

C. D. McAULEY'S
Improvement in
EDGE PLANES for SHOEMAKERS.

ASSIGNOR TO HIMSELF AND G. W. KAYLOR.

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Fig. 1.

PATENTED
 FEB 18 1868

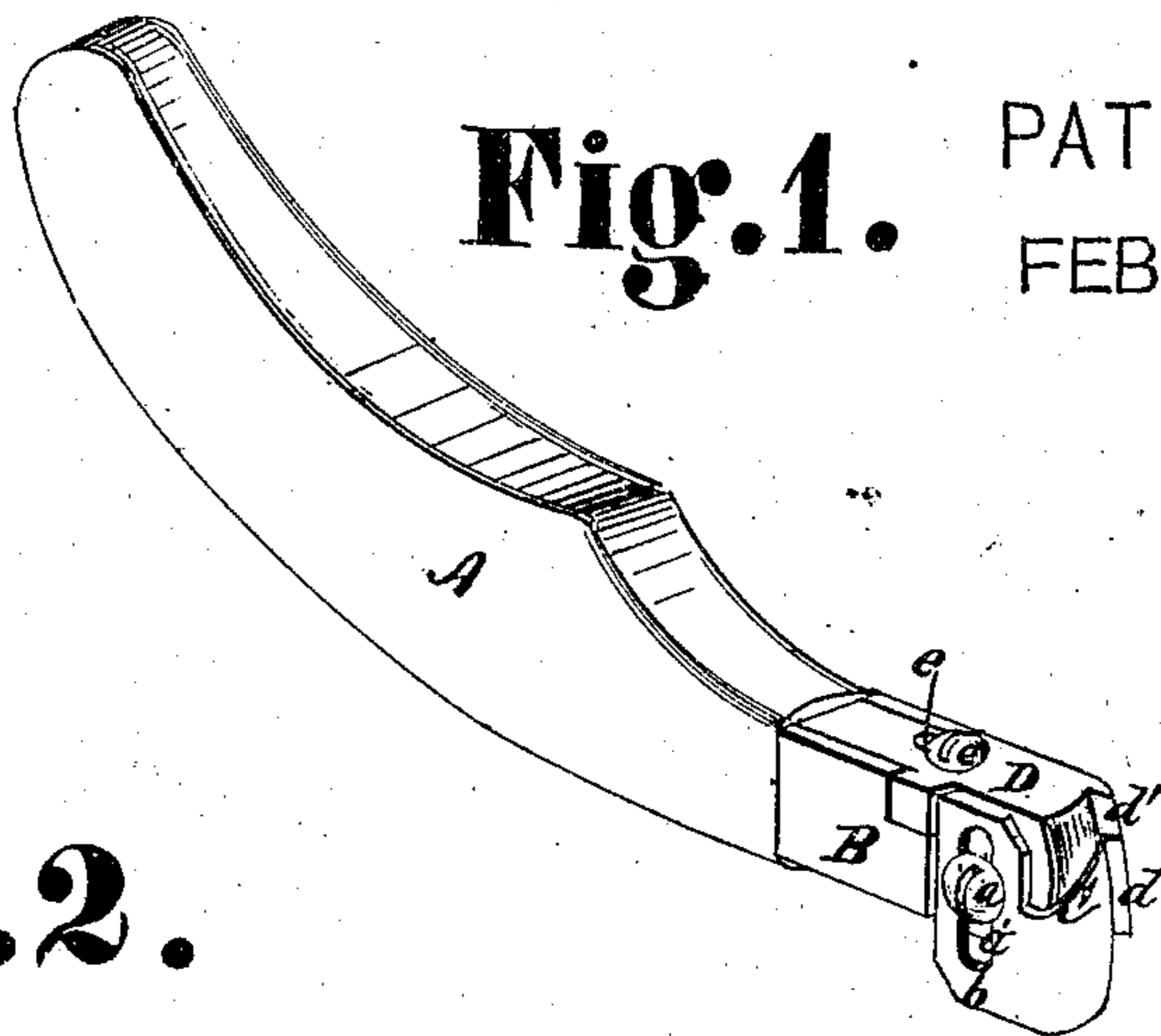


Fig. 2.

