(No Model.)

H. M. BRIGHAM.

COIN HOLDER.

No. 449,280. Patented Mar. 31, 1891.

Fig. 1.

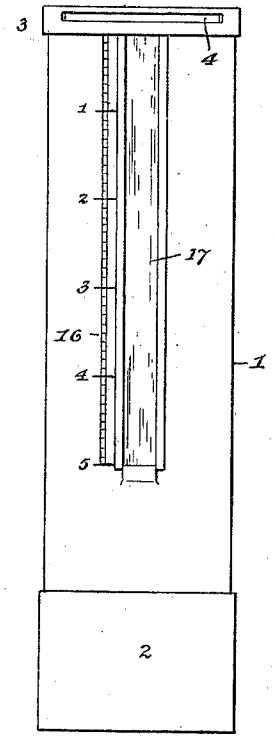


Fig. 2.

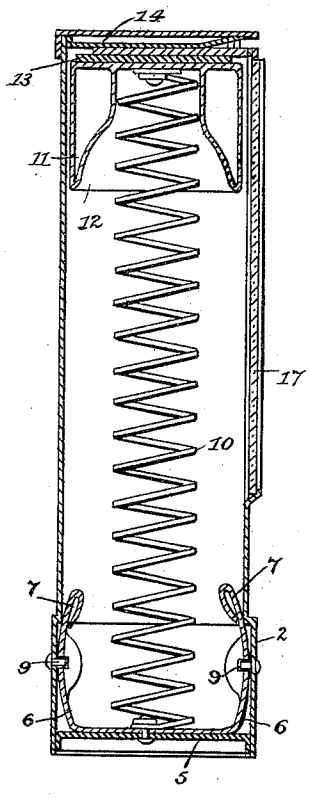


Fig. 3.

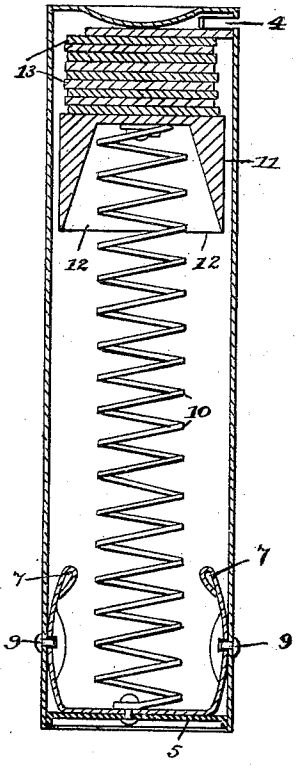


Fig. 4.

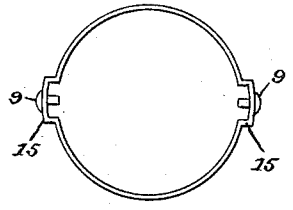


Fig. 5.

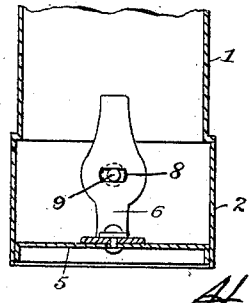
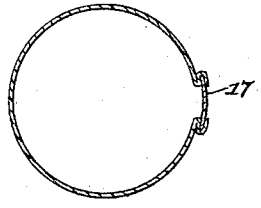


Fig. 6.



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COIN-HOLDER.

SPECIFICATION forming part of Letters Patent No. 449,280, dated March 31, 1891.

Application filed November 26, 1890. Serial No. 372,678. (No model.)

To all whom it may concern:

Be it known that I, HENRY M. BRIGHAM, a citizen of the United States, residing at the city of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Coin-Holders, of which the following is a full, clear, and exact description, reference being had to the drawings forming part hereof, in which similar numerals of reference designate like or equivalent parts wherever found throughout the several views.

