

J. W. PATTERSON.
SINGLE ACTION COIN CONTROLLED MECHANISM.
APPLICATION FILED DEC. 4, 1906.

949,438.

Patented Feb. 15, 1910.

Fig-1.

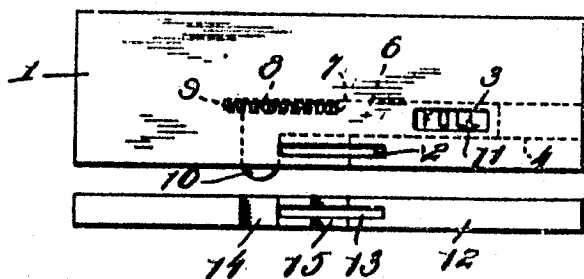


Fig-2.

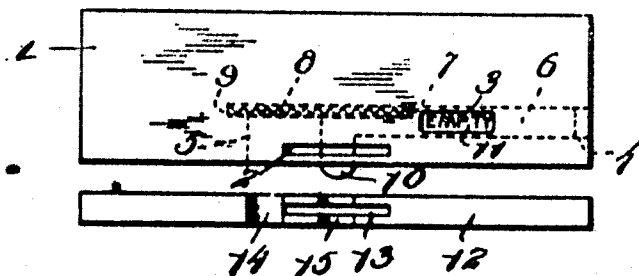
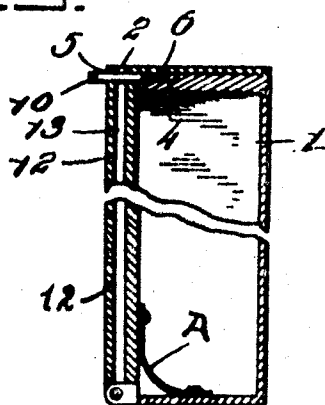


Fig-3.



Witnesses
L. A. Armstrong
J. M. Hinkley

Inventor
James W. Patterson
By *Robert S. Clarkson*
Attorney

UNITED STATES PATENT OFFICE.

JAMES W. PATTERSON, OF NEW YORK, N. Y.

SINGLE-ACTION COIN-CONTROLLED MECHANISM.

949,438.

Specification of Letters Patent.

Patented Feb. 13, 1910.

Application filed December 4, 1906. Serial No. 346,313.

To all whom it may concern:

Be it known that I, JAMES W. PATTERSON, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Single-Action Coin-Controlled Mechanism, of which the following is a specification.

My invention relates to improvements in single action coin controlled mechanism. By single action, I refer to that type of vending or renting coin-controlled machines which contain a single article or package of articles to be sold or rented. In this type of machine, frequent complaint has been made to the fact that after a sale has been made, the coin chute is free to receive a second coin for which the depositor does not receive value.

The object of my invention is to prevent the deposit of a coin in a machine of this character until the machine has been supplied with a commodity to be delivered in return for the coin deposited.

A further object of my invention is to provide a signaling device whereby an attendant whose duty it is to replenish the boxes, may, by the sense of touch, determine whether or not the box is to be refilled thereby obviating the necessity of manipulating the lock of the box to ascertain whether or not it is empty; and with these and minor objects in view, my invention consists of the parts and combination of parts as will be hereinafter more fully pointed out and claimed.

In the drawings: Figure 1 is a top plan view of a box and its door showing the coin chute open; Fig. 2 is a similar view showing the coin chute closed; and Fig. 3 is a side elevation of the box, and door broken away embodying my invention.

1 represents a box of any approved construction provided with the coin chute 2, and an opening 3.

4 is a slot or key-way formed in the top of the box and extending to a point beyond the coin chute. The opening 3 registers with the slot 4.

5 is a slot extending from the front of the box and merging into the slot 4, said slot 5 extending from the innermost end of the slot 4, to a point beyond the middle of the coin slot 2.

6 is a slide slidably mounted in the slot 4 and provided with a shoulder 7 against one

end of which a coiled spring 8 is seated, the other end of the coil spring being seated in a recess 9 formed in the top structure of the box.

10 is an indicator arm integral with and projecting at right angles from the slide 6 and extending through the slot 5 to a point beyond the box and its door as clearly shown in Fig. 3.

11 is an indicator mounted on the slide 6 and shown in Fig. 1 as consisting of the word "Full" and in Fig. 2 as consisting in the word "Empty".

12 is a door of suitable construction for boxes of this character provided with the usual coin chute 13 which, when the door is in closed position, registers with the coin slot 2 in the top of the box. The top edge of the door is provided with grooves 14 and 15 adapted to receive the indicator arm 10 when the door is closed.

