

(No Model.)

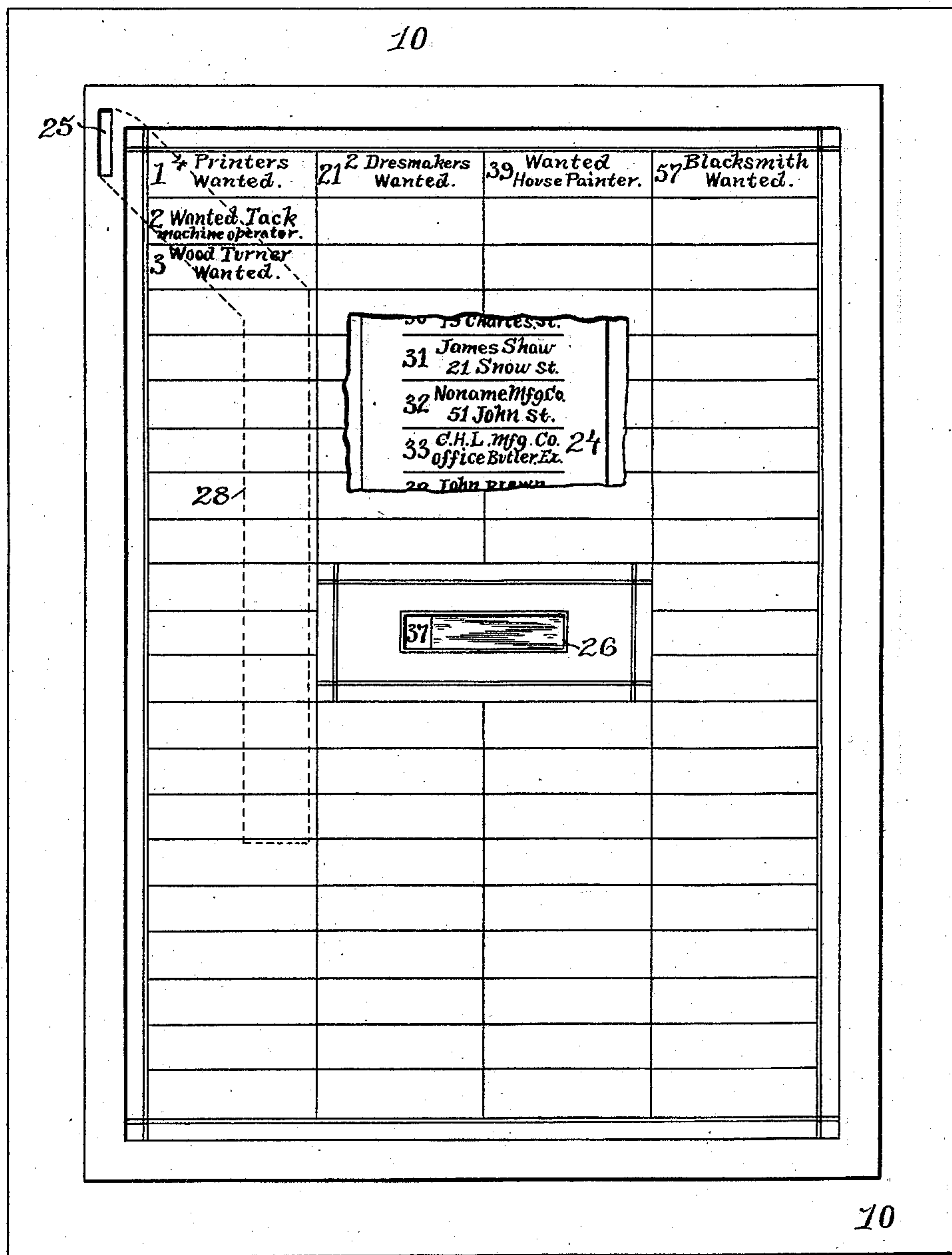
2 Sheets—Sheet 1.