My invention relates to that class of coin-holders or money-boxes from which the money is automatically removed when the holder or box is full, and in said drawings—

Figure 1 represents a front elevation; Fig. 2, a central vertical section; Fig. 3, a central vertical section of a modified form; Fig. 4, a cross-section of another modification, and Figs. 5 and 6 details of my improvement.

Referring to the drawings, the numeral 1 designates a tube of any preferred material, and in the construction shown in Figs. 1 and 2 this tube is provided with an enlarged base 2 and a cap 3. The cap 3 is firmly secured to the tube and is provided with a transverse slot or guide 4, through which the coin is inserted into the holder or box. This slot is intended to be of just such dimensions as to admit the coin which the box is intended to hold, and this is also true of the tube 1. To illustrate: If the holder is intended for dimes, the slot 4 will be of the exact dimensions of a silver ten-cent piece, and the inside diameter of the tube 1 will also be substantially the same as or slightly greater than that of said coin. The holder is intended for coins of but one denomination only, and if it is required for nickels, quarters, half-dollars, or dollars the dimensions of the slot 4 and tube 1 should be correspondingly proportioned. It is evident, however, that coins the dimensions of which do not greatly differ—such as pennies, dimes, and nickels—if the device is properly constructed, may be put in the same holder.

The tube 1 is provided with a removable bottom 5, to which is secured the springs 6, which extend upwardly therefrom, preferably at diametrically-opposite points, and are curved at the top, as shown at 7, for purposes hereinafter described. These springs are provided with openings 8, preferably oblong in form, into which, when the bottom is in position, enter the lugs or projections 9, formed on or attached to the sides of the tube 1 or the enlarged portion 2 thereof at diametrically-opposite points, and which project inwardly, preferably, to about the line of the inner wall of the main parts of the tube 1. The springs 6 are preferably formed of one piece, bent as shown in Figs. 2 and 3, and secured to the center of the bottom 5 by a rivet or otherwise, and secured to said bottom, preferably by the same means, is a spiral spring 10, to the top of which is attached a follower or movable plug 11, preferably of the form shown, having a downwardly-projecting annular rim 12. The normal position of this follower or plug 11 is at the top of the tube 1, as shown in Fig. 2. As the coins 13, two of which are shown in said Fig. 2, are forced in through the slot 4 the follower or plug 11 is pressed down, as shown in Fig. 3, and when a sufficient number of coins are inserted and the follower is pressed downward till the flange 10 reaches the springs 6 said springs will be forced inward until they are released from the projections 9, when the bottom 5 will drop out, carrying with it the spring 10 and follower 11, when the coins will also drop out of the holder.

The cap 3 is preferably concave on its under surface, as shown in Fig. 3, whereby, when the coins are forced in through the slot 4, they are also pressed down, so that the upper face thereof is below the lower edge of the slot, as shown in Figs. 2 and 3, and cannot be removed until the holder is full, as hereinbefore described. However, I may secure thereto a beveled piece 14, as shown in Fig. 2, which will serve the same purpose.

It will be observed that in Fig. 3 the cap and tube 1 are formed integral and the side walls of the holder are of the same diameter throughout. In this form of construction the follower or plug 11 should be made of less diameter than the inner diameter of the tube 1 and sufficiently so to admit of its passing the projections 9 in being inserted in and removed from the tube. The same result, however, may be obtained by making the follower the same size as in Fig. 2 and forming verti-

cal grooves or corrugations in the sides thereof, through which the projections 9 could pass.

By curving the top of the springs 6, as shown at 7, the coils of the spring 10 will not catch thereon, even if brought in contact therewith, as the spring is forced down by the coins in the operation of filling the holder, and the flange 12 of the follower 11, when the latter is made smaller than the tube 1, is also in the downward movement thereof prevented from striking upon the top of these springs and interfering with the operation of the device.

In Fig. 4 is shown a cross-section of a modification of the form of construction shown in Fig. 2, in which vertical recesses 15 are formed in the tube 1, into which the springs 6 are intended to enter, which take the place of the annular enlargement 2; and it is evident that many other changes or modifications may be made in the construction herein shown and described without departing from the scope of my invention.

