

(No Model.)

2 Sheets—Sheet 1.

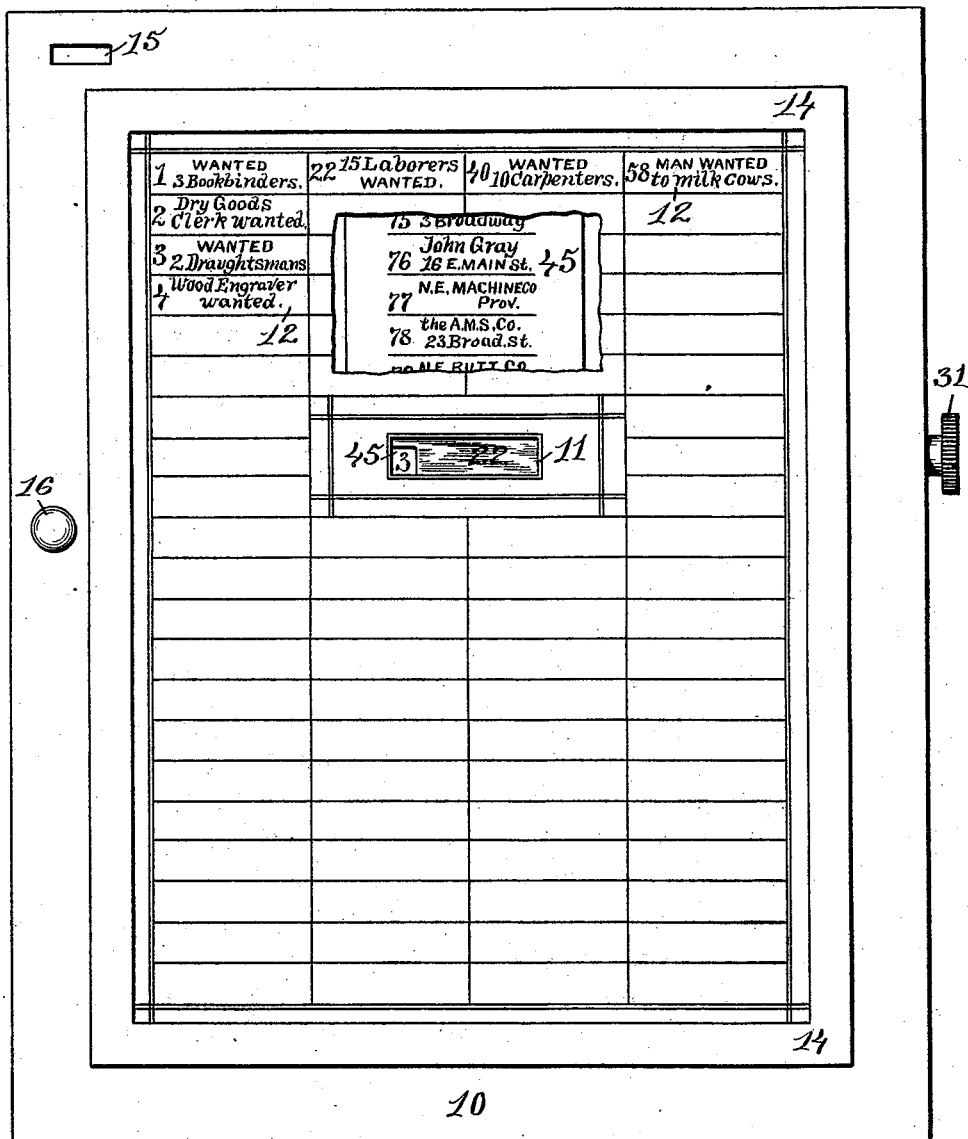
H. A. MANLEY.

COIN CONTROLLED ADVERTISING MACHINE.

No. 523,126.

Patented July 17, 1894.

Fig. 1.



WITNESSES:

Joseph A. Miller Jr.
Chas. H. Luther Jr.

INVENTOR:

Horace A. Manley.
by Henry J. Miller atty.

2 Sheets—Sheet 2.

No. 523,126.

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Fig. 2.

