

No. 61,384.

PATENTED JAN. 22, 1867.

W. BAYHOUSE.
EDGE PLANE FOR BOOTS OR SHOES.

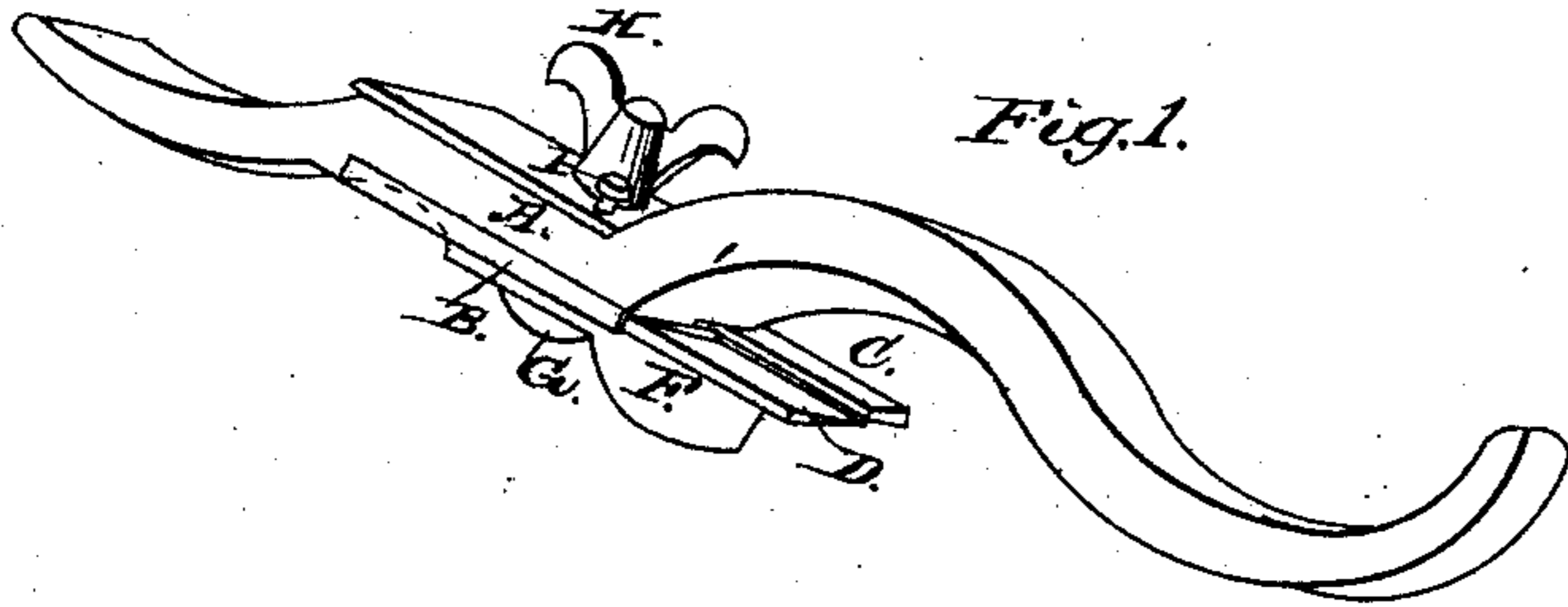


Fig. 1.

