

(No Model.)

C. G. UDELL.  
ARM COMMODE.

Patented Dec. 14, 1886.

No. 354,364.

Fig. 1.

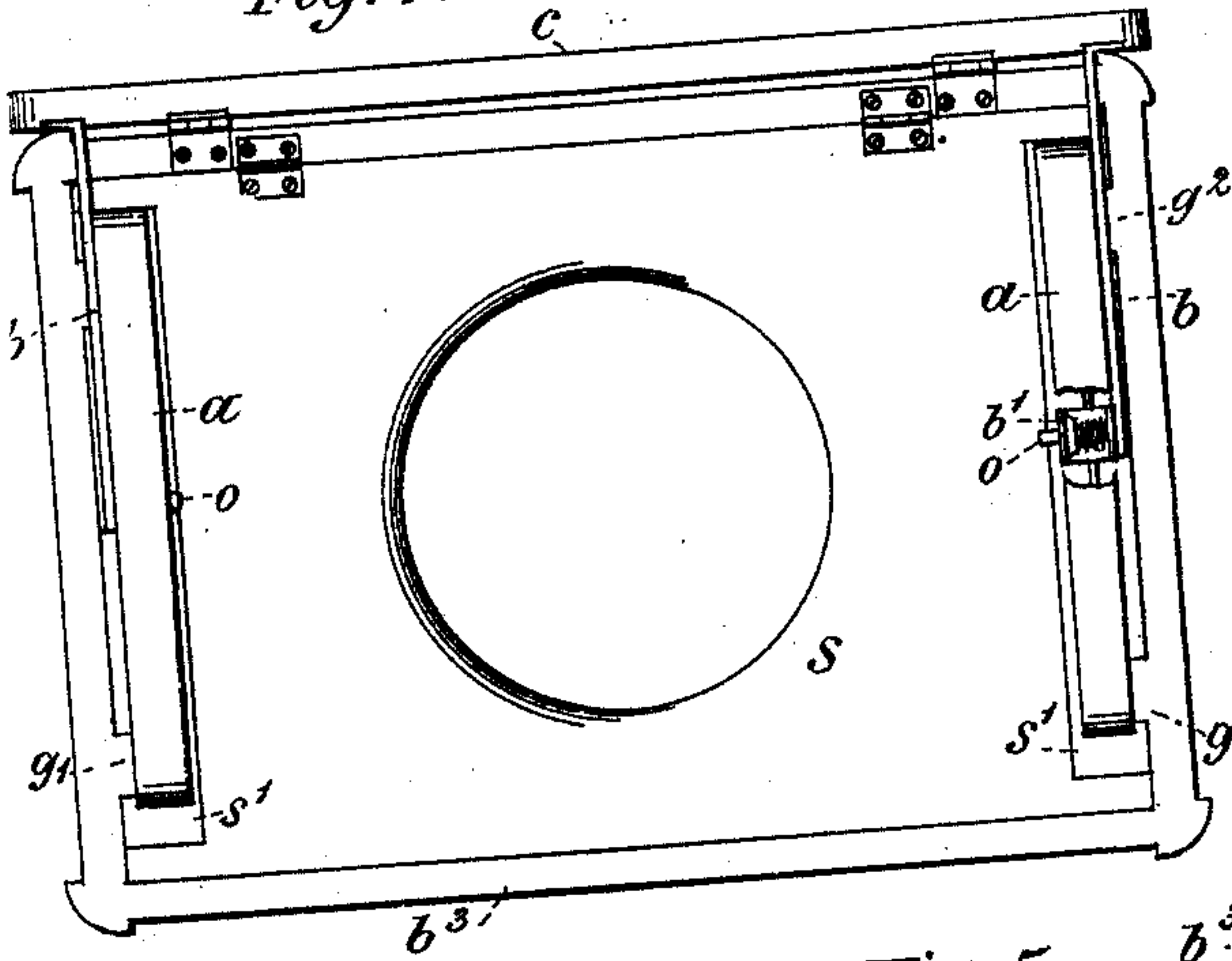


Fig. 2.

