J. M. JOHNSON.

COIN HOLDER FOR COIN COUNTING MACHINES.

APPLICATION FILED JUNE 21, 1915.

1,241,632. Patented Oct. 2, 1917.

Fig. 1

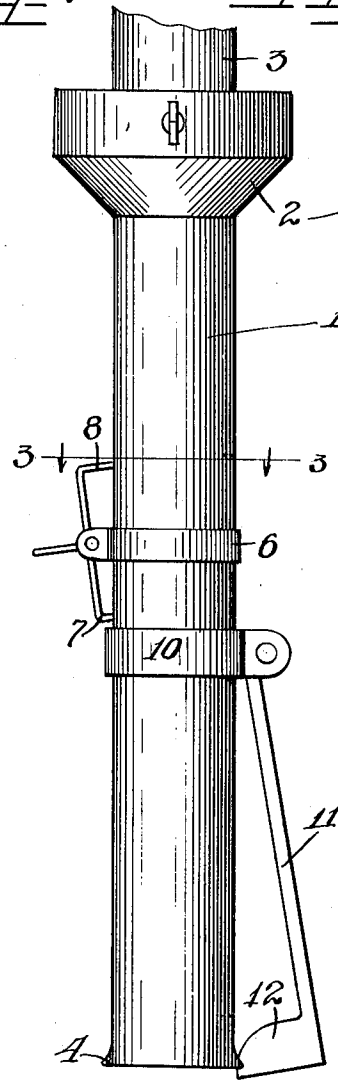


Fig. 2

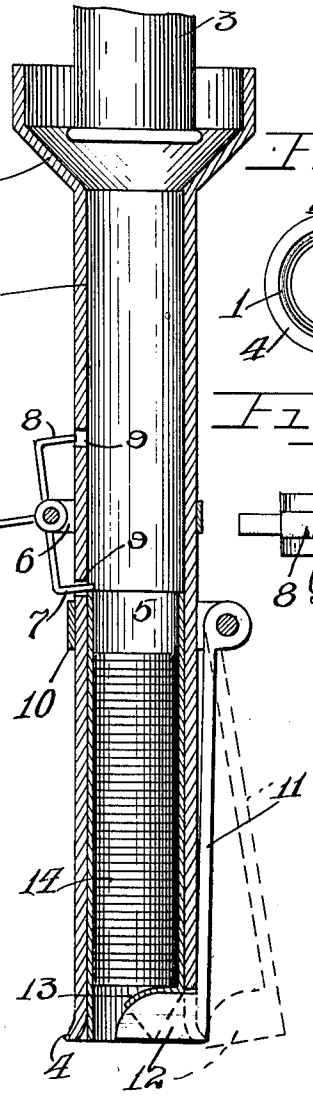


Fig. 4

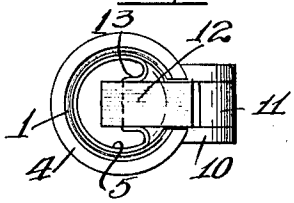
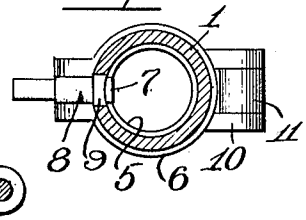


Fig. 3



Witnesses

J. W. Angell

Chas. W. Gillespie

Attorney

Inventor

Jay M. Johnson

Chas. W. Gillespie

Attorney

UNITED STATES PATENT OFFICE.

JAY M. JOHNSON, OF CHICAGO, ILLINOIS.

COIN-HOLDER FOR COIN-COUNTING MACHINES.

1,241,632. Specification of Letters Patent. Patented Oct. 2, 1917.

Application filed June 21, 1915. Serial No. 35,246.

To all whom it may concern:

Be it known that I, JAY M. JOHNSON, a citizen of the United States, and a resident of the city of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Coin-Holders for Coin-Counting Machines; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the numerals of reference marked thereon which form a part of this specification.

This invention relates to a mechanism adapted to be connected to coin counting and sorting machines to hold a paper carton in place into which the coins may be discharged in predetermined numbers, after which permitting removal of the carton and sealing thereof with the counted number of coins of a single denomination contained therein. The paper cartons are cylindrical in shape, but in order to facilitate shipping thereof they are generally creased and folded flat, that is with the walls pressed against one another. Consequently, when it is desired to use the cartons it is sometimes difficult to spring the same back into a perfect cylindrical shape to receive the coins therein, and particularly to adapt the same to mechanisms constructed to receive and hold the same during the time that the coins are being stacked therewithin.

It is an object therefore of this invention to construct a mechanism adapted to receive a paper carton therein to hold the same in place and support the coins as they are stacked therein, and permitting withdrawal of the carton with the coins therewithin from the mechanism to permit sealing the ends of the carton.

It is also an object of this invention to construct a carton retaining mechanism provided with means for limiting the insertion of cartons of different lengths thereinto, according to the length of the carton, and for holding the same and sustaining the weight of the coins stacked with the cartons until the carton is filled with the proper number of coins.