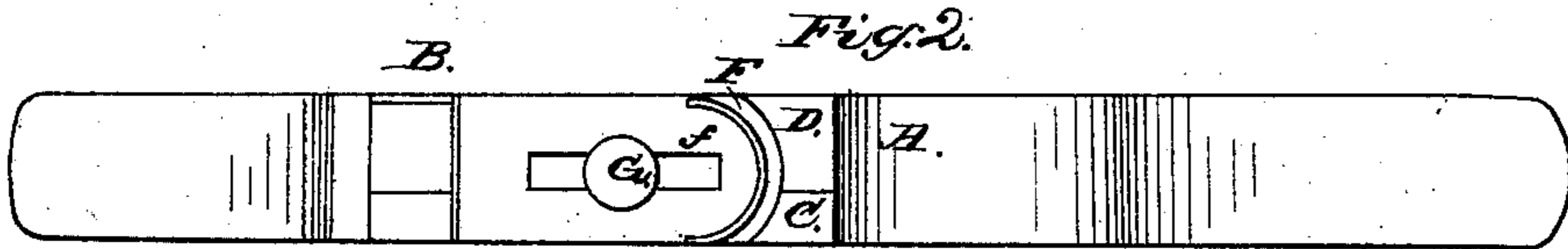


Fig. 2.

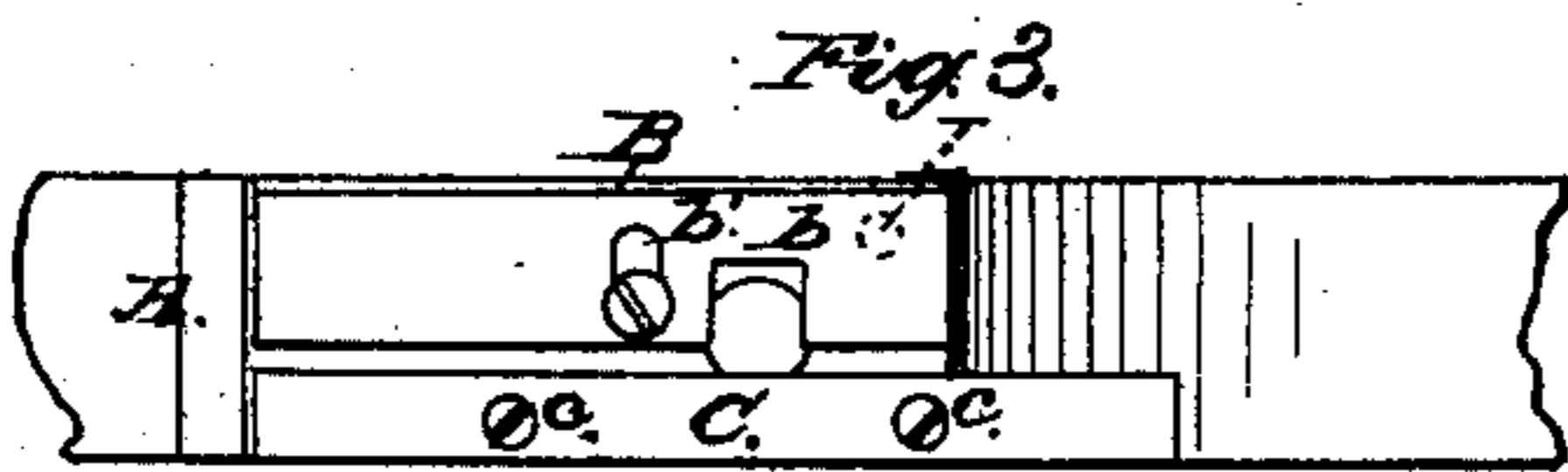


Fig. 3.

