

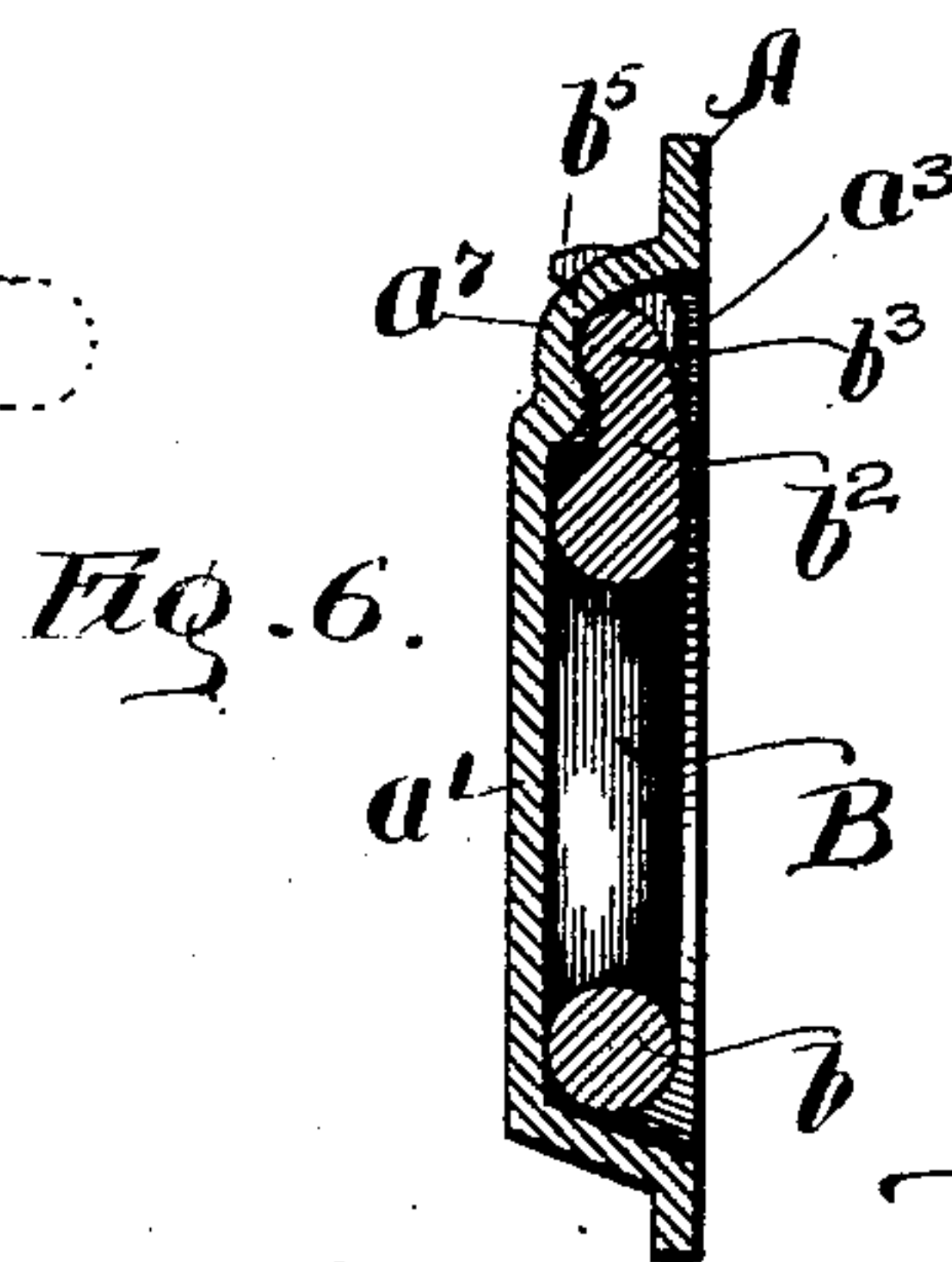
