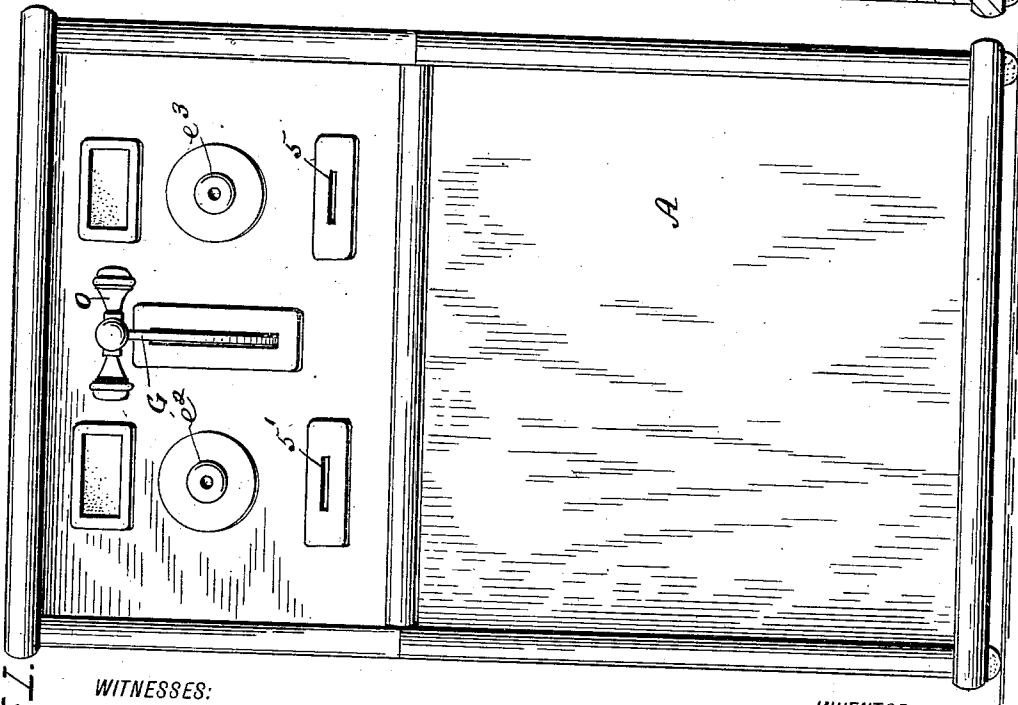
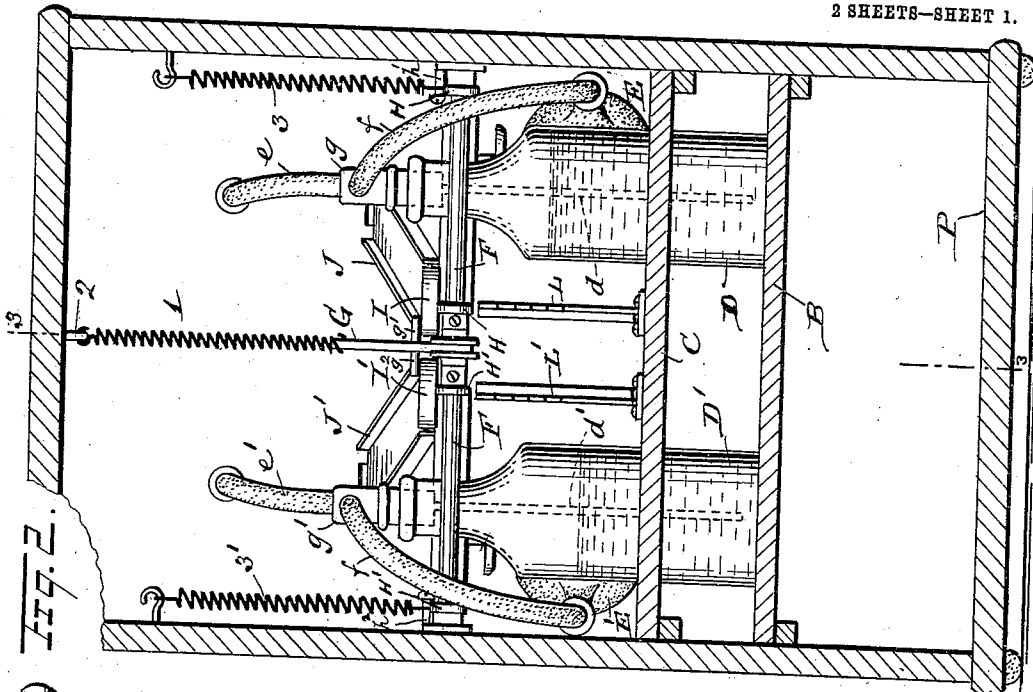