It is furthermore an object of this invention to construct an improved carton supporting mechanism for attachment to coin counting machines provided with pivoted mechanism for limiting the insertion therein of cartons of different lengths and with a gravity acting latch to swing beneath the carton, folding the lower margin thereof inwardly to hold the carton within the mechanism and sustain the weight of the coins stacked within the carton.

It is finally an object of this invention to construct a holding mechanism for coin cartons simple in operation and construction, permitting ready insertion of the carton into, and removal thereof from the mechanism with the proper number of coins stacked within the same.

The invention (in a preferred form) is illustrated in the drawings and hereinafter more fully described.

In the drawings:

Figure 1 is an enlarged side elevation of a device embodying the principles of my invention, with the end of a coin tube, shown fragmentarily, opening thereinto.

Fig. 2 is a similar vertical longitudinal sectional view thereof, with the parts in normal or operating position.

Fig. 3 is a detail section taken on line 3—3 of Fig. 1.

Fig. 4 is a bottom plan view of the device shown in Fig. 2.

As shown in the drawings:

The reference numeral 1, indicates a long cylindrical tube flanged outwardly at its upper end as indicated by the reference numeral 2, and suspended from or supported beneath in any suitable manner, the lower open end of a coin discharge tube 3, leading from a coin counting machine. The lower end of said cylindrical tube 1, is slightly flared outwardly as indicated by the reference numeral 4, to facilitate insertion thereinto of a cylindrical paper carton 5. Secured around said cylinder 1, is a ring 6, which has pivoted thereon a double throw crank or lever, the respective ends of which are denoted by the reference numerals 7 and 8, and slots 9, are cut in said tube 1, to permit one or the other of the respective ends of said lever to be projected therethrough to limit the insertion of a carton into the tube.

A slight distance below said ring 6, another ring 10, is secured around said tube 1, and pivoted therein is a long depending lever 11, provided with a rounded foot 12, at its lower end, which is adapted to swing through a notch cut in the lower end of said tube 1, from the position shown in Fig. 1, to that shown in Fig. 2. When said foot 12, engages through the notch in the lower

end of the tube 1, in the position shown in Figs. 2 and 4, it serves to fold a portion of the lower margin of the carton 5, inwardly, as designated by the reference numeral 13, and coins, denoted by the reference numeral 14, falling downwardly in the tube, are stacked within said carton and their weight is sustained by the foot 12.

The operation is as follows:

The lever 11, is first moved into the position shown in Fig. 1, after which a coin carton tube 5, is inserted upwardly through the lower end of the tube 1, into the position shown in Fig. 2, being limited in its upward movement in said tube 1, by the end 7, of the double throw lever projecting through its slot 9. The lever 11, is then swung inwardly into the position shown in Fig. 2, thus folding the lower margin of the coin carton 5, upwardly, as indicated by the reference numeral 13, and serving further to support the coins stacked into the carton, the coins of course falling downwardly thereinto by gravity. When the proper number of coins has been inserted into the carton, the lever 11, is swung outwardly, as shown in the position in Fig. 1, and the operator, supporting the weight of the coins on the fingers, withdraws the carton with the coins therein, and then creases the ends of the carton and seals the same. If a longer carton is to be used than that shown, the throw lever 7—8, is swung into its other position, to project the end 8, into the tube 1, thus permitting the insertion of a longer carton into the tube, but the operation is otherwise identical.

I am aware that various details of construction may be varied through a wide range without departing from the principles of this invention, and I therefore do not purpose limiting the patent granted otherwise than necessitated by the prior art.

I claim as my invention:

1. In a device of the class described a long tube having slots therein, a double throw lever positioned for either one of the two ends of said lever to project through one of the slots in said tube to limit the insertion of a coin carton in said tube, and means pivotally mounted on said tube adapted to swing into the lower end thereof to support the carton and coins therein within the tube.

2. In a device of the class described a long tube, a double throw lever adapted to be projected through slots in said tube to limit the insertion of coin cartons therein from the lower end thereof, and means pivoted to swing through a notch cut in the lower end of said tube to crease the lower margin of a carton and support coins stacked therewithin.

3. In a device of the class described a coin tube, a double throw lever pivoted thereon adapted to engage through slots in said tube to limit the insertion of a coin carton thereinto, a pivoted lever mounted on the exterior of said tube, and a foot provided on the lower end of said lever adapted to be swung through a notch in the lower end of said tube to crease the lower margin of the coin carton inwardly and sustain the weight of coins stacked in said carton.

4. In a device of the class described a coin tube, means limiting the insertion of a coin carton thereinto, and mechanism adapted to be swung beneath the lower end of said carton creasing the lower margin thereof inwardly and upwardly and acting to sustain the weight of coins stacked within said carton.

In testimony whereof I have hereunto subscribed my name in the presence of two subscribing witnesses.

JAY M. JOHNSON.

Witnesses:
CHARLES W. HILLS, Jr.,
GEORGE R. MOORE.