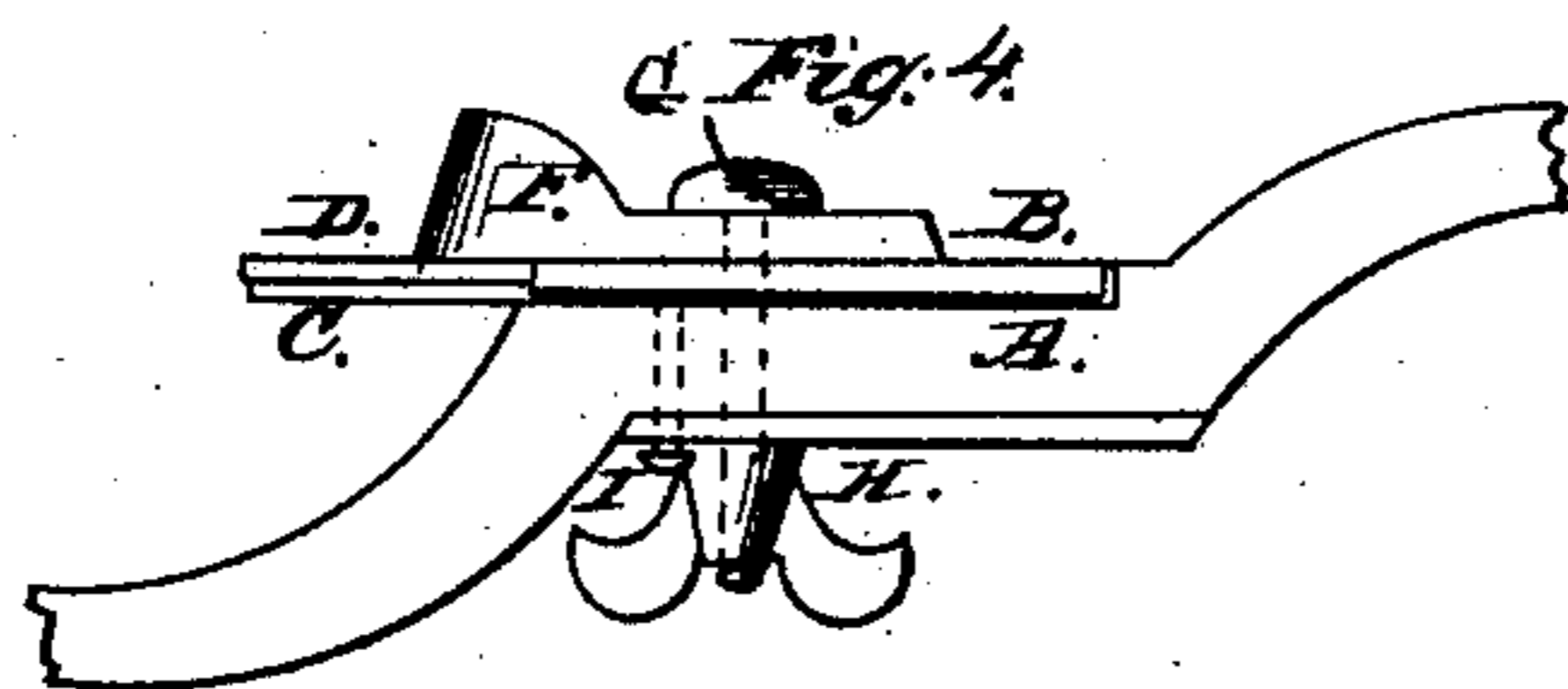


Fig. 4.

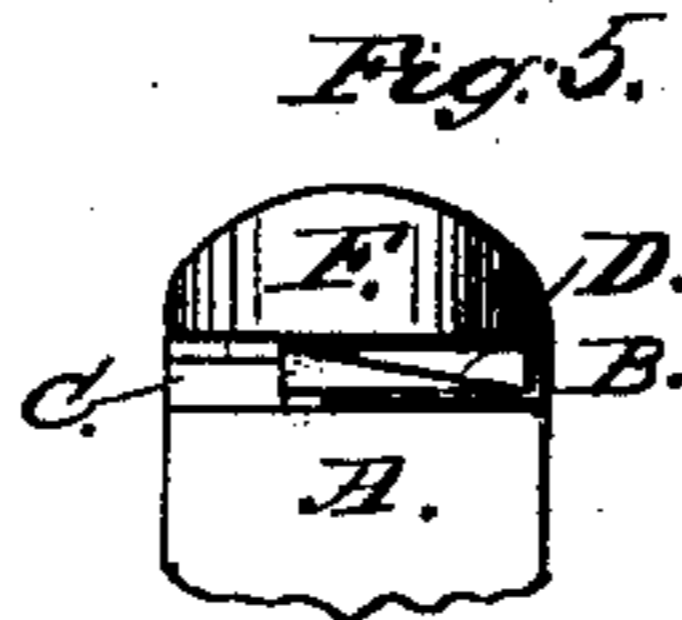


Fig. 5.

