(Model.) 2 Sheets—Sheet 1.

W. H. HARRISON.

MONEY DRAWER.

No. 322,373. Patented July 14, 1885.

Fig. 1.

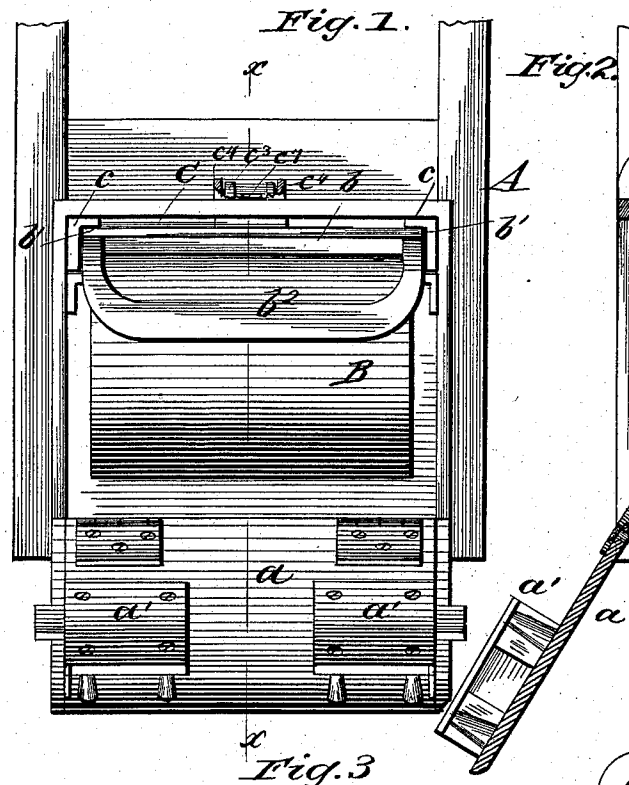


Fig. 2.

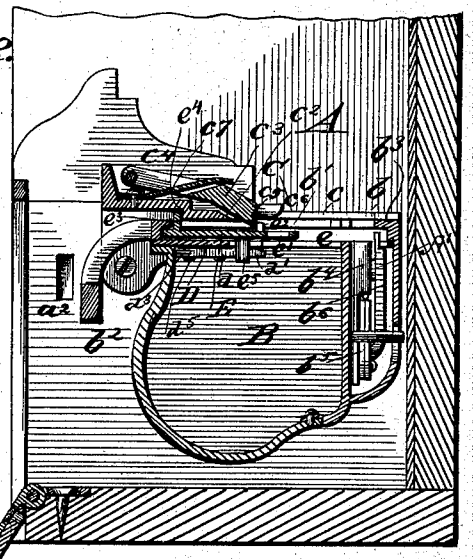


Fig. 3.

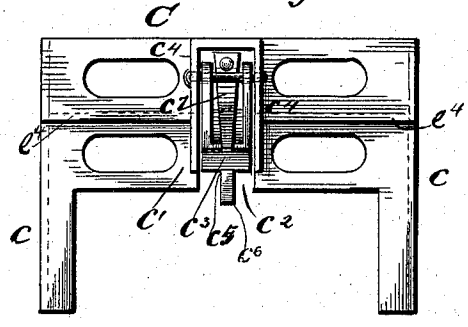


Fig. 4.

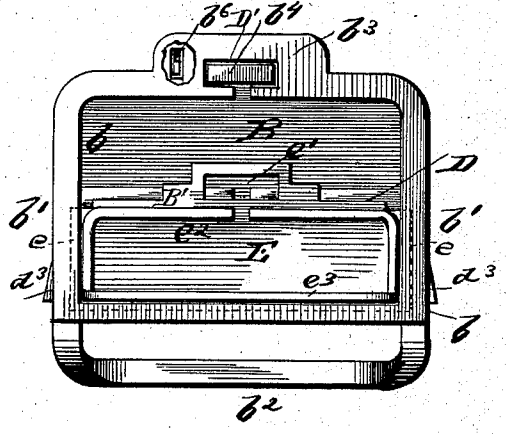
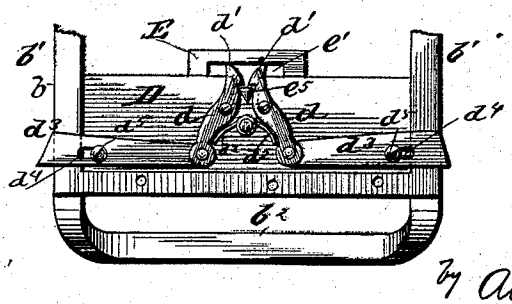


Fig. 5.