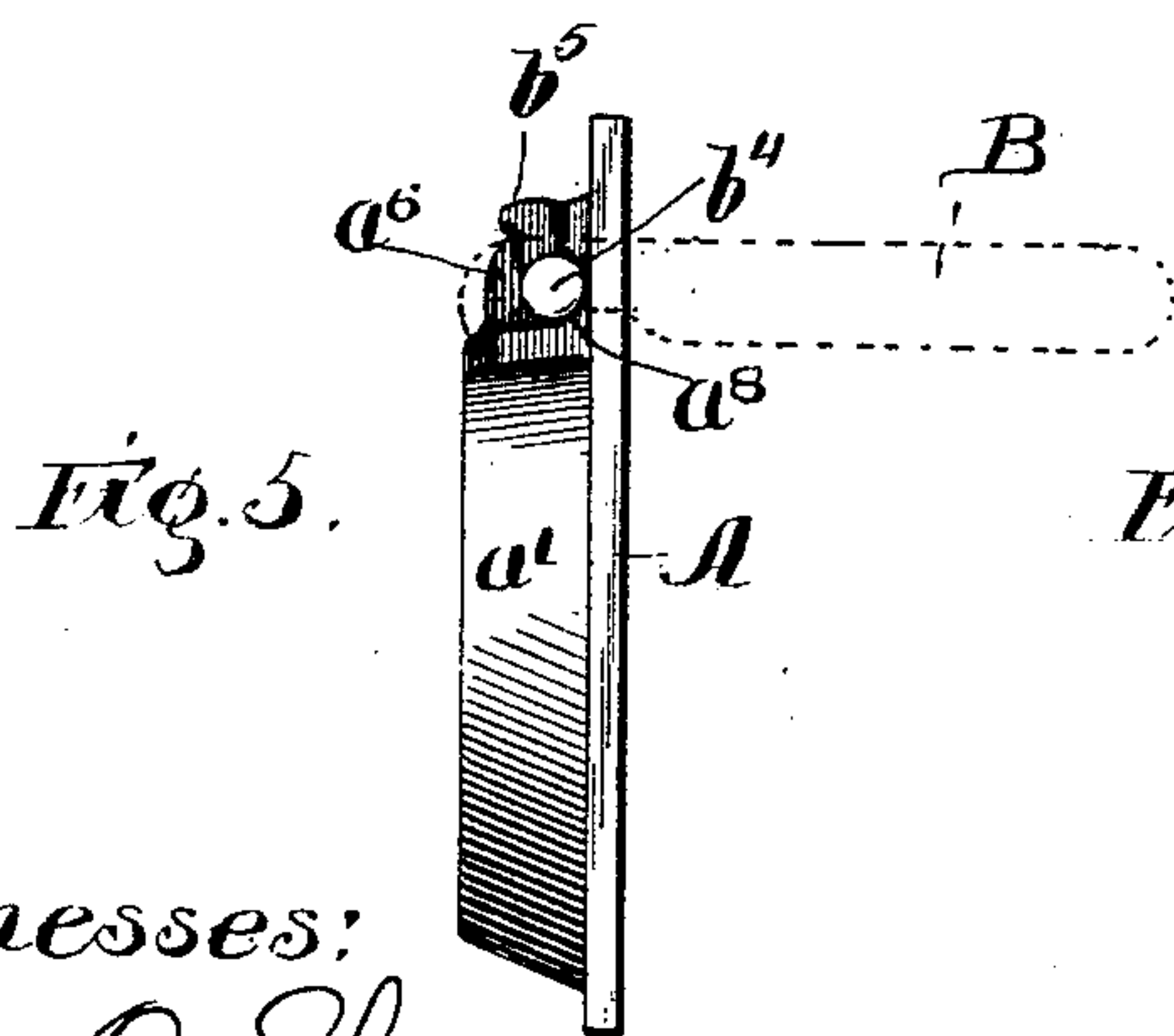
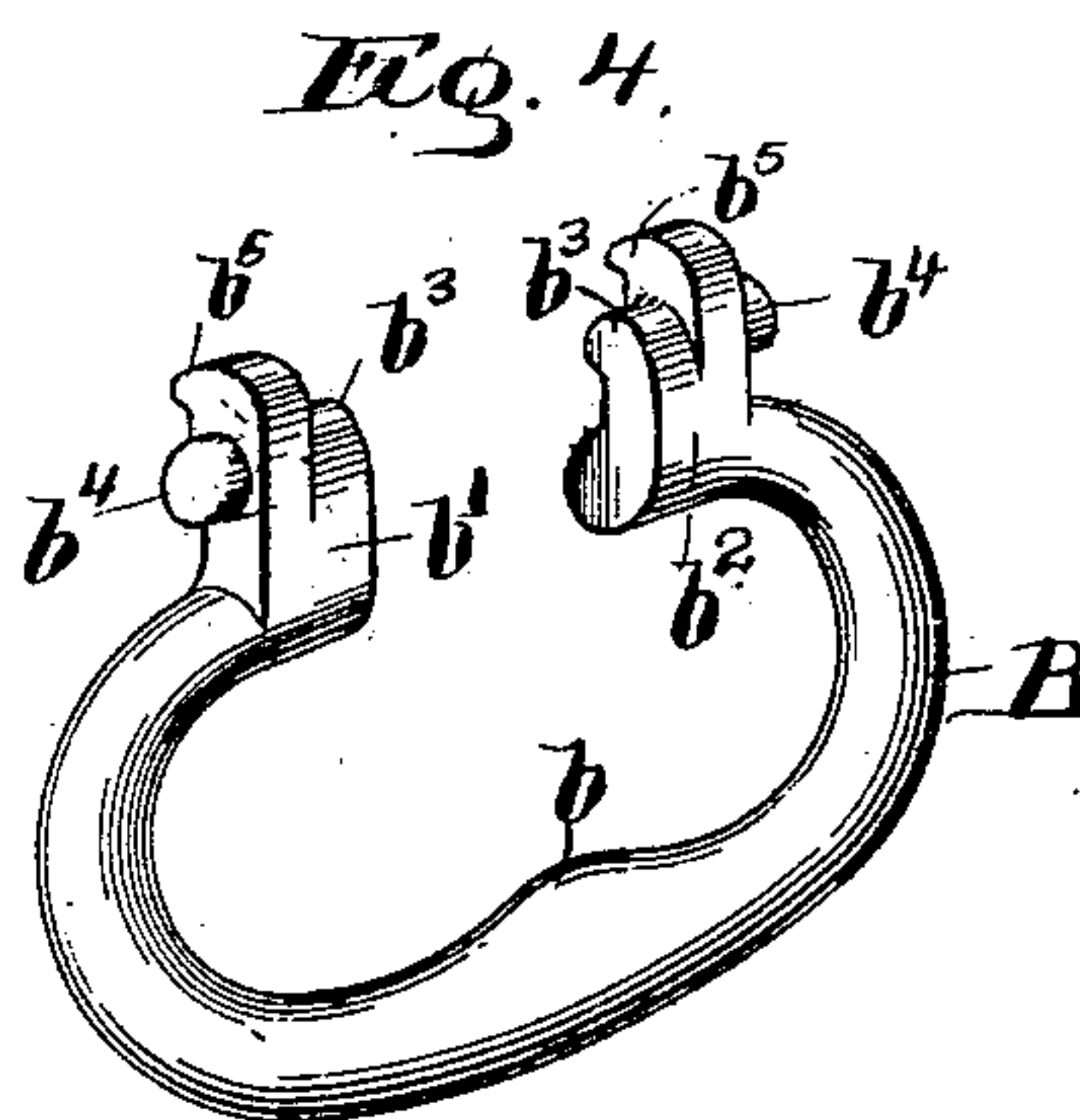