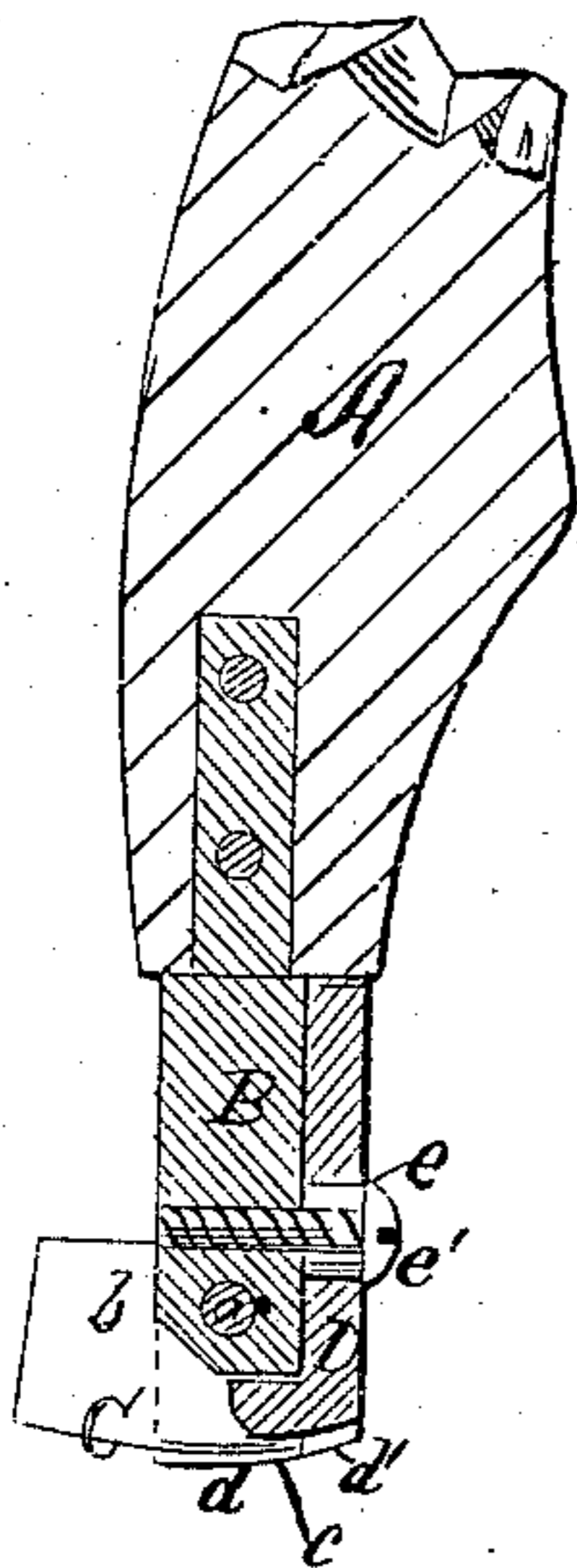
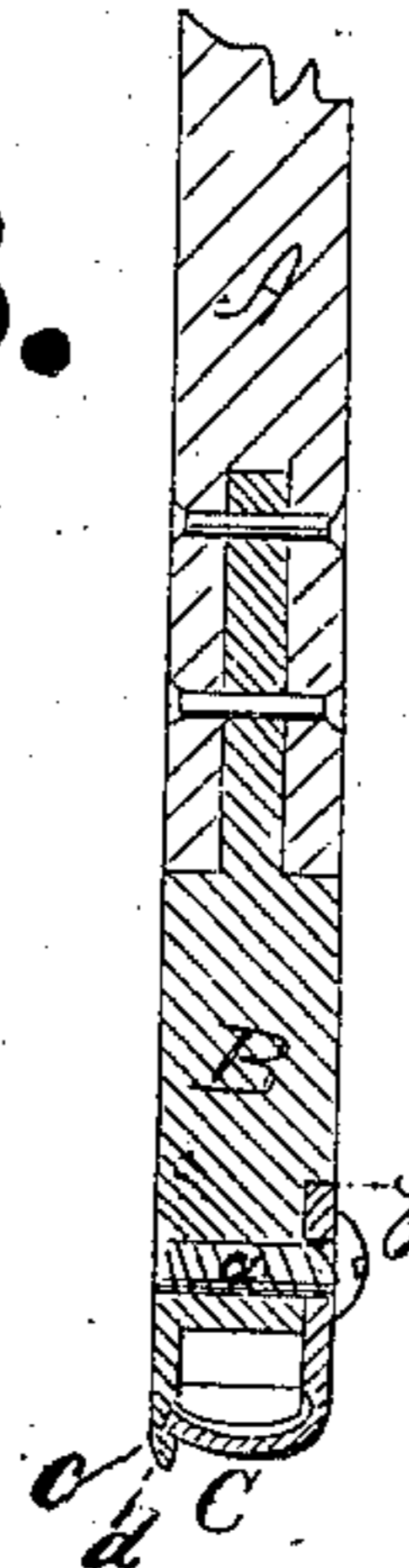


Fig. 3.



