

No. 701,672.

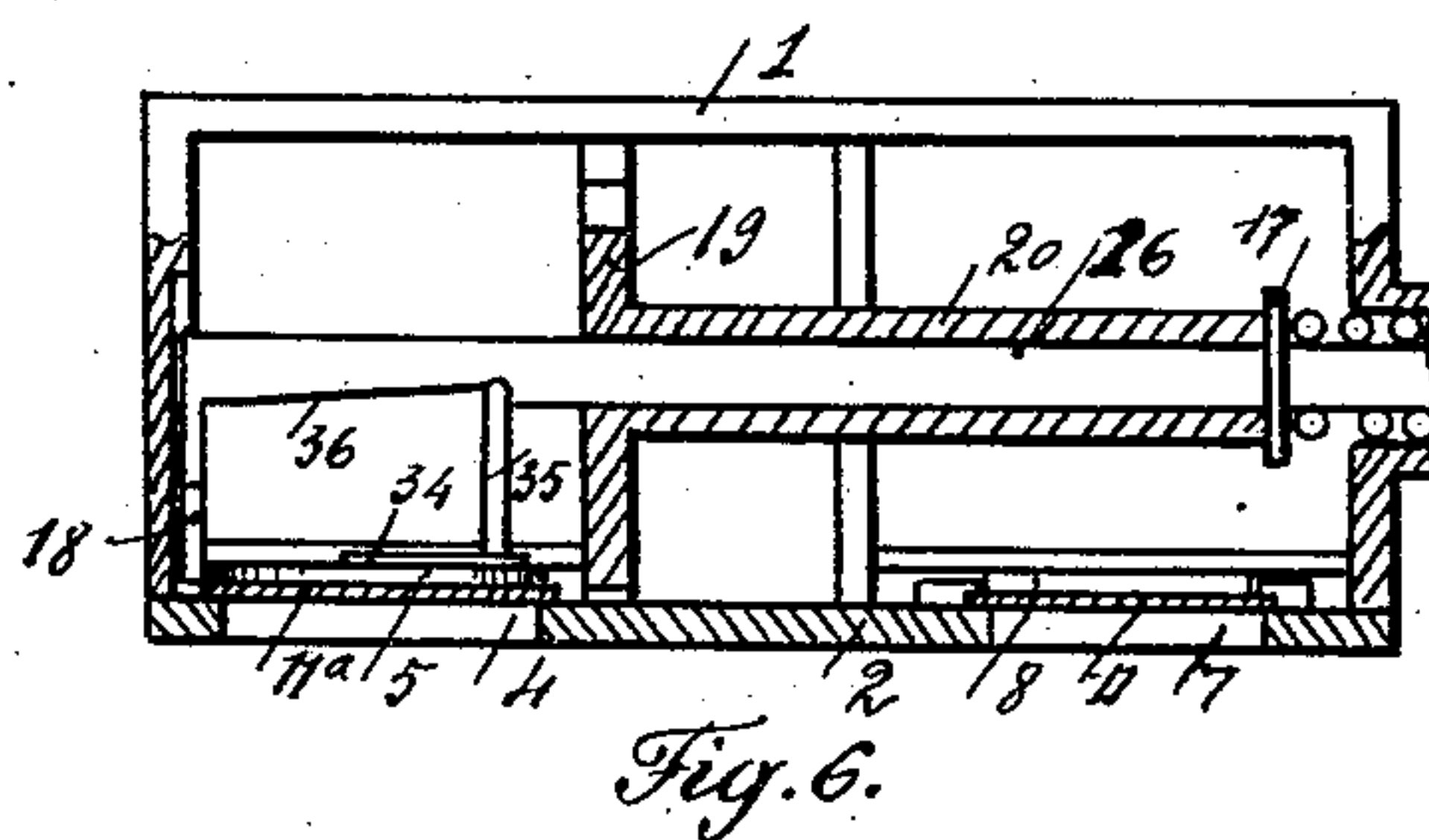
