

(No Model.)

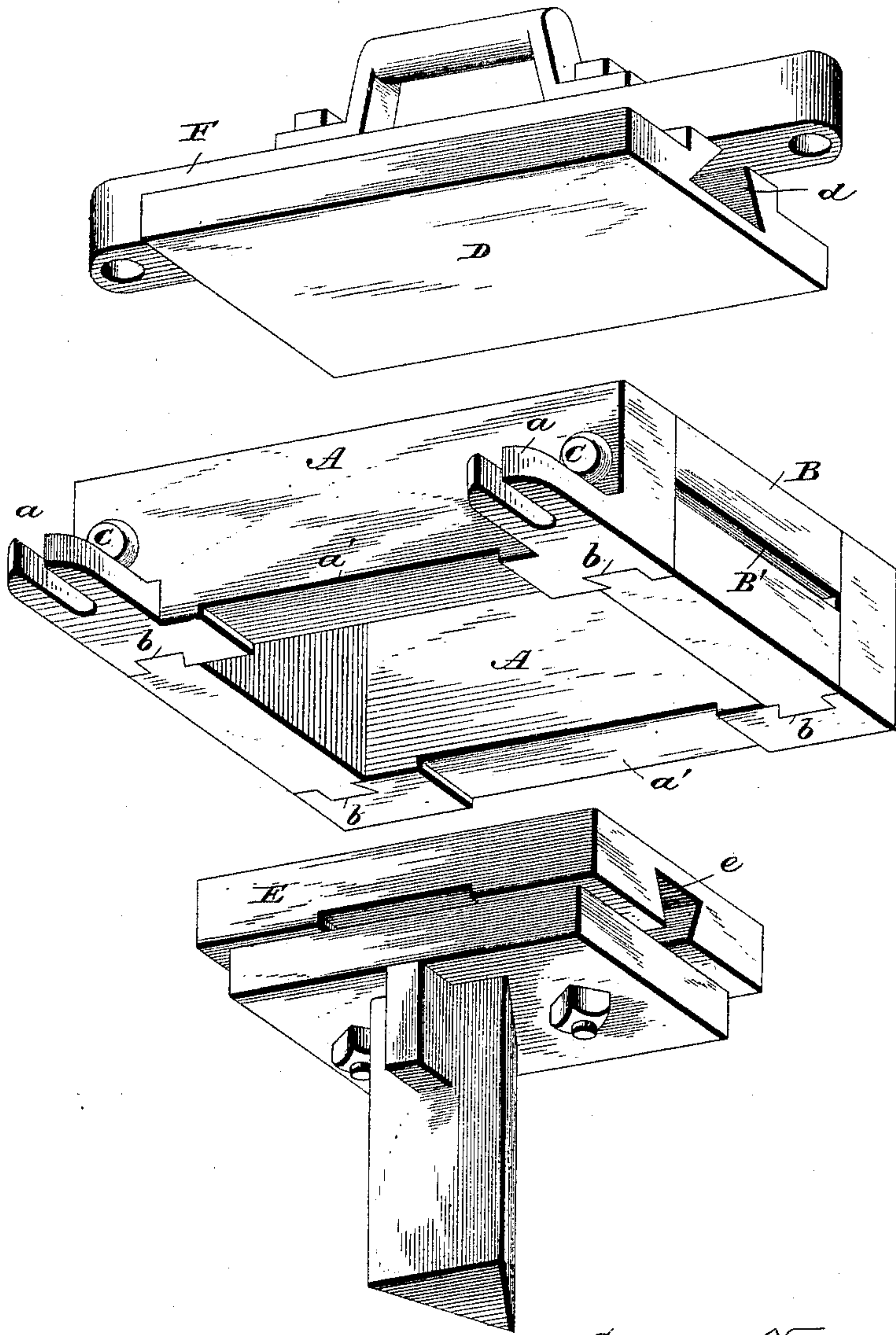
2 Sheets—Sheet 1.

G. W. BRINHAM, Jr. & A. HAHN.
BRICK MOLD.

No. 436,692.

Patented Sept. 16, 1890.

Fig. 1.



