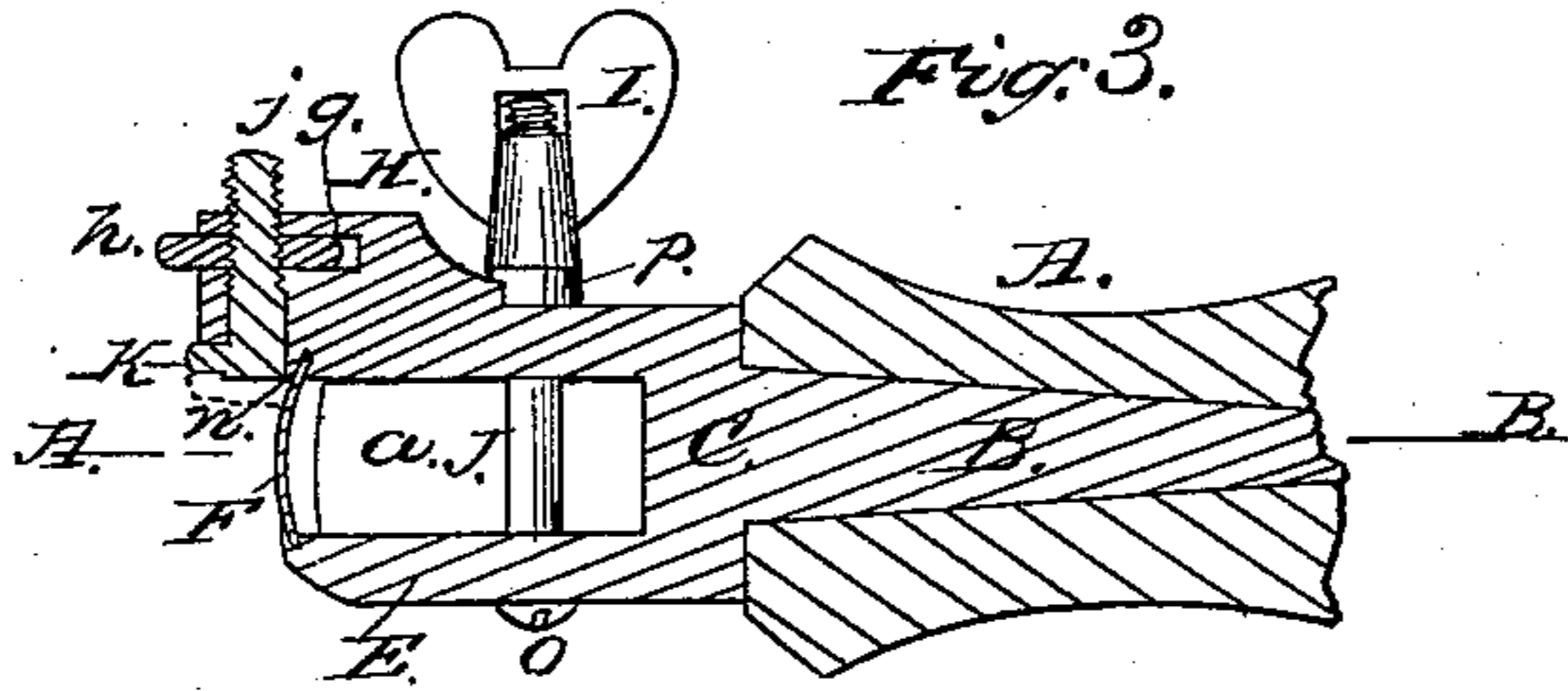
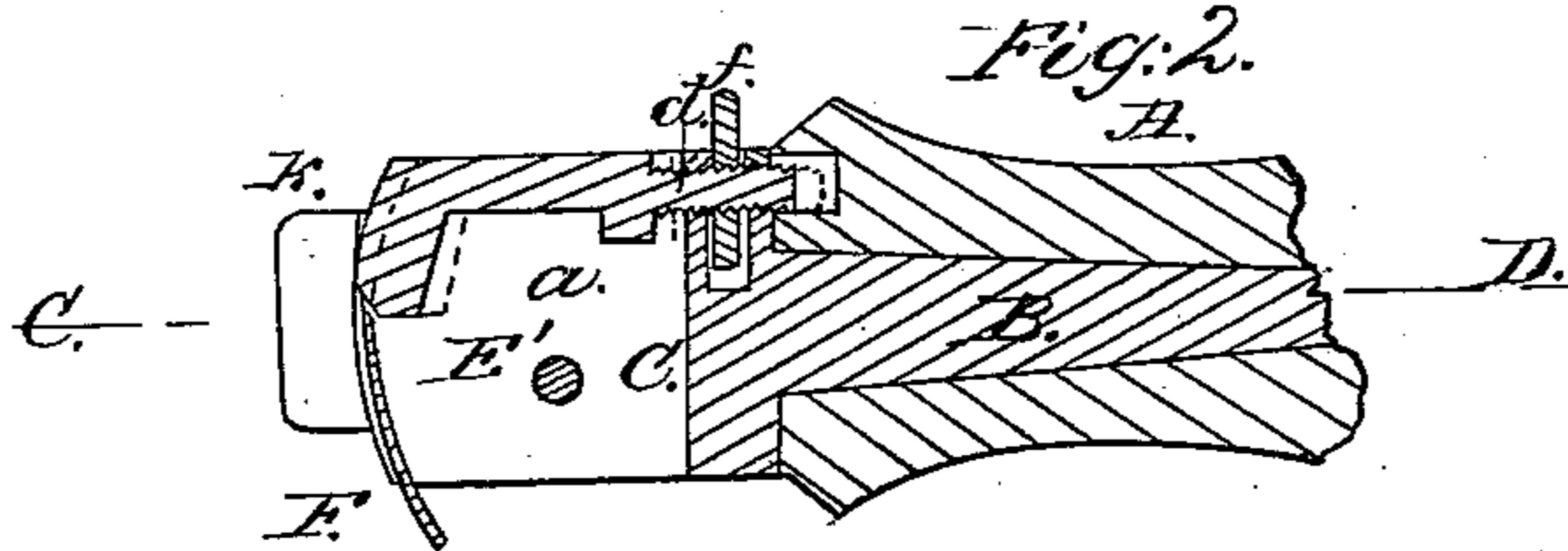