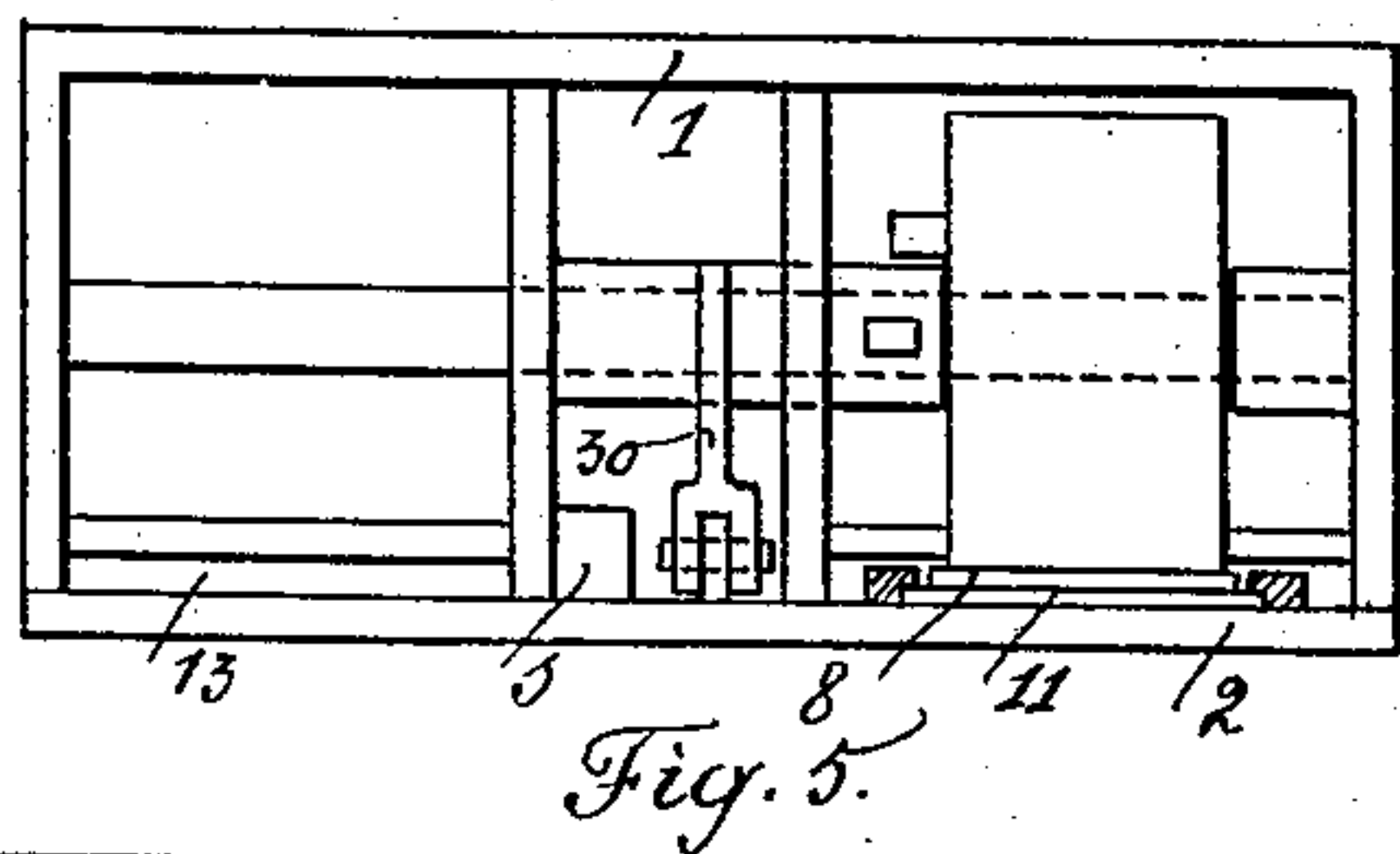
