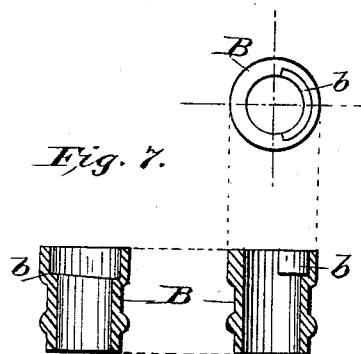
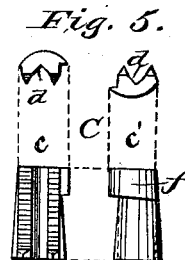
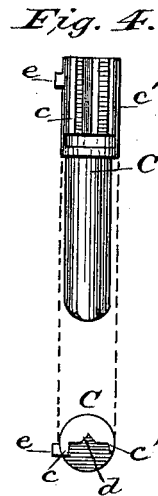
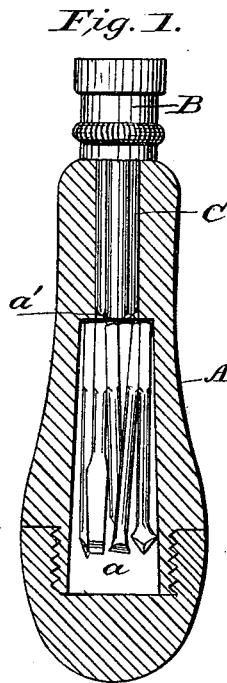
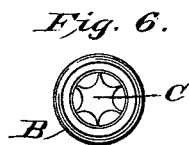
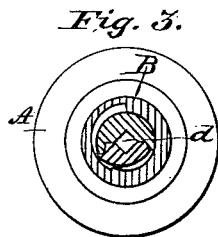
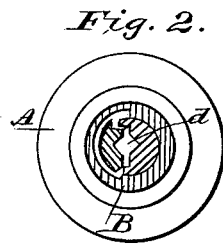


(Model.)

N. C. PERRY.
TOOL HANDLE.

No. 346,219.

Patented July 27, 1886.



Witnesses:

J. C. Brecht
George S. Gladding

Inventor:

N. C. Perry
By M. J. Gilmore
Attorney.

UNITED STATES PATENT OFFICE.

NOAH C. PERRY, OF CHESTER, CONNECTICUT.

TOOL-HANDLE.

SPECIFICATION forming part of Letters Patent No. 346,219, dated July 27, 1886.

Application filed January 2, 1886. Serial No. 187,433. (Model.)

To all whom it may concern:

Be it known that I, NOAH C. PERRY, a citizen of the United States, residing at Chester, in the county of Middlesex, State of Connecticut, have invented certain new and useful Improvements in Tool-Handles, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to the class of tool-handles for small tools and analogous implements which may be safely stored in the frame of the handle proper, made hollow or recessed to contain them; and the object of my invention is to produce a light, economical, and durable tool handle and holder combined—one that is easily manipulated for the firm clamping of small implements with either plain or serrated shanks.

To this end my invention consists in a tool-handle provided with a peculiar gripping device—one that presents its jaws to the shank in the form of a split square opening into a polygon to receive, and closing back into a square-like shape to grasp and retain the tool by a slight and reversible motion of the surrounding ferrule.

The nature and construction of my invention will be fully understood from the following description, when taken in connection with the annexed drawings, in which—

Figure 1 is a sectional view of the tool-handle, partly in elevation; Figs. 2 and 3, detail views of the ferruled end of the handle; Figs. 4 and 5, detail views of the upper and lower half, and Fig. 6 an end view of the stock; Fig. 7, detail views of ferrule.

Similar letters refer to similar parts in all the figures.

In the drawings, A designates the wooden pear-shaped handle proper, made hollow, as at *a*, in the large end, which carries a round cap screwed onto it to contain the tools not in immediate use, and which has also a socket, *a'*, at its smaller end to hold the clamping device inclosed by the ferrule B. The socket *a'* is made communicating with the receptacle *a*, for the purpose that the clamping device extending to the end of the former may be conveniently driven out by the latter. The ferrule B, made of metal, is of a hollow cylindrical

form, having a portion of one-half its inner wall from top to bottom recessed, and the inclined base line *b* of said recess forming the supporting plane and road for a portion of stock C. Of this metallic gripping-stock C, the lower half, housed in the socket, is fluted or roughened to prevent its turning in the same, while its upper half, of smooth outer wall, is inclosed by the operating-ferrule B. This latter or upper half of the stock C is longitudinally divided by an irregular serrate line into two sections, which, when dovetailed, show a square opening, *d*, in the center of the split halves of the stock. Of these sections, *c* is the stationary part, being of one piece with the stock, and *c'* is the loose or eccentric portion, which latter is held in place by two end projections that fit into a corresponding groove made on the inner side of the former. These sections are, moreover, provided near their tops, the stationary *c* with a lug, *e*, and the eccentric *c'* with a cam, *f*, adapted in shape to have for its road-bed, as it were, the inclined plane *b* at the base of recess in ferrule B.

In the operation of the gripping device it is the reversible motion of the recessed ferrule B by which the eccentric section *c'*, in gliding contact with inclined plane *b*, is successively brought near to or allowed to recede from the stationary section *c*, thus opening to receive, and again closing to grip, the square throat or jaws *d* of the tool-handle.

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

In a tool-handle, the combination of a stationary gripping-jaw having a regularly-curved side and forming half the grip, a movable jaw having a cam-shaped side and coacting with said stationary jaw, with a ferrule engaging said jaws whose inner or engaging surfaces have different diameters, substantially as set forth and described.

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

NOAH C. PERRY.

Witnesses:

E. C. HUNGERFORD,
GEORGE S. GLADDING.