

No. 698,702.

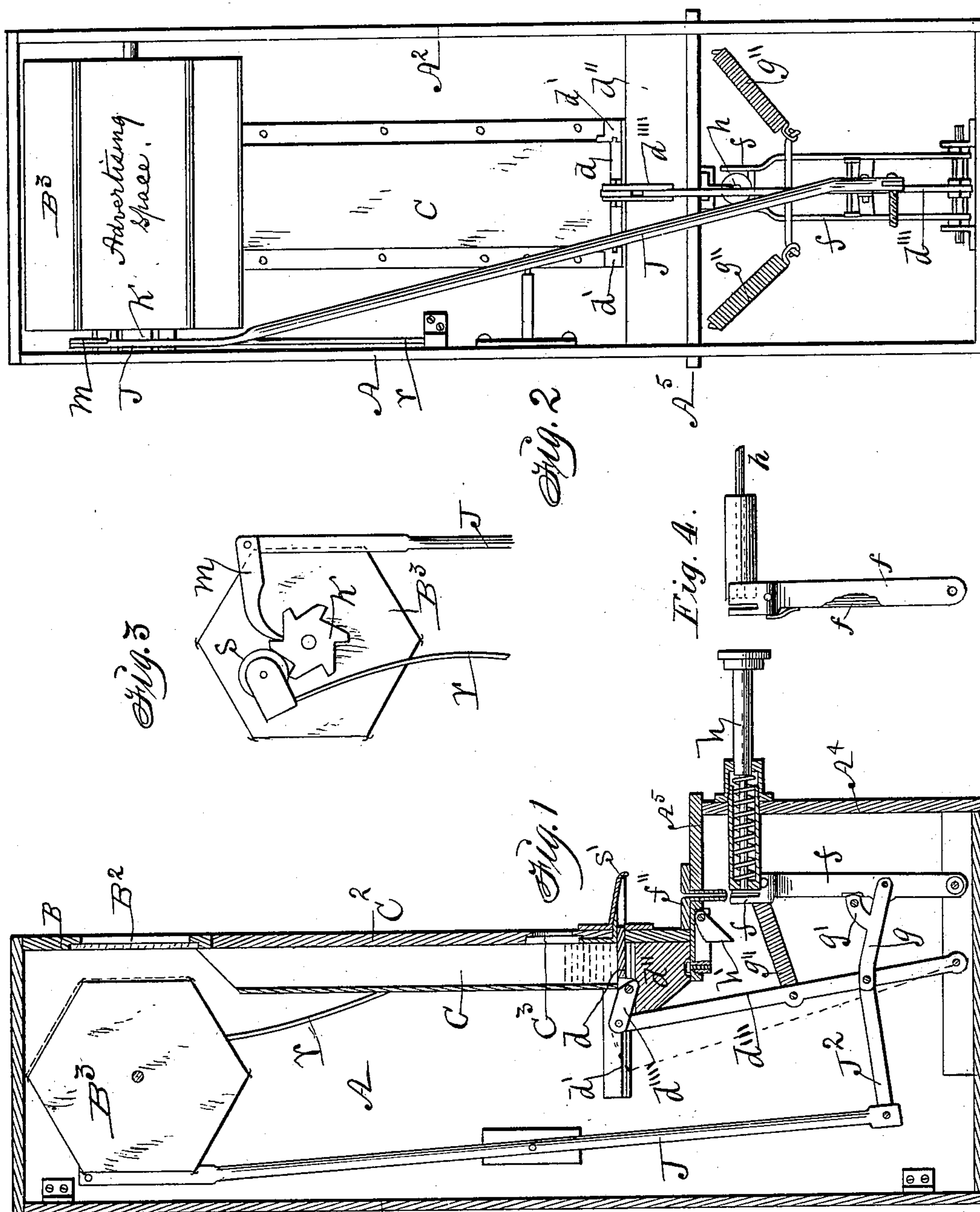
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A. C. GUERNSEY.

ADVERTISING AND SELLING MACHINE.

(Application filed Oct. 5, 1900.)

(No Model.)



Witnesses:

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UNITED STATES PATENT OFFICE.

ANNA C. GUERNSEY, OF DES MOINES, IOWA.

ADVERTISING AND SELLING MACHINE.

SPECIFICATION forming part of Letters Patent No. 698,702, dated April 29, 1902.

Application filed October 5, 1900. Serial No. 32,102. (No model.)

To all whom it may concern:

Be it known that I, ANNA C. GUERNSEY, a citizen of the United States, residing at Des Moines, in the county of Polk and State of Iowa, have invented a new and useful Automatic Advertising and Selling Machine, of which the following is a specification.