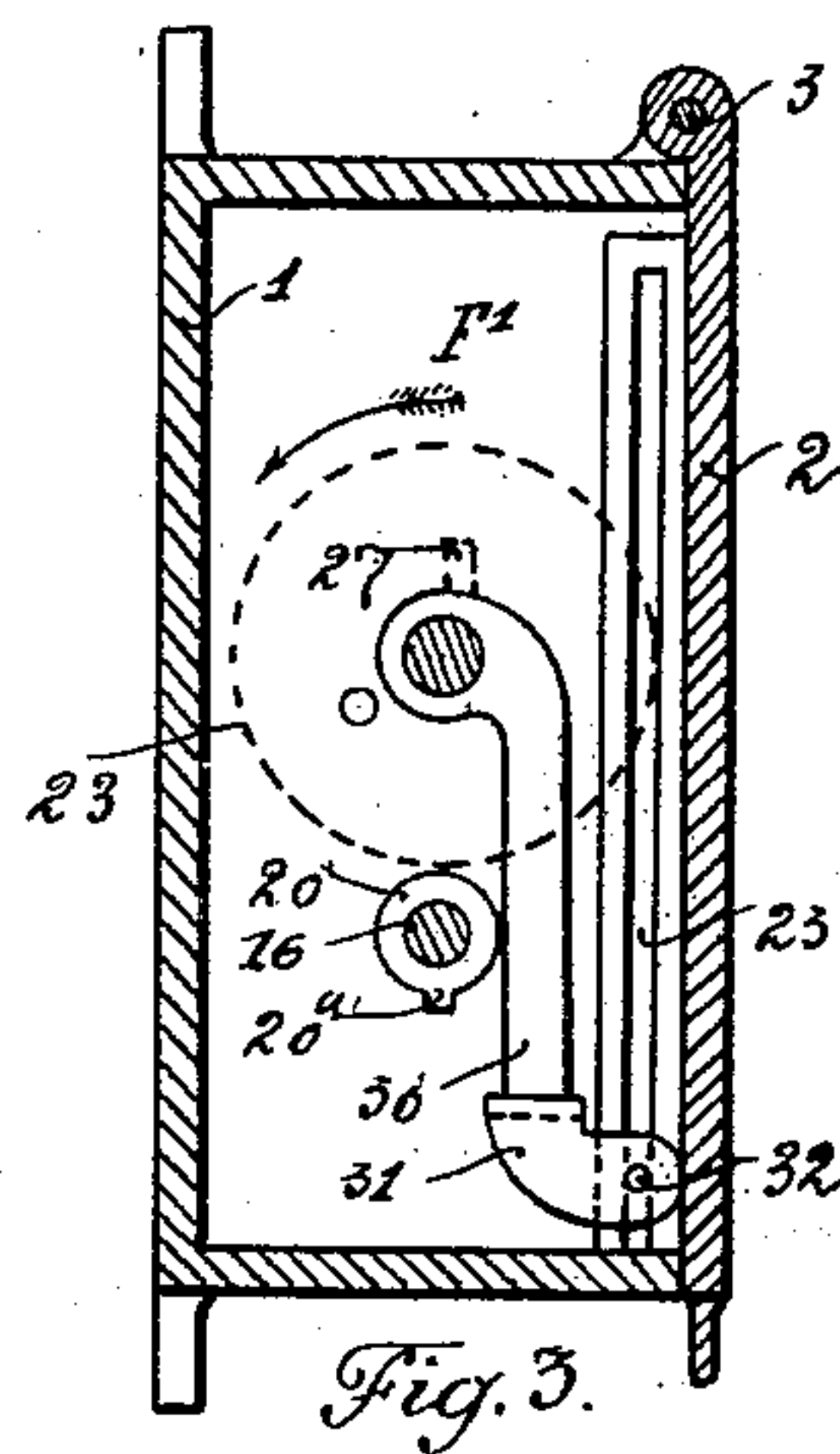
