

(No Model.)

