(No Model.)

J. C. MARTIN.

CASH AND PARCEL CARRIER.

No. 314,339. Patented Mar. 24, 1885.

Fig 1

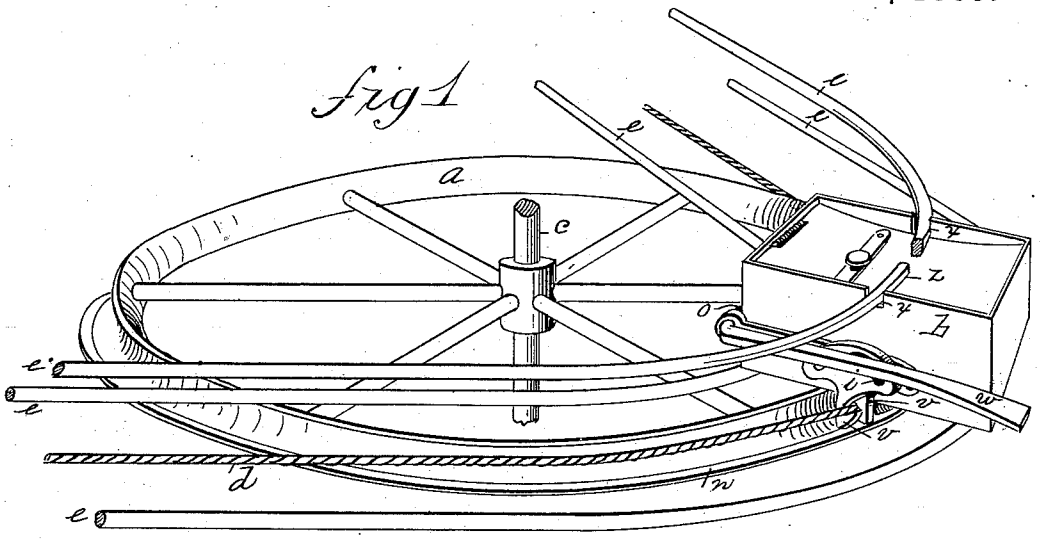


Fig 3

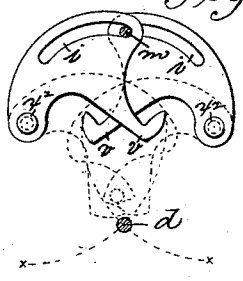
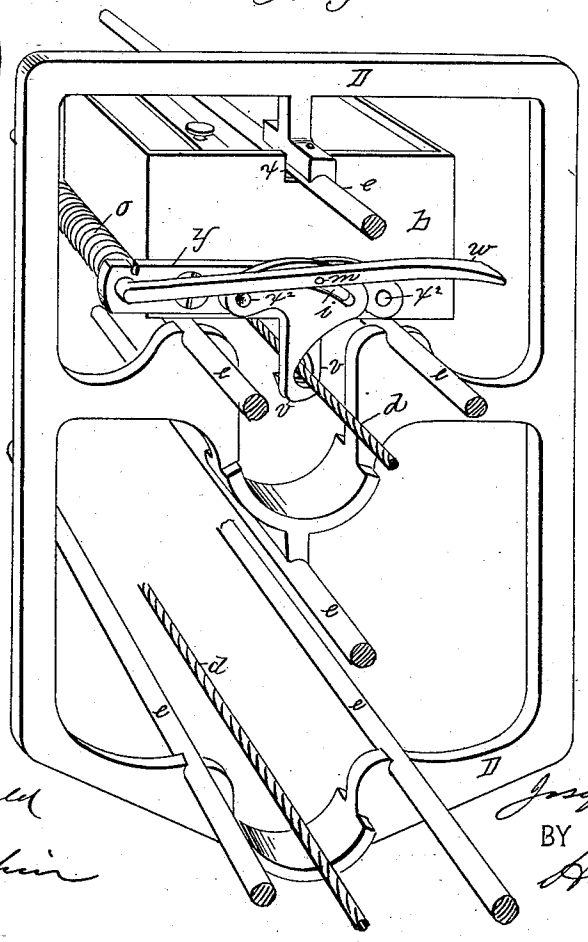


Fig 2



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UNITED STATES PATENT OFFICE.

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CASH AND PARCEL CARRIER.

SPECIFICATION forming part of Letters Patent No. 314,339, dated March 24, 1885.