H. A. MANLEY.
COIN CONTROLLED MACHINE.

No. 524,833.

Patented Aug. 21, 1894.

Fig. 1.



WITNESSES:

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Chas. H. Luther Jr.

INVENTOR:

Horace A. Manley.
by Henry J. Miller
att'y.

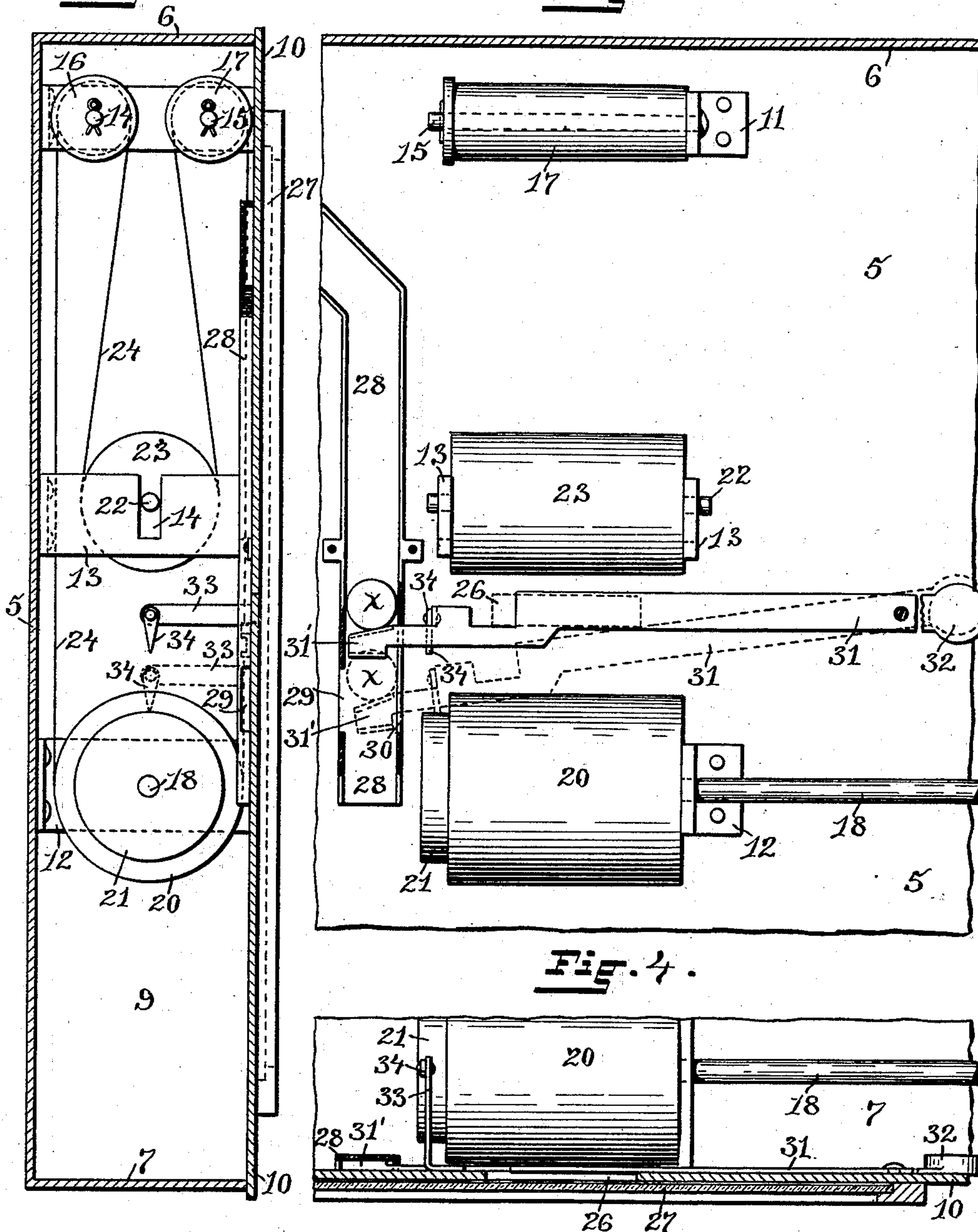
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Fig. 2.