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Adam Hahn

Inventor

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Witnesses

G. S. Elliott.

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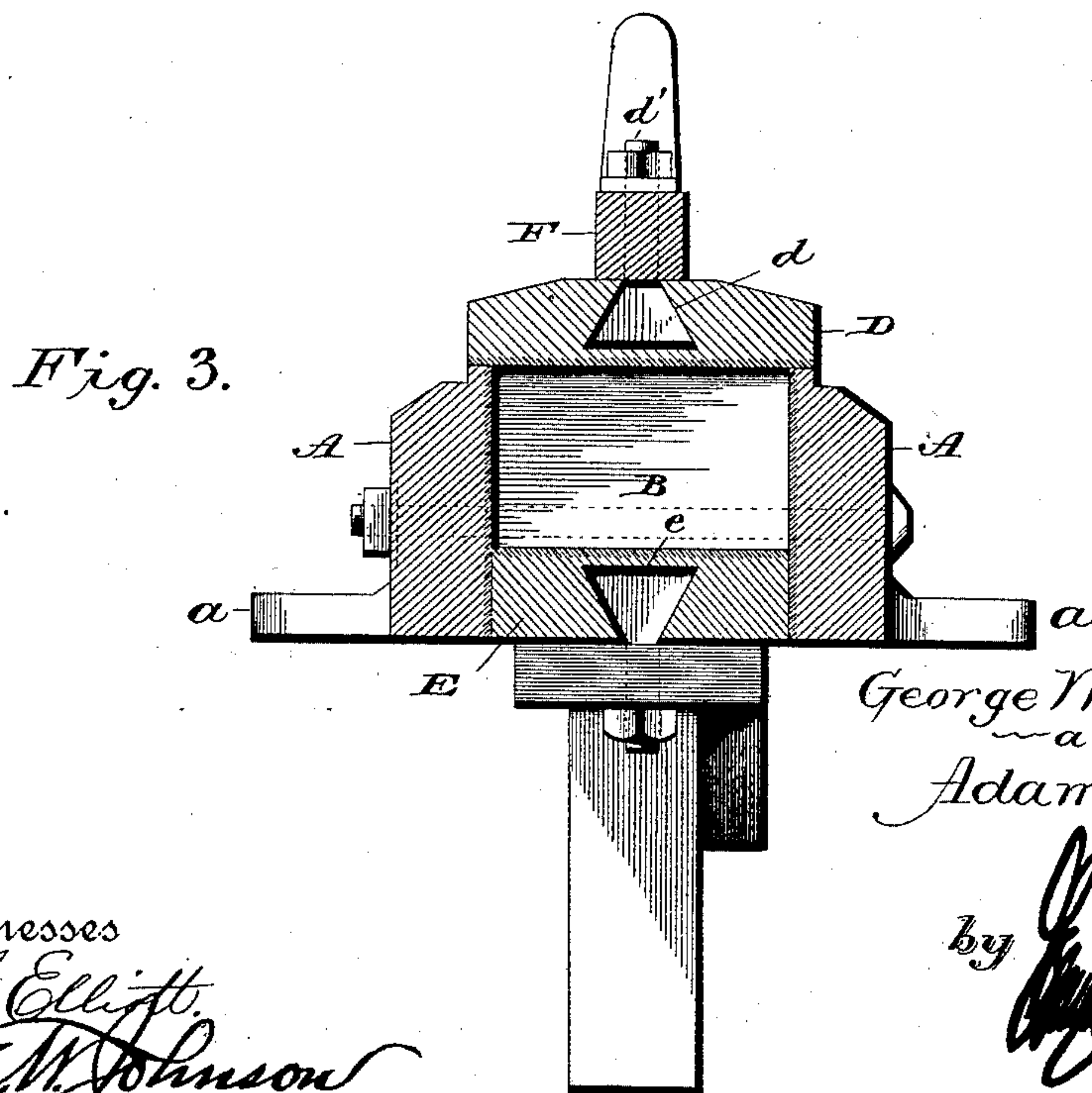
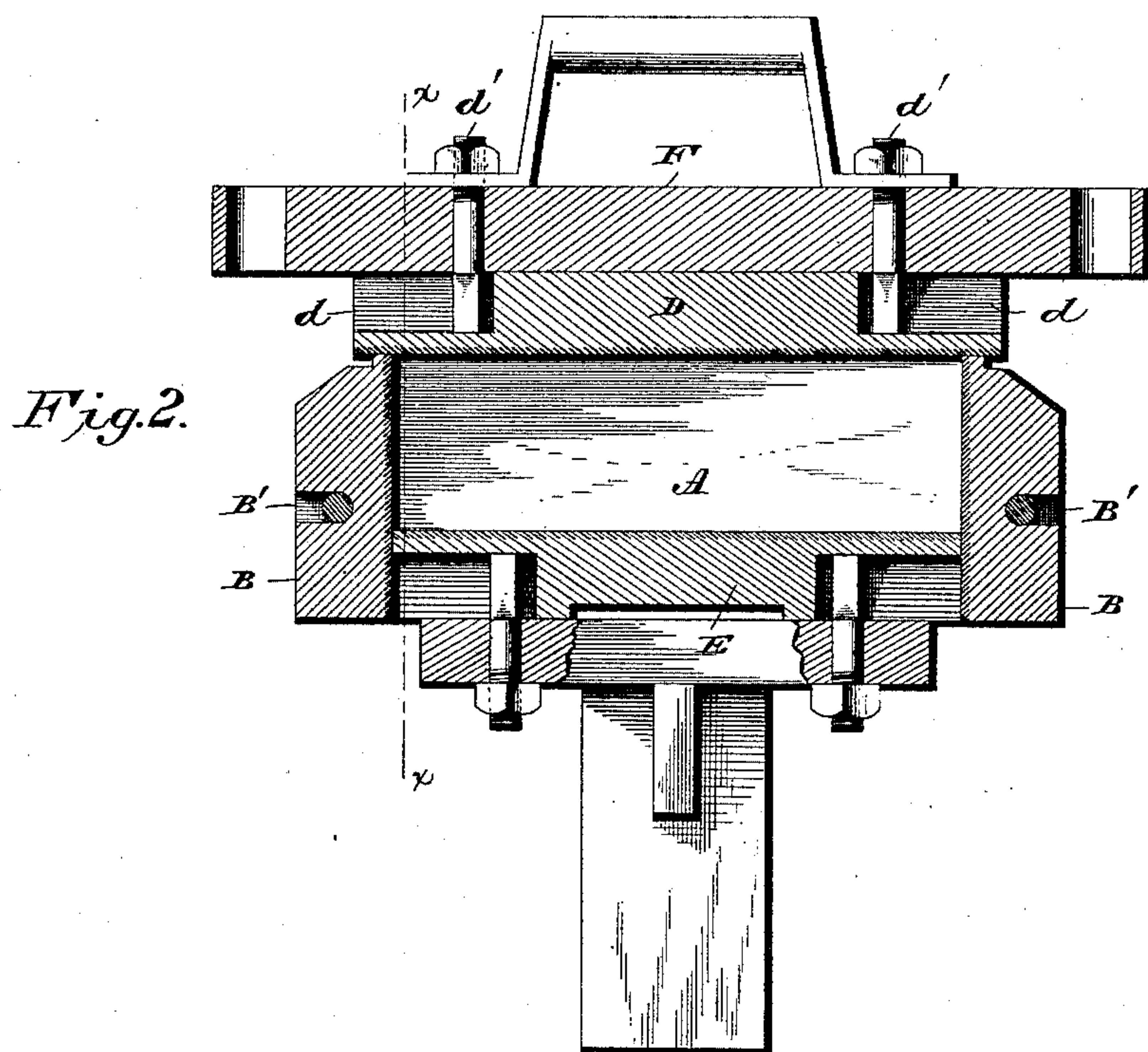
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2 Sheets—Sheet 2.