W. E. PORTER.
 COIN OPERATED VENDING MACHINE.
 APPLICATION FILED JAN. 23, 1909.

935,812.

Patented Oct. 5, 1909.

2 SHEETS—SHEET 1.



WITNESSES:

H. J. Walker

J. W. Michel

INVENTOR

Wilson E. Porter

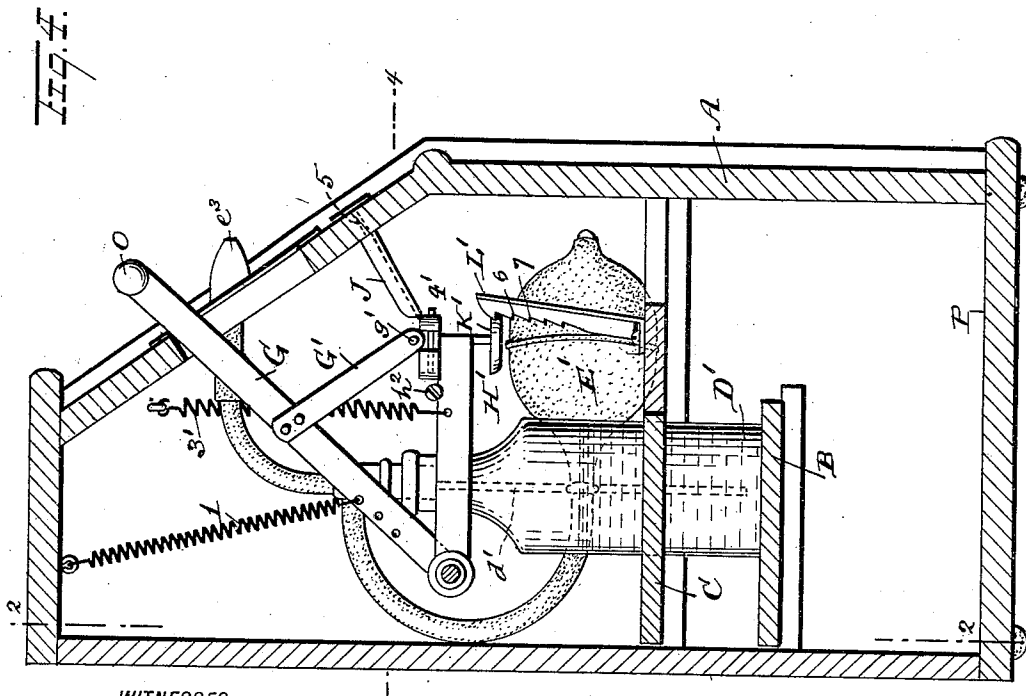
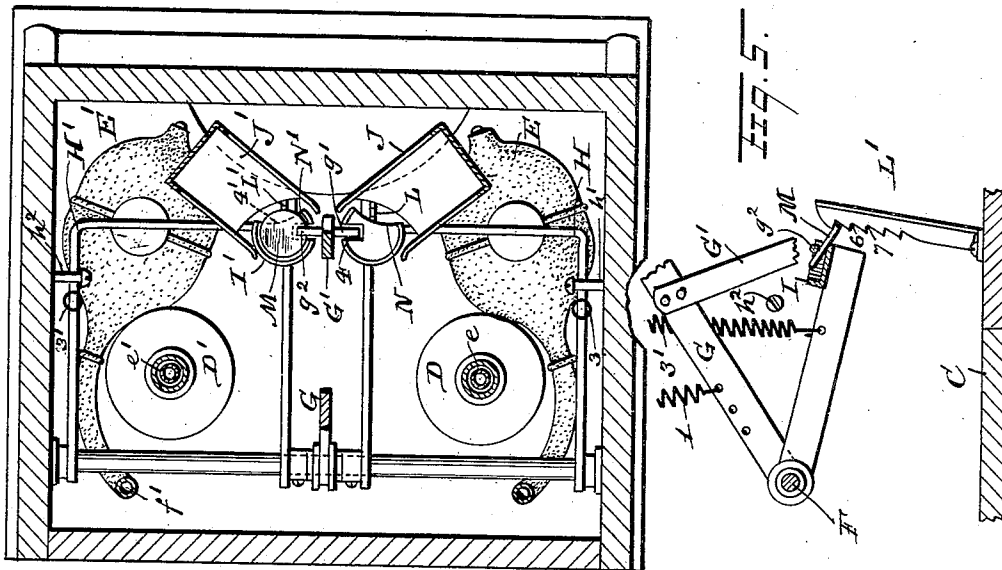
BY