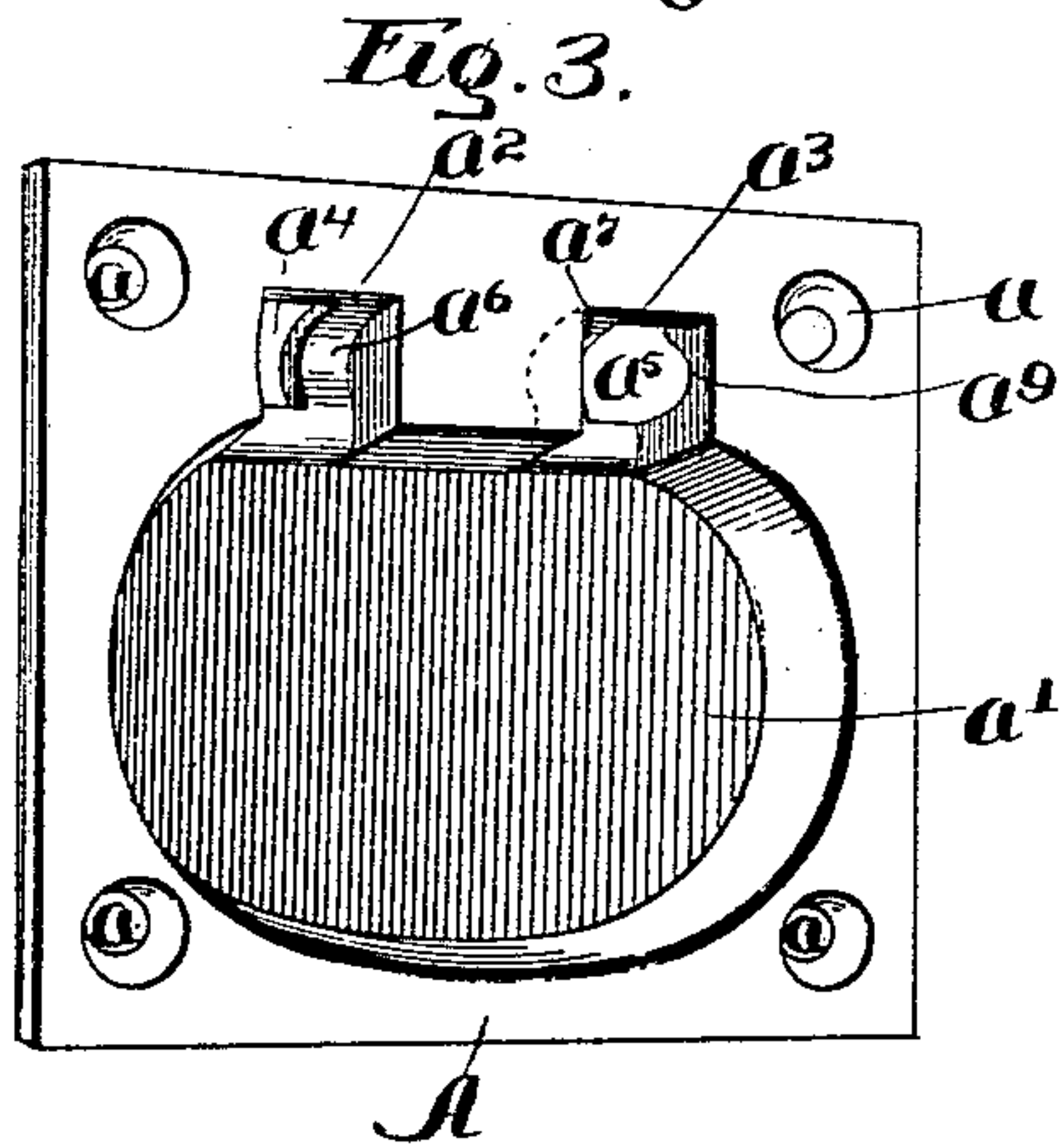
