

Aug. 23, 1927.

1,640,256

S. E. SMALL

TOOL

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Fig. 1.

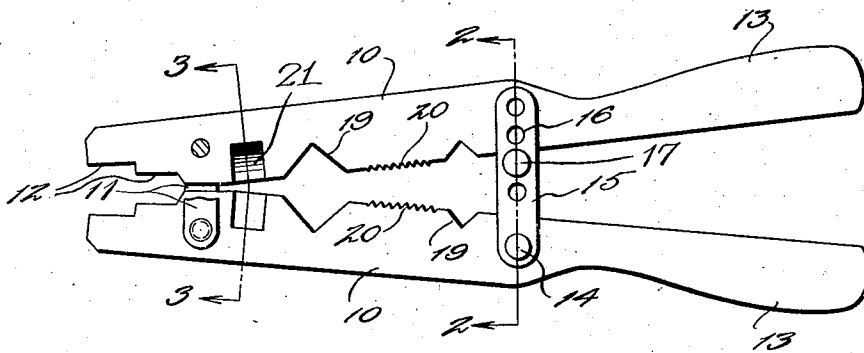


Fig. 2.

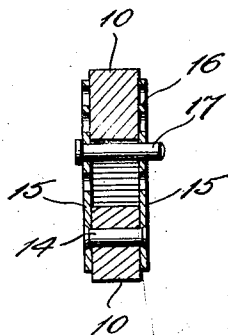
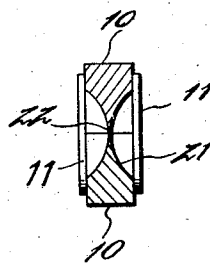


Fig. 3.



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WITNESSES:

# UNITED STATES PATENT OFFICE.

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## TOOL.

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This invention relates to tools and has especial relation to wrenches, an object being to provide a tool of this character which may be used as a wire cutter, a pair of pliers, or a wrench, and which may be quickly and easily adjusted for use.

Another object of the invention is the provision of a tool which may be adjusted to the work and secured in adjusted position and which includes the further advantage of use both as a forked and socket wrench.

With the above and other objects in view, the invention further includes the following novel features and details of construction, to be hereinafter more fully described, illustrated in the accompanying drawings, and pointed out in the appended claims.

In the drawings:—

Fig. 1 is a plan view of a tool constructed in accordance with the invention,

Fig. 2 is a section on the line 2—2 of Fig. 1, and

Fig. 3 is a section on the line 3—3 of Fig. 1 with the hinged members in closed position.

Referring to the drawings in detail wherein like characters of reference denote corresponding parts, the reference character 10 indicates a pair of elongated complemental members which are hingedly connected adjacent one of their ends by links 11 arranged upon opposite faces of the members. The ends of the members between the hinged connection and their outer ends are stepped as indicated at 12 so as to provide nut-engaging portions for receiving nuts of different sizes and permit of the wrench being used as a forked wrench.

The opposite ends of the members provide handles or grips 13, and pivotally secured to one of the members near the inner end of its handle or grip as shown at 14 are links 15, one of these links being upon each side of the member. The links 15 are provided with spaced openings 16 for the reception of a pin 17, and this pin is adapted to provide a stop to limit pivotal movement of said members.

Formed in the adjacent edges of the members 10 between their hinged connection and

the links 15 are recesses 19 of different depths and these recesses provide nut engaging sockets. The opposed edges of the members 10 are also provided with toothed or serrated portions 20 so as to permit of the tool being used as a pair of pliers.

The members 10 adjacent the hinge connection are recessed as at 21 to provide opposed cutting edges 22 and thus form a wire cutter.

It will be apparent from the foregoing description and accompanying drawings that the invention provides a tool which combines a wrench capable of use both as a fork and a socket wrench, a pair of pliers, and a wire cutter, and which may be quickly adjusted for use and manually or mechanically held in engagement with the work.

The invention is susceptible of various changes in its form, proportions, and minor details of construction; and the right is herein reserved to make such changes as properly fall within the scope of the appended claims.

Having described the invention what is claimed is:—

1. A wrench comprising a pair of complemental members, links upon opposite sides of and hingedly connecting the members adjacent one end, gripping portions spaced along the opposed edges of said members, handles for said members, links having one of their ends pivotally connected to the opposite sides of one of the members, and means to adjustably engage said links with the other member to limit pivotal movement of the members.

2. A wrench comprising a pair of complemental members, links upon opposite sides of and hingedly connecting the members adjacent one end, gripping jaws at one end of said members, handles at the opposite ends of the members and removable means capable of being positioned between said members to prevent relative inward pivotal movement of the members, or being positioned at one side of said members to limit relative outward pivotal movement.

In testimony whereof I affix my signature.  
SHIRLEY E. SMALL.