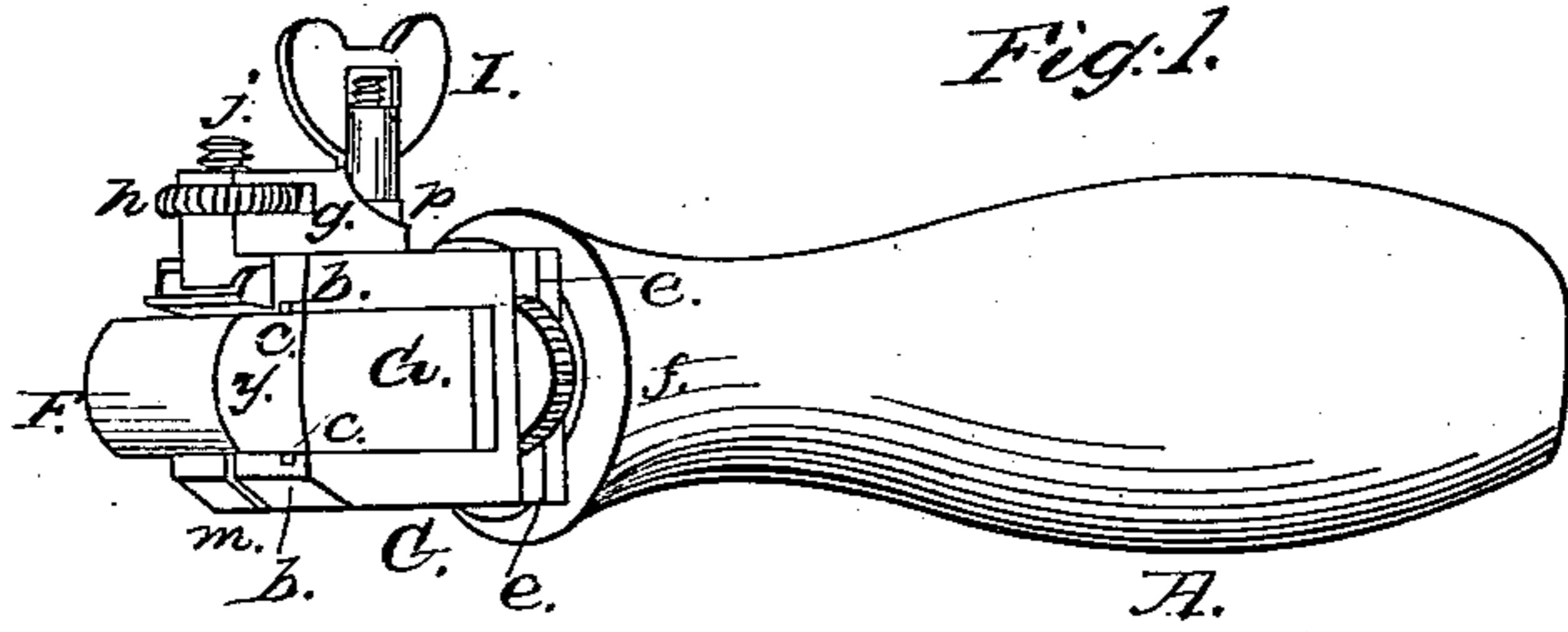