WITNESSES

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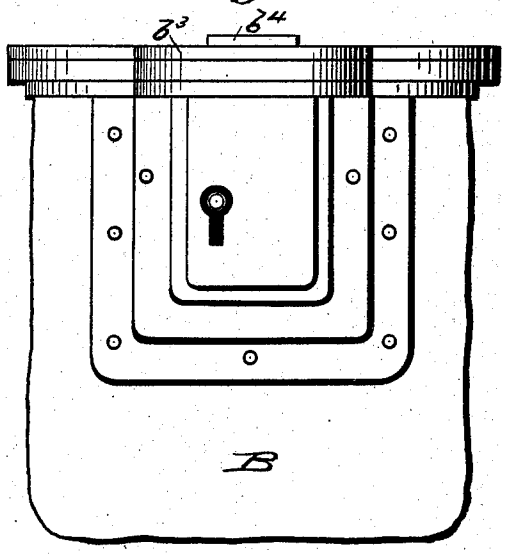
(Model.) 2 Sheets—Sheet 2.

W. H. HARRISON.

MONEY DRAWER.

No. 322,373. Patented July 14, 1885.

Fig. 6.



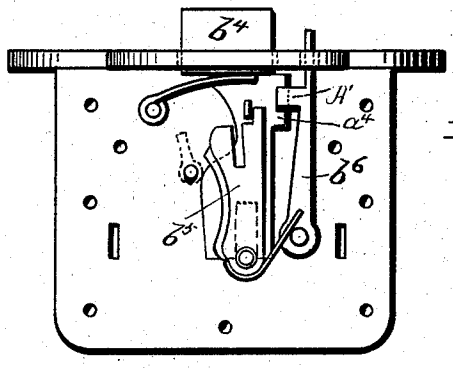


Fig. 7.

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UNITED STATES PATENT OFFICE.

WILLIAM HENRY HARRISON, OF LOUISVILLE, KENTUCKY, ASSIGNOR TO THE STREET CAR MONEY DRAWER COMPANY, OF SAME PLACE.

MONEY-DRAWER.

SPECIFICATION forming part of Letters Patent No. 322,373, dated July 14, 1885.

Application filed August 2, 1884. (Model.)

To all whom it may concern:

Be it known that I, WILLIAM HENRY HARRISON, a citizen of the United States, residing at Louisville, in the county of Jefferson and State of Kentucky, have invented certain new and useful Improvements in Money-Drawers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a front view of my device. Fig. 2 is a vertical sectional view of the same, and Figs. 3, 4, and 5 are detail views. Fig. 6 is a front view of the drawer or box removed from the frame, and Fig. 7 is an interior view of the lock-casing.

This invention relates to that class of money-receptacles (usually attached to street-cars) into which the fares are dropped, and which are not intended to be opened until the fares are collected at the end of the day; and it consists in the construction and novel arrangement of devices, as will be hereinafter more fully set forth and claimed.

In the accompanying drawings, A represents a receptacle for the drawer, made in the usual or other proper manner, having the door *a* hinged to its front, as shown, and provided with locks *a'* *a'*, to secure it in place, the bolts of said locks engaging in proper holes or keepers, a^2 a^2, in the sides of the receptacle A.

B is the drawer, made of suitable form, and provided, over its top, with the rectangular frame *b*, having its side clips, *b'* *b'*, sliding in proper horizontal ways, hereinafter more fully described, and its front clip, b^2, turned downward to form a handle, as shown. The rear clip, b^3, of the frame *b* is provided with a vertical recess, D', for the passage of a spring-actuated bolt, b^4, which is designed to enter a correspondingly-shaped recess in the movable half-cover E of the drawer, when the latter is brought in engagement with the spring-lever b^6, pushing it slightly rearward, so as to remove its lug a^4 from engagement with a shoulder, A', on the bolt b^6. Thus it will be seen that it is necessary for the shoulder B' of the movable half-cover E of the drawer to be brought in engagement with the spring-lever b^6, in order to have the bolt D' effect a lock or engage the recess *e'* of the said movable half-cover E. Therefore the half-cover E can only be moved for admission to the drawer when the bolt b^4 has been drawn down by the key; but the bolt will spring up by the engagement therewith of the shoulder B' on the said movable half cover.

