No. 732,715. PATENTED JULY 7, 1903.

H. C. CONDIT.

PLIERS.

APPLICATION FILED MAY 12, 1903.

NO MODEL.

Fig. 1.

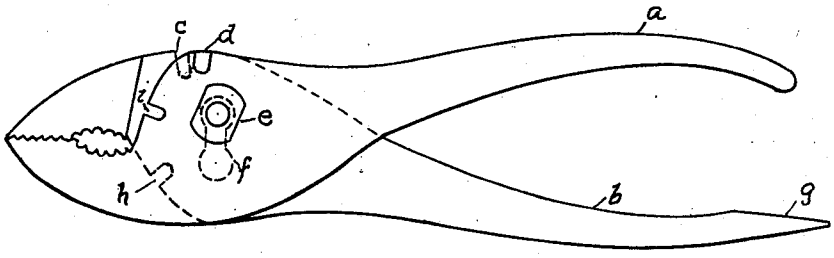


Fig. 2.

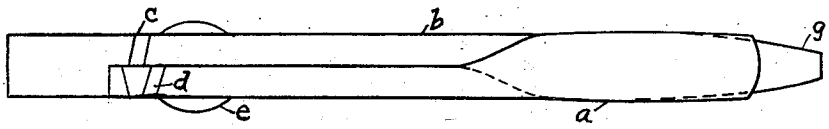
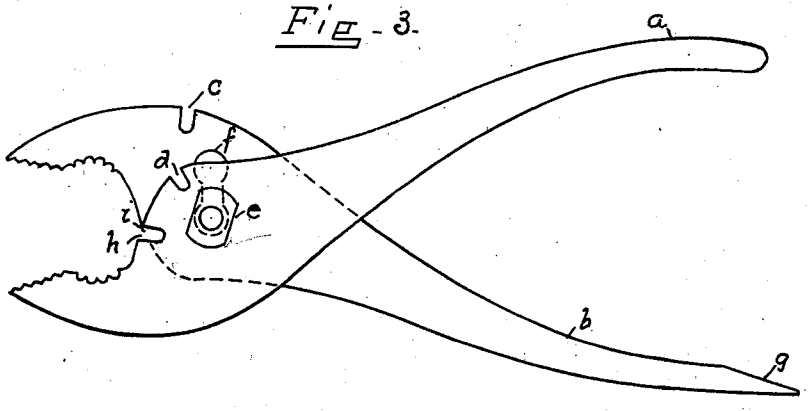


Fig. 3.



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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 732,715. Patented July 7, 1903.

UNITED STATES PATENT OFFICE.

HOWARD C. CONDIT, OF MADISON, NEW JERSEY.

PLIERS.

SPECIFICATION forming part of Letters Patent No. 732,715, dated July 7, 1903.

Application filed May 12, 1903. Serial No. 156,730. (No model.)

To all whom it may concern:

Be it known that I, HOWARD C. CONDIT, of the borough of Madison, county of Morris, State of New Jersey, have invented certain new and useful Improvements in Pliers, of which the following is a specification.

My invention relates to that well-known class of combination-tools in which a slip-joint comprising a pivot fixed in one member and adapted to be moved in a slot in the other member is utilized to vary the capacity of the tool; and it consists in so forming the said members as to permit the providing of wire-cutting notches peripherally around said pivot and of the same being arranged to alternately register as the capacity of the jaws is changed.

Figure 1 is a longitudinal view of pliers closed. Fig. 2 is a plan view. Fig. 3 is a longitudinal view of pliers opened, showing slip-joint at its enlarged point.

Referring to the accompanying drawings, which form part of this specification, in which similar letters refer to similar parts throughout the several views, in Fig. 1 the member *a* has a hole for its fulcrum-pivot below the nut *e*, and nipper-teeth and pipe-teeth are shown upon its jaws. In this view, *d* and *c* and *h* and *i* designate transverse diagonal slots, of which, in the position shown, *d* and *c* serve as wire-cutters. The member *b* has a screw-driver *g* on the end of handle. The slip-joint opening in member *b* for changing the capacity of the tool is outlined in dotted lines at *f*. The slots for cutting wire appear in full lines at *d* and *i* and in dotted lines at *c* and *h*.

Fig. 3 shows the position of pivot in which the wire-cutter *d* and *c* is not operative, but in which slots *h* and *i* register, forming an operative wire-cutter. The enlarged capacity of the gripping parts is also shown.

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

In a tool of the class described; the combination of a slip-joint, comprising a pivot fixed in one member, and adapted to be moved in a slot in the other member, to vary the capacity of the tool; with wire-cutting slots in each member, arranged peripherally around said slip-joint, so as to alternately register when the capacity of the tool is changed.

In testimony whereof I have signed my name, in the presence of two subscribing witnesses, this 11th day of May, 1903.

HOWARD C. CONDIT.

Witnesses:

FRED D. HYER,

HOWARD H. ECKERT.