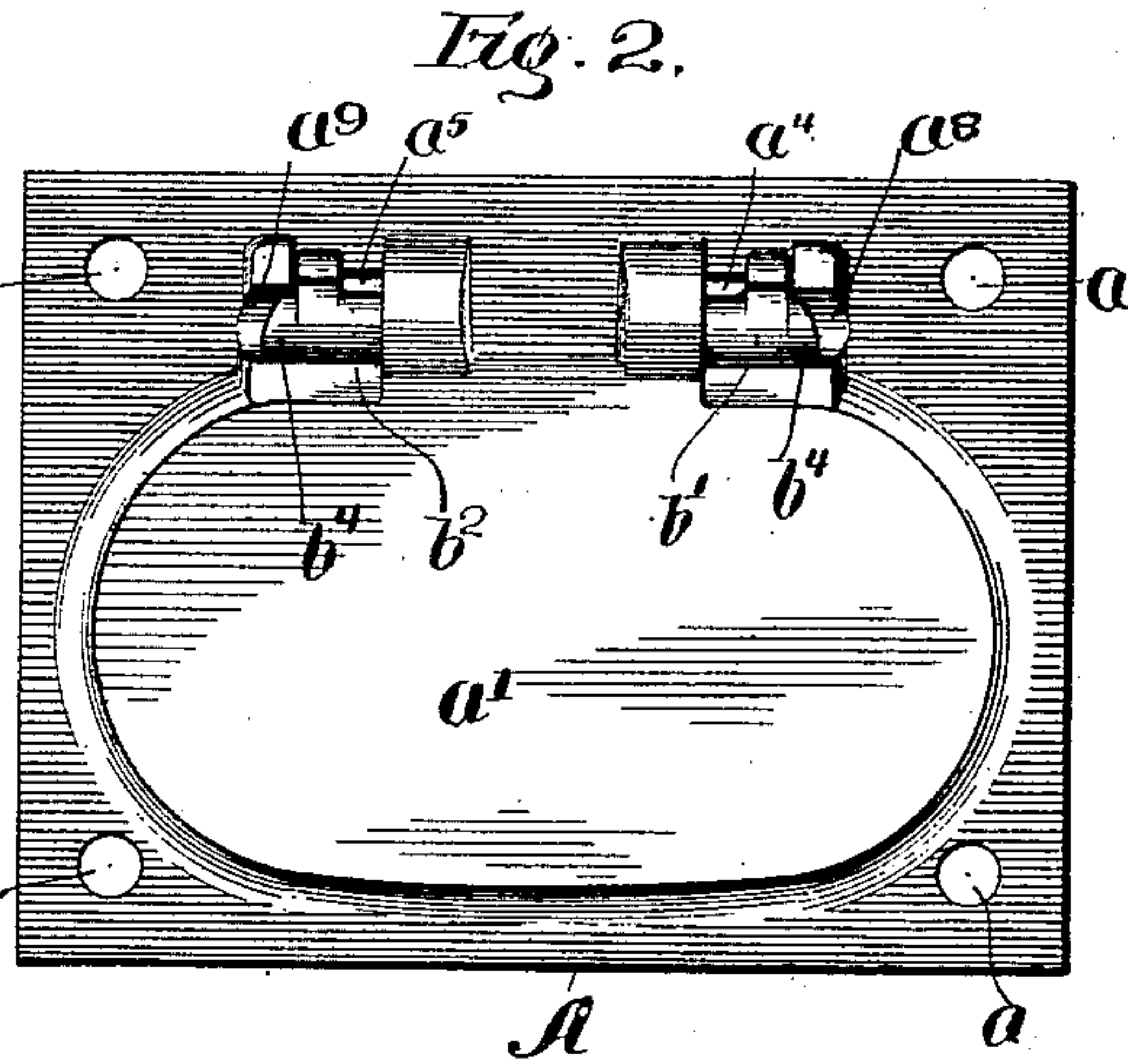