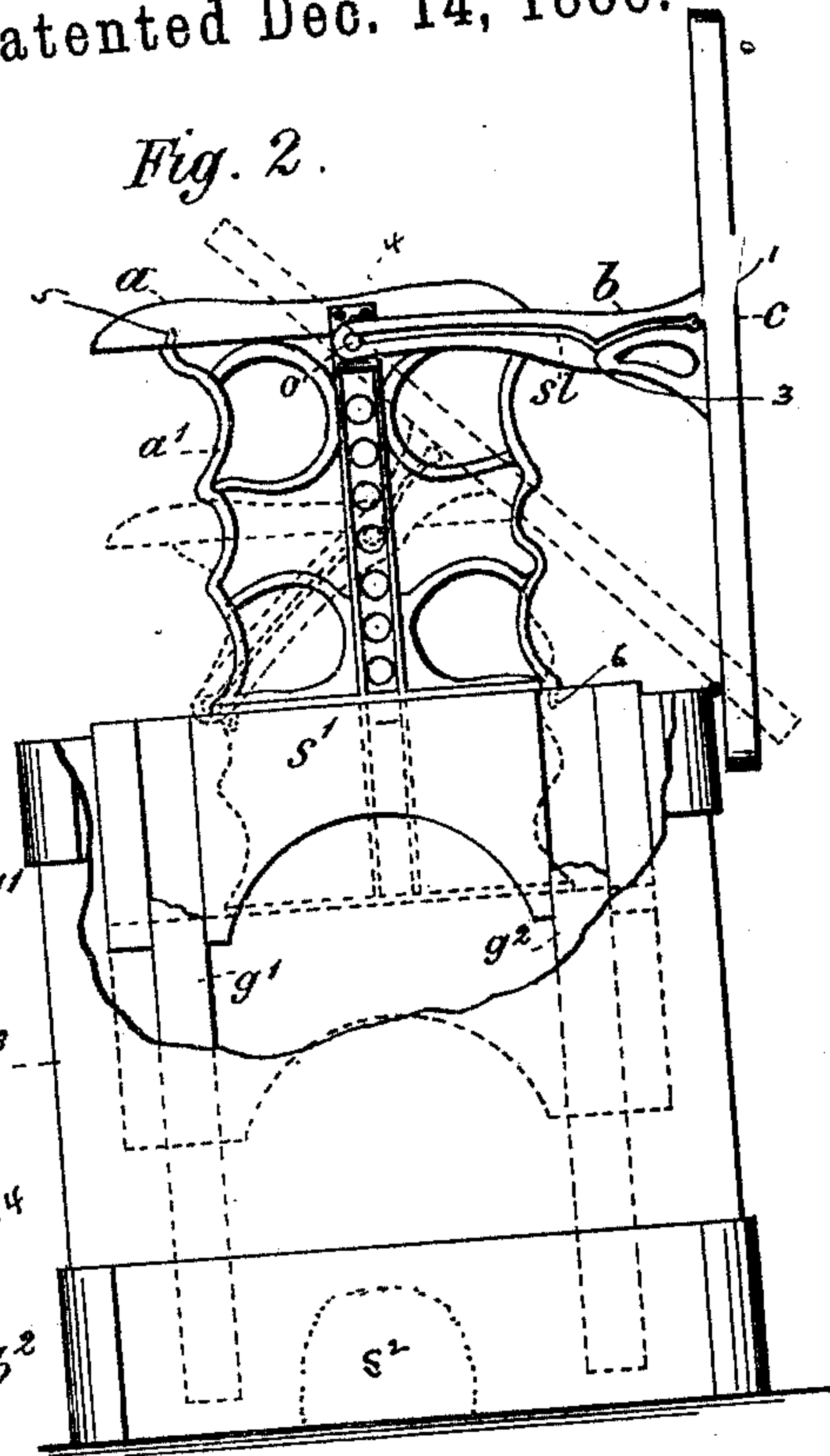


Fig. 3.

