

M. W. KIRKLAND.
 COIN RECEP-TACLE.
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1,007,117.

Patented Oct. 31, 1911.

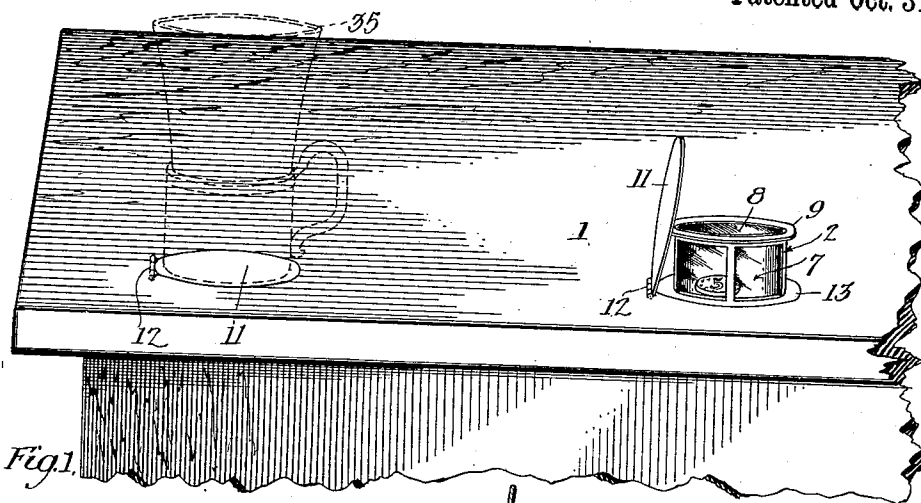


Fig. 1.

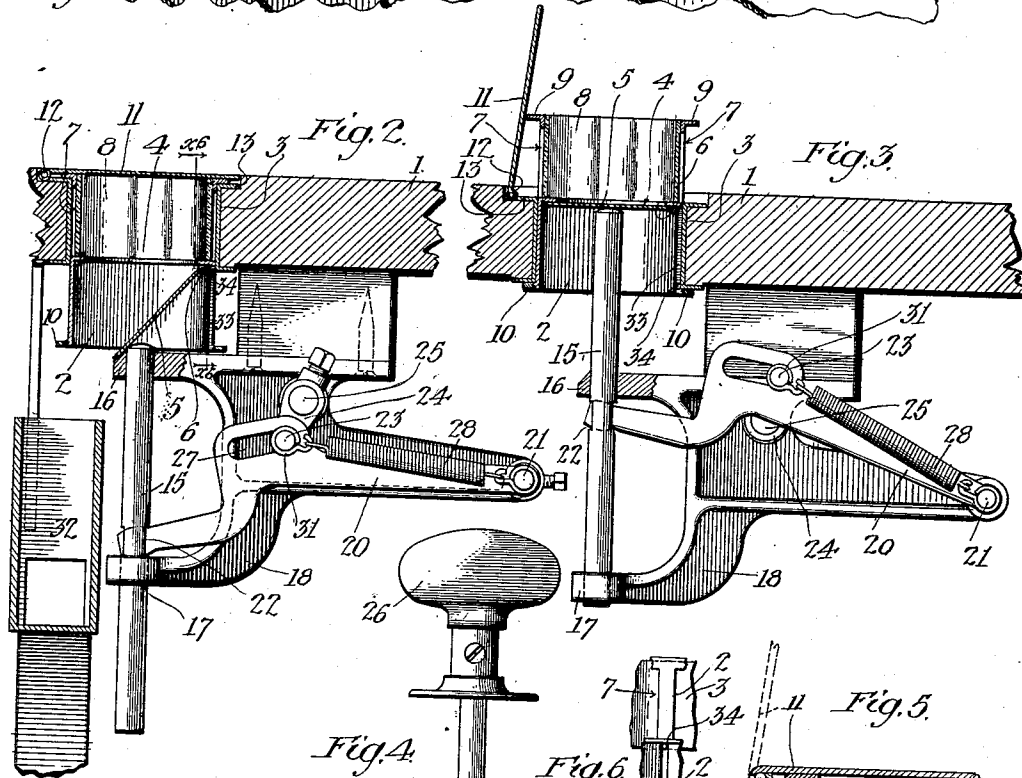


Fig. 2.

Fig. 3.

Fig. 4.

Fig. 6.

Fig. 5.

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UNITED STATES PATENT OFFICE.

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COIN-RECEPTACLE.

1,007,117.

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To all whom it may concern:

Be it known that I, MARY W. KIRKLAND, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented a new and useful Coin-Receptacle, of which the following is a specification.

This invention is intended for use particularly in connection with soda fountains, cash sale stores, etc., and the main object of the invention is to provide simple and inexpensive mechanical means for receiving and collecting the money paid by the purchaser, and to do away with handling of the money by the dispenser.

Another object of the invention is to provide for greater speed in serving a crowd by obviating the necessity of the dispenser having to remember who has paid and who has not paid.

Another object of the invention is to avoid risk of loss by preventing any customer from leaving without paying.

Other objects of the invention will appear hereinafter.

The accompanying drawings illustrate the invention, and referring thereto:

Figure 1 is a perspective of a counter provided with coin receptacles. Fig. 2 is a vertical section of one of the coin receptacles in normal position. Fig. 3 is a similar section showing the receptacle in operated position, for receiving the money. Fig. 4 is a plan of the operating means for the coin receptacle. Fig. 5 is a horizontal section showing the hinge construction for the receptacle. Fig. 6 is a fragmentary section on line x^x-x^x in Fig. 2.