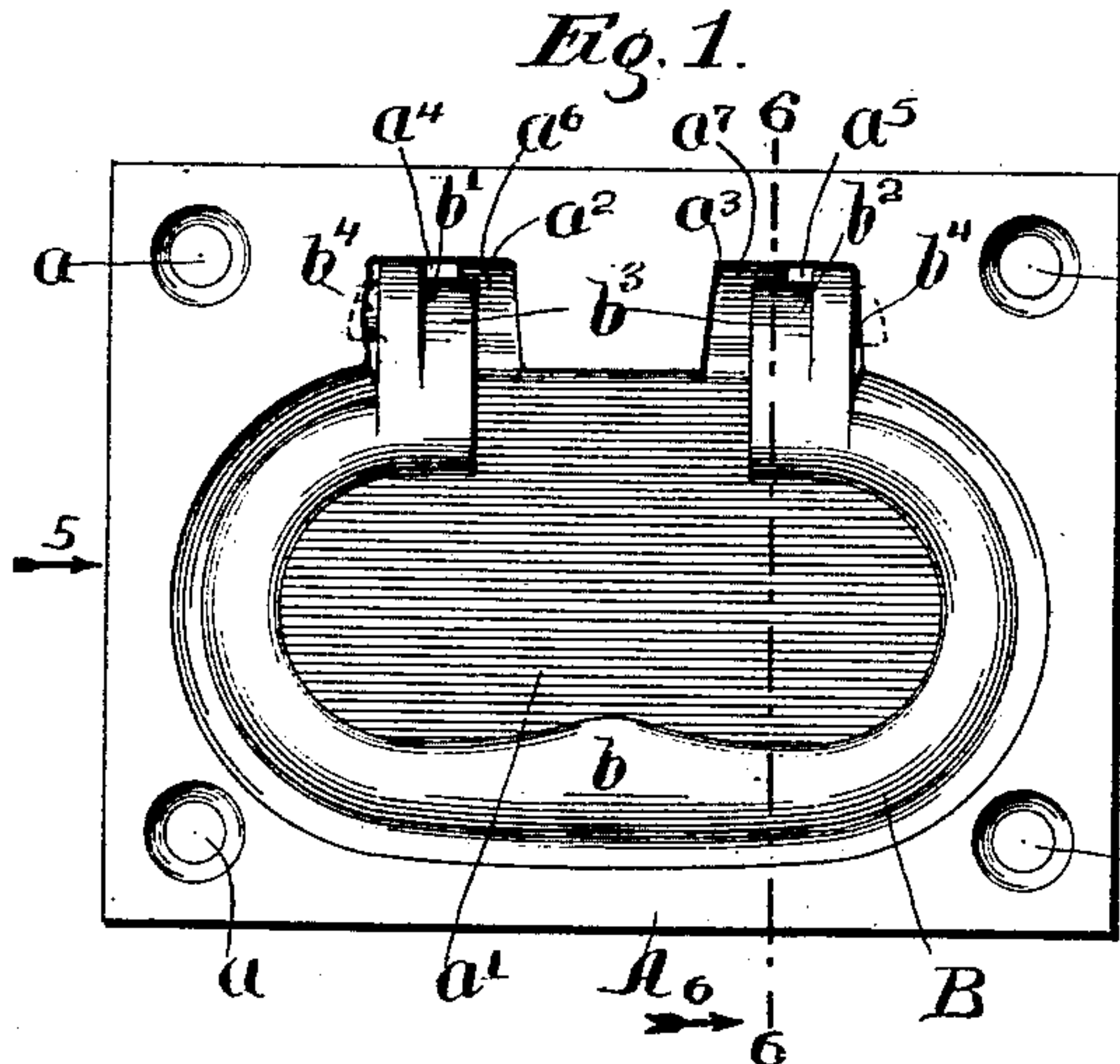
No. 630,886.

