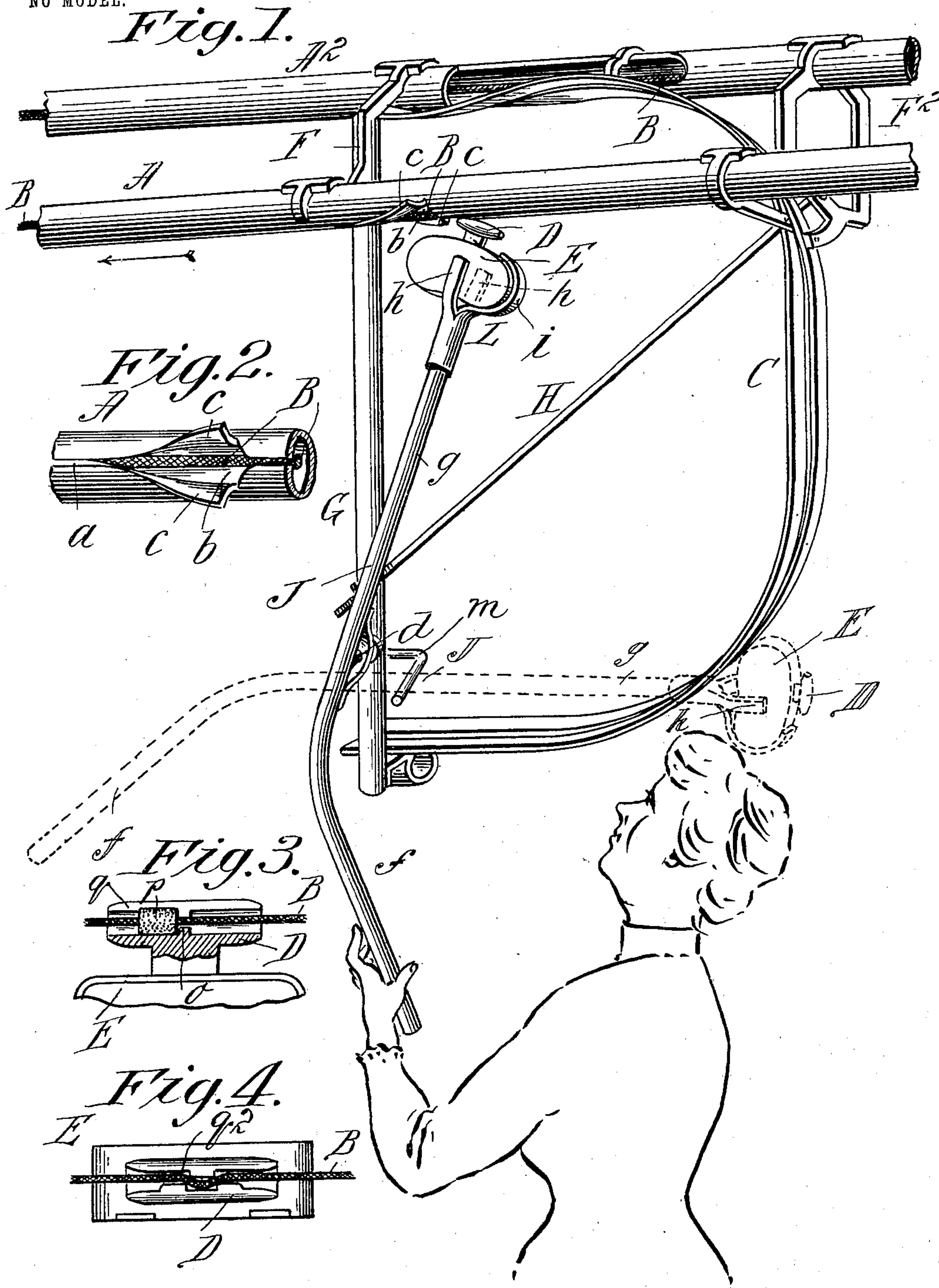


No. 754,424.

PATENTED MAR. 15, 1904.

D. E. CHISM.  
CASH CARRIER APPARATUS.  
APPLICATION FILED OCT. 3, 1903.

NO MODEL.



Witnesses:  
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# UNITED STATES PATENT OFFICE.

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## CASH-CARRIER APPARATUS.

SPECIFICATION forming part of Letters Patent No. 754,424, dated March 15, 1904.

Application filed October 3, 1903. Serial No. 175,618. (No model.)