The coin receptacles are disposed at suitable locations along the counter or support 1, for example, directly in front of a seat for each customer, and each receptacle consists of a tubular member 2 slidable vertically in guide tube 3 in the counter 1. Said tubular member 2 is open at the top and bottom and is provided with a flange 4 intermediate between its upper and lower ends, a closure or bottom member 5 being hinged at 6 to said flange 4 and adapted to swing up against the bottom of the flange 4 to form a closure or bottom for the space within the tubular member 2 above said bottom 5, this space constituting the coin receptacle.

In order to facilitate inspection of the contents of the coin receptacle, slots or open-

ings 7 are formed in the wall thereof and a glass tube 8 placed within the tubular member 2 resting on the flange 4, said glass tube serving to hold the coins in place in the receptacle. The tubular member 2 is provided with outwardly extending flanges 9 and 10 at its upper and lower ends, the flange 10 for example, being screwed in place after the member 2 is inserted within the guide tube 3, these upper and lower flanges serving as stops to limit the downward and upward motions of the tube 2. A lid 11 is hinged at 12 to a flange 13 on the guide tube 3, said lid normally extending over the top of said tube to cover the same, but swinging upward to open position as shown in Fig. 3, when the coin receptacle is raised by engagement of said coin receptacle with said lid. The hinge 12 of the lid has stops 14 to prevent the lid passing the vertical position.

Suitable operating means are provided for raising the coin receptacle when required or allowing it to descend to normal position, for example, an operating pin 15 may be provided sliding in guides 16, 17, on a bracket 18 secured to the bottom of the counter 1, said rod 15 being adapted to engage beneath the bottom member 5 for the coin receptacle to lift said bottom member and the coin receptacle, and being operated by a lever 20 pivoted at 21 on the bracket 18 and engaging with the slotted portion 22 in said rod 15, said lever 20 being operated by a pin 23 on an arm 24 carried by a rock-shaft 25, journaled in the bracket 18 and extending rearwardly to the inside of the counter where it is provided with an operating knob or handle 26. Pin 23 engages in a slot 27 in lever 20 to allow for the relative movement of the parts. A spring 28 connected to the pivoted pin 21 for the lever 20 and to a clevis or sleeve 31 on the pin 23 extends to hold the operating arm 24 in either normal or operated position and to throw the device over from one position to the other as soon as it passes the dead center. A cash receiver on chute 32 is provided in position to receive the coin as it drops from the closure or bottom member 5. A pin 34 on guide 3 engages in a slot 33 in tube 2, to prevent rotation of the tube.

The operation is as follows: When a customer sits or takes his position in front of the counter and gives the order to the clerk

or dispenser, the clerk turns the knob or handle 26 so as to raise the lever 20 and in the resulting upward motion of the rod 15 the top of the rod first engages the bottom member 5 to raise said bottom against the flange 4 and then on further upward movement, to raise the entire tubular member 2 with the coin receptacle at the upper end thereof, the bottom of the coin receptacle being closed at this time by the lifting of the bottom member 5 as explained. This upward movement of the coin receptacle also operates to lift the lid 11 to position shown in Fig. 3. The customer having been notified by the clerk if necessary, as to the amount or price of the order, deposits such amount in the coin receptacle and when the clerk returns for the order and observes that such amount has been deposited in the coin receptacle, he turns the knob in the reverse direction so as to lower the coin receptacle, the lid then closing down by gravity and in the further downward movement of the rod 15, the bottom member 5 is allowed to drop to position shown in Fig. 2, the coin sliding out into the cash receiver or chute 32. The provision of the spring 28 insures that when the downward movement has proceeded far enough to lower the coin receptacle and bring the lid 11 down onto the counter or flush therewith, the downward movement of the operating means will be completed by the spring snapping over the dead center thereby allowing the bottom member 5 to descend and insuring removal of the coin from the receptacle by gravity, so that there is no possibility of a coin being retained in the receptacle in position where a customer or clerk could secure it. When the parts have assumed the normal position shown in Fig. 2 the top of the counter is unobstructed for depositing the order thereon and the clerk, having deposited the order on the lid 11, as indicated at 35 in Fig. 1, is free to attend to other business without further attention to this customer. The lid 11 when it is raised constitutes an obstruction which prevents the order being placed conveniently before the customer until the coin receiver descends and when the lid is down, it is

flush with the counter so that the surface of the counter is clear and level.

What I claim is:

1. A support, a coin receptacle vertically movable in said support, a lid connected to the support and extending over the coin receptacle when in lowered position and adapted to be raised by the coin receptacle, a movable closure member at the bottom of the coin receptacle and operating means for raising and lowering said coin receptacle and for opening and closing said movable closure.

2. A support, a coin receptacle vertically movable therein, a lid hinged to said support at one side of said coin receptacle, a closure member serving as a bottom for the coin receptacle and hinged therein, a vertically movable operating means engaging with said closure to close the same in the upward movement of said operating means, and to lift the coin receptacle in the further upward movement of said operating means, and means for moving said operating means vertically.

3. A support, a coin receptacle vertically movable therein, a lid hinged to said support at one side of said coin receptacle, a closure member serving as a bottom for the coin receptacle and hinged therein, a vertically movable operating means engaging with said closure to close the same in the upward movement of said operating means, and to lift the coin receptacle in the further upward movement of said operating means, and means for moving said operating means vertically, comprising a lever connected to said operating means, a shaft provided with an arm engaging said lever and with handle means and a spring connected to said arm to move the same either way from the dead center.

In testimony whereof, I have hereunto set my hand at Los Angeles, California this 7th day of November, 1910.

MARY W. KIRKLAND.

In presence of—

ARTHUR P. KNIGHT,
FRANK L. A. GRAHAM.