Witnesses:
Geo. H. Strong
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Fig. 6. Inventor:
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By his Atty's
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United States Patent Office.

WILLIGAM BAYHOUSE, OF PORTLAND, OREGON.

Letters Patent No. 61,384, dated January 22, 1867.

IMPROVED EDGE PLANE FOR BOOTS AND SHOES.

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, WILLIGAM BAYHOUSE, of Portland, Multnomah county, State of Oregon, have invented a certain new and improved Sliding Guard Edge Plane for Boots and Shoes; and I do hereby declare the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains, to make and use my said invention without further invention or experiment.

The nature of my invention is to provide an edge plane and guard for planing the edges of soles to boots and shoes, so constructed that both hands may be used to operate the instrument, and the work be seen as fast as the planing is accomplished, and the knife or plane so guarded as not to cut the upper.

In order to accomplish the object sought I employ a curved handle, which is notched underneath for a slotted plate or gauge, in which is placed the knife or cutter. A slotted or adjustable guard is placed over the knife, and the whole kept in place by a set-screw and nut, the screw passing through the knife, gauge, guard, and handle.

To more fully illustrate and describe my invention reference is had to the accompanying drawings, and the letters marked thereon, in which—

Figure 1 represents a perspective view.

Figure 2, bottom view.

Figure 3, view with guard removed.

Figure 4, side view showing the operation of the slotted gauge and set-screw.

Figure 5, end view.

Figure 6, view of knife.

Similar letters indicate like parts in each of the figures.

A represents the frame, having a convenient handle at one end, and a place to grasp it with the fingers at the other end. Upon a plane in front of the handle is placed a gauge, B, having two slots, the one, *b*, or square slot, is placed over the hole in the handle, the other, or oblong one, *b'*, through which the gauge is attached to the handle by means of a screw, allowing the gauge to move backward and forward against a plate or bar, C. One end of this bar is slightly convex, and is attached to the handle by two screws, *c c*. Between this bar and the turned or bent edge of the gauge the knife or cutter is placed. The cutter D is an oblong piece of steel, one end of which is a straight-edge blade; the other end is made convex for cutting concave edges, and may be easily changed from left to right, or right to left. A slot, *d*, is made near the centre of the knife to correspond with the slot in the gauge. A guard, F, is placed over the cutter or knife, having a longitudinal slot, *f*, for moving back and forth, and through which the set-screw G operates, passing through the knife, guard, and handle, and regulated by the thumb-nut H. A screw, I, is placed near this thumb-nut for elevating the knife. By this means the knife is prevented from cutting the upper leather, the guard being so constructed as to follow in its operation the curve of the shoe, and the peculiar shape of the handle accommodates itself to any unevenness of the last. For raising the knife and cutting a thicker shaving, the thumb-screw is turned back and the blade elevated by means of the screw I; and for cutting wider or narrower, the gauge is drawn out or forced back, while, for cutting a convex edge, the blade is changed end for end. The flat surface of the blade insures a clean cut, thereby making a perfectly smooth edge, which avoids the use of sand-paper or rasp, and leaves the edge ready for the ink and finishing-iron.

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

1. An edge plane having a cutter D, with straight and concave edges, and the adjustable slotted guard F placed over the said cutter, substantially as described and for the purpose set forth.

2. The gauge B with slots *b* and *b'* and the screw I for elevating the cutter, in combination with the screw G and thumb-nut H, substantially as described and for the purposes set forth.

In witness whereof I have hereunto set my hand and seal.

WILLIGAM BAYHOUSE, [L. s.]

Witnesses:

C. W. M. SMITH,

GEO. H. STRONG.