A slide *f* is mounted on the handle and provided with a set-screw *f'* for fixing it at the desired adjustment, the slide being movable throughout the length of the handle, as indicated by the dotted lines in Fig. 1. The slide *f* has a laterally-offset portion *f<sup>2</sup>* formed with a passage in which is slidably received the chisel *g*, such chisel comprising a point *g'* at its lower end and a head *g<sup>2</sup>* at its upper end. A set-screw *f<sup>3</sup>* is provided to hold the chisel *g* at the proper adjustment. The tool thus constructed may be employed in a great number of ways. For example, it may be used, as in Fig. 1, to hold a bolt during the screwing or unscrewing of the nut thereof, in

which use the parts are adjusted so that the claw *e<sup>2</sup>* may engage under the object in which the bolt is situated and the point *g'* of the chisel may engage on the top of the bolt. Then by bearing down on the outer or free end of the handle the chisel is forced down on the bolt and the bolt securely held. To use the apparatus as a wire-stretcher, the claw *e<sup>2</sup>* should be engaged with the wire and the chisel *g* with the post. Then by swinging the handle *a* the wire may be stretched. By removing the stock *e* from the socket *d* and inserting the spur *e'* in a staple the head of the stock may be driven by striking a hammer on the shoulder *e<sup>3</sup>*, thus forcing the spur into the staple and withdrawing the same. To employ the device as a pipe-wrench, the slide *f* should be moved up adjacent to the stock *e* and the pipe placed upon the ratcheted surface *e<sup>4</sup>*, the point of the chisel being caused to bear against the opposite side of the pipe, whereby to grip the pipe. By removing the stock *e* from the socket *d* the claw *e<sup>2</sup>* may be employed as a nail-puller. The invention may be used in other ways, as will be obvious to a skilled mechanic handling the same. The chisel may be separated from the slide *f*, as shown in Fig. 4, and used as an independent tool.

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

1. A tool, comprising a handle-bar, a headed stock adjustably held in one end of the handle-bar, a slide movable on the handle-bar, and a chisel adjustably held in the slide.

2. A tool, having a handle-bar, a stock held in one end of the handle-bar, and a chisel adjustably mounted on the handle-bar and movable toward and from the stock.

3. A tool having a handle-bar, a stock adjustably held in one end portion thereof and having a ratcheted head adapted to engage a pipe, and a chisel adjustably mounted on the handle-bar and movable toward and from the stock.

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Witnesses:

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