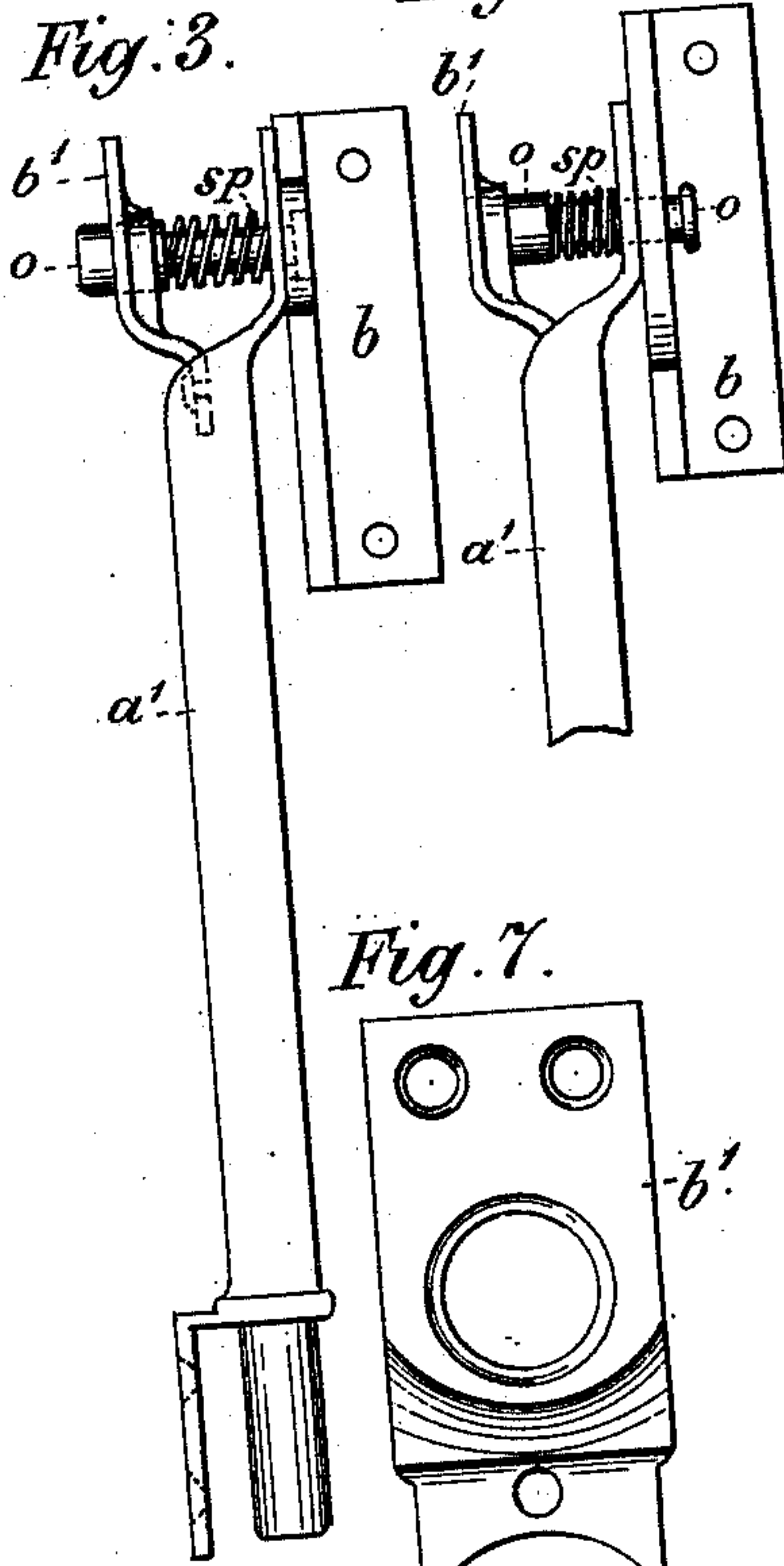


Fig. 4.