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UNITED STATES PATENT OFFICE.

GEORGE WILLIAM BRINHAM, JR., AND ADAM HAHN, OF KEYSTONE JUNCTION,
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BRICK-MOLD.

SPECIFICATION forming part of Letters Patent No. 436,692, dated September 16, 1890.

Application filed January 30, 1890. Serial No. 338,546. (No model.)

To all whom it may concern:

Be it known that we, GEORGE WILLIAM BRINHAM, Jr., and ADAM HAHN, citizens of the United States of America, residing at
5 Keystone Junction, in the county of Somerset and State of Pennsylvania, have invented certain new and useful Improvements in Brick-Molds; and we do hereby declare the following to be a full, clear, and exact description of the
10 invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this
15 specification.

Our invention relates to brick-molds or press-boxes; and it consists in the improved construction hereinafter described and set forth.

20 In the accompanying drawings, Figure 1 is a perspective view of the brick-mold and parts which operate in connection therewith, which are shown slightly separated and partly in section to better illustrate the construction.
25 Fig. 2 is a vertical sectional view, and Fig. 3 is a transverse section taken through the line $x x$ of Fig. 2.

A refers to the longitudinal side pieces of the mold, which are provided with lugs a at
30 their lower ends, having open-ended slots, as shown. The under sides of these side pieces are cut away centrally at a' , while the upper side is beveled at its outer edge, the inner edge being extended slightly to form a bead.
35 The ends of the side pieces A are recessed, as shown at b , one wall being inclined, while the opposite one is straight, and within these recesses lie the ends of the pieces B of the mold, which are shaped to correspond with said recesses and held therein by a bolt C, which lies
40 within the recess B' formed in the end pieces. This bolt passes through perforations in the side pieces A.

45 The box or mold is made up of four pieces, secured to each other by two bolts, and these pieces are made of cast-iron, the inner surfaces being chilled in the process of manufacture, and by this method of construction I provide a box or mold which has a smooth inner sur-

face of great durability; but as even such a
50 box will wear in use the parts are so connected that they can be readily removed and the chilled surfaces planed, while the softer portions can be filed down, so as to be refitted at slight expense.

55 The top plate D is also made of cast metal having the face thereof chilled, and is provided centrally near the ends with open-ended dovetailed recesses d , within which lie the angular heads of the bolts d' , which are
60 employed for connecting the same to the bar F, of ordinary construction, having end perforations, through which the guide-rods pass. Above this bar F may be secured the handle
65 for manually operating the top plate. The bottom plate E is also provided with similar dovetailed recesses e , in which will lie the heads of the bolts for securing the bottom plate to the frame of the plunger.

70 Heretofore it has been proposed to provide brick-molds with a lining of sheet metal adapted to be secured within the frame by bolts; but practice has shown that these bolts are liable to become loose and form impres-
75 sions or lines upon the bricks. Moreover, when said plates are worn they can only be adapted for reuse by reversing, and no provision is made for adjusting the box itself, whereas with my improved construction the
80 inner surfaces of the mold and top and bottom plates are perfectly smooth and are not intersected by perforations or the heads of bolts. By chilling the faces of the metal sections of the mold, as aforesaid, they are better able to resist the wearing action of the sand and
85 grit contained in the clay material, and, finally, when so worn the joints of the parts are so disposed that they can be reduced to take up the wear of the faces and bring them again into their original relative position.

90 Having thus described our invention, we claim—

1. The combination, in a brick-mold, of the side pieces A A, having slotted lugs formed integral therewith, and recesses b , having
95 straight and angular walls, as described, and end perforations for the reception of securing-bolts, the end pieces B, with tenons adapted

to lie in the recesses *b*, and horizontal recesses *B'*, within which the body of the securing bolt lies, together with securing-bolts, substantially as set forth.

- 5 2. The combination, in a brick-mold, of the side pieces *A A*, having slotted lugs formed integral therewith, and recesses *b*, having straight and angular walls, as described, and perforations for the reception of securing-bolts,
10 the end pieces *B*, with tenons adapted to lie in the recesses *b*, and horizontal recesses *B'*,

within which the body of the securing-bolt lies, the side and end pieces being cast and provided with integral chilled inner faces, substantially as set forth.

In testimony whereof we affix our signatures
in presence of two witnesses.

GEORGE WILLIAM BRINHAM, JR.
ADAM HAHN.

Witnesses:

JOHN H. BISEL,
WILLIAM J. GRIFFITH.