Patented Aug. 15, 1899.

A. S. HELD.  
BOX HANDLE.

(Application filed Dec. 15, 1898.)

(No Model.)



Witnesses:  
Chas. O. Sherway  
J. Bliss

Inventor:  
August S. Held  
by Miles, Erue & Pitman  
Attys.



# UNITED STATES PATENT OFFICE.

AUGUST S. HELD, OF FREEPORT, ILLINOIS, ASSIGNOR TO THE STOVER  
MANUFACTURING COMPANY, OF SAME PLACE.

## BOX-HANDLE.

SPECIFICATION forming part of Letters Patent No. 630,886, dated August 15, 1899.

Application filed December 15, 1898. Serial No. 699,334. (No model.)

*To all whom it may concern:*

Be it known that I, AUGUST S. HELD, a citizen of the United States of America, residing at Freeport, in the county of Stephenson and State of Illinois, have invented certain new and useful Improvements in Box-Handles, of which the following is a specification.

My invention relates to certain improvements in box-handles, the object of which is to reduce the cost of manufacturing the same; and to such end the invention consists in certain features of construction by means of which I am able to make each handle of two pieces so formed as to be readily cast or stamped in the simplest manner.

The drawings show six views of a handle illustrating my invention, of which—

Figure 1 is a face view; Fig. 2, a rear view; Fig. 3, a perspective of the plate; Fig. 4, a perspective of the handle; Fig. 5, an end view looking from the arrow 5 of Fig. 1; and Fig. 6 is a vertical section in line 6 6 of Fig. 1, looking in the direction of the arrow 6.

