R. E. CHERRINGTON.

CURRIERS' KNIVES.

No. 193,806. Patented Aug. 7, 1877.

Fig. 1.

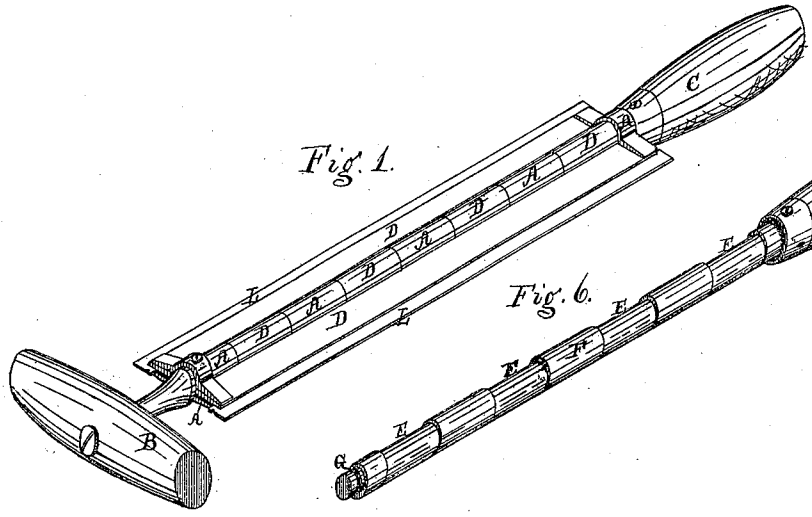


Fig. 6.

Fig. 2.

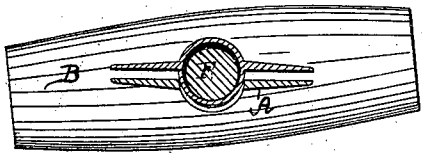


Fig. 3.

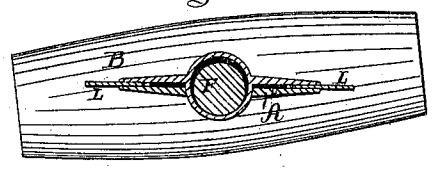


Fig. 4.

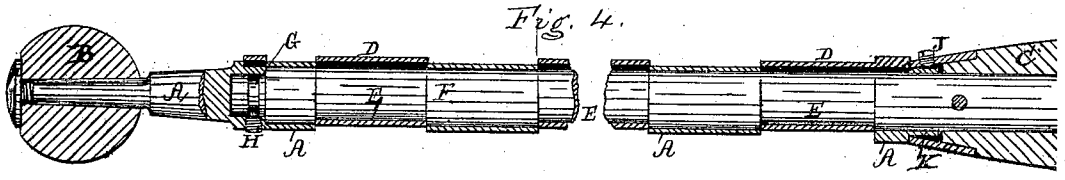
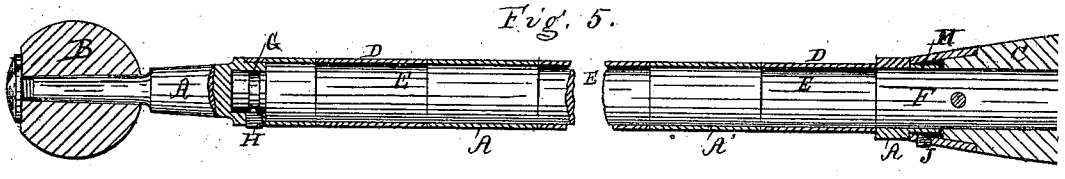


Fig. 5.



Witnesses_

Albert Loring
C. W. Bennett.

Inventor_

Robert E. Cherrington.

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

ROBERT E. CHERRINGTON, OF HOLYOKE, ASSIGNOR TO CHESTER GUILD, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN CURRIERS' KNIVES.

Specification forming part of Letters Patent No. **193,806**, dated August 7, 1877; application filed February 15, 1877.

To all whom it may concern:

Be it known that I, ROBERT E. CHERRINGTON, of Holyoke, in the county of Hampden and State of Massachusetts, have invented an Improved Tool-Holder; and I do hereby declare that the following, taken in connection with the drawings which accompany and form part of this specification, is a description of my invention sufficient to enable those skilled in the art to practice it.

This invention may be applied in many ways; but it is designed for, and I shall describe it as applied to, a currier's knife, the object being to facilitate the operation of setting the knives, to accomplish which I construct the jaws or clamps in a manner which will be more fully described hereinafter, and close them firmly against the knives by means of cams or eccentrics, which are operated by turning the handle.

In the drawings, Figure 1 is a perspective view of the tool when ready for use. Figs. 2 and 4 are sectional views, showing the position of the clamps when open; Figs. 3 and 5, similar views with the jaws closed; and Fig. 6, a perspective view of the eccentric rod.

A represents one of the clamps having one end attached firmly to the handle B, while the other end projects slightly into the handle C. The clamp D is so made that upon the removal of the rod F it may be entirely separated from the clamp A. Each of these clamps is composed of two jaws, of sufficient length to properly gripe and hold the knives, and extending from opposite sides of a tube, having through its center a hole to correspond with the largest diameter of the rod F.

Alternate pieces or sections of the tube are cut out of each clamp, to admit of the jaws being brought together.

The central rod for operating these clamps consists of alternate cams or eccentrics formed by turning down the rod F at intervals, as seen at E, so that while depressions will appear on one side of the rod the opposite side will be a straight line.

The depressions thus formed correspond in length with the remaining sections of the tube in the clamp D.

The rod F is pinned at its outer end to the handle C, while its inner end is grooved, as at G, to prevent the rod from being pulled out, unless desired.

The several parts of this holder are put together as follows: The two clamps A and D are placed together, the alternate sections of tube of the one entering the openings in the other, the two, when so placed, forming one continuous tube, into which the rod F is pushed, and the screw H turned in to hold it there. The rod is then turned one-half of a revolution by turning the handle C, the sections of the clamp D pressed into the depressions at E in the rod, and the jaws are opened, as shown in Figs. 2 and 4. The knives L are placed between the jaws. The rod, being brought back to its original position, closes the jaws, and holds the knives firmly in their places, Figs. 3 and 5.

To prevent the rod F from being turned when not desired, I place a screw, J, in the handle C, to impinge against the collar K on the end of the clamp A.

The particular advantages of this tool-holder over all others for a similar purpose are the ease and rapidity with which the knives may be adjusted, making a great saving both in time and labor.

I claim—

1. In a tool-holder, the tool-holding jaws provided with arched recesses, operated upon by a central rod, provided with cams or eccentrics corresponding to such arched recesses, substantially as and for the purpose herein described.

2. In a tool-holder, the central rod F, provided with cams or eccentrics adapted to open and close the tool-holding jaws, substantially as shown and described.

3. In combination, the rod F and clamps A and D, with the knives L, substantially as described.

4. In combination, the rod F, clamps A and D, handles B and C, screws H and J, with the knives L, substantially as and for the purpose described.

Executed at Holyoke this 12th day of January, A. D. 1877.

ROBERT E. CHERRINGTON.

Witnesses:

ALBERT LORING,

C. W. BENNETT.