

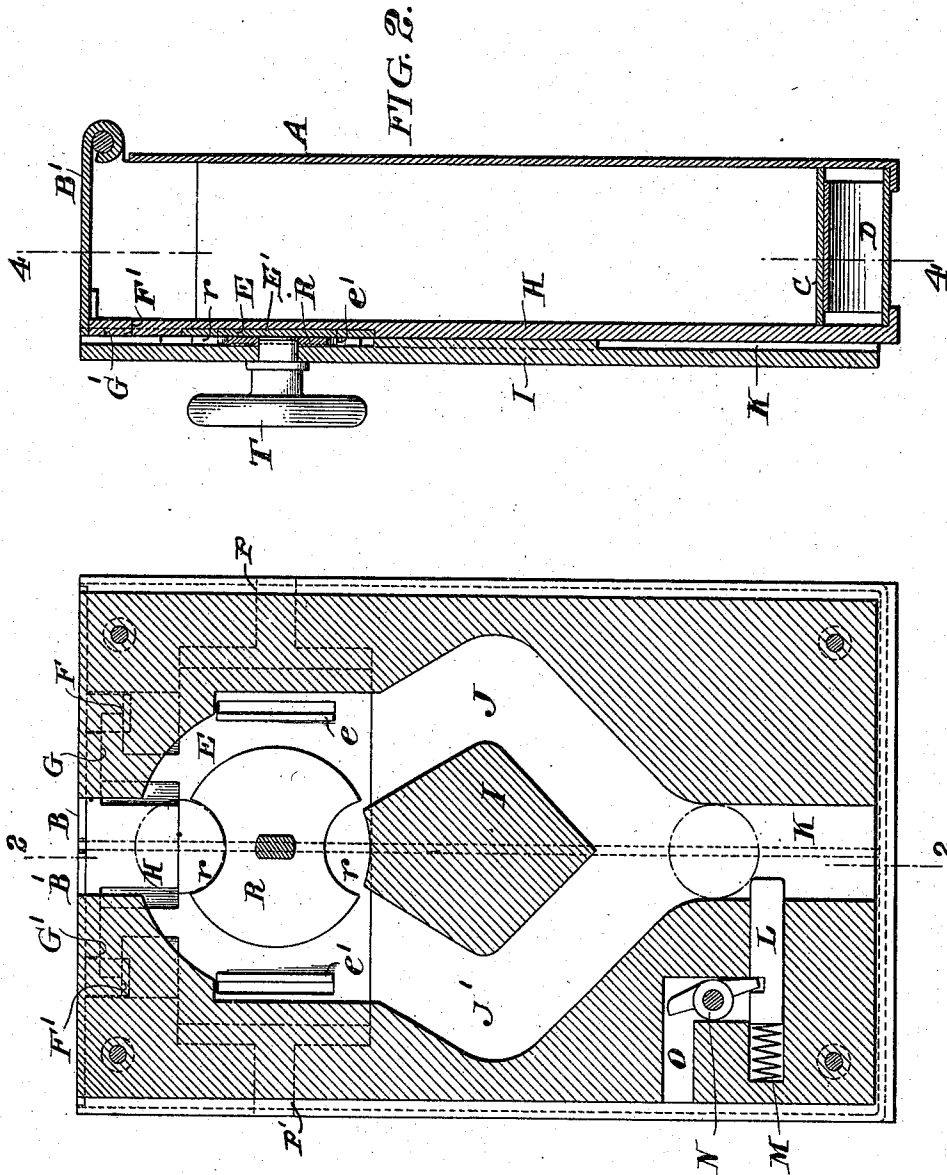
No. 840,513.

PATENTED JAN. 8, 1907.

J. W. PATTERSON.
COIN OPERATED VENDING MACHINE.

APPLICATION FILED APR. 26, 1905.

2 SHEETS—SHEET 1.



Witnesses:
Henry Dwyer
P. M. Kelly.

FIG. 1.

Inventor:
James W. Patterson
By his atty *[Signature]*

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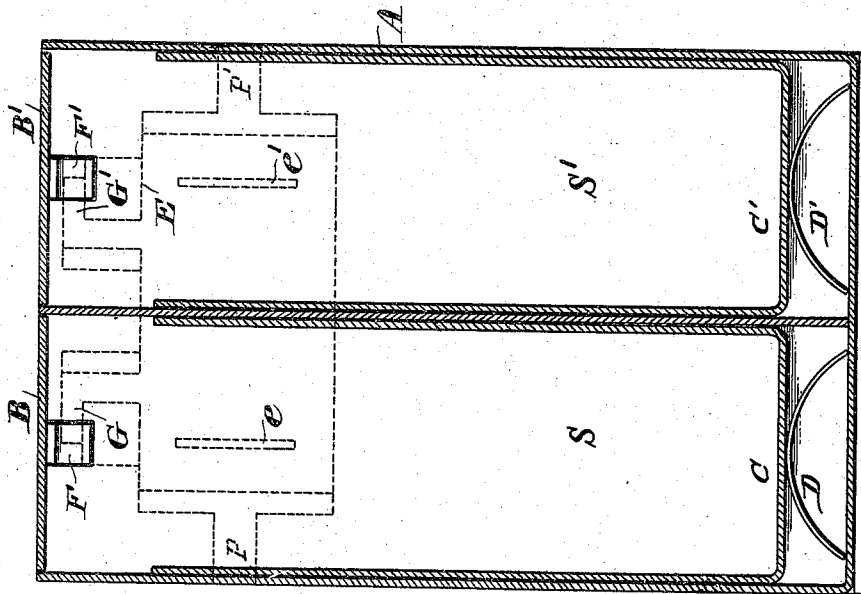