*To all whom it may concern:*

Be it known that I, DAVID E. CHISM, a citizen of the United States of America, and a resident of Stafford Springs, in the county of Tolland and State of Connecticut, have invented certain new and useful Improvements in Cash-Carrier Apparatus, of which the following is a full, clear, and exact description.

This invention relates to cash-carrier apparatuses of the general class in which is comprised a trackway and carrier cord or cable therealong, with branched trackways at "stations," and in conjunction therewith cash-boxes having extended thin necks and elongated longitudinally - ranging heads with troughs therein in which the carrier-cord becomes engaged for the propulsion of the box, the box being switched from the trackway and disengaged from the cord at a station, such general description of cash-carrier apparatus being found in the Letters Patent of the United States issued to Chamberlain, Chism, and Cooper, dated November 5, 1901, No. 685,740.

The present improvements are applicable in connection with the portion of the cash-carrier system located adjacent the station, and especially where the trackway is so elevated as to be out of reach of the saleslady or person thereat.

The object of the device is to facilitate the introduction of the cash-box which is to be transmitted to the cashier's desk into its engagement with the trackway running thereto and the carrier-cord for its propulsion.

The invention comprises, in combination with the portion of a cash-carrier apparatus adjacent a station and a suitable supporting part or fixture, of a pivotally-mounted arm adapted to be swung from a more or less nearly horizontal position to a more or less nearly vertical position and being provided with a cash-box-holding portion and all arranged and adapted to permit the placing of the cash-box within the holder therefor of said arm and upon the latter being swung to carry the box so that its head becomes engaged with the elevated trackway and carrier-cord and so that thereupon the cord will be operated to convey the box out of the holder

therefor in said swinging arm, imparting there- 50  
to its course along the trackway to the cashier's desk or central station.

The invention is illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view. Fig. 2 is a 55  
plan view of an under portion of the outgoing trackway and carrier-cord therein such as provided adjacent a station. Fig. 3 is a sectional view of the head portion of the cash-box, showing its adaptation for being engaged by a but- 60  
ton or enlargement of the carrier-cord. Fig. 4 is a plan view of the cash-box having a head somewhat differently constructed and adapted to engage a "buttonless" carrier-cord.

Similar characters of reference indicate cor- 65  
responding parts in all of the views.

In the drawings, A represents the cash-carrier trackway, which is here indicated as of tubular form, having at and along its bottom the longitudinal slot *a*, whereby runner-ways 70  
at opposite sides thereof are created and within and along which tubular trackway the carrier-cord B runs, having its course of travel in the direction indicated by the arrow. The cord in the trackway A is understood as run- 75  
ning toward the cashier's station, while the cord in the opposite trackway A<sup>2</sup> has its course returning from the cashier's station and having therein the station branched trackway C, to which the cash-box individual to such sta- 80  
tion is switched and led down to the lower terminal of such branch. The tubular trackway adjacent the station, as shown, is constructed with an opening *b*, having the opposite guiding-lips *c c* formed by downwardly- 85  
deflected portions of the tubing at either side of the slotway, all whereby the guidance and entrance of the head D of the cash-box E within the tubular trackway and to engagement with the running cord is, facilitated and per- 90  
mitted.

Depending from a suitable bracket F, adjacent the station or trackway branch C, is a depending member G, in part serving to sustain the lower terminal of the branched trackway 95  
C, which latter is connected therewith, and also constituting the support for the arm J, which is pivotally mounted thereon at *d*.



H represents a brace-rod having connection with the overhead connection-bracket F<sup>2</sup> and having a screw-tensioning connection with the aforementioned depending support G, this or  
5 any other adequate strengthening and bracing member being manifestly desirable.

The pivoted part J may advantageously be of comparatively light construction—as, for instance, by being composed of a metallic tubing of light gage, said part comprising the  
10 handle extension *f* and the arm *g*. Beyond the pivot from the part *f* the upper end of the member *g* of the lever J is equipped with a cash-box holder L, the same comprising the  
15 opposite members *h h*, arranged fork-like and at opposite sides of the plane in which the lever J is arranged to swing, and the rearwardly-located bowed member *i*, the location of which is in the median plane between the  
20 fork-like and upwardly-opening parts *h h*.