In Fig. 1 I have shown a scale 16 adjacent to a transparent strip or plate 17, of glass, mica, or other suitable material, covering a slotted opening in the tube 1, whereby the amount or number of coins in the holder may be determined at any time. This holder, as shown by the scale, is intended for dimes, and is so constructed as to hold five dollars, and when fifty ten-cent pieces have been inserted through the slot 4 the top of the follower 11 will be even with the numeral "5" on the scale, and the holder will be opened by the operation of the flange 12 on the springs 6, and the bottom 5, together with the spring 10 and follower 11, will drop from the tube, as hereinbefore described. My invention, however, is not limited to this particular form of scale, nor to the means for locking the bottom in its normal position shown and described, any form of locking device or mechanism that can be operated in the same manner to produce the same result being regarded as the equivalent and as coming within my invention.

Having fully described my invention, its construction, and operation, I claim and desire to secure by Letters Patent the following:

1. A coin-holder consisting of a single tube having end pieces by which it is closed at both ends and provided with a slot or guide through which the coins are inserted, one of the end pieces being automatically released by the pressure of the coins when a predetermined number is inserted in the operation of filling the holder, substantially as shown and described.

2. A coin-holder consisting of a single tube having a fixed cover and a removable bottom and means whereby the coins may be inserted, the bottom being automatically released by the pressure of the coins when a predetermined number is inserted, substantially as shown and described.

3. A coin-holder composed of a single tube having a fixed cover and a removable bottom, in combination with locking devices for holding the bottom in its normal position and a follower or movable plug which is depressed as the holder is filled and by which the locking devices are operated and the bottom released, substantially as shown and described.

4. A coin-holder consisting of a single tube having a fixed cover and a removable bottom, in combination with locking devices for holding the bottom in its normal position and a movable spring-supported plug or follower which is depressed as the holder is filled and by which the locking devices are operated and the bottom released, substantially as shown and described.

5. In a coin-holder, the combination, with a single tube having a fixed and a removable end and means for locking the removable end in its normal position, of a movable plug which is depressed as the holder is filled and by which the removable end is released, substantially as shown and described.

6. In a coin-holder, the combination, with a single tube having a fixed cover and a removable bottom and locking devices for holding the bottom normally in position, of the spring-supported follower or plug which is depressed in the operation of filling the holder and by which the locking devices are operated and the bottom released, substantially as shown and described.

7. In a coin-holder, the combination of the tube 1, having the slot 4, the bottom 5, having the springs 6, the spring 10, and the follower 11, substantially as shown and described.

8. A coin-holder consisting of a single tube having a fixed cover, a removable bottom, a longitudinal slot, as 16, covered by a transparent strip, as 17, and means whereby the coins may be inserted, the bottom being automatically released by the pressure of the coins when a predetermined number is inserted, substantially as shown and described.

9. A coin-holder consisting of a single tube having a fixed and a removable end piece, an opening for the admission of coins, a scale for measuring the amount of coins within the holder, and means for releasing the removable end piece and discharging the coins only when the requisite number has been inserted, substantially as shown and described.

10. A coin-holder consisting of a single tube having a fixed and a removable end piece, an opening for the admission of coins at or near the fixed end, and releasing devices operated when a predetermined number of coins is inserted to release the removable end piece and discharge the coins, substantially as shown and described.

11. A coin-holder consisting of a tube having a fixed and a removable end piece, an opening for the admission of coins at or near the fixed end, and releasing devices operating, in connection with the column of coins,

to release the removable end piece and discharge the coins only when a predetermined number has been inserted.

12. A coin-holder consisting of a single tube having a fixed and a detachable end, an opening for the insertion of the coin at the fixed end, and means for detaching the detachable end and discharging the coin only when the requisite number has been inserted.

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