Fig. 3.



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INVENTOR:

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UNITED STATES PATENT OFFICE.

HORACE A. MANLEY, OF BOSTON, ASSIGNOR TO WILLIAM N. OSGOOD, OF
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COIN-CONTROLLED MACHINE.

SPECIFICATION forming part of Letters Patent No. 524,833, dated August 21, 1894.

Application filed October 27, 1893. Serial No. 489,313. (No model.)

To all whom it may concern:

Be it known that I, HORACE A. MANLEY, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in 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 which are particularly adapted for use as advertising-devices.

The object of the invention is to simplify the construction of coin-controlled advertising mechanisms.

Another object of the invention is to so construct a coin-controlled advertising-mechanism that when released from the weight of the coin, the mechanism, operated thereby, will automatically return to place.

Still another object of the invention is to so construct an advertising-machine that the setting of the same from one name to another will operate to automatically cover the address or name band.

The invention consists in the peculiar construction of the case together with the novel shutter-lever and the coin-chute.

The invention still further consists in such other peculiar 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 elevation of the improved machine part of the same being broken away to show the name or address band within the case. Fig. 2 represents a vertical sectional view of the same. Fig. 3 represents an interior view of portions of the case showing the internal mechanism, the name-band being removed. Fig. 4 represents a cross-sectional view of portions of the case taken just above the shutter-lever.

Similar numbers of reference designate corresponding parts throughout.

In carrying my invention into practice I form a shallow metallic case having a back 5, a top 6, a bottom 7 and sides as 9,—to close the open side or front of the case I make use

of a door 10 secured in any desired manner to the case, but preferably hinged to one of the sides and secured to the opposite side, the size of the door or case being immaterial. To the back 5 of the case are secured the upper and lower brackets 11 and 12 and the intermediate brackets 13—13, these brackets extend forward and form stops, or braces, for the inner surface of the door 10,—in the bracket 11 are secured the shafts 14 and 15 on which are loosely mounted the rolls 16 and 17 being held from longitudinal movement on the shafts by any suitable device,—in a bearing of the bracket 12 is journaled the shaft 18 which extends through a perforation in the side 9 of the case and is provided at its outer end with the knob 19 by means of which the shaft 18 and the large roll 20, mounted on the inner end of the same, may be rotated,—from this roll 20 extends the cylindrical step 21 generally of a less diameter than that of the roll, this step may, if desired, be furnished with a roughened surface either in the shape of teeth or otherwise. The brackets 13—13 have vertical slots 14 and in these slots is guided the shaft 22 on which the tension or take-up roll 23 is mounted.

The name or address belt 24, so called because it carries a series of numbered names and addresses, extends under the operating-roll 20, over the upper rolls 16 and 17 between which the band has a loop in which the tension-roll 23 rests, and finally down to the operating-roll, the ends of the band being joined to make the same continuous.

The door 10 is furnished with an upper coin-slot 25, and a name-slot 26 located approximately opposite the location of the operating-roll 20,—on the face of the door is removably mounted a series of numbered advertisements which are protected by a transparent-plate 27 covering the entire central portion of the door. To the inner surface of the door is secured the coin-chute 28 which extends downward from the coin-slot 25 to a point below the name-slot,—the lower edges of this coin-chute have the vertical openings 29 and 30, that marked 30 being longer than that marked 29 and extending considerably above the same, while their lower ends may be on a horizontal plane, the upper end of the

opening 30 being generally on a line with the lower edge of the name-slot 26.