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UNITED STATES PATENT OFFICE.

WILSON E. PORTER, OF NEW HAVEN, CONNECTICUT, ASSIGNOR OF ONE-HALF TO
EDMUND ARMANT, OF BINGHAMTON, NEW YORK.

COIN-OPERATED VENDING-MACHINE.

935,812.

Specification of Letters Patent.

Patented Oct. 5, 1909.

Application filed January 23, 1909. Serial No. 473,911.

To all whom it may concern:

Be it known that I, WILSON E. PORTER, a citizen of the United States, residing at New Haven, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Coin-Operated Vending-Machines, of which the following is a specification.

My invention relates to improvements in coin operated vending machines for the spraying of perfume, and in the operation of which a coin is placed in a slot, and by means of which mechanism in conjunction with a lever or series of levers is brought into action for the purpose of distributing perfumes, as hereinafter described.

The objects of my improvement are to provide a cheap but durable form of vending machine for the spraying of perfume of either one or more kinds. I attain these objects by the mechanism illustrated in the accompanying drawing, in which,

Figure 1 is a front elevation; Fig. 2 is a sectional rear view taken on line 2-2 of Fig. 3; Fig. 3 is a central vertical section taken on line 3-3 of Fig. 2. Fig. 4 is a horizontal section taken on line 4-4 of Fig. 3. Fig. 5 is a fragmentary sectional view to illustrate the action of coin operated mechanism.

Similar characters refer to similar parts throughout the several views.

Within a suitable casing A I have mounted the shelves B and C one above the other. On shelf B I have mounted one or more atomizer bottles, such as D and D' having within them the tubes *d* and *d'* connected with the outflowing tubes *e* and *e'*, which outflowing tubes are suitably connected with the delivery nozzles *e*² and *e*³; mounted on shelf C I have the rubber air bulbs E and E', having the extending tubes *f* and *f'* connecting with or entering into the outflowing tubes *e* and *e'* at *g* and *g'*; the bottles are ordinary atomizers, the operation of which is well known. Extending from side to side of the interior of the casing A and mounted at either end, within its walls, I have the axis F; mounted on this axis F and turning upon it, I have first the lever G; also mounted upon said axis, and turning upon it, I have the bail levers H and H'; in order to yieldingly suspend the lever G and the bail levers H and H', I have mounted within the casing A the coiled spring I, suitably suspended to the top of casing A; and in order

to yieldingly suspend the bail levers H and H' at any proper position, I have suspended within the casing A the coil springs 3 and 3', thus the levers mentioned are suspended in normal position as shown in Fig. 3; the bail levers H and H' are held in their normal position by the abutment pins *h*² and *h*³; mounted on the bail levers H and H' I have the coin receptacles I and I' and projecting into which receptacles are the side slots 4 and 4', shown in Figs. 3 and 4; through the wall of the casing A I have the slots 5 and 5' as shown in Fig. 1 and extending from these slots on the inner side of the wall of the casing I have the slanting chutes J and J' as shown in Fig. 1, Fig. 2 and Fig. 4; mounted on the lower side of the bail levers H and H' I have the pressers K and K' projecting downward from beneath the bail levers, and for the purpose of acting on the bulbs E and E'; mounted on the shelf C I have the spring tooth catches L and L' having in them the teeth 6, 7 etc.