A. B. Clark,

Edge Plane.

N^o 61,804.

Patented Feb. 5, 1867.



Witnesses:

Thos H. Dodge
D. L. Miller

Inventor:

A. B. Clark

United States Patent Office.

A. B. CLARK, OF AUBURN, MASSACHUSETTS.

Letters Patent No. 61,804, dated February 5, 1867.

IMPROVED EDGE PLANE FOR BOOTS AND SHOES.

The Schedule referred to in these Letters Patent and making part of the same.

KNOW ALL MEN BY THESE PRESENTS :

That I, A. B. CLARK, of Auburn, in the county of Worcester, and Commonwealth of Massachusetts, have invented certain new and useful Improvements in Edge Planes for Boots and Shoes; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a perspective view of my improved edge plane.

Figure 2 represents a longitudinal central section through the operative part of the device, fig. 1, on line indicated by line A B, fig. 3.

Figure 3 represents a longitudinal central section of the operative part of the device on line indicated by line C D, fig. 2.

To enable those skilled in the art to which my invention belongs to make and use the same, I will proceed to describe it.

In the drawings, the part marked A represents the handle; B the metal shank, which is connected to or cast with the head-piece C, which is slotted or cored out, as seen at *a*. The sides E' E' of the head-piece C are recessed or grooved out crosswise at the top to receive the plane F, which is made slightly arching or in curved form, both longitudinally and laterally, as indicated in the drawing. The side pieces E E' are grooved or recessed out longitudinally near their front edges, as seen at *b b*, to receive the projections *c c* on the adjustable mouth-piece G, which is provided with a screw, *d*, which extends down through the slotted base of head-piece C, as shown in figs. 1 and 2. Within the cross-slot *e* of the head piece C is placed a milled nut, *f*, through which the screw *d*, attached to the mouth-piece G, passes. By turning nut *f* the mouth-piece G can be raised or lowered to cause the plane F to cut more or less in depth, as may be desired. The top of side piece E' projects out at the top, as shown at *h*, and has a slot or recess, *g*, cut therein to receive a milled nut, *h*, which works on the screw *j*, connected with the side guide piece *k*, whereby the operator can, by turning the milled nut *h*, move the side guide piece *k* over the face of the plane F, as indicated in red lines, fig. 3, and thereby reduce the width of cut of plane F. The side piece E is cut down from top to bottom, as shown at *m*, whereby the operator can, by turning the thumb-screw I upon the end of the screw-bolt J, so far spring the side E as to bind the plane F firmly in its place in the grooves *n n* in the tops of the side pieces E E'. Screw-bolt J has a head, *o*, which fits in a recess in the side E, while a washer, *p*, is placed upon its outer end before the thumb-screw I is screwed on, as fully indicated in the drawings. The cutting edge of the plane F is concaved or circled out, as shown at *q*. This arrangement of the plane renders the cut more perfect, and the finish of the work better than when performed by planes constructed in the ordinary manner. By my improved plane the edges of the soles of boots and shoes can be trimmed and finished in an expeditious and neat manner. The plane, too, can be very quickly adjusted to cut at any required depth and width.

Having described my improved edge plane for boots and shoes, what I claim therein as new and of my invention, and desire to secure by Letters Patent, is—

1. The combination, with the sides E E', of the plane F and the screw-bolt J and thumb-nut I, substantially as set forth.

2. The combination, with the sides E and E', of the adjustable mouth-piece G and side guide *k*, with their adjustable screws *d* and *j*, and nuts *f* and *h*, substantially as set forth.

A. B. CLARK.

Witnesses:

THOS. H. DODGE,

D. L. MILLER.