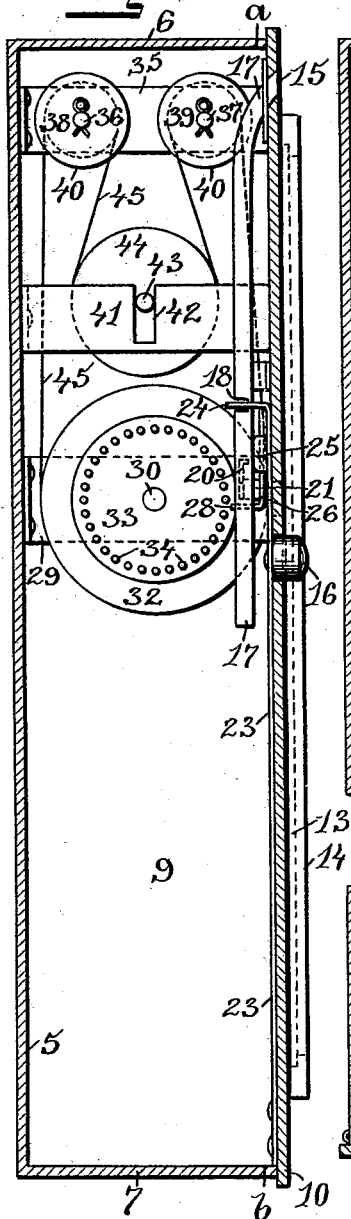


Fig. 3.

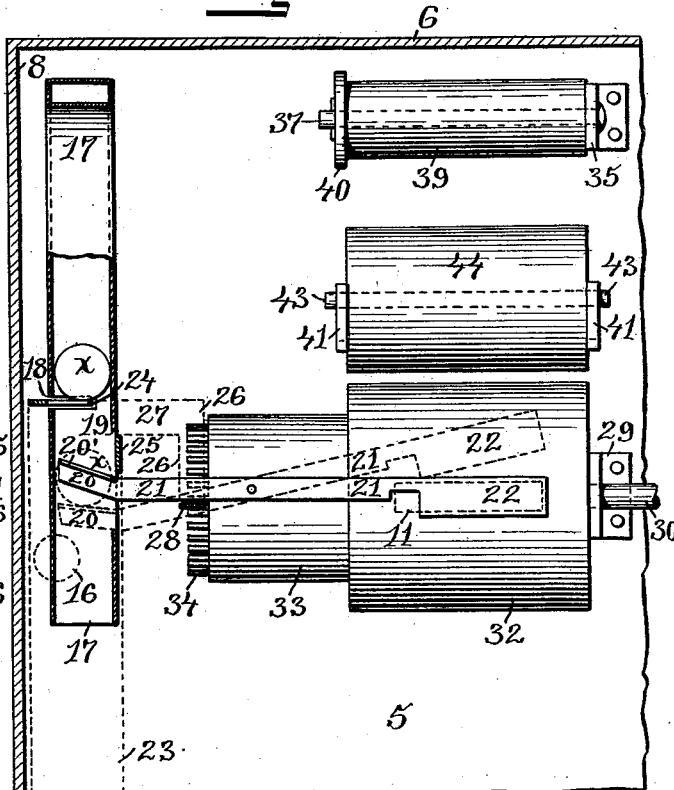
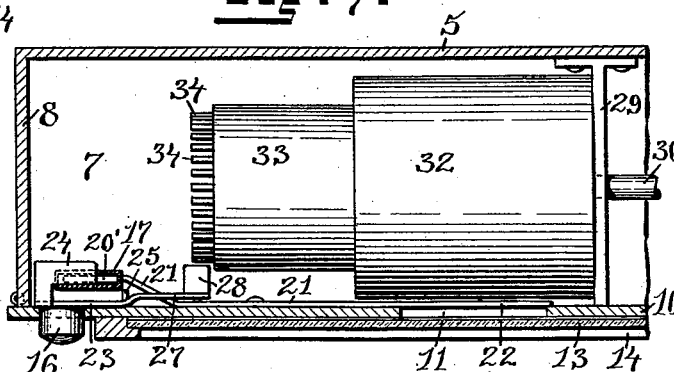


Fig. 4.



WITNESSES:

Joseph A. Miller Jr.
Chas. H. Luther, Jr.

INVENTOR:

Florace A. Manley
by Henry J. Miller Atty.

UNITED STATES PATENT OFFICE.

HORACE A. MANLEY, OF BOSTON, ASSIGNOR TO WILLIAM N. OSGOOD, OF
MALDEN, MASSACHUSETTS.

COIN-CONTROLLED ADVERTISING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 523,126, dated July 17, 1894.

Application filed October 19, 1893. Serial No. 488,606. (No model.)

To all whom it may concern:

Be it known that I, HORACE A. MANLEY, of the city of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Coin-Controlled Advertising-Machines; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

This invention has reference to improvements in coin-controlled machines adapted to be used for advertising and similar purposes.

The object of the invention is to so construct a machine of this class that the names and addresses of advertisers, whose wants are displayed on the machine, may be ascertained through the medium of a coin-controlled mechanism.

Another object of the invention is to so construct a device of this nature as to facilitate the operation of the same.