Referring to the drawings, A is a plate provided with the ordinary countersunk screw-holes  $a$  and with a recess  $a'$ , such as is commonly used to receive the handle portion to prevent the latter from projecting from the end of the box. Along the upper edge of this recess are two sockets  $a^2 a^3$ , in the bottom of which are openings  $a^4 a^5$ , adjacent to which upon their inner sides are two bearings  $a^6 a^7$  upon the outer face of the plate, and upon the outer sides of the openings are two bearings  $a^8 a^9$  upon the rear of the plate, these bearings or bearing-surfaces being shaped to fit the portions of the handles which are to rest and turn therein. The handle itself, B, has a grip  $b$  and two legs  $b' b^2$  extending into the sockets  $a^2 a^3$ . From the opposite edges of each leg extend pivotal portions  $b^3 b^4$ , the portion  $b^3$  being properly shaped to engage with and ride upon the bearings  $a^6 a^7$  and the pivotal portions  $b^4$  being adapted to rest and turn in the bearings  $a^8 a^9$ . Each leg is shown as extended beyond the pivotal portions in the form of a hook  $b^5$ , adapted to engage with the lower edge of the opening in its respective socket at the same time that the outer

surface of the leg strikes the top of the socket, giving the handle the desired strength in lifting the box and also assisting in preventing the withdrawal of the handle from the plate by an endwise pull. The sockets in the plate will be seen to be extended toward each other beyond the legs of the handle, and this enables the handle and plate to be put together by springing the two legs of the handle toward each other and thrusting the same into their places in the sockets, where they are held as soon as released by the springing apart of the legs and the engagement of the pivotal portions  $b^4$  with the bearings  $a^8 a^9$ .

The specific construction herein shown and described is the one preferred at present, and in the description of the same I have aimed to point out the exact form and arrangement of the parts therein. I do not, however, limit myself to such specific construction, as I believe that great variation is possible therein without departing from the principle of my invention.

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

1. The combination with a handle having a grip, two legs extending therefrom, and pivotal portions extending laterally from said legs, of a fastening-plate having bearings both upon its face and rear sides in engagement with said pivotal portions of the legs, hinging the latter to the plate, the bearings upon the rear side preventing withdrawal of the handle and the bearings upon the face holding the pivotal portions forward; substantially as described.

2. The combination with a suitable plate, of a handle hinged thereto upon the front side and engaging the rear side by means of oppositely and laterally extending projections, the longitudinal extent of which is within the range of the elasticity of the handle, said plate having perforations of proper size and location to admit the projections upon the legs by springing the handle but not otherwise, whereby the engagement between the handle and the plate may be effected by springing the handle out of its normal shape, bringing it into the proper position with re-



gard to the plate and permitting it to spring back into said normal shape or form; substantially as described.

3. The combination with a handle, having  
5 a grip and two legs extending therefrom, said legs having pivotal portions extending laterally in opposite directions, of a plate provided with a recess to receive the grip, adjacent sockets to receive the legs, perforations to re-  
10 ceive said pivotal portions, said sockets being wider than the legs, to permit of the springing of the latter to enable the pivotal portions to pass into the perforations; substantially as described.

15 4. The combination with a handle having a grip, two legs extending therefrom and pivots extending laterally in opposite directions from the legs, of a plate having sockets to receive the legs wider than the latter, said sockets containing bottom portions adapted to  
20 engage the legs to prevent them from passing backward out of proper position and adja-

cent perforations to permit of the passage of the pivots to engage the rear of the plate; substantially as described. 25

5. The combination with the plate, A, having the recess,  $a'$ , and the sockets,  $a^2$ ,  $a^3$ , containing the perforations,  $a^4$ ,  $a^5$ , and provided with bearing portions,  $a^6$ ,  $a^7$ ,  $a^8$ ,  $a^9$ , of the  
30 handle, B, having the grip,  $b$ , the legs,  $b'$ ,  $b^2$ , provided with the pivotal portions,  $b^3$ ,  $b^4$ , adapted respectively to engage with the bearing portions of the sockets and the hooks,  $b^5$ , adapted to hook over the lower edges of the perforations; substantially as described. 35

In witness whereof I have hereunto set my hand, at Freeport, in the county of Stephenson and State of Illinois, this 30th day of November, A. D. 1898.

AUGUST S. HELD.

Witnesses:

W. A. MERRIFIELD,  
L. W. KILKER.