This invention relates to that kind of registering or control cash-boxes with drawers in which the money before it drops into the collecting-box is pushed forward by a star of spokes each time a piece of money is put into the box until it drops through an opening into a collecting-box. In the case of those apparatus of this kind whose drawer opened on the release of the ratchet-wheel, and in which the said opening for dropping the coin was always open it was necessary to arrange under that opening a special receptacle for collecting the money with its own locking device, as the money was only when the drawer was opened brought over the opening through which it drops; but the drawer was always drawn forward more rapidly than the money could drop down, so that if no special receptacle had been provided it would always have fallen behind the drawer.

The object of this invention is to cause the money to fall immediately into the hindmost compartment of the drawer; and it consists in the arrangement of a closing device for the opening through which the money drops, which is only opened for allowing the coin to drop on closing the drawer and when the hindmost compartment is thus sure to be under the opening. All the money taken in is thus always accessible to the person attending to the cash-box, and no special receptacle with a locking device is required.

The invention is illustrated on the accompanying drawings, where—

Figure 1 shows a partial vertical section with an opened drawer; Fig. 2, a plan view; Fig. 3, a cross-section on the line a b of Fig. 1; Fig. 4, a cross-section with a closed drawer. Similar letters refer to similar parts throughout the several views.

In the sample shown in the drawings the star f, formed by six spokes, is rigidly connected with the pivot or axis of rotation c and moves over the surface f with the opening e, Fig. 2. Below the opening e is a shaft q, through which the money when the drawer h is closed, Fig. 4—that is to say, in the position of rest of the cash-box—can drop into the drawer. To the axis or axle c is fastened at the bottom a ratchet-wheel i with six teeth, with which engage the click p and the pawl q, which are constantly being pressed by springs against the ratchet-wheel. The click p is fastened to the lower horizontal leg of the bow k, which pivots on the axe c and to whose upper horizontal leg the coin dropping device is fastened. To the lower leg is fastened, beside the spring m, a pin o, which projects through the slot n.

The device works as follows: When the drawer h is closed, Fig. 4, it rests with its hind edge against the pin o, and under the tension of the spring m it keeps the bow k in the position shown in Fig. 4. In this case the slide l is drawn away from under the opening e. If now on the box being used the ratchet-wheel is released, the drawer lies open, Fig. 3, and spring m draws the bow k into the position shown in Fig. 3. The click p moves forward the ratchet-wheel i, and thus turns the axle c connected to it. With this axle turns also the star by a sixth of a circle, whereby the piece of money lying in the preceding sector space or compartment, Fig. 2, is pushed forward into the next above the opening e. Simultaneously with the bow k the slide l has also moved and closed the opening e, so that the coin lies on the slide and cannot drop into the shaft q. If now the drawer h is closed again, its hind edge strikes against the pin o and brings the bow k and the parts p o l, connected with the same, back into their position of rest, Fig. 4. The axe c and the parts d and i connected to it remain unmoved while this is done, in consequence of the action of the pawl q. The slide l, as a result, moves backward over the opening e. The coin lying on the same is retained by the respective spoke s, Fig. 2, and drops, when the opening previously closed by the slide l is sufficiently large, through the shaft q into the drawer h, which in any case has in the meantime been sufficiently closed.

What I claim as my invention, and desire to secure by United States Letters Patent, is—

1. In a control cash-box, a compartment for displaying coin having an opening in the bottom thereof, a device in said compartment adapted to be rotated for pushing the coin forward to the opening, a chute below the said opening, a drawer mounted to slide below the opening e, and a locking device for opening said drawer, a ratchet-wheel which may engage a click on the axis of the drawer, a star which moves over the opening e and a shaft through which the money when the drawer is closed can drop, the said lock being composed of a nail or pin which projects through the slot in the lower end of the drawer, the said nail being pushed forward through the slot by the star, and all the money thus taken in being immediately dropped into the hindmost compartment of said drawer.
below said chute in closing, a slide below said opening, means for moving the slide to close the opening when the drawer is open, and means connected to the slide adapted to be contacted by the drawer, for moving the slide to uncover the opening when the drawer is closed.

2. In a control cash-box, a compartment for displaying coin, having an opening in the bottom thereof, a rotary coin-pushing device in said compartment, a vertical shaft on which said device is mounted, a chute below the said opening, a drawer mounted to slide below the said chute in closing, a slide below said opening, a bow pivotally mounted on the shaft, having an upper and a lower horizontal member, the upper member carrying the said slide, a spring attached to the bow for moving the slide to close the opening, a ratchet-wheel on the shaft, a holding-pawl, an actuating-pawl on the lower member of the bow, and means on said lower member adapted to be contacted by the drawer in closing for effecting the partial rotation of the coin-pushing device and moving the slide to uncover the opening.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILHELM MARTIN.

Witnesses:
Woldemar Haupt,
Henry Hasper.