My object is to provide a coin-controlled machine adapted for discharging and dealing out to customers pieces, packages, or parcels of merchandise in succession from a chamber within as the price of the article in the form of a coin is dropped in a slot and pressed by a pin in such a manner that the same pressure upon the coin will at the same time by means of a compound lever actuate mechanism for displaying an advertisement of the merchandise immediately in front of the eyes of the operator.

My invention consists in the construction, arrangement, and combination of parts, as hereinafter set forth, pointed out in my claims, and illustrated in the accompanying drawings, in which—

Figure 1 is a vertical central sectional view showing the forms and relative positions of the different operative parts. Fig. 2 is a rear view of the machine from which the back is removed from the case to disclose the mechanism. Fig. 3 is an enlarged detail view of the card-holder and carrier that is located in the top portion of the case to cooperate with the mechanism that receives pieces of coin and discharges articles of merchandise. Fig. 4 is a side view of a coin-carrying frame provided with coinciding slots in its top and an open space for receiving a coin when the frame is in its normal perpendicular position, as shown in Fig. 1; and a tube in which a spring-actuated pin is mounted and the pin in position for engaging a coin.

The letters A and A² designate the side walls of a wooden case that may vary in dimensions to suit the sizes of articles of merchandise that are to be inclosed therein to be successively discharged therefrom.

A³ is a back hinged to one of the parallel sides. The sides are extended laterally at their lower end portions, and A⁴ is a fixed front on the edges of the parallel extensions, and A⁵ a fixed top on the same extensions.

B is a fixed front that extends from the

fixed top A⁵ to the top of the parallel sides A and A².

B² is a window in the top portion of the front, through which advertisements on a card-carrier will be visible.

B³ is a rotatable card-carrier journaled to the parallel sides of the case to be simultaneously operated with the mechanism for automatically delivering merchandise from a chamber in the case by pressure upon a coin dropped through a slot in the case.

C is the wall of a pocket or chamber, preferably made of sheet metal, fixed to the inside of the fixed front B and adapted in size to the pieces or packages of merchandise that are to be placed therein and upon each other, as indicated by dotted lines in Fig. 1.

C² is a movable section of the front B, by means of which access is gained to the chamber as required for piling up articles in the chamber.

C³ is a window in the lower portion of the movable section C².

A sliding bottom *d* for the chamber is fitted in bearings *d'*, fixed to the wall C of the chamber, and upon the top of a block *d''*, that is fixed to the parallel side walls A and A².

d''' is a lever pivotally connected with the bottom of the case and connected at its top with the sliding bottom *d* by means of links *d''''*. A frame *f*, having coinciding slots *f'* in the parallel sides of its top to admit a coin, is also pivotally connected with the bottom of the case, and an escutcheon *f''* is fixed in an opening in the top A⁵ to coincide with the slot *f'* at the top of the frame and has an integral downward extension that is provided with a slot that coincides with the open slots in the tops of the parallel sides of the frame *f* when it is in its normal position, as shown in Fig. 1, and in such a manner that when a coin corresponding in diameter with the width of the slot is dropped through the escutcheon it will enter the slot in the frame to be supported and carried by the frame. The frame *f* is connected with the lever *d'''* by links *g*, that have branches *g'*, adapted to engage the parallel sides of the pivoted frame *f* in such a manner that when the frame is pressed inward the branches will aid in transmitting power from the frame to the lever *d'''* as required to thereby actuate the sliding bottom *d*. Contractile

coiled springs g'' return the lever d''' and the frame f to their normal positions when force applied to the frame f is relaxed.

h is a spring-actuated pin mounted in the front A^4 in such a manner that its inner end can engage a coin in the slot and by pressure against the coin force the frame f and the lever d''' rearward and at the same time store power in the springs g'' , that will return the frame and lever to their former positions when pressure upon the pin is removed.

h' is a pawl pivotally connected with the under side of the top A^5 in such a manner that it will extend down between the parallel sides f of the frame and swing inward to allow a coin to pass to the rear of it; but in the reverse motion of the frame it will engage the coin and prevent the coin from remaining in the top of the frame when the frame resumes its normal position.

J is a lever pivoted to one of the parallel sides of the case and connected at its lower end with the lever d''' by means of a link J^2 . The levers J , d''' , and f are thus combined with the slidable bottom d , the spring-actuated pin h , and the card-carrier B^3 in such a manner as to produce a compound lever for simultaneously operating the slidable bottom and the rotatable card-carrier advantageously by pressing the pin upon a coin supported in the top of the lever f . It is therefore obvious that a force sufficient for actuating the slidable bottom will also be sufficient for operating the card-carrier at the same instant the slidable bottom is actuated.