FIG. 4.

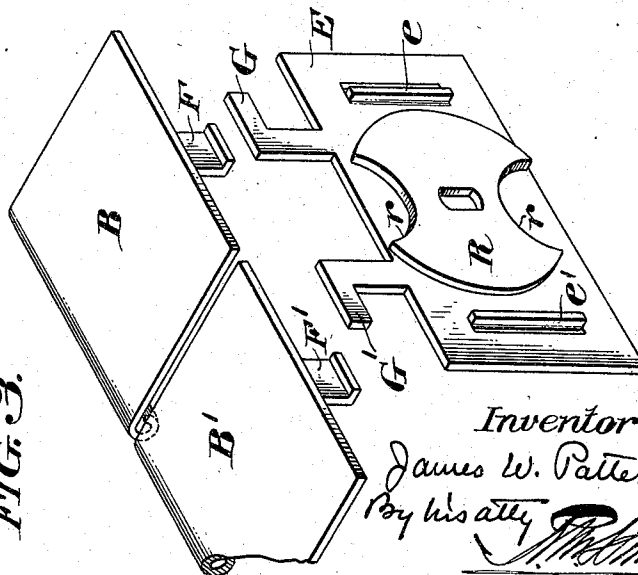


FIG. 3.

Witnesses:
James D. King
A. M. Kelly

Inventor:
James W. Patterson
By his atty *James W. Patterson*

UNITED STATES PATENT OFFICE.

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

COIN-OPERATED VENDING-MACHINE.

No. 840,513.

Specification of Letters Patent.

Patented Jan. 8, 1907.

Application filed April 26, 1905. Serial No. 257,425.

To all whom it may concern:

Be it known that I, JAMES W. PATTERSON, of the city of New York, county of New York, and State of New York, have invented an
5 Improvement in Coin - Operated Vending-Machines, of which the following is a specification.

My invention has reference to coin-operated vending-machines; and it consists of
10 certain improvements which are fully set forth in the following specification and shown in the accompanying drawings, which form a part thereof.

The object of my invention is to provide a
15 duplex case or box containing independent compartments adapted to contain articles, combined with a hand-operated coin-controlled lock common to both of the compartments, whereby either may be opened at one
20 time and both opened successively by the same unlocking mechanism.

My invention consists of a case having two compartments and means for retaining articles to be vended within said compartments,
25 combined with a coin-controlled lock for unlocking either of the compartments separately or both in succession.

More specifically, my invention embodies a
30 single case having two compartments, each provided with an independent lid combined with a locking-plate adapted to lock both lids and to unlock one of them by being shifted in one direction and then unlock the other by
35 being shifted in the opposite direction, and coin-controlled hand-operated devices for shifting said locking-plate.

My invention also includes details of construction which, together with the features
40 above specified, will be better understood by reference to the drawings, in which—

Figure 1 is a sectional elevation of my improved vending-machine with the front portion removed to show the coin-controlled locking and unlocking mechanism. Fig. 2 is
45 a transverse sectional elevation taken on line 2 2 of Fig. 1 of the machine. Fig. 3 is a perspective view of locking-plate, lids, and coin-moving disk. Fig. 4 is a vertical sectional view of the machine looking from the front,
50 taken on line 4 4 of Fig. 2.

A is the case of the machine and is formed into the two compartments S S', preferably open at the top and normally closed by lids
55 B B', which are hinged at the rear and adapted to be locked at the front when in closed

position. The compartments are respectively provided with lifting-frames C C', upon which the boxes of confections or other articles rest and by which they are elevated a short distance above the case where the lid is
60 released. These frames C C' are pressed upward by springs D D'. This general construction of the box is that which I prefer in commercial use of my invention; but I do not
65 confine myself to any particular construction of these parts, as my invention is more especially directed to the locking and unlocking mechanism now to be described.

E is a transversely-movable locking-plate guided in a transverse recess E' in the frame
70 and is provided with two locking-bolts G G', pointing in opposite directions, and two projections e e', against which the coin is forced to move the plate. The locking-bolts G G'
75 respectively engage the hasps F F' of the two lids B B' to hold them in locked position. When the plate E is moved to the right, it releases the lid B' of the compartment S'
80 and when moved to the left it releases the lid B of the compartment S. It cannot release both lids at the same time nor with one deposit of coin.

