

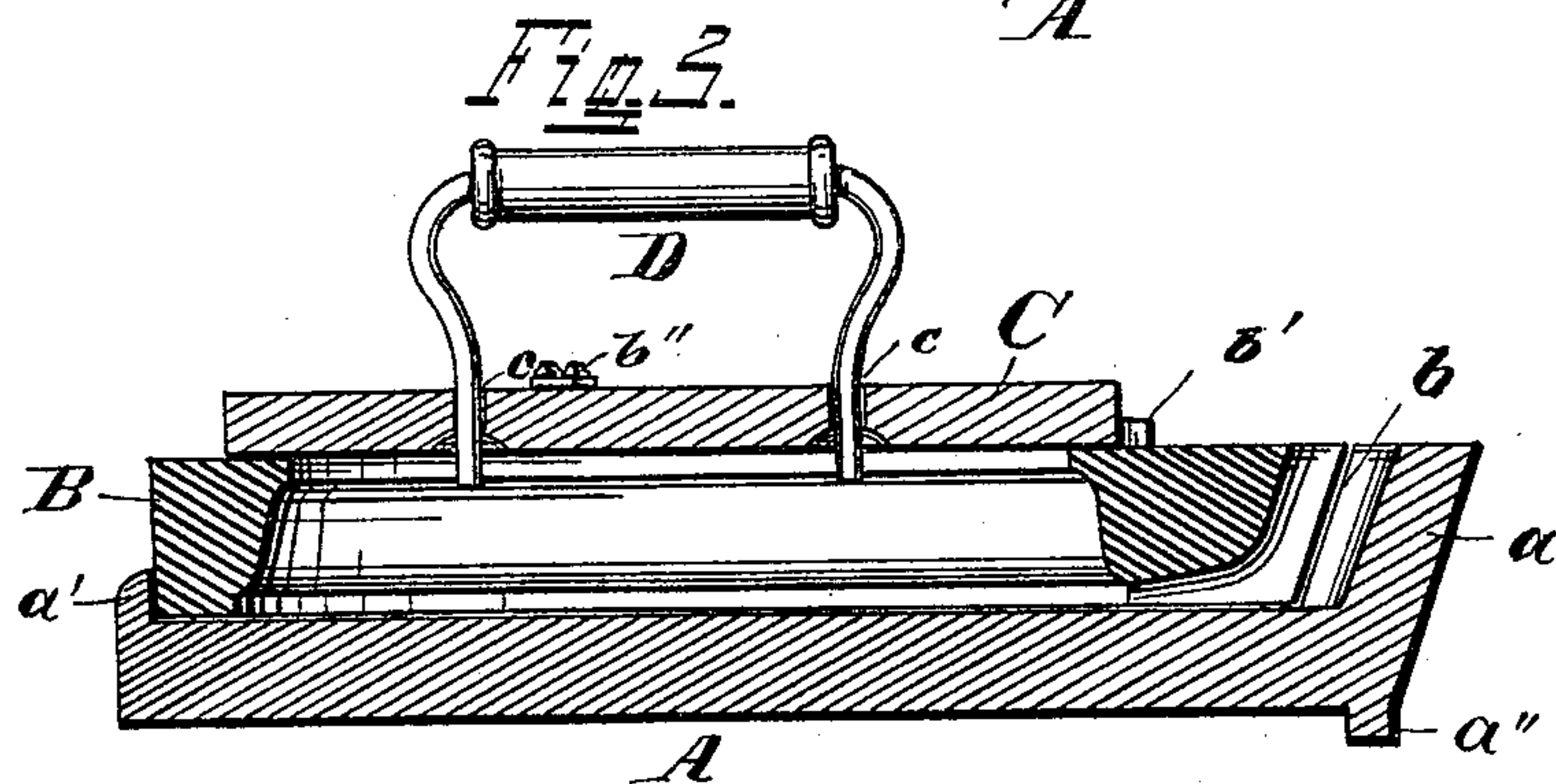
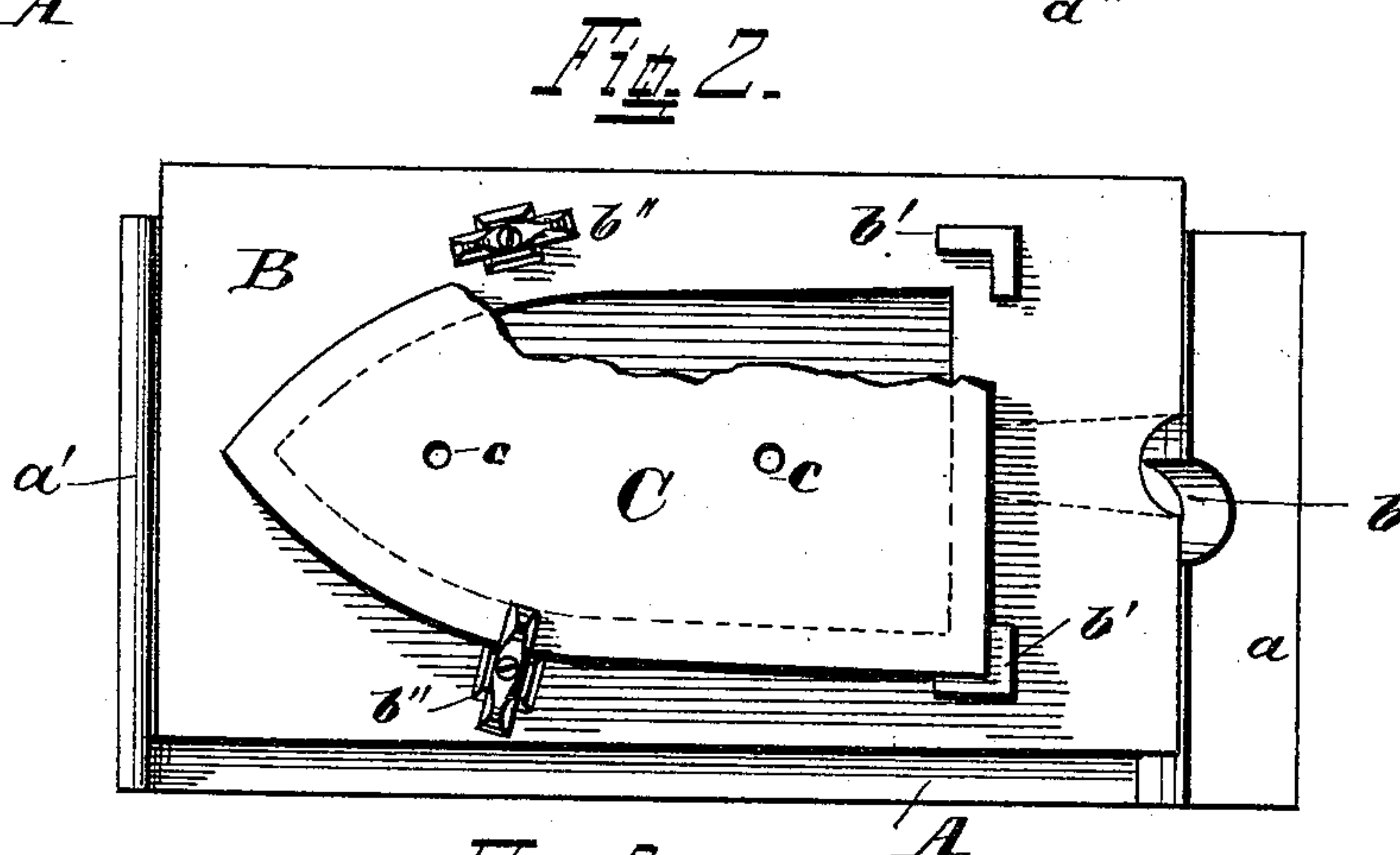