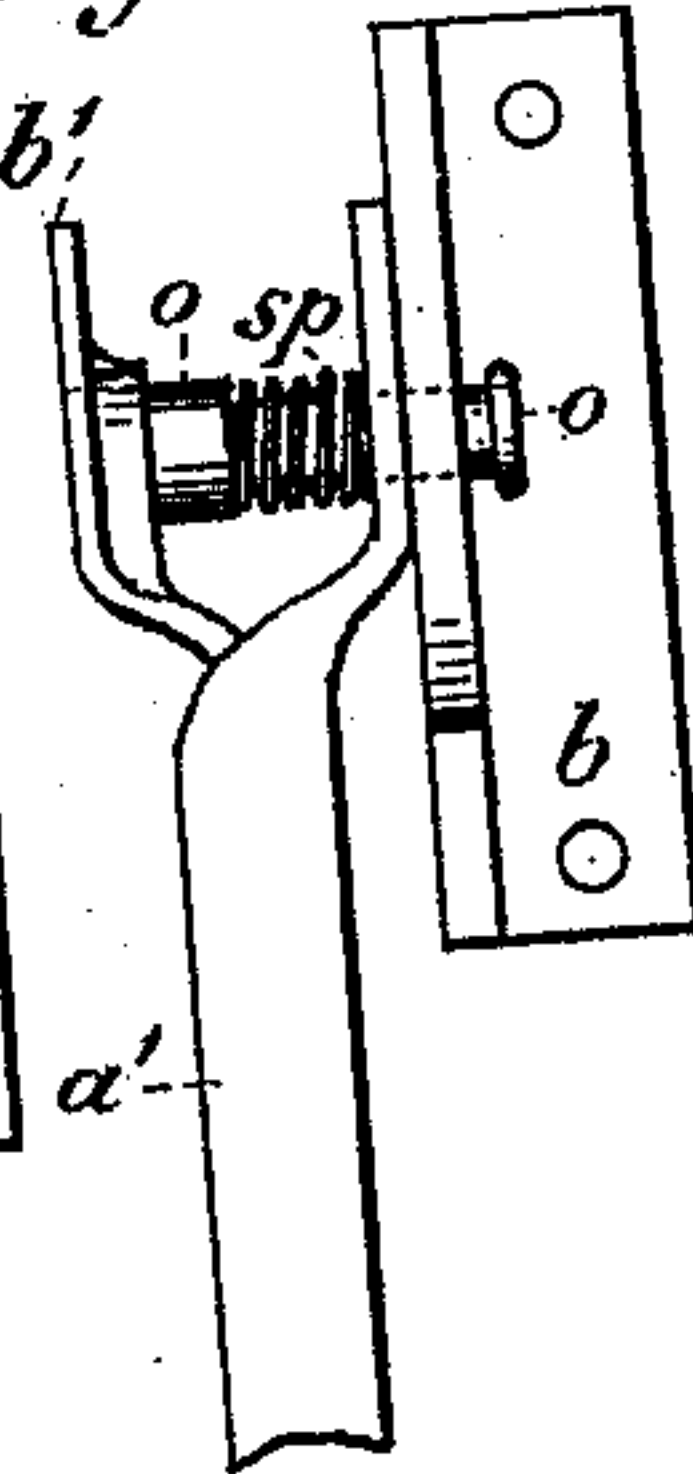


Fig. 5.

