

No. 735,702.

PATENTED AUG. 11, 1903.

G. W. BROWN.
COIN DETECTIVE.

APPLICATION FILED MAR. 21, 1903.

NO MODEL.

Fig 1.

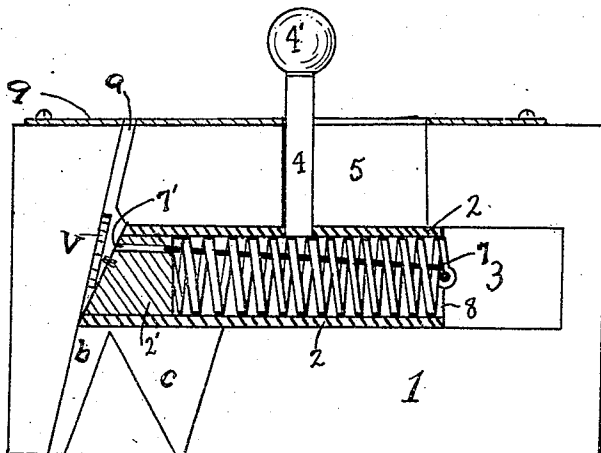


Fig 2.

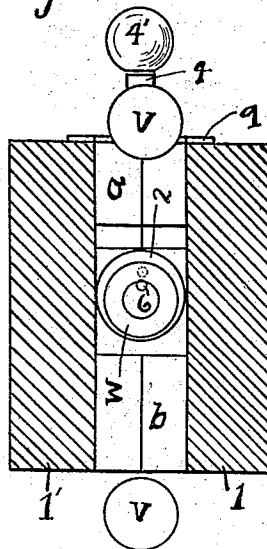
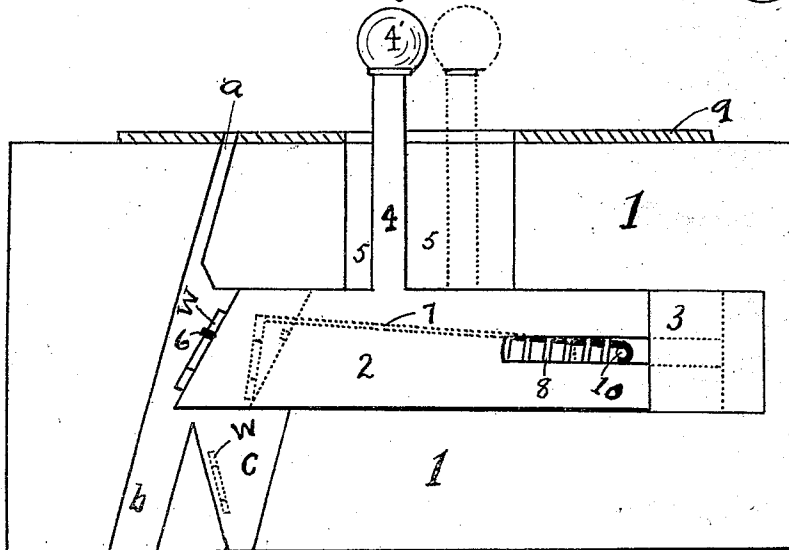


Fig 3.



WITNESSES:

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GEORGE W. BROWN, OF COLORADO SPRINGS, COLORADO.

COIN-DETECTIVE.

SPECIFICATION forming part of Letters Patent No. 735,702, dated August 11, 1903.

Application filed March 21, 1903. Serial No. 148,815. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. BROWN, of the city of Colorado Springs, in the county of El Paso and State of Colorado, have invented certain new and useful Improvements in Coin-Detectives, of which the following is a specification.

This invention relates to certain improvements in devices which are employed and used in connection with automatic slot-machines, and other machines which are started by the introduction of a coin, to detect and prevent the use of washers, rings, and like articles instead of the required coin for the purpose of defrauding the owner of the machine and in some instances greatly damaging the delicate mechanism of the machine. This device, while extremely simple and inexpensive, is effective and cannot fail in the accomplishment of its purpose. By its use the coins and washers are separated and discharged through different openings.

