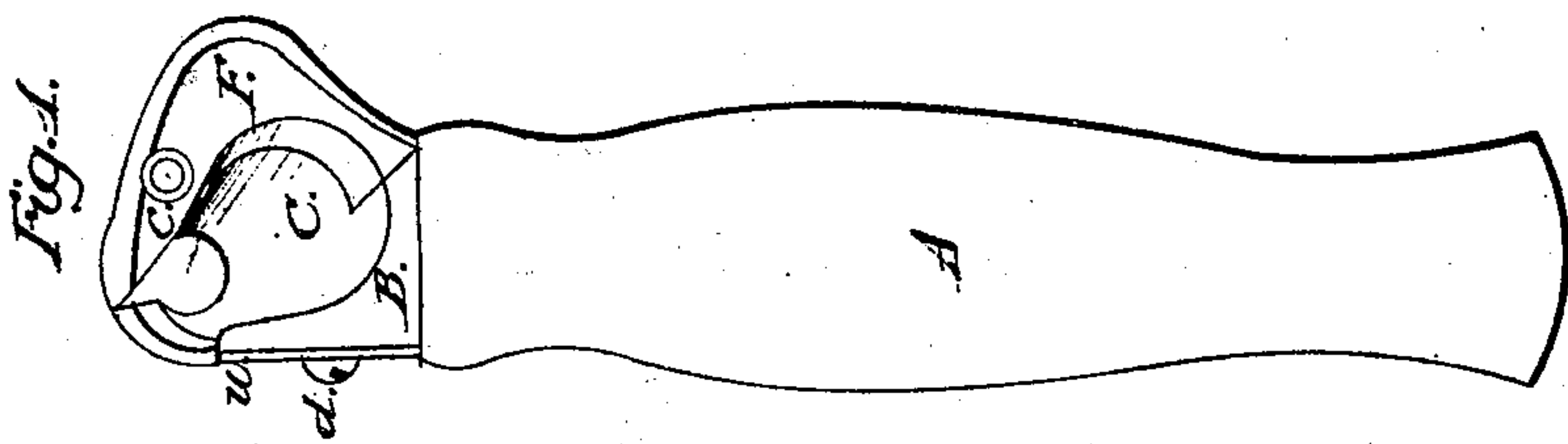
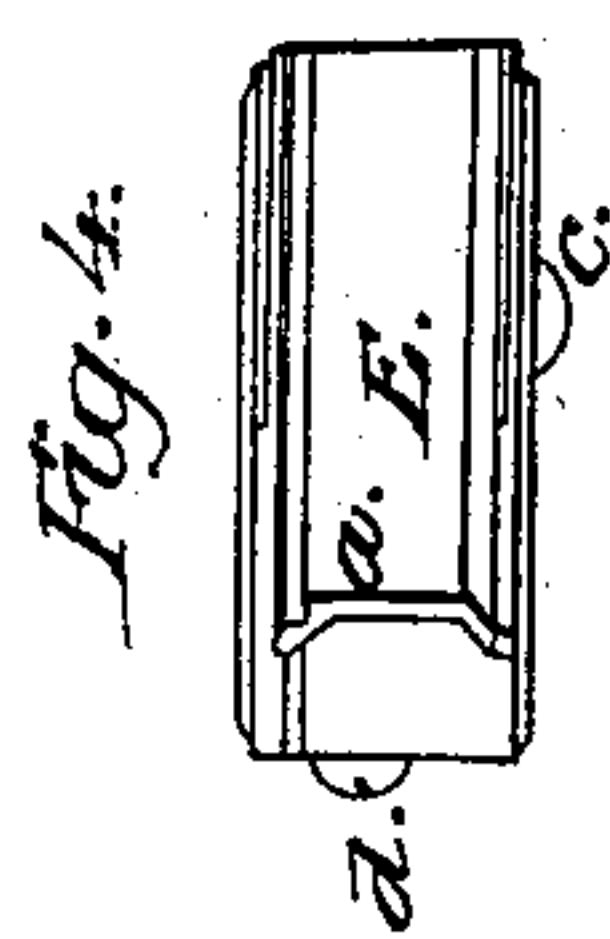