Still another object is to so construct a machine of this class that the operation of the mechanism, to disclose one address, automatically locks the apparatus carrying the addresses.

The invention consists in the peculiar construction of the device for carrying the addresses and in the mechanism for operating the same.

The invention also consists in the peculiar shutter for closing the slot in the case and the means for operating this shutter.

The invention also consists in the combination with the coin-chute of the novel device whereby the movement of the coin through the same is controlled and the address-device locked against movement.

The invention still further consists in such other novel features of construction and combination of parts as will hereinafter be more fully described and pointed out in the claims.

Figure 1 represents a front view of the improved advertising-device, part of the same being broken away to show the address-strip contained within the case. Fig. 2 is a vertical sectional view of the same. Fig. 3 is a partial vertical sectional view taken on a line from points *a* to *b*, Fig. 2. Fig. 4 is a longitudinal sectional view taken on a line with the up-

per edge of the shutter Fig. 3, the actuating-roller being shown in full.

Similar numbers of reference designate corresponding parts throughout.

In the drawings 5 indicates the back of a case, of which 6 is the top, 7 the bottom, and 8 and 9 the sides,—to the front edge of the side 9 is hinged a door 10, but this door may be hinged to the side 8, or to the top or bottom of the case, or be otherwise secured thereto.

The door 10 is furnished with a name-slot 11 located in a position to correspond with the location of the device carrying the addresses within the case. On the door is displayed a series of advertisements 12—12 each of which is numbered, and covering these advertisements and the slot 11 is a transparent plate 13 secured in the frame 14 which is fastened to the door, while through the upper portion of the door, outside the frame 14, is formed the coin-slot 15, and through the side portion of the door is a perforation in which the knob 16 is free to move.

To the inside of the door 10 is secured, by brackets, the coin-chute 17, the upper end being connected with the coin-slot 15. About mid-way of the length of this chute its back and left hand edge walls are cut away to form the horizontal-slot 18, and below this the opposite edge of the chute has a vertical opening 19 somewhat longer than the width of the chute, and through this opening 19 extends the inclined-end 20 of the lever 21, this inclined portion having a bent over edge 20' to more readily arrest the coin in its passage, and the lever 21 being pivoted to the inside of the door 10 and having at the end opposite the end 20 a shutter 22 adapted to partially close the name-slot 11 in the door, the lever 21 is bent sufficiently to allow the end 20 to enter the coin-chute and move freely therein.

To the inside of the door 10 is riveted the spring 23 having the horizontal-plate 24 working in the slot 18 of the coin-chute, the vertical-plate 25 for partially closing the slot 19 in the side of the chute, and the member 26 depending from the arm 27 which extends sidewise from the upper part of the spring and having at the lower end of the member 26 the inwardly bent end 28. To the main portion of this spring is secured the knob 16

which extends through the perforation in the door. The arm connecting the plate 24 with the upper end of the spring is of a length equal to the distance from the front to the back of the chute,—the arrangement of this spring 23 being such that when pressed inward, by the knob 16, the plate 24 will move through the slot 18 opening the chute to allow the coin to drop on to the ledge 20' of the lever-end 20, at the same time the vertical-plate 25 is brought opposite the opening 19 in the edge of the chute and prevents the coin from rolling out.

The bracket 29 is secured to the back 5, of the case, and extends forward to form a brace for the door 10, in a bearing in this bracket and in a perforation in the side 9 of the case is journaled a shaft 30 having at its outer end the knob 31 by which the shaft may be rotated. On the inner end of this shaft 30 is mounted the larger roller 32 having the extension 33 provided with pins 34—34 or their equivalents which are adapted to be engaged by the bent end 28 of the spring 23 when the spring is pushed inward, thus preventing the rotation of the roller 32.

Extending from the back 5, near the top 6, of the case, is the bracket 35 carrying the parallel shafts 36 and 37, on these shafts are journaled the rolls 38 and 39 having enlarged ends 40, the rollers being so secured as to prevent longitudinal movement while allowing for their ready removal.

Secured to the back 5, of the case, intermediate the rolls 38 and 39 and that marked 32, are the brackets 41—41 having vertical slots 42 and in these slots the ends of the shaft 43, on which the take-up roll 44 is mounted, are vertically movable. On the system of rolls is mounted the endless-band 45, this band extends below and partially around the roll 32, then upward and over the roll 38, then below the take-up, or tension roll, 44, again upward over the roll 39 and finally down to the roll 32,—on the face of this band are printed, or secured, a series of names and addresses numbered to correspond with the advertisements on the outside of the machine.