Attest.

Charles L. Fisher
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Inventor.

Charles D. McAuley

United States Patent Office.

CHARLES D. McAULEY, OF CARTHAGE, OHIO, ASSIGNOR TO HIMSELF AND
GEORGE W. KAYLOR, OF THE SAME PLACE.

Letters Patent No. 74,561, dated February 18, 1868; antedated February 10, 1868.

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 D. McAULEY, of Carthage, in the county of Hamilton, and State of Ohio, have invented a new and useful Improvement in Edge-Planes for shoemakers, of which the following is a full and clear description, reference being had to the accompanying drawings, making part of this specification.

The nature of my invention consists in the construction of and manner of adjustment of the blade of the edge-plane for the purpose of limiting the depth of cut made on the soles of shoes or boots previous to the final process of burnishing.

Figure 1 is a perspective view of my improved edge-plane.

Figure 2 is a longitudinal section of the same, where the section is made transversely to the cutting-edge of the instrument.

Figure 3 is a longitudinal section of the edge-plane, taken through the blade, and its set-screw parallel to the cutting-edge.

A is the handle of the edge-plane, having firmly secured to it, by means of rivets or otherwise, the shank of stock B, which is made of iron or other suitable material. The concave cutting-blade C is secured to the stock B by the set-screw *a*, passed through a slot, *a'*, in the returned face *b* of the blade C. The set-screw *a* enters the side of the stock B. The blade C has its cutting-edge bevelled upon the outside, and the free end of the blade remote from the slotted face *b* enters the groove *c* in the guard *d* of the stock B. An adjustable gauge, D, is slotted, *e*, and secured to the stock B by the set-screw *e'*. It is provided with a guard, *d'*, a continuation of the guard *d* of the stock B. The stock B, as well as the adjustable gauge D, is bevelled off on the inside, to allow a free passage of the parings from the cutting-edge of the instrument.

Operation.

My improved edge-plane is adapted for the use of all shoe and boot-makers. It is used to cut down the rough edges of the soles of shoes and boots previous to the use of the burnisher, which completes the finish. The guards *d d'* enter the groove between the sole and "upper," protecting the latter from the cutting-edge of the plane. When a shallow cut is desired, the set-screw *e'* is liberated, and the gauge D pushed out towards the cutting-blade C, thereby narrowing the space between the blade and the gauge. When a deep cut is required, the gauge D is withdrawn from the edge of the blade C. The cutting-blade C may be readily removed from the stock B by taking out the set-screw *a*, and may be sharpened on the outer or convex face, which is preferable, for the reason that the shaving removed from the sole of the boot or shoe will pass straight back, and not curl up and finally clog the instrument. As the blade wears down, an adjustment is readily made by means of the set-screw *a*. The blade C is entered in the groove *c* on the inside face of the guard *d*. This construction precludes the possibility of obstruction to the free passage of the paring or shavings taken from the edge of the sole of the shoe or boot by contact with the corner of the cutting-blade C, thus making the operation easier, and improving the finish of the article operated on.

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

1. The concave cutting-blade C, the edge being bevelled or sharpened on the outside, and having the returned face *b* slotted for the purpose of securing it in any desirable position to the stock B, substantially in the manner herein shown.

2. The adjustable gauge D, provided with the slot *e* and guard *d'*, when secured to the stock B or its equivalent, for the purpose set forth.

3. The stock B, having the guard *d* and groove *c*, in combination with the adjustable gauge D, cutting-blade C, and set-screws *e'* and *a*, when the same are constructed and arranged in the manner and for the purpose herein described and set forth.

CHARLES D. McAULEY.

Witnesses:

CHARLES L. FISHER,
GEO. W. KAYLOR,
JOHN H. BOGART.