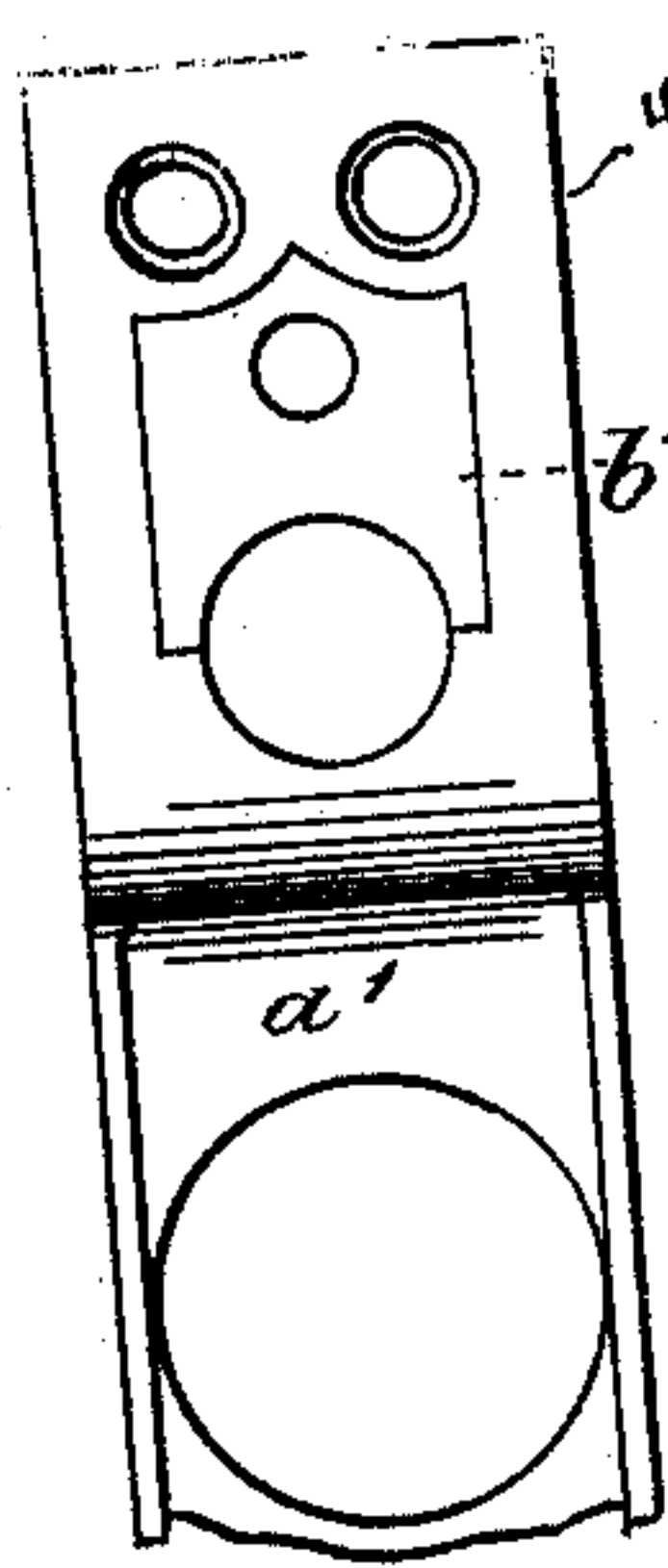


Fig. 6.

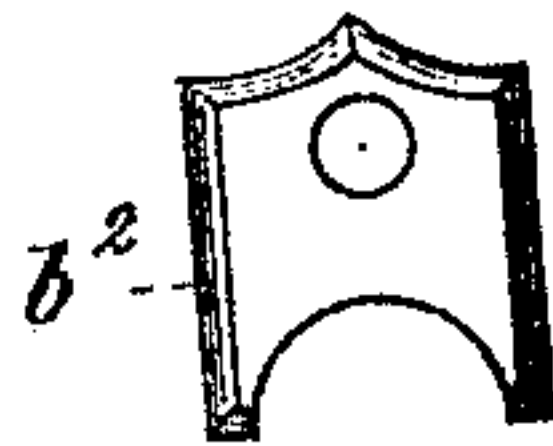


Fig. 8.