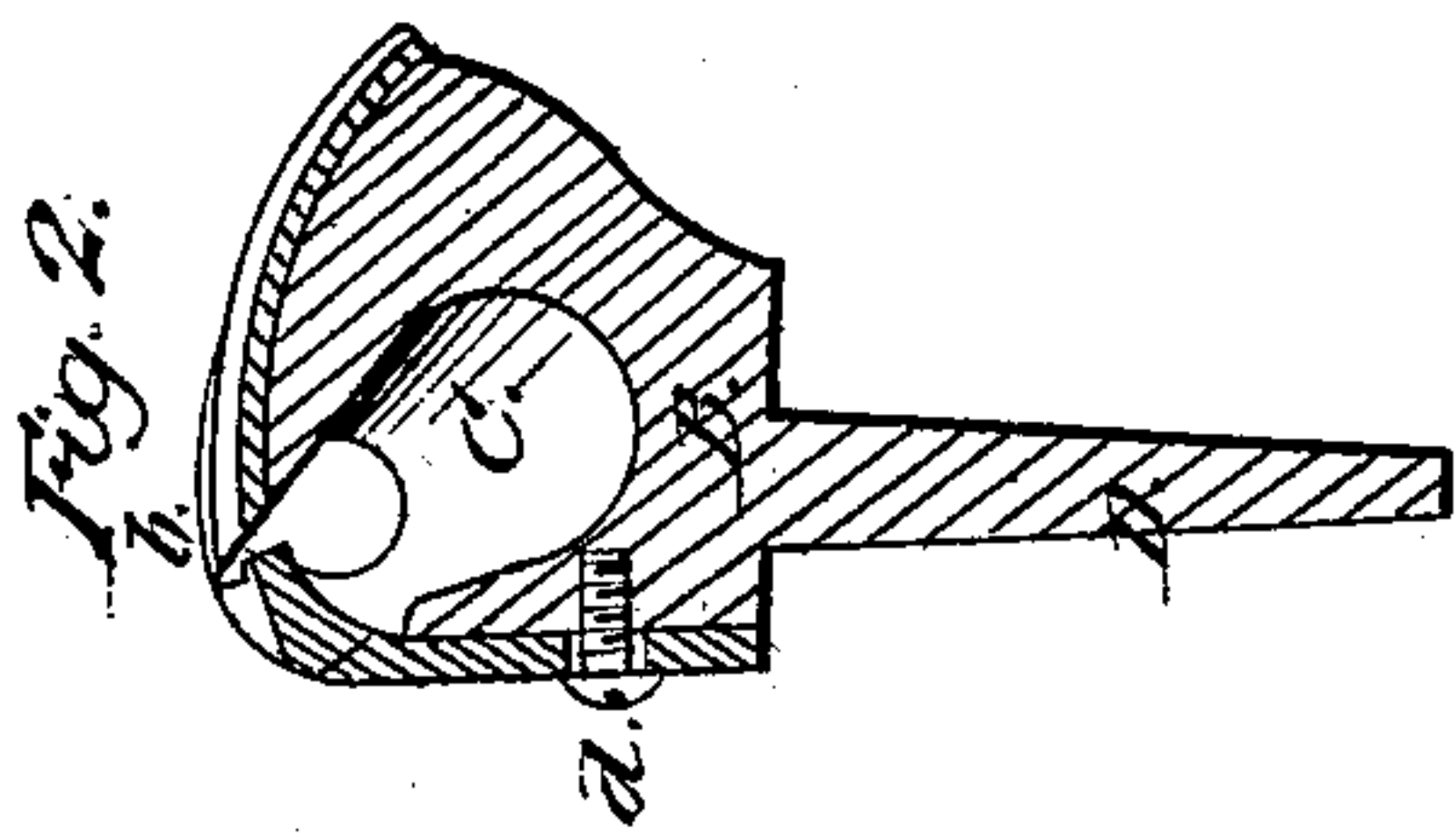