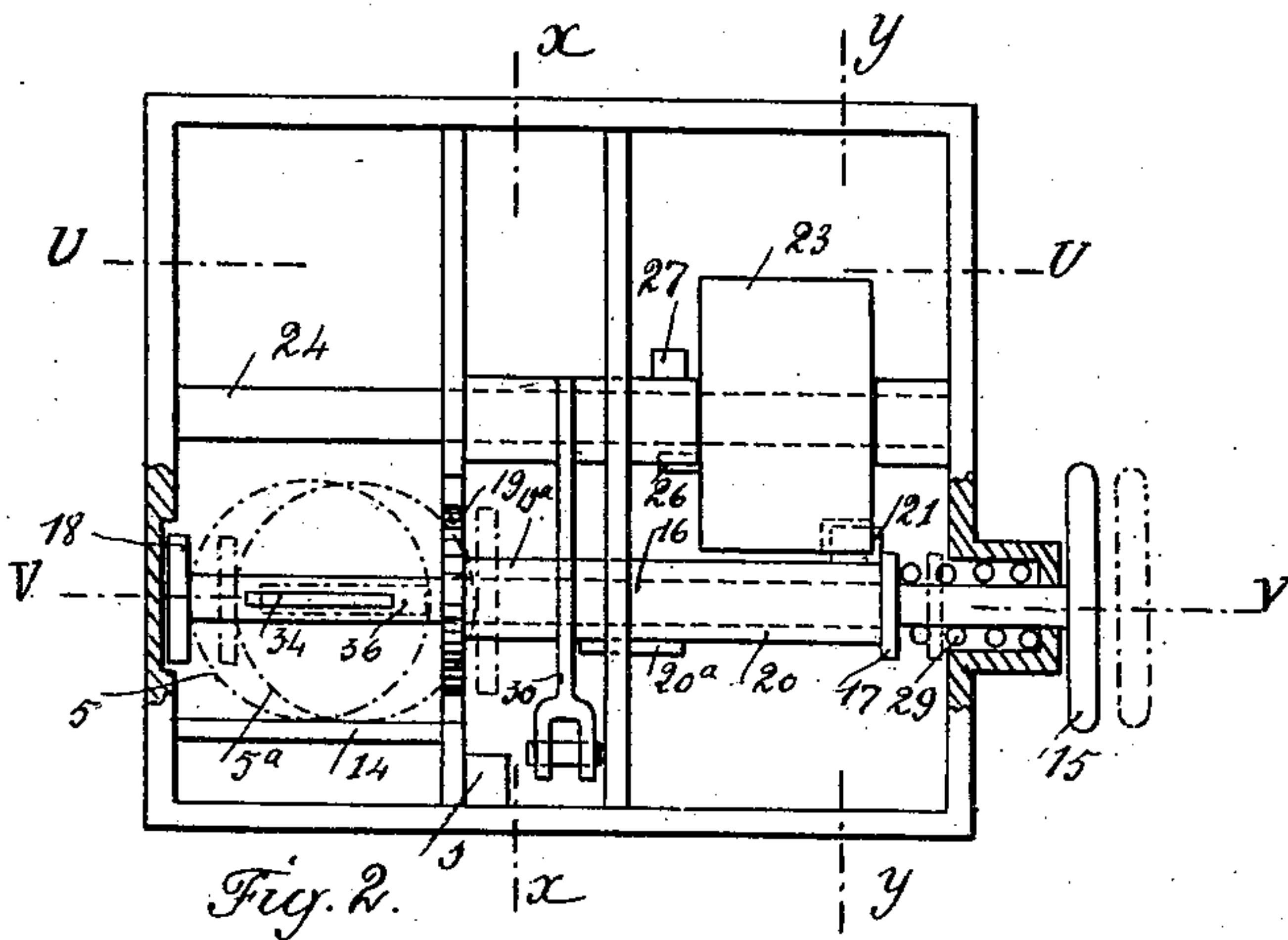