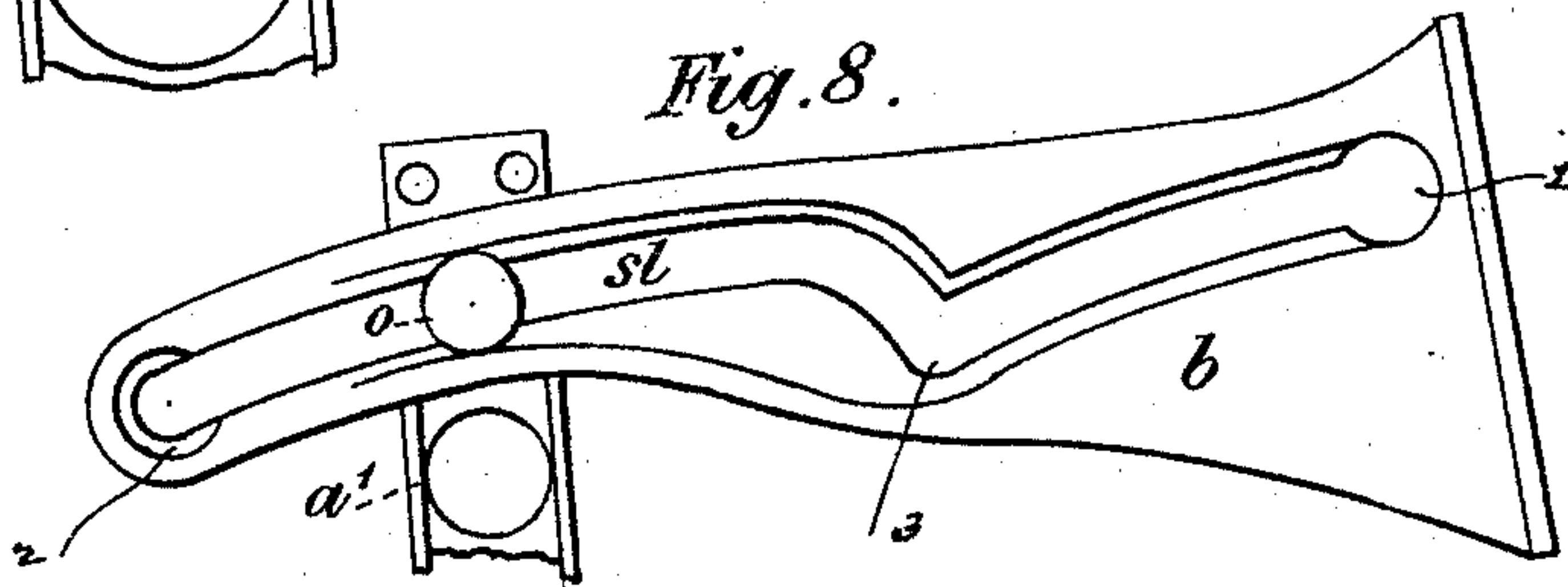
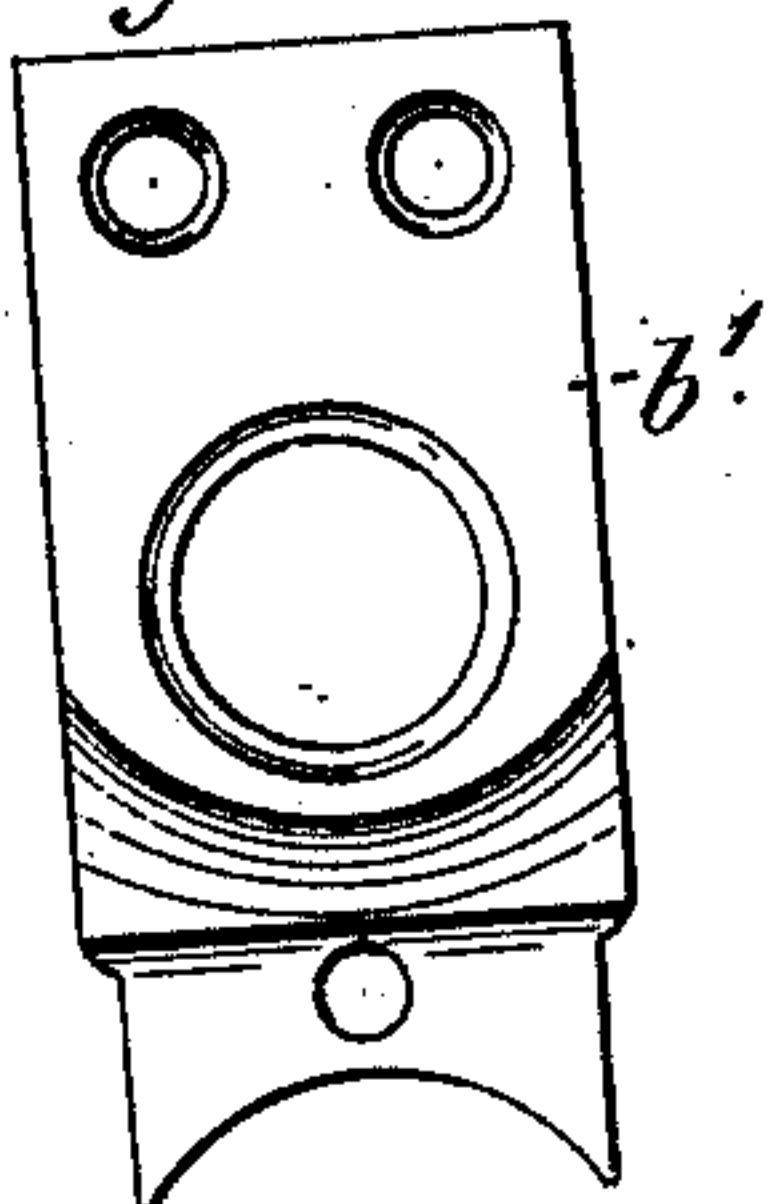


Fig. 7.