K is a ratchet-wheel on the axle of the rotatable card-carrier B^3 , and m is a pawl connected with the lever J to engage the ratchet-wheel in such a manner that when the lever is vibrated by pressure upon a coin in the opening in the top of the pivoted frame f it will impart motion to the ratchet-wheel as required to rotate the card-carrier a fraction of a revolution. A detent in the form of a spring r , carrying a roller s at its top, is fixed to the inside of the case to press the roller against the ratchet-wheel K as required to retain the card-carrier normally stationary.

Catch devices on the ends of the card-carrier are adapted to retain cards on the faces of the roller, as indicated by dotted lines in Fig. 1, in such a manner that a card or any other form of advertisement on the carrier will be brought into parallel position with the window B^2 every time the pin h is pressed to engage a coin in the frame f as required to discharge an article of merchandise from the opening in its front that is traversed by the sliding bottom d under the cover s' , fixed to the front B and over said opening. By thus combining automatic mechanism for delivering merchandise and a rotatable card-carrier for advertising the merchandise and jointly operating all the movable parts simultaneously by pressure of a pin upon a coin dropped through a slot into the machine the machine performs a double service for the owner and

the customers who patronize the owner by operating the machine.

From the foregoing description of the construction and functions of the different parts the practical operation and utility of my invention will be obvious to persons familiar with the art to which it pertains, and

What I therefore claim as new, and desire to secure by Letters Patent, is—

1. In a coin-controlled machine, a frame pivoted at its lower end and provided with parallel sides at its top and coinciding vertical slots in the parallel sides of its top for receiving and retaining a coin, a spring-actuated pin mounted in horizontal position to engage a coin placed in said slots, a pawl pivoted above the top of the pivoted frame for engaging and removing the coin from the said slots in the pivoted frame as the frame and pin resume their normal positions, a chamber for merchandise above the pivoted frame and pivoted pawl, a slidable bottom for said chamber and means for connecting the slidable bottom with said pivoted frame, arranged and combined to operate in the manner set forth for the purposes stated.

2. In a coin-controlled machine, a frame pivoted at its lower end and provided with parallel sides at its top and coinciding vertical slots in the parallel sides of its top for receiving and retaining a coin a spring-actuated pin mounted in horizontal position to engage a coin, placed in said slots, a pawl pivoted above the top of the pivoted frame for engaging and removing the coin from the said slots in the pivoted frame as the frame and pin resume their normal positions, a chamber for merchandise above the pivoted frame and pivoted pawl, a slidable bottom for said chamber, means for connecting the slidable bottom with said pivoted frame and means for connecting the pivoted frame with a rotatable card-carrier located above the said chamber for merchandise, arranged and combined to operate in the manner set forth for the purposes stated.

3. In a coin-controlled machine for advertising and selling merchandise, a case having a slot to admit a coin, a frame having a slot in its top to receive a coin pivoted in the case, a spring-actuated pin to engage a coin in the slot of said pivoted frame, a chamber for articles of merchandise above the said slot in the case, a slidable bottom in the chamber, a lever connected with the slidable bottom at its top end, contractile springs connected with the said pivoted frame and the lever and means for conveying hand-pressure to a coin in the top of said pivoted frame, a pawl pivoted to the case for removing the coin from the frame having a slot in its top to receive a coin, a rotatable card-carrier mounted above the chamber for merchandise, a ratchet-wheel on the axle of the card-carrier, a lever having a pawl at its top to engage the ratchet-wheel and a link at its bottom connecting it with the lever that is con-

5 nected with the sliding bottom, all arranged and combined to be jointly and simultaneously operated in the manner set forth, for the purposes stated, by pressure upon the coin.

10 4. A machine for advertising and selling merchandise comprising a case having a forward extension at its front and lower portion, a chamber for merchandise inside of its front
15 wall and above the forward extension, a slidable bottom in said chamber, a spring-actuated frame pivoted in the forward extension, a slot in the top of the extension to admit and direct a coin into a coinciding slot in the top
20 of said pivoted frame, a lever pivoted in the bottom of the case and connected with the slidable bottom of the chamber, a spring-actuated pin mounted in the front of the forward extension of the case to engage a coin
in the top of said pivoted frame, a pawl pivoted to the top of said extension to pull the

coin from the slot in the top of said pivoted frame, a rotatable card-holder mounted in the top of the case, a ratchet-wheel on the shaft of the card-holder, a lever fulcrumed to the
25 inside of the case and provided with a pawl at its top to engage the ratchet-wheel and connected with the lever that is attached to the pivoted frame that has a slot in its top for holding a coin, a window in front of the case
30 in alinement with the card-holder, all arranged and combined to simultaneously operate the slidable bottom of the chamber for merchandise, and the rotatable card-holder for advertising the merchandise by pressure
35 upon a coin placed in the machine and transmitted to said slidable bottom and said rotatable card-holder by said plurality of levers.
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