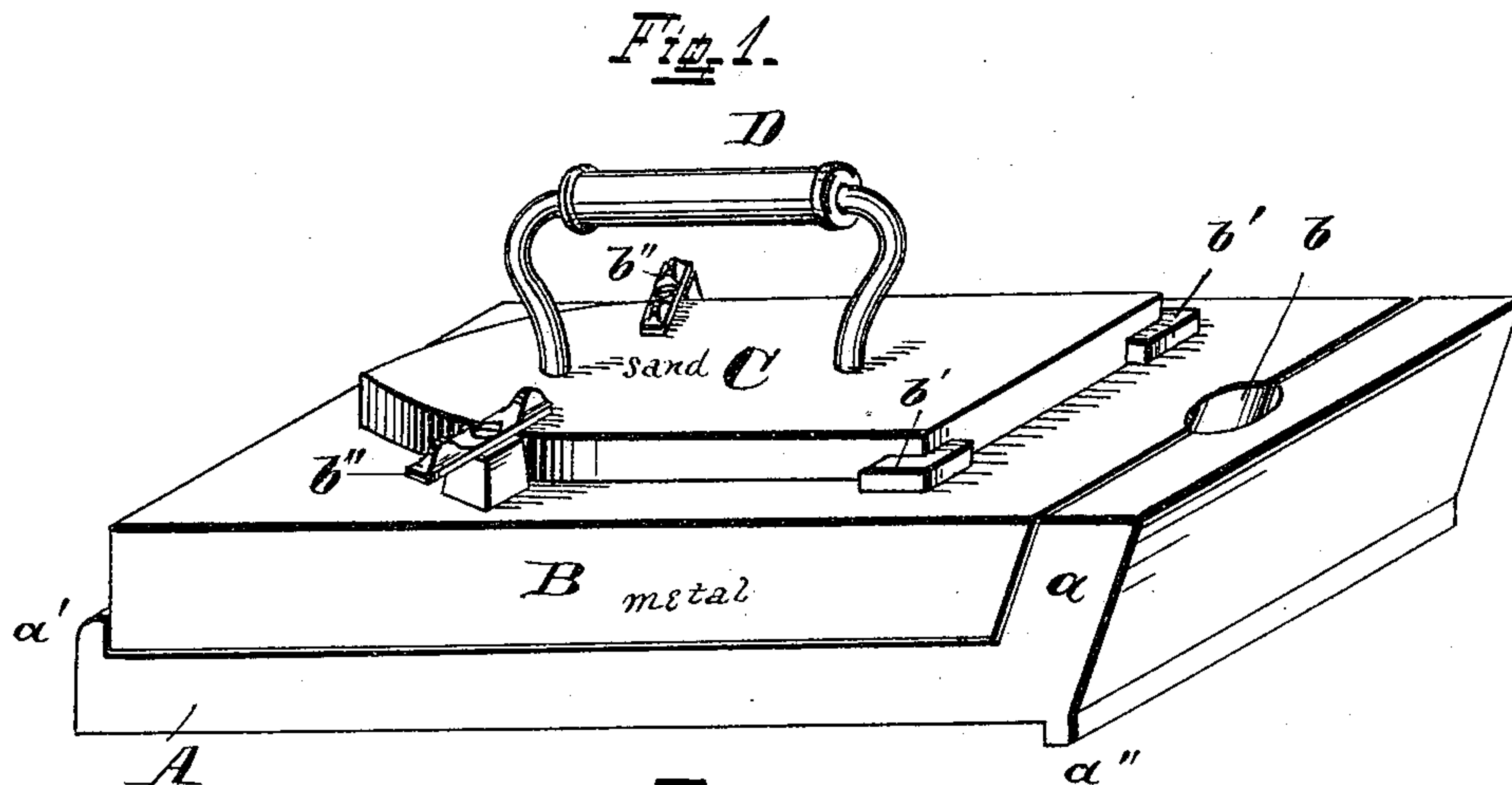
(No Model.)