WITNESSES.

Gustav Bohn.

W. S. Lockman

INVENTOR.

Calvin S. Udell.

By C. F. Jacobs  
att'y.



# UNITED STATES PATENT OFFICE.

CALVIN G. UDELL, OF INDIANAPOLIS, INDIANA.

## ARM-COMMODE.

SPECIFICATION forming part of Letters Patent No. 354,364, dated December 14, 1886.

Application filed May 26, 1886. Serial No. 203,341. (No model.)

*To all whom it may concern:*

Be it known that I, CALVIN G. UDELL, a resident of Indianapolis, Indiana, have made certain new and useful Improvements in Arm-Commodes, a description of which is set forth in the following specification, reference being made to the accompanying drawings, in the several figures of which like letters represent like parts.

My invention relates to an improvement in arm-commodes by which the arms are so connected with the cover that on raising it the arms will be thrown up in place and the closing of the cover will force them down out of sight and level with the seat.

In the drawings, Figure 1 represents a top view of the device with the cover thrown up in a vertical position. Fig. 2 is a side view of the same with a portion of the casing or box broken away to show the connection of the arm-support with the sliding block below and the guide-strips, the dotted lines indicating the different positions taken by the parts as the cover is opened or closed. Fig. 3 is an edge view of the arm-supporting frame and the iron bracket which connects it to the cover. Fig. 4 is an edge view of the upper portion of the same, showing the spring-pin pushed out, unlocking it from the bracket preparatory to closing the cover. Fig. 5 is an inside view of the central portion of the iron arm-support, showing the removable boxing-plate, an opposite side view of which is shown in Fig. 6. Fig. 7 is a side view of the opposite boxing for the spring-pin connected with the central portion of the iron arm-support. Fig. 8 is a side view of the bracket, which is screwed to the cover, showing the irregular-shaped slot in which the head of the spring-pin moves backward or forward as the cover is opened or closed.

In detail,  $b^3$  is the box or case of the commode, which is provided with the seat  $s$  and cover  $c$ , hinged to the back of the box or case in the usual manner. To this cover  $c$  is secured by screws an iron bracket,  $b$ , which has a peculiar-shaped slot running its entire length from end to end, and having an angle or offset nearly midway at 3. This slot has a circular recess at the outer end, as indicated at 2, and a similar recess is made along the central portion of the slot, nearly to the other

end. The opening 1, at the back end, is made of sufficient size to allow the head of the spring-pin to pass clear through it, so that the bracket may be taken clear off, or vice versa.

The spring-pin  $o$  has bearings on one side in the ear or boxing  $b'$ , which is made in the shape shown in Fig. 7, and is riveted to the upper end of the central portion of the iron arm-support  $a'$ , and on the opposite side this spring-pin has bearings, partly in a projection from the central portion of this arm-support and partly in the boxing-plate  $b^2$ , which has beveled edges, as shown in Fig. 6, and slips into a corresponding opening in the central part of the projection 4, formed on the upper end of the arm-support, as shown in Fig. 5, and this spring-pin is surrounded by a coil-spring,  $sp$ , which is secured between the shoulder of the spring-pin and the inside of the boxing, as shown in Fig. 4. The end of this spring-pin projects through the boxing  $b'$ , as shown in Fig. 3, and by pressing it in with the thumb to compress the spring, as shown in Fig. 4, the head  $o$  of this spring-pin is thrown out, releasing it from the offset 2, formed in the slot  $sl$  of the bracket  $b$ , unlocking the same, so that the body of the pin will slide backward in the slot as the cover is let down.

The arm  $a$  is made of wood, and  $a'$  represents the metal arm-support, which is connected to the arm  $a$  by means of short bosses 5, which enter the wood of the arm  $a$ , while the central portion, 4, is fastened by screws which pass through holes, as shown in Fig. 5. These bosses are made to fit the holes closely when driven in, and the screws being put through the holes in the central portion the connection is firm and complete. At the bottom this arm-support is secured to a block,  $s'$ , in the same manner as it is connected to the arm above. This block  $s'$  is grooved, near each side, to admit the guide-strips  $g'$  and  $g^2$ , which are nailed to the inside of the casing, the block  $s'$  moving up and down along these strips as the cover is opened or closed.