The operation of the device is as follows,—it being supposed that the address of the party advertising under number 40 is wanted, the knob 31 is first turned until the number 40 appears at that portion of the slot 11 left uncovered by the shutter 22, a small coin is now placed in the coin-slot 15, the coin passing down the coin-chute is arrested by the plate 24, the button, or knob, 16 is now pushed inward,—the plate 24 moving through the slot 18 in the back of the chute allows the coin to fall on the bent over ledge 20' of the lever-end 20 the weight of the coin being sufficient to overbalance the weight of the shutter,—the end 20 of the lever 21 is depressed while the shutter is raised and exposes the address of the advertiser to view. At the same time that the plate 24 is pushed from beneath the coin the vertical plate is

moved to partially close the opening 19 in the edge of the chute, while the bent end 28 of the member 26 passes between two of the pins 34 and prevents the rotation of the roll 32 to advance another address. The button 16 is held in until the name and address is copied and being then released the upper end of the spring flies back against the door moving the vertical plate 25 away from the opening 19 and allowing the coin to pass through that opening into the case 5, the weight of the coin being removed from the lever the shutter falls back into place and closes the name-slot and the device is in position to be operated as before.

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

1. In an advertising-machine, the combination with a case, a door or cover therefor having a name-slot and a coin-slot, a coin-chute extending downward from the coin-slot inside the door and having a horizontal slot cut through one edge and the back and an opening in the opposite edge, a lever, pivoted to the inside of the door, having an inclined end extending within the coin-chute, and a shutter at the opposite end for closing the name-slot in the door, a spring riveted to the lower inner surface of the door and having a horizontal plate movable through the horizontal slot in the coin-chute, and a vertical-plate for partially closing the opening in the edge of the chute, and mechanism within the case for carrying a series of names and addresses.

2. In an advertising-machine, the combination with a case, a series of rollers supported therein, an endless band furnished with numbered advertisements mounted on the rollers, a shaft connected with one of the rollers and extending through a perforation in the side of the case, and an extension on said roller adapted to be engaged, of a door hinged to the case and having a coin-slot and a name-slot, a series of advertisements displayed on the door, a coin-chute extending downward from the coin-slot inside the door and having a horizontal slot in the back and one edge and an opening in the opposite edge, a lever, pivoted to the inside of the door, having an inclined end extending through the opening in the edge of the chute movable therein; and a shutter for closing the name-slot in the door, a spring secured to the inside of the door having a horizontal plate movable in the corresponding slot of the chute, a vertical plate for partially closing the opening in the edge of the chute, and a member having an inwardly extending end adapted to engage a portion of the extension on the band roll above mentioned, and a button secured to the spring and extending through a perforation in the side of the door, as described.

3. In an advertising-machine having an incased rotatable mechanism for carrying names and addresses, and a device on such mechanism adapted to be engaged to prevent

the rotation of the mechanism, the combination with such mechanism, of a spring 23 secured at its base and having the depending member 26 furnished with the bent end 28 adapted to engage a portion of the rotating mechanism and connected with the upper end of the spring 23 by the arm 27, as described.

4. The combination with a case having the back 5, the top 6, the bottom 7 and the sides 8 and 9, the bracket 29 secured to the back, the shaft 30 journaled in a bearing in this bracket and extending through a perforation in the side 9, the outer end being furnished with the knob 31, the roll 32 mounted on said shaft and having the extension 33 provided with the pins 34, the brackets 41—41 extending from the back 5 above the roll 32 and having vertical slots 42, the roll 44, mounted on the shaft 43, the ends of which are movable in said vertical slots, the bracket 35 extending from the upper portion of the back 5, the shafts 36 and 37 secured at their ends in this bracket, the rolls 38 and 39 rotatable on said shafts, and the name-band 45 mounted on said system of rolls, as described, of the door 10, hinged to the case, having the slots

11 and 15 and carrying a series of advertisements, the coin-chute 17 extending downward from the slot 15, inside the door, and having the horizontal slot 18 and the edge opening 19, the lever 21 pivoted to the inside of the door and having the inclined end 20 furnished with the bent edge 20' extending within the coin-chute, and at the opposite end the shutter 22 for partially closing the slot 11, the spring 23 riveted at its lower end and having the horizontal plate 24 movable through the slot 18, the vertical-plate 25 for partially closing the opening 19 of the coin-chute, and the depending member 26 having the bent end 28 adapted to engage between two of the pins 34 when the spring 23 is pushed inward, and the button 16 secured to the spring 23 and extending through a perforation in the door 10, as and for the purpose described.

In witness whereof I have hereunto set my hand.

HORACE A. MANLEY.

Witnesses:

CHAS. H. LUTHER, Jr.,
JOSEPH A. MILLER, Jr.