Application filed February 5, 1885. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH C. MARTIN, a citizen of the United States, residing at Burlington, in the county of Chittenden and State of Vermont, have invented new and useful Improvements in Parcel and Cash Carrier Systems, of which the following is a specification.

This invention relates to improvements in automatic cash-box systems, the object being to provide in systems which employ an endless motor-cord improved cord-clamping devices for the cash or parcel box, whereby the passage of the latter around the periphery of the cord-guiding wheel of the system is greatly facilitated, and the attachment of the box to the cord is made more secure, and to adapt the box-track where it passes said wheel to give easy passage to the box.

In the drawings, forming part of this specification, Figure 1 is a perspective view, partly in section, of the cord-guiding wheel at a corner of the system, together with a series of the tracks thereof, and a cash or parcel box thereon, constructed according to my invention. Fig. 2 is a perspective view of one of the track-supports employed on straight track-lines, showing in proper relation thereto sections of the tracks and the motor-cord, and showing the cash-box in another position. Fig. 3 is a view of the cord-clamping hooks detached from the box, and showing in dotted lines the positions they assume when being operated to grasp the cord.

In the drawings, *e* indicates the tracks, which which are made of rods or tubing; D, the track-support, and *d* the motor-cord. The said parts are substantially such as are shown and described in my Patent No. 284,456, dated September 4, 1883, to which reference may be had, excepting that the upper guide-track is flattened on its sides, as shown at *z*, Fig. 1, to allow the box *b* to follow around the circular part of the track without having said upper track bind in the guide-slots *x x* in the ends of the box. The cord-wheel *a*, operating at a point in the system where the direction of the tracks is changed, is supported on the shaft *c*, and the latter runs in a suitable frame-support, the tracks *e* being supported by frames D each side of the wheel. The periphery of wheel *a* is grooved, as shown, in order that the cord *d* may run securely thereon, the flange on the lower side of its groove being wide, so that the cord may not be forced beyond it and off from the wheel, and the flange on the upper side of the groove being narrow, to permit the cord-clamping hooks to move near the bottom of said groove, substantially as shown in Fig. 1.

In the construction herein shown the box *b* is guided solely in its course along the tracks *e* by the upper one of the three, as shown, and the cord-connection with the box is directly under the center of the latter at one end, whereas in my said patent the box is guided by the three tracks, and the clamps on the box for grasping the cord are located at the side of the box, one at each end.

The cord-clamping devices on box *b* consist of two hooks, *v*, pivoted at x^2 to the end of the box, one lying over the other, the parts of the hooks which grasp the cord extending below the bottom of the box to reach the cord *d* and engage with it. Each of the hooks *v* has in its upper broad part a circular slot, *i*, said slots coinciding with each other, as shown in Fig. 3. A shaft is hung on one edge of the box *b* in an arm, *y*, on each end of the box, and on one end of said shaft, at right angles thereto, is a lever, *w*, extending across the front end of the box. Said shaft has a spring, *o*, coiled thereon, one end of which is attached to the shaft and one end to the arm *y*, and its action is to throw the end of lever *w* upward with considerable force. Lever *w* has a pin, *m*, in it, projecting toward the end of the box and entering the aforesaid grooves *i i* in the hooks *v*, and the upward movement of the end of lever *w* tends to draw the lower ends of hooks *v* together, and the downward movement of the lever throws the lower ends away from each other and clear from the cord.

The operation of the cord-clamping devices on the box is as follows: The box is held by the operator with one finger bearing down on the end of lever *w*, thus throwing apart hooks *v*, and while so held is placed on the tracks, and immediately upon letting go of the lever spring *o* acts, throwing up the latter, and through the engagement of the lever with hooks *v* by pin *m* the cord is instantly clamped, as shown in the drawings, between the hooks, and the box is drawn along the track and around the corner at wheel *a* without any difficulty.

Any convenient trip is arranged for the end of lever *w* to run under when the box reaches its destination, whereby it is depressed and the hooks *v* are made to swing away from the cord *d*.

What I claim as my invention is—

1. In a cash and parcel carrier system, the wheel *a*, having a grooved periphery, and the flange on one side of the groove wider than the other, the tracks *e*, cord *d*, and the box *b*, provided with the hooks *v v*, lever *w*, and a spring to actuate the latter, combined and operating substantially as set forth.

2. In combination, box *b*, the pivoted hooks *v v*, having circular slots therein, the lever *w*, engaging with said hooks, substantially as described, and a spring to actuate said lever, all substantially as set forth.

JOSEPH C. MARTIN.

Witnesses:

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