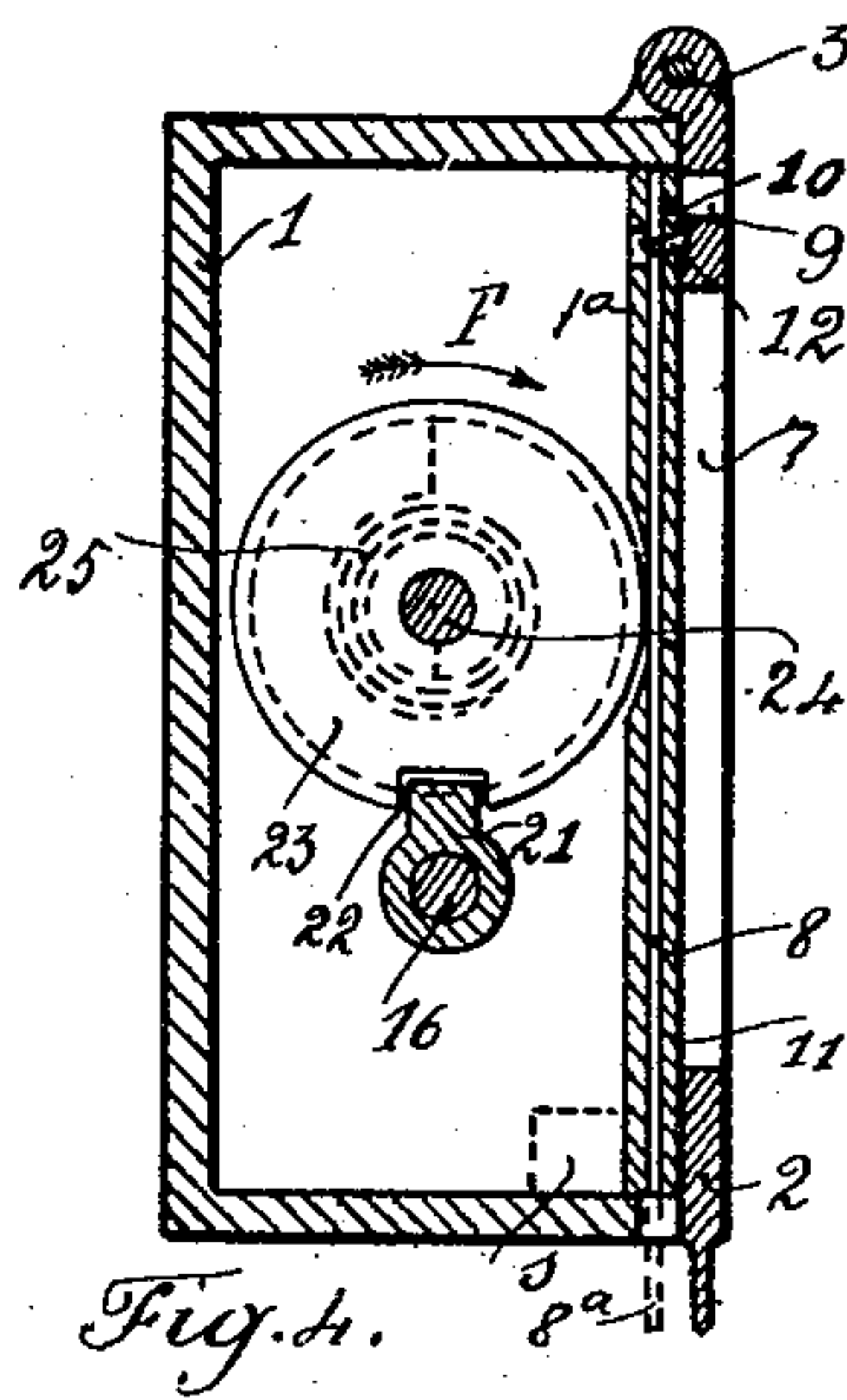