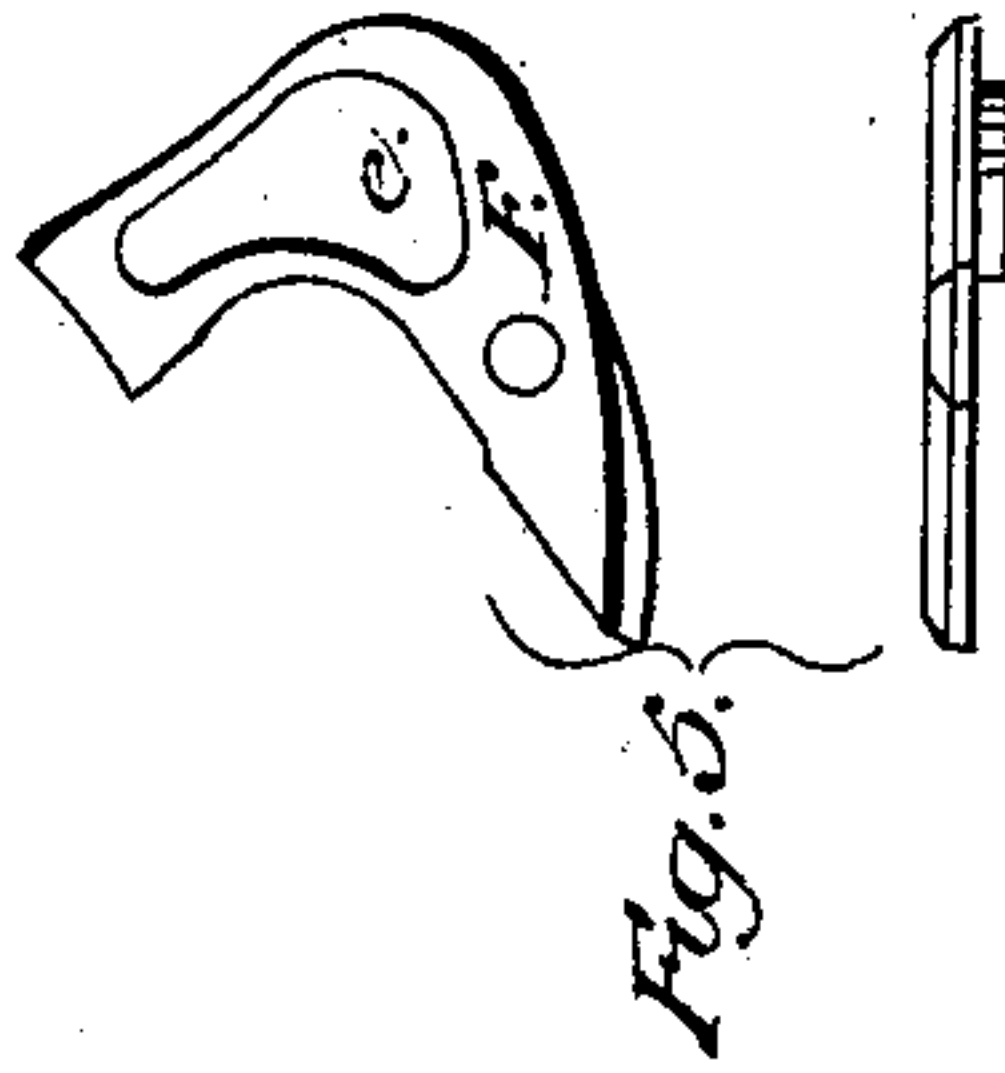
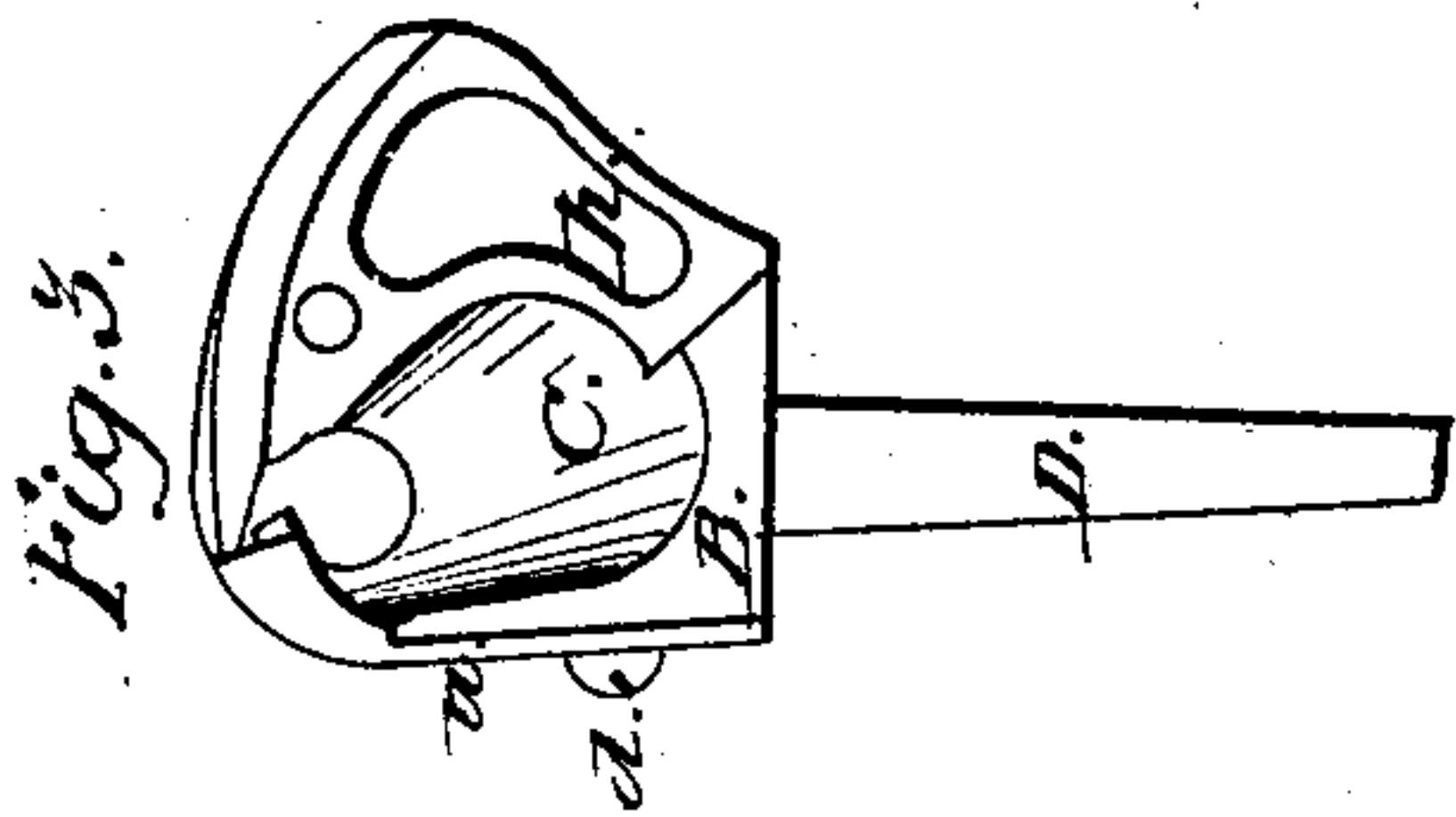