C is a bracket screwed within the receptacle A, and having made on it the horizontal ways *c* *c*, running from front to rear, in which ways slides the frame *b* of the drawer B, as described. The bracket C has on its top plate, *c'*, a central longitudinal opening, c^2, through which passes the downward-inclining rear end of a detent-bar, c^3, the front end of which is pivoted between upright extensions c^4 c^4, situated immediately in front of and to each side of the opening c^2.

c^5 is a detent-point depending from the lower surface of the bar c^3, with its rear surface flat, and having behind it the horizontal finger c^6 of said bar.

c^7 is a spring pivoted by its front end to the top plate of the bracket, in front of the opening c^2, and passing through a proper slot in the detent-bar, upon the upper surface of which its rear end bears.

D is the fixed half-cover of the drawer, secured transversely across the front portion of the same, the rear portion of which has no permanent cover. The half-cover D has pivoted by their central parts to its upper surface the two equal and similar levers *d* *d*, on each side of its center, the inner edges of the rear ends of which levers lie against each other, and are provided with the notches *d'* *d'*, the said notches forming together a proper detent-opening, with its rear edge acting as the detent.

d^2 d^2 are proper springs, the inner ends of which are fixed to the upper surface of the cover D, between the front extensions of the levers *d* *d*, which extension the free ends of the springs push outward, bringing the rear extensions of the levers, and consequently the notches *d'* *d'*, together.

d^3 d^3 are latch-bars pivoted to the front extensions of the levers *d* *d* by their inner ends,

and having the edges of their outer ends beveled outward from rear to front and extending slightly outside of the side clips of the frame *b*. The latch-bars are guided by longitudinal slots d^4 d^4, made in them, through which pass proper retaining screws, d^5 d^5, to keep the latch-bars in proper relation with the cover D.

E is the movable half-cover of the drawer, sliding in proper ways, *e e*, made in the frame *b*, above the fixed half-cover, levers *d d*, and latch-bars, and having near its rear edge the transverse rectangular opening *e'*, situated in such position that it passes directly over the bolt b^4 when the half-cover E is over the rear portion of the drawer.

e^2 is a projection from the upper surface of the movable half-cover, which projection, when the said cover is over the fixed cover, bears against the detent-point c^5 of the detent-bar c^3.

e^3 is a projection rising from the upper surface of the movable half-cover E, near the front edge of the same, and engaging against the front of a detent, e^4, made on the lower surface of the bracket C.

e^5 is a projection from the under surface of the movable half cover E, which projection, when said cover is over the fixed cover D and the drawer is out of the receptacle, engages between the detent notches d' d', holding the movable cover to the front, so that the rear portion of the top of the drawer is uncovered.

When the frame *b* is slid in the ways *c c*, the outward edges of the latch-bars d^3 d^3 impinge within said ways and drive the said latch-bars inward, releasing the rear ends and notches of the levers *d d* from the projection or pin c^5, and allowing the fare-drawer to be slid frontward under the movable cover.

The operation of this device is as follows: When the drawer is slid into its proper receptacle by means of frame *b*, ways *c c*, and handle b^2, the action of said ways opens the latch-bars d^3 d^3, releases the movable half-cover E from its position above the fixed half-cover D, the projection e^2 is brought against the detent-point c^5, and the projection e^3 against the detent e^4. Now, when the drawer is drawn out the fixed cover and fare-drawer slide under the movable cover until the edge of the latter disengages the spring-catch b^6 from the bolt b^4, which immediately rises into the opening *e'*, disengages the detent-point c^5 from the projections e^2, and locks the movable cover over the rear of the drawer.

When the drawer is to be replaced, the same is opened by a proper key, and as it slides in place the detent e^4 engages the projection e^3 and keeps the movable cover back as the box goes into the receptacle.

In practical use two boxes or drawers would be used with the fare-receptacle of each car. The person who changed these drawers would carry the locked one to the office, to be there unlocked and emptied, and would insert any empty one in place of the first.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a device to receive fares, the combination, with the receptacle A, bracket C, provided with ways *c c* and detent e^4, frame *b*, provided with spring-controlled bolt b^4 and spring catch b^6, and fare-box B, of the fixed half-cover D, having attached thereto the latch-bars d^3 d^3 and spring-controlled lever d' d', spring-controlled detent-bar c^3, provided with detent-point c^5, and movable half-cover E, provided with projections e^2, e^3, and e^5 and opening *e'*, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM HENRY HARRISON.

Witnesses:
G. D. HAMILTON,
OLIVER LUCAS.