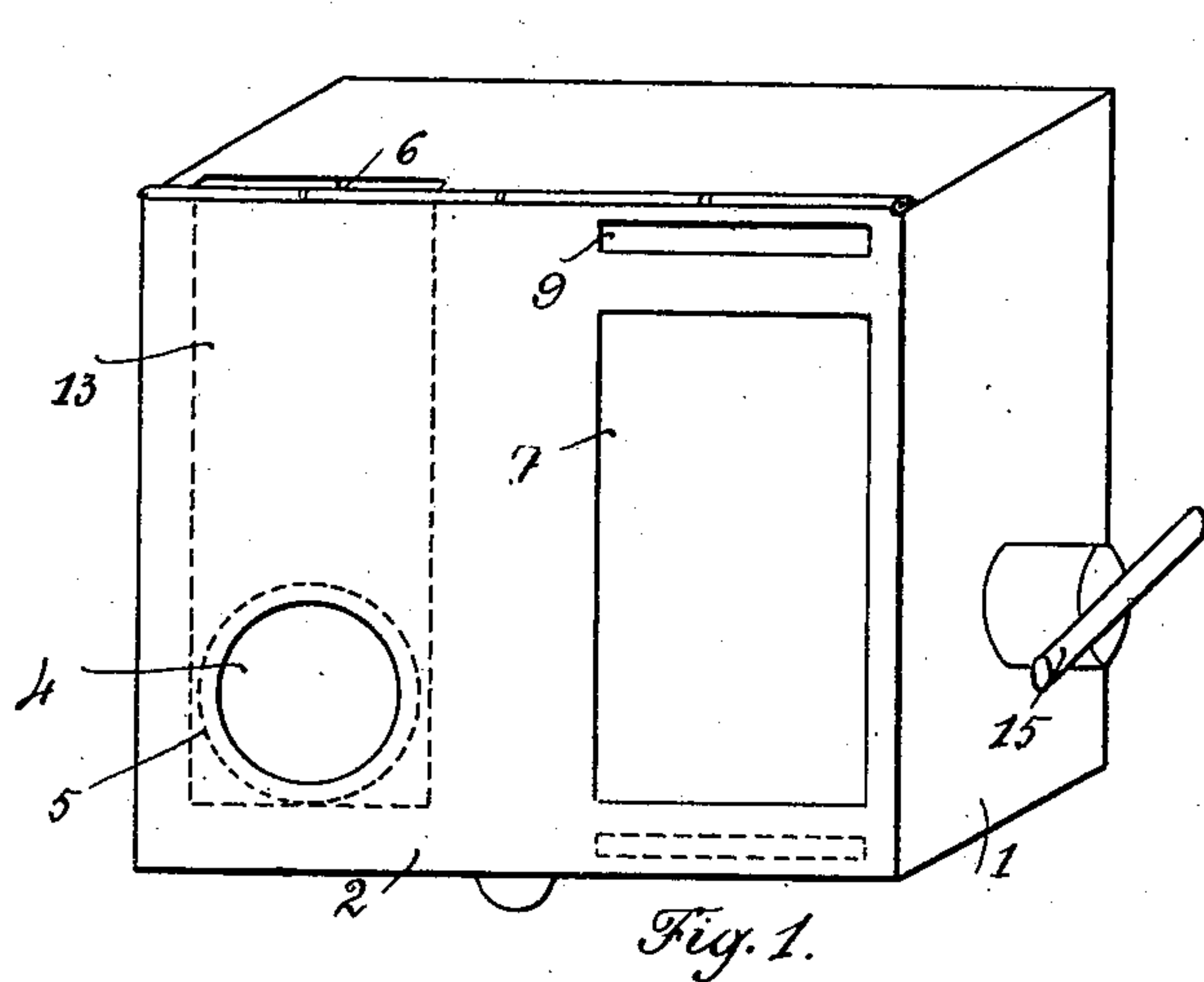
Patented June 3, 1902.

