Hill & Arnold,

Edge Plane.

No. 5501. Patented Apr. 11. 1848.

Fig. 2.

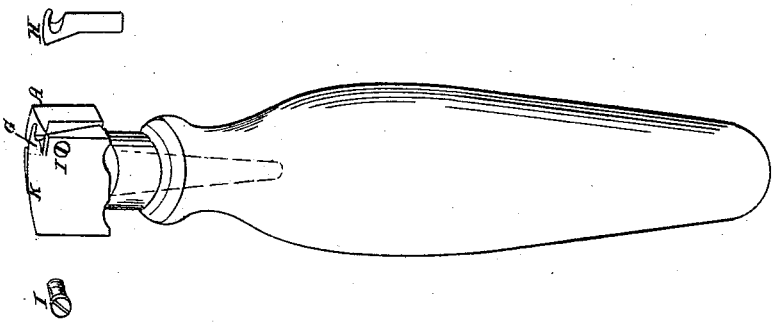
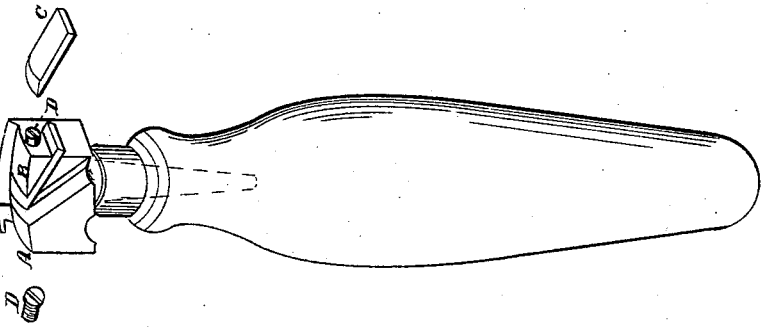


Fig. 1.



Albert P. Hill & Reynolds Arnold
Inventors,

UNITED STATES PATENT OFFICE.

A. V. HILL AND R. ARNOLD, OF HAMBURG, NEW YORK.

BOOT-PLANE.

Specification of Letters Patent No. 5,501, dated April 11, 1848.

To all whom it may concern:

Be it known that we, ALBERT V. HILL and REYNOLDS ARNOLD, of the town of Hamburg, in the county of Erie and State of New York, have invented a new and useful Machine denominated a "Feather-Edge Boot-Plane"; and we do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a perspective view of the machine showing the cutting plane and outer side of the guard. Fig. 2 is a perspective view of the machine showing the feather edge plane and inner side of the guard.

A front view of the machine; B the cutting plane; C the cutting plane iron removed; D the screw to fix cutting plane iron when set; E the guard; F the outer side of feather edge plane; G the inner side of the feather edge plane; H the feather edge plane iron removed; I the screw to fix the feather edge plane iron when set; K the inner side of the guard.

The nature of our invention consists in the combination of a cutting plane with a feather edge plane for the purpose of cutting and trimming the feather end edges of boot soles.

The cutting plane is situated on the inner side of the machine and is formed with a rounded face as shown at B Fig. 1. The plane iron C having a rounded edge. The guard E is an elevated portion of the cutting plane leveled off on the outer side from the face of the cutting plane and running along the lower edge till it encounters the feather edge plane iron. The feather edge plane is situated on the front of the machine, and the feather edge plane iron is formed with a curve toward its outer edge, as shown more particularly at H.

The whole of the machine is formed of steel having a shank (shown by the dotted lines) inserted in a wooden handle.

This machine is used by applying the rounded plane B to the sole with the guard E inward and pushing it forward.

The advantages resulting from our invention are the ability to cut set and trim the feather and edge of the boot sole at one operation and an avoidance of any risk of cutting the upper leather obviating the use of a rub stick and necessity of glazing the edge and of course securing an economy of time.

What we claim as our invention and desire to secure by Letters Patent is—

The combination of the cutting plane with the feather edge plane in the manner and for the purposes above described forming an entirely new invention.

ALBERT V. HILL.
REYNOLDS ARNOLD.

In presence of—
JOHN S. WILD,
SAMUEL TURNER.