When the attendant has placed the package of goods in the box and before closing the same, he inserts a key in the small slot 4 shown in Fig. 3 and pushes the slide as far as it will go as shown in Fig. 1. Now when the box is closed, the indicator arm 10 enters groove 14, which will retain it in that position so long as the box is closed. The coin slot is open and the word "Full" appears in the opening marked 3. If a coin is now inserted and the knob turned as the box is opened, the spring 8, causes the slide 6 to move as soon as released, into the position shown in Fig. 2, and when the box is closed after using, the indicator arm 10 enters groove 15 and the word "Empty" appears in the opening marked 3. The door is automatically closed by the spring A one end of which is fastened to the box and the other to the door.

The position of the projecting indicator arm 10 enables the attendant to decide at a glance whether the receptacle contains goods or not, and its position may be readily ascertained by the sense of touch, should the box be located in a dark place.

When the number of boxes in a given theater are taken into consideration, it will at once be apparent that the projection of the indicating arm beyond the structure of the boxes is of material assistance to the attendant whose duty is to see that each box is replenished after each performance. The attendant may pass down each row of chairs and by merely feeling for the indicator arm,

he will know at once whether or not a box has been operated and needs replenishing. The indicator 11 is more especially adapted for notice to the public.

5 Of course, it is obvious that minor changes may be made in the details of construction of my invention without departing from the scope thereof, and hence I will have it understood that I do not wish to be limited to
10 said details of construction.

What I claim and desire to secure by Letters Patent is:

1. In a coin vending machine, the combination with a receptacle to hold goods to
15 be vended, a door for said receptacle, and means to close the coin chute of the machine after each operation of the machine and means carried by the door to lock said slot
closing means in position.

20 2. In a coin-vending machine, the combination with a receptacle to hold goods to be vended, and a door for said receptacle, of means to close the coin chute of the machine, after each operation of the machine, and
25 means carried by the door to lock said slot closing means at each end of its movement.

3. In a coin-vending machine, the combination with a coin chute, a receptacle to hold goods to be vended, a door for said receptacle and grooves in said door, of means to
30 open and close said chute and adapted to be locked at the limit of its movement by the grooves in said door.

4. In a coin vending machine, the combination with the coin chute, a receptacle to hold goods to be vended, a door for said receptacle and grooves in said door, of means to open and close said chute and adapted to be locked at the limit of its movement by engagement with the grooves in
40 said door, and a special key to move said means in one direction only.

5. In a coin vending machine, the combination with the coin slot, of a spring impelled slide normally closing the slot after each operation of the machine, and means locking said slide in position to permit the introduction of a coin in said slot.

6. In a coin vending machine, the combination with the coin slot, of a spring impelled slide normally closing the slot after each operation of the machine, a special key to move the slide to open said slot and means locking the slide in the position to which it
50 is moved by said key.

7. In a single-action coin vending machine, the combination with the coin slot, a receptacle to hold goods and a door for said receptacle, of a slide to open or close said slot and means carried by the door to lock said slide at each end of its movement.

8. In a single-action coin vending machine, the combination with a coin slot, a receptacle to hold goods, a door and means

to automatically close the door after each operation of the machine, of a slide to open or close said slot, and means carried by the door to lock said slide at each end of its movement.

9. In a single-action coin vending machine, the combination with a receptacle to hold a commodity, a door for said receptacle, grooves in one edge of said door, and a coin chute, of a slide to close and open said chute, said grooves being constructed and
75 arranged to lock the slide in its open and closed position.

10. In a single action coin vending machine, the combination with a receptacle to hold a commodity, a door for said receptacle, grooves in one edge of said door, and a coin chute, of a slide to open or close said chute and means carried by the slide to engage the grooves in said door to lock the slide at each end of its movement.

11. In a single-action coin vending machine, the combination with a receptacle, to hold an article to be sold or rented, a door for said receptacle, grooves in one edge of the door, and a coin chute, of a slide to open or close said chute, a signal carried by said slide, means on the slide to engage the grooves in said door to lock the slide at each end of its movement.

12. In a single action coin vending machine, the combination with the coin chute, of a slide adapted to be moved across the chute to close it after each operation of the machine, a lug carried by the slide, constructed to be engaged by the door of the machine, and thus locked against movement.

13. In a single action coin vending machine, the combination with a receptacle to hold a commodity to be sold or rented, a door for said receptacle having grooves in one edge, a coin chute, of a slide adapted to close said chute, a signal carried by said slide, a lug carried by the slide and constructed to engage the said grooves to lock said slide at each end of its movement.

14. In a single action coin vending machine, the combination with a receptacle to hold a commodity to be sold or rented, a door for said receptacle having grooves in one edge, a coin chute, of a slide constructed to close said chute, a signal carried by said slide, a lug carried by the slide and constructed to engage the said grooves to lock said slide at each end of its movement and a special key to move the slide to open said chute.

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

JAMES W. PATTERSON.

Witnesses:

WILLIAM J. HOWEY,
E. N. VAN LOAN.