M. BORDIER.

COIN CONTROLLED TICKET DELIVERING DEVICE.

(Application filed Oct. 19, 1901.)

(No Model.)



Witnesses  
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# UNITED STATES PATENT OFFICE.

MARCEL BORDIER, OF LA ROCHELLE, FRANCE.

## COIN-CONTROLLED TICKET-DELIVERING DEVICE.

SPECIFICATION forming part of Letters Patent No. 701,672, dated June 3, 1902.

Application filed October 19, 1901. Serial No. 79,279. (No model.)

*To all whom it may concern:*

Be it known that I, MARCEL BORDIER, a citizen of the French Republic, residing at La Rochelle, France, have invented certain new and useful Improvements in Coin-Controlled Ticket-Delivering Devices; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The present invention relates to coin-controlled apparatus to be placed in railway-carriages or theaters or above or adjacent to seats placed at the disposal of travelers or spectators, which apparatus by the introduction of a coin of a determined value and by pulling a handle will deliver a ticket which will reserve the seat during the whole journey or performance.

The invention consists in the improved construction, arrangement, and combination of the parts of such an apparatus, as fully described hereinafter and afterward specifically claimed.

Referring to the accompanying drawings, Figure 1 is a view of the closed apparatus in perspective, parts being indicated by dotted lines. Fig. 2 is a view of the interior of the apparatus in elevation, the door being removed. Fig. 3 is a vertical section on the line *xx* of Fig. 2. Fig. 4 is a vertical section on the line *yy* of Fig. 2. Fig. 5 is a horizontal section on the line *uu* of Fig. 2. Fig. 6 is a horizontal section on the line *vv* of Fig. 2.

Like reference characters mark the same parts wherever they occur in the various figures of the drawings.

The apparatus consists of a metallic box 1, to be suitably fixed in position and which is provided in front with a door 2, hinged at 3 and locked by means of any suitable safety-lock. This door is provided with three openings, viz: first, a circular opening 4, exposing the word "Free" when the apparatus is not in use or the coin 5, introduced through a slot 6, when it is in use; second, an opening 7, exposing the numbered ticket 8 to be supplied to the user of the seat, as explained hereinafter; third, above 7 an opening 9 of small size which exposes the coupon 10 remaining within the apparatus and bearing the same number as the ticket for the sake of facilitat-

ing the checking of the same. In front of the three openings 4 7 9 and within the door are fixed the glass plates 11 11<sup>a</sup>, (the latter resting against a block *s*, as best seen in Fig. 4,) against which rests the ticket 8, with its coupon, and the coin 5.

To prepare the apparatus for use, the box 1 must be opened by an attendant, who lifts the door 2 on its hinges 3 and places the whole ticket, including the coupon, inside against the inner wall 1<sup>a</sup> and against a cylinder 23, hereinafter described.

By closing the door a cutting-blade 12, fixed therein, will separate the detachable part of the ticket to permit the discharge thereof from the box, the coupon being retained within the box.

To mark a seat, the coin must be introduced through the slot 6, which coin slides down in guideway 13 and comes to rest upon a surface 14. Then to insure the delivery of the ticket the seat user must pull a handle 15, rigidly connected to an axle 16, extending entirely through the box, having a shoulder 17 and ending with a lateral arm 18. The latter by moving to the right when the handle is pulled carries the coin 5 along with it and brings it to the position 5<sup>a</sup>, Fig. 2, and at the same time a plate 19, rigidly connected to a sleeve 20, slides with the sleeve on the axle 16 to the position 19<sup>a</sup>. The sleeve 20 is provided at 20<sup>a</sup> with a spline which prevents it from turning and also with a lug 21, engaging in a recess 22 of the cylinder 23, rotatable upon a shaft 24, parallel with the axle 16 when the apparatus is out of use. Within this cylinder is a spiral spring 25, attached at one end to the shaft 24 and at the other end to the cylinder, thus insuring the rotation of the latter in the direction of the arrow *F* when by pulling the handle 15 the pin 21 shall have been disengaged from its recess 22. The rotation of the cylinder 23 against the ticket 8 causes the latter to slide down between the glass plate 11 and the said cylinder and brings it to the position 8<sup>a</sup>, Fig. 4, in which position it projects a short distance out of the box and may be taken away by the user of the seat. At this time the word "Occupied" appears on the inside surface 1<sup>a</sup> in place of the ticket.

The rotation of the cylinder 23 is limited



by a lateral projection 26 thereon, which when the ticket is in the position 8<sup>a</sup> strikes against a stop 27, rigidly connected to a sleeve 28, mounted upon the shaft 24.