S. H. PERIN.

SAD IRON MOLD.

No. 329,943.

Patented Nov. 10, 1885.



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# UNITED STATES PATENT OFFICE.

SAMUEL H. PERIN, OF JEFFERSONVILLE, INDIANA.

## SAD-IRON MOLD.

SPECIFICATION forming part of Letters Patent No. 329,943, dated November 10, 1885.

Application filed June 6, 1885. Serial No. 167,829. (No model.)

*To all whom it may concern:*

Be it known that I, SAMUEL H. PERIN, a citizen of the United States, residing at Jeffersonville, in the county of Clarke and State of Indiana, have invented certain new and useful Improvements in Sad-Iron Molds, of which the following is a specification.

My invention consists in a mold for casting sad irons, composed of metallic bed and body pieces and a frangible top piece adapted to support the handle of the iron.

In the drawings, Figure 1 is a perspective view of sad-iron mold embodying my invention; Fig. 2, a top plan view of the same, a part of the upper section of the mold being cut away; and Fig. 3, a section on the line 3 3 of Fig. 2.

The mold is made in three sections, of which the bed and middle section or body are of iron and the upper section of sand. The bed A has a flat surface, upon which the bottom of the iron is formed. At one end of A there is an upwardly-sloping projection, *a*, and at the other end a ledge, *a'*. The middle section or body, B, is preferably solid, the interior being the reverse in form of the sides of the iron to be cast, and one end slopes at an angle to correspond with the upwardly-sloping projection *a*, the projection *a* and the ledge *a'* serving as guides for placing and holding the body in position. At a suitable point, preferably in the line of junction between *a* and B, is an opening, *b*, extending to the interior of B, which serves as the ingate.

C is a sand mold, having apertures *c c* to receive the ends of the handle D. The openings *c c* are preferably countersunk at the under

side. Upon the top of the bed B are placed guides *b'*, which aid in placing and retaining the sand mold in position. Buttons or clamps *b''* lock the sand mold against displacement.

As it is desirable to have the bed slope from the ingate, the end next the ingate is raised slightly by a step, *a''*, or otherwise. The body B being in its position upon the bed A, and the sand mold C in its position upon the body B, the ends of the handle D are inserted in the apertures *c c*, so as to extend slightly below the lower surface of C. The molten metal is then poured in at *b*. When the iron is formed, the body of the mold is lifted or slid from the bed, the handle of the iron serving as a handle by means of which the body piece may be moved. The sand mold then being broken away, the handle is free to pass downward through the body-piece.

I claim as my invention—

1. In a mold for casting sad-irons, the combination of a metallic bed-piece and a metallic body-piece provided with a suitable ingate with a frangible top having apertures for and supporting the handle of the sad-iron, substantially as described.

2. The combination, in a mold for casting sad-irons, of a metallic bed-piece, A, having at one end an upwardly-sloping projection, *a*, the body-piece B, provided with an ingate, *b*, and guides *b'*, and the sand mold C, provided with apertures *c c*, substantially as and for the purpose set forth.

S. H. PERIN.

Witnesses:

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ALBERT A. CASTLE.