On the lever G is rigidly mounted an arm G' carrying fingers *g*² and *g*³, which are adapted to move clear of the openings 4 and 4' in the coin receptacles I and I'. In operation I insert in one of the slots, say slot 5, a coin M as shown in Figs. 4 and 5. The coin slides down the chute J into the coin receptacle I. The coin receptacles I and I' have the curved side openings N and N'; the coin being in position within the receptacle I' as shown in Fig. 4 it covers the side slots 4'. I then press down upon the handle O of the lever G and the pin *g*² bears down upon said coin which thereby moving downward, the bail H' carrying with it the presser K' which compresses the bulb E projecting a spray of perfume through the atomizer in the usual way, thus delivering a spray of perfume from the nozzle E³; the coin M is held rigidly in the receptacle I' until its edge strikes against the successive teeth in the spring tooth catch L, and when the operator releases the handle O, the mechanism is retracted by the coil spring 3' and the edge of the coin M, being caught by the teeth in the spring tooth catch L is pulled out of the receptacle I against the tension of the coil spring 3' and thus drops into the bottom of the casing A as illustrated in Fig. 5, while the levers G and H and H' resume their original position as shown in Figs. 3 and 4, ready for the insertion of another coin.

Having thus described my invention what I claim as new and for which I desire Letters Patent is as follows:

1. In a coin operated vending machine
 5 comprising a casing; slots in the wall of the casing for the admission of coin; also slots for the passage of levers; mounted within said casing a coin receptacle; means for automatically conveying the coin to said receptacle; means for automatically holding
 10 said coin in one position; levers yieldingly mounted within said casing, on an axis, said levers supporting said coin receptacle; an additional lever mounted on said axis and
 15 extending through the slot in the wall of the casing; a handle mounted on said extending lever; atomizers mounted within said casing and having tubular connection with a nozzle extending through the wall of the casing;
 20 air bulbs communicating with said atomizers; means for compressing said air bulbs; a tooth catch mounted in said casing adapted to engage the coin in the receptacles, and draw it therefrom, causing it to drop on the
 25 interior floor of the casing, when the compression of said air bulbs is released; tubular connection between said air bulbs and said atomizers, whereby the retraction of the pressure on the air bulbs, forces outward
 30 through the nozzle the liquid contents of said atomizers.

2. In a coin operated vending machine, a casing having through its outer walls slots, an axis mounted within said casing, a lever
 35 mounted on said axis and extending outward through said slot in the casing and terminating in a handle, shelves mounted within said casing; atomizers mounted on said shelves, also air bulbs having tubular
 40 connection with said atomizers, tubular connection between said air bulbs and atomizers terminating in a nozzle extending through the side of the casing, bail levers mounted on said axis within the casing, on which
 45 levers are also mounted also coin recepta-

cles, pressers mounted on said bail levers capable of compressing said air bulbs, slots within the outer wall of the casing, inward extending chutes from the slots in the wall of the casing to the coin receptacles, slots
 50 inserted in the coin receptacles, fingers mounted on said levers adapted to move through said slots in the coin receptacles, and to press upon the coin when in said receptacle, a spring tooth catch mounted
 55 within said casing, means for automatically tipping the coin receptacles, causing the coin to engage the teeth of the catch, and means for automatically dropping the coin from the teeth of the catch to the floor of the casing.

3. In a coin operated vending machine, a casing having slots in its outer wall, an axis mounted within the casing, a lever mounted on the axis, and extending outward through
 65 the slot, a handle mounted on said lever, a bail lever mounted on said axis within the casing, shelves mounted within the casing, upon which rest atomizers having tubular connection with a nozzle extending through
 70 the wall of the casing, air bulbs mounted on the shelves, and having tubular connection with the atomizers, pressers mounted on the levers adapted to compress the air bulbs with the downward movement of the levers,
 75 thereby causing a spray of liquid from the atomizers, to be expelled through said nozzle, slotted coin receptacles mounted on said levers, and means for conveying the coin to said receptacles, means for tipping the coin
 80 receptacle by the action of the levers, and thereby causing the coin to drop to the floor of the casing.

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

WILSON E. PORTER.

Witnesses:

FREDERIC C. EARLE,
 GEORGE DUDLY SEYMOUR.