5 Should a marked seat become free, the attendant must open the door 2 and remove the coin and coupon, and at the same time he brings back to their first positions the cylinder 23, the axle 16, and the parts rigidly connected thereto, such as the handle and retracting-spring 29. For this purpose the  
10 sleeve 28 on the shaft 24 of the cylinder carries a lever 30, formed at its lower end with a fork 31, having a pin 32 engaging in a slide-  
15 way 33, rigidly connected to the door 2. When the latter is opened, the lever 30, which is acting through its projection 26 and the stop 27, will cause the cylinder 23 to rotate in the direction of the arrow F', Fig. 3, until the  
20 recess 22 of the cylinder reaches the pin 21, and the engagement of the pin therein is again effected, and the axle 16, retracted by the spring 29, regains its first position, as does also the handle 15, the plate 19, and the lat-  
25 eral arm 18. After having placed a new ticket into the apparatus the attendant will close the door again, and the lever 30 resumes its first position.

In order to avoid the noise which might be  
30 produced by the coin striking against the plates while the train is running, the coin is pressed by a spring-blade 34, seated between the walls, having an arm 35, engaged in an incline 36, provided upon the axle 16, whereby  
35 when the handle is pulled the incline pushes the arm and spring away from the coin and permits them to return and the spring to press against the coin when the handle is retracted.

Any attempt to defraud is guarded against  
40 as follows: First, when the apparatus contains coin the latter cannot be taken out through the introduction-slot, which is partly obstructed by the lateral arm 18, which displaces the coin; second, so long as the coin does not ap-  
45 pear the seat is marked "Free," even if the ticket has been stolen. The coupon numbered like the ticket itself gives the occupant who paid and marked his seat the right to occupy it or keeping it in case he should leave  
50 it temporarily.

This apparatus will thus save much trouble during a journey and will produce for the railway company or proprietor who will adopt it an increase of revenue which will be ap-  
55 preciated.

This apparatus may also be applied to seats in halls or any other public place.

Having thus fully described my invention, what I claim as new, and desire to secure by  
60 Letters Patent of the United States, is—

1. In an apparatus of the character described the combination with a suitable box,

of a door hinged at its upper edge having an opening for exposing a coin, a second opening for exposing a coupon a third opening 65 for exposing a ticket attached to the coupon, a slideway in the box behind the coin-opening, and a slideway in the box behind the ticket and coupon-opening, said latter slideway being open at the bottom for the dis- 70 charge of the ticket and coupon and the coin-slideway open at the top for the introduction of the coin, means operated by the closing of the door to separate the ticket from the coupon an axle extending laterally through 75 the box, and slidable therein, a lateral arm on the inner end of the axle, a handle on its outer end, means for feeding the separated ticket to slightly project from the box, and connecting mechanism whereby the feeding 80 means is operated by the movement of the axle longitudinally, substantially as described.

2. In an apparatus of the character described, the combination with a box, having 85 a coin-slideway and a ticket and coupon slideway and a door hinged at its upper edge having a coin-exposing opening and ticket and coupon exposing openings, of a handled axle projecting laterally into the box, a knife 90 for separating the ticket from the coupon when the door is closed a spring-impelled feed-cylinder bearing against the severed ticket on the inside, a stop for holding said cylinder against the action of the spring, and 95 means whereby said stop is withdrawn to permit the feed-cylinder to operate when the handled shaft is pulled outward, substantially as described.

3. In an apparatus of the character de- 100 scribed, the combination with a box, having a coin-slideway and a ticket and coupon slideway and a door hinged at its upper edge having a coin-exposing opening and ticket 105 and coupon exposing openings, of a handled axle projecting laterally into the box, a knife for separating the ticket from the coupon when the door is closed, a shaft parallel to the axle, a ticket-feed cylinder on said shaft provided with a recess, a lug on the axle nor- 110 mally engaging in said recess and withdrawn when the axle is drawn outward, a sleeve on the cylinder-shaft, a lever secured to said sleeve and slidably connected at its outer end to the door, and connections whereby the 115 opening of the door will return the feed-sleeve to its normal position, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

MARCEL BORDIER.

Witnesses:

G. L. JACKSON,  
MINA MACDONALD.