$s^2$  is a circular stop secured on each side to the inside of the casing, on which the block  $s'$  rests when let fully down.

The operation of my device is as follows: When the cover  $c$  is lifted by means of the iron bracket  $b$ , which is secured at one end to



the cover and at the other to the arm-support by the head of the spring-pin *o*, the bracket is drawn backward as the arm rises until the forward end, 2, of the slot is reached, when the head of the spring-pin enters it, drawn by the spring, and the cover and the several parts then assume the position shown in the full lines in Fig. 2. The offset in this slot is necessary, inasmuch as at a certain point when the cover is being lifted the inner end of the arm *a* comes in contact with the under side of the cover *c*, as shown in the dotted lines in Fig. 2. This angle in the slot allows the pin *o* to drop down a short distance, freeing the arm from contact with the cover, and when that point has been passed the pin rises in the slot until it reaches the opposite end and the cover is entirely opened. At this point the head of the spring-pin enters the offset 2 in the slot, and the spring pulls it into this recess, and the parts are locked in position. To close the cover all that is necessary to do is to push the opposite end of the spring pin with the thumb, compressing the spring, as shown in Fig. 4. This forces the head of the spring out of the recess 2 and allows the bracket to travel forward with the downward movement of the cover, and the arms are forced downward along the guides *g'* and *g''* until they are flush with the level of the seat, as shown in Fig. 1, and the cover is closed.

It will be understood that arms are provided on each side of the seat; but the mechanism of one is precisely that of the other, and when the arm or any part of the mechanism is mentioned in the singular it is meant to apply to the similar arm on the opposite side.

The sliding blocks *s* are kept from jumping out of place by means of back strips fastened in each corner of the case to the legs and sides.

I am aware that arm-commodes are not new, and do not broadly claim the same as my invention; but

What I do claim as my invention, and desire to secure by Letters Patent, is the following:

1. In an arm-commode, the box *b*<sup>3</sup>, the seat *s*, hinged thereto, the cover *c*, also hinged to the back of the box and connected by a slotted bracket, *b*, with the support *a'* of the arm *a*

by a spring-pin having a head adapted to slide in the irregular-shaped slot of the bracket, whereby the elevating of the cover elevates the arm-support perpendicularly and the closing of the cover presses the arms downward in the sides of the case or frame, all combined substantially as described.

2. The arm-support *a'*, adapted to slide downward within the case *b*<sup>3</sup> of a commode, providing bearings in its upper end for the spring-pin *o*, the bracket *b*, having the irregular slot *sl*, the recess 2, formed in the outer end of the bracket to receive the head of the spring-pin *o*, the cover *c*, to which the bracket is secured, the guides *g'* and *g''*, and the circular stop *s*<sup>2</sup>, secured to the inside of the case *b*<sup>3</sup> to limit the downward movement of the block *s'*, attached to the arm-support, all combined substantially as described.

3. A commode having side arms connected to the cover by a slotted bracket, *b*, and their lower ends secured to pieces provided with grooves to receive the perpendicular guides connected to the inside of the case upon which the arms rise and fall when actuated by the movement of the cover in either direction, substantially as described.

4. The metal bracket-support *a'*, connected to the arm *a* above and the sliding blocks *s'* below by means of pins at each corner cast integral with the arm-support, and screws driven through the central portion of this support, in combination with the bracket *b*, having the angular slot *sl*, the opening 1 at one end and the recess 2 at the other end connected to the cover, the arm *a*, and the sliding block *s'*, substantially as described.

5. In an arm-commode, a cover hinged to the back of the frame, the side arms rising and falling perpendicularly upon guides upon the inside of the frame, the cover and arms connected by the slotted bracket *b* and actuated by the movement of the cover in either direction, substantially as described.

In witness whereof I hereunto set my hand this 22d day of May, 1886.

CALVIN G. UDELL.

Witnesses:

C. P. JACOBS,  
HATTIE MURRY.