When the lever-constituted carrier device for the cash-box is swung from its normal and approximately horizontal position, as indicated by the dotted lines in Fig. 2, the box  
25 may, as there shown, be dropped within the substantially upwardly and forwardly opening cage or pocket therefor constituted by the opposite side and rear prong-like parts *h h* and *i*, and when the carrier is swung to the  
30 vertical position, as shown by the full lines in Fig. 1, the approximately cylindrically-shaped head of the cash-box will be introduced through the opening *b*, leading into the tubular trackway, and the upwardly-opening  
35 trough-head of the box will be forced to an embrace about and engagement with the running carrier-cord, whereupon immediately the box will partake of the movement of the cord and will be carried bodily out from the holder  
40 L, departing from the sales-station to the central station.

Although no invention is to be pointed out at this time as consisting in the form of the cash-box head, it is deemed well in order to  
45 impart an understanding of the availability of this invention to indicate, as by reference to Fig. 3, that the longitudinally-ranging head D of the cash-box may be constructed with an upwardly-opening longitudinal groove *q*,  
50 along in which the carrier-cord may be disposed, such grooved head having intermediately therein an upstanding abutment *o*, with which the button *p* of the carrier-cord may engage, substantially as illustrated and  
55 described in the aforementioned patent of Chamberlain, Chism, and Cooper, or the cash-box head instead of having the longitudinal upwardly-opening groove therein straight and having therein the abutment, as aforementioned, for engaging the button or enlargement of the cord may have the groove *q*<sup>2</sup>,  
60 as shown in Fig. 4, sinuous as to its length, whereby in becoming engaged with the cord the cord is kinked or rendered bowed conformable to the so-formed groove in the head

and as described and explained in my application for Letters Patent of the United States, filed March 9, 1903, Serial No. 146,850.

A stop or rest—such, for instance, as indicated at *m* in Fig. 1—is advantageously provided, onto which the lever-like part having  
70 the cash-box holder may be brought for sustaining such lever-like part in its horizontal position, such being understood as the normal position thereof for the reception and re-  
75 moval from the holder of the box.

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

1. In a cash-carrier apparatus, the combination with a trackway and a cash-box propulsion-cord arranged therealong, of a part pivotally mounted below the trackway and provided with a cash-box holder, for the purpose  
80 described.

2. In a cash-carrier apparatus, the combination with a trackway and a propulsion-cord arranged therealong, of a cash-box having a head adapted to engage the cord, and a part  
85 pivotally mounted below the trackway and provided with a holder in which the body of the box may be supported and beyond which the box-head may project and said part being  
90 arranged for swinging movement in a vertical plane approximately coincident with the trackway, whereby the holder portion thereof  
95 may be lowered within easy reach, and swung upwardly into proximity to the trackway.

3. In a cash-carrier apparatus, the combination with a trackway and a propulsion-cord  
100 arranged therealong, of a part pivotally mounted below the trackway and arranged to swing to bring its extremity to a lowered position of easy reach and to be presented upwardly  
105 in proximity to the trackway and said extremity being provided with a cash-box holder comprising opposite side fork-like members and a rearwardly-located member.

4. The combination with the cash-carrier structure comprising an elevated trackway and  
110 a depending support, of a propulsion-cord arranged to run along the trackway, and a member intermediately pivotally mounted on said depending support below the trackway, provided at its one extremity with a cash-box  
115 holder, and a cash-box comprising a body and an extended head adapted to engage the propulsion-cord and all arranged for operation, substantially as described.

5. The combination with a trackway of tubular form having a longitudinal bottom slot  
120 and an opening through said slotted bottom, of a width to permit the entrance therethrough into the tubular trackway of a cash-box head, of the propulsion-cord arranged to run along  
125 within the trackway-tube, a member pivotally mounted below the trackway and arranged to be swung from approximately horizontal to approximately vertical positions and having  
130 at its extremity the cash-box holder, and a



cash-box comprising a body and an extended head having an upwardly-opening groove therein and adapted for engagement about said cord, substantially as described.

5 6. In a cash-carrier apparatus, the combination with a trackway of tubular form having a longitudinal bottom slot, and opposite lower portions of the tube adjacent the slot downwardly extended and sidewise located, whereby  
10 a box-head entrance into the tube is produced having opposite depending guide-lips therefor, of the propulsion-cord arranged to run along within the trackway-tube, a member

ranged to swing in a vertical plane approximately coincident with the trackway and provided with a cash-box holder at its extremity, and the cash-box comprising a head and a body from which said head is extended adapted to be received within said holder and said head being constructed for engagement with the propulsion-cord. 15 20

Signed by me at Springfield, Massachusetts, in presence of two subscribing witnesses.

DAVID E. CHISM.

Witnesses:

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A. V. LEAHY.