The coin is deposited in the coin-slot H in the plate I and descends into a recess r in the coin-disk R of the lock, said disk being
85 secured to a handle or knob T at the front of the box. By rotating the disk R the coin is forced against the projection e or e', according to the direction the handle is turned, with
90 the result that the locking-plate E is moved to the right or left, as desired. After the coin has moved the plate E it drops into the coin-slot J and passes downward to the discharge-slot K, where it is held by the retainer L.
95 When it is to be discharged, the retainer is moved backward against the spring M by a lever N, operated by a suitable key inserted in the slot O in the frame I. Any other suitable retainer or receiver for the coin may be
100 employed, if desired.

When the lids have been unlocked, the locking-plate E may be moved back into locking position by a key inserted in the sides through the slots P P'. If only one lid has been
105 released, then it is only necessary to move the plate E back to the medial position to lock both lids; but where both lids have been released then the plate E must be moved fully in one direction to lock one lid and then
110 in the opposite direction to the medial position.

tion to lock the other lid and without unlocking the first locked lid. I therefore prefer to employ two key-slots P P', opening from opposite ends of the plate E.

5 I have shown a simple form of coin-controlled lock adapted for exposition of my invention; but I do not restrict myself to any details of construction or type of lock when
10 considering the invention in its generic aspect, as my invention comprehends, broadly, the employment of a single coin-controlled device for unlocking the two compartments separately and successively.

Having now described my invention, what
15 I claim as new, and desire to secure by Letters Patent, is—

1. In a vending-machine the combination of a case having two compartments, separate retaining means for each compartment for retaining the vendible articles within said
20 compartments, and a coin-controlled locking device having a single coin-slot, movable locking parts for each retaining means adapted to normally lock both of the retaining means and to unlock either of them separately and both successively upon the introduction of two successive coins and a hand-operated part to receive the coins and move them to operate the movable locking parts.

30 2. In a vending-machine, the combination of a case having two compartments, separate lids for each of the compartments both capable of being open at the same time, and a coin-controlled locking device common to both
35 compartments having a rotary hand-operated part for unlocking either of the lids separately and both successively.

3. In a vending-machine, the combination of a case having two compartments, separate
40 lids for each of the compartments, a coin-controlled locking device common to both compartments for unlocking either of the lids separately and both successively, consisting of a sliding locking-plate having two locking-
45 bolts pointing in opposite directions and adapted to engage the lids, and a hand-operated coin-disk for receiving the coin and forcing it against the sliding locking-plate to move it in either direction to bring either of
50 the bolts desired into action.

4. In a vending-machine, the combination of a case having two compartments, separate
55 lids for each of the compartments, a coin-controlled locking device common to both compartments for unlocking either of the lids separately and both successively, consisting of a sliding locking-plate having two locking-
60 bolts pointing in opposite directions and adapted to engage the lids and also two projections against which the coin is forced, and a hand-operated coin-disk for receiving

the coin and forcing it against the sliding locking-plate to move it in either direction to bring either of the bolts desired into action
65 said disk being located between the two projections and having a notch in its periphery to receive the coin and by which it is conveyed against either projection of the sliding plate.

5. In a vending-machine two movable
70 parts adapted to be locked in position to retain independent vendible articles and both adapted to remain unlocked at the same time, in combination with a coin-controlled lock having a rotary hand-operated part
75 common to both of the movable parts for unlocking either of said parts separately at one time and both of them successively.

6. A vending-machine having two compartments, combined with independent lids
80 for said compartments, and a hand-operated coin-controlled lock for unlocking said lids successively and for holding them both locked at the same time provided with a single coin-slot and a rotary hand-operated disk to receive the coin and adapted to force the
85 successive coins in opposite directions to successively operate the two locks.

7. A vending-machine having two compartments, combined with independent lids
90 for said compartments, and a hand-operated coin-controlled lock for unlocking said lids successively and for holding them both locked at the same time, consisting of a sliding locking-plate and a rotary coin-disk to move the coin and by it shift the locking-plate, and a frame having key-slots at each end of the sliding plate for the insertion of keys to shift the plate in either direction when locking both the lids.
95

8. In a vending-machine, a case having two compartments, combined with separate retaining parts for each compartment for retaining the vendible articles within the said compartments, and a coin-controlled locking
100 device to normally lock both of the retaining parts in retaining position or unlock either of them separately and both successively consisting of a part having a single coin-slot, locking means for the retaining parts, and a
105 hand-operated part adapted to receive and support the coin and move it laterally in either direction to operate the locking means to unlock one of the retaining parts if moved in one direction and unlock the other retaining part if moved in the other direction.
110

In testimony of which invention I hereunto set my hand.

JAMES W. PATTERSON.

Witnesses:

E. M. VAN LOON,
JAMES COGAN.