Pivoted to the inner surface of the door 10, on about a line with the name-slot, is a lever 31 provided with a counterweighted end 32,—the main portion of this lever forms a shutter to close the name-slot, a portion of the lever being cut away to leave a small part of said slot open through which a number on the name-band within the case is exposed to view. The free end 31' of this lever extends through the opening 30 in the edge of the coin-chute and its upper edge is bent over to form an inclined ledge on which a coin may rest,—from that portion of the lever near the coin-chute extends an arm 33 on the inner end of which is pivoted the tapering pawl, or support, 34, this support is thus brought above the step 21 of the operating-roller 20, or, if the location of the parts be slightly changed, the pawl may be above one end of the operating-roll.

When it is sought to operate the device the number of any advertisement on the face of the device is noted, the knob 19 is then turned until a corresponding number appears in the name-slot, a penny or other suitable coin is then inserted through the coin-slot, this passes down through the coin-chute, which may be straight or inclined, and rests on the inclined ledge of the pivoted lever 31, as shown in full in Fig. 3,—the weight of the coin depresses this end of the lever 31 until the pointed end of the pawl 34 rests on the step 21 of the roll 20 and the main portion of the lever passes from before the name of the advertiser, on the name-band 24, which has been brought opposite the name-slot, the name can then be copied, as the lever being supported by the pivoted pawl resting on the step 21 prevents the depression of the free end 31' of the lever sufficiently to allow the passage of the coin from the inclined ledge of the lever through the opening 29 of the coin-chute, if, however, a slight turn be given to the knob 19 for any purpose, the lower end of the pawl will be moved out of the vertical plane of its pivot and will no longer support the free end of the lever 31 which will be depressed until it assumes a position where the coin can pass through the opening 29 of the coin-chute, whereupon the lever being released from the weight of the coin is brought back into place by the counterweight 32 and the shutter is once more interposed between the name-band and the name-slot. By the use of this simple support for the lever it is not necessary to lock the name-band against operation as but one name can be stolen and that the one for which a coin has previously been paid.

It is understood that the advertisements

and their corresponding names and addresses will be changed from time to time.

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 cover therefor having an upper coin-slot and a central name-slot and a coin-chute extending downward from the coin-slot within the case, the chute having oppositely-located openings 29 and 30, of the shutter-lever 31, pivotally supported within the case, having the counterweight 32, the arm 33, a pivoted support on said arm, and an end 31' extending within the coin-chute, and a rotative device adapted to engage the pivoted support of the arm 33 when the lever is partially depressed.

2. In an advertising-machine, the combination with a case having the back 5, the top 6, the bottom 7, the sides 8 and 9, and a cover having a centrally located slot, or opening, of the brackets 11 and 12 secured to the back 5, shafts 14 and 15 secured to the bracket 11, rolls 16 and 17 journaled on said shafts, a shaft 18 journaled in the bracket 12 and extending through a perforation in the side 9, the roll 20 mounted on this shaft and having a step 21, the brackets 13—13 also secured to the back 5 and having guide-slots 14, the shaft 22, carrying the roll 23, movable in said slots, an endless band mounted on said rolls 16, 17 and 20 and having a loop in which the roll 23 rests, and a counterweighted lever pivotally supported within the case and having an arm projecting from the main body and provided with a pivoted support adapted to rest on the step 21 of the roll 20 when the lever is partially depressed.

3. In an advertising-machine, the combination with an incased name-carrying device, of a door, or cover, therefor having a coin-slot and a name-slot, a series of advertisements displayed adjacent thereto, a coin-chute extending downward from the coin-slot inside the door having openings in the lower edges, a counterweighted shutter-lever pivoted to the inner surface of the door having an end furnished with an inclined upper surface extending within the coin-chute and an arm extending at an angle with the main portion and carrying a pivoted support, and a rotative device within the case adapted to engage the support.

In witness whereof I have hereunto set my hand.

HORACE A. MANLEY.

Witnesses:

WINFIELD S. SLOCUM,
WILLIAM N. AMBLER.