My invention consists of a block or casing, which for convenience is to be constructed into two halves, having within it a hollow plunger and a coil wire spring, one end of which bears against the head of the plunger, the other fastened to the casing by means of a pin. To this pin is attached a small wire rod, which removes washers from the face of the plunger when the plunger is pushed back. On the face of the plunger is a small pin, which serves to retain the washer until pushed off by the rod.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate similar parts throughout the several views.

Figure 1 is a side view of one of the longitudinal halves of the block or frame of the device. It also shows a sectional view of the plunger with spring and wire rod. Fig. 2 is a sectional end view taken through the slot *a b*. This figure illustrates the manner in which a washer catches on the face of the plunger and also shows the course of a coin. Fig. 3 is a side view of one of the halves and is somewhat similar to Fig. 1; but this figure shows in addition the manner in which a washer is dislodged from the peg by means

of the movement of the plunger. The plunger is intact in this view.

1 and 1' represent the two halves of the block or frame of the device.

2 is the hollow cylinder, generally referred to in this specification as the "plunger."

2' is a head fitted to the plunger 2, having an opening for rod 7 and a pin on the surface thereof for the retention of washers and rings.

3 is the concave path in which the plunger slides.

4 is a rod, and 4' a knob, which together form and are the handle by means of which the plunger is to be pushed back and forth.

5 is the aperture or slot, which is left between the halves of the block to permit the rod 4 to be moved.

6 is a peg or pivot on the face of the plunger, which catches and holds a washer or ring until the same is pushed off of it by means of the wire rod 7. The rod 7 is a small rod or wire, at one end attached to the pin 10, the other remaining free to slide in the opening 7' in the head of the plunger.

8 is an ordinary coil-spring, one end of which is fastened to the pin 10, the other bearing against the head of the plunger. This spring returns the plunger to the position shown in Fig. 1 after it has been pulled back to release a coin or dispose of a washer.

9 is a plate on the top of the device having in it a slot for coin and one for the rod 4 to move in.

a is the opening into which the coin or washer is inserted.

10 is a pin secured to the block or casing, to which is fastened the end of the spring 8 and the end of the rod 7.

b is the outlet for coin, and *c* the outlet for washers.

W W are washers or rings.

V V are coins.

The method of operation is briefly described as follows: A coin is dropped into the slot *a* and falls to the position shown in Fig. 1. As soon as the plunger is moved the coin passes to the outlet *b* and out of the detector. When a washer is dropped into the device, it at once catches on the pin 6 and when the plunger is pulled backward remains there until it is directly over the opening *c*, at which time the

rod 7, the end of which has been nearing the face of the plunger, appears and pushes the washer off. The washer falls into the opening *c* and is conveyed to a receptacle intended for such articles.

It will be seen that the size of the device is to be varied according to the size of the coin required, and the arrangement of the peg or pegs is also to be varied, together with other details not inconsistent with the spirit and object of the invention, and I do not desire to be limited to the precise details shown in the drawings, and set forth in this specification.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

In a coin-detective, the combination of a block or casing having slots and openings for the reception and discharge of coin and wash-

ers, a sliding plunger, a plunger-head, with a peg or pegs on the face thereof intended to engage washers and rings but not to interfere with the passage of coin, an opening in the head of the plunger, a stationary rod or wire, one end of which works in the opening in the head of the plunger and the other attached to a pin, a coil-spring inside of plunger, a pin secured to the casing or block, in the concave path of the plunger, to which are attached the ends of the spring and rod, substantially as described and for the purposes set forth.

In testimony whereof I have hereunto affixed my signature in the presence of two witnesses.

GEORGE W. BROWN.

In presence of—

WM. GRIMES,
S. C. LITTLE.