C. P. Bigelow.

Edge Plane.

N^o 88,264.

Patented Mar. 30, 1869.



Witnesses:
James P. Gross
Paul J. Meunier

Inventor:
C. P. Bigelow
by Chapman & Hosmer & Co
Attys

United States Patent Office.

CHARLES P. BIGELOW, OF CLINTON, MASSACHUSETTS.

Letters Patent No. 88,264, dated March 30, 1869.

IMPROVED EDGE-PLANE.

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

To all whom it may concern:

Be it known that I, CHARLES P. BIGELOW, of Clinton, in the county of Worcester, and State of Massachusetts, have invented a new and valuable Improvement in Edge-Planes; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1, of the drawings, is an external side view of the edge-plane.

Figure 2 is a vertical sectional view of the same.

Figure 3 is a side view, with plate F removed.

Figure 4 is a plan view.

Figure 5, a detail, showing plate F.

My invention relates to edge-planes for shoemakers' use; and

It consists in providing more efficient means than have heretofore been devised for paring, or trimming the edges of the soles of boots and shoes.

Letter A represents the handle of the edge-plane, secured to the body B by means of a shank, D.

Letter C represents an ear-shaped throat, which throws out the chips of leather on the side opposite to the boot or shoe.

Letter E represents the knife-blade, describing the arc of a circle, of uniform thickness, with the edges turned up at the sides.

On the side of the knife next to the boot or shoe, is a raised ridge, or lip, *a*, whose office is to pare off the upper edge of the sole. In its operation of paring, it is protected from cutting the upper leather by shield *b*, as shown in fig. 2 of drawings.

Letter *c* is a set-screw, securing plate F and knife E in place.

Letter *u* represents an end-plate, secured to the body of the edge-plane by set-screw *d*, in manner as set forth.

Letter F is an irregular-shaped plate, secured to the body of the edge-plane by set-screw *e*.

Letter *e* is an irregularly-shaped stop, or shoulder, to fit into a similar-shaped cavity, *h*, in the body of the edge-plane.

My device is operated as follows:

The operator grasps the handle A in such a manner as will present the shield *b* next to the upper leather.

By pressing the forward end of the blade upon the edge of the sole, and pushing forward, the edge of the sole is pared, and the chips escape through the ear-shaped throat, thus preventing the clogging of the knife.

At the same time, the lip *a* cuts a groove on the upper edge of the sole, without any danger of cutting the upper leather, being protected by shield *b*.

When the knife needs sharpening, it is easily removed by means of set-screw *c*, and when worn out, can be replaced by another.

What I claim as my invention, and desire to secure by Letters Patent, is—

An edge-plane for shoemakers' use, having knife E, with lip *a*, body B, ear-shaped throat C, shield *b*, and plate F, with shoulder *e*, combined, arranged, and operating, substantially as herein described.

In testimony that I claim the above, I have hereunto subscribed my name, in the presence of two witnesses.

Witnesses:

CHARLES P. BIGELOW.

GEO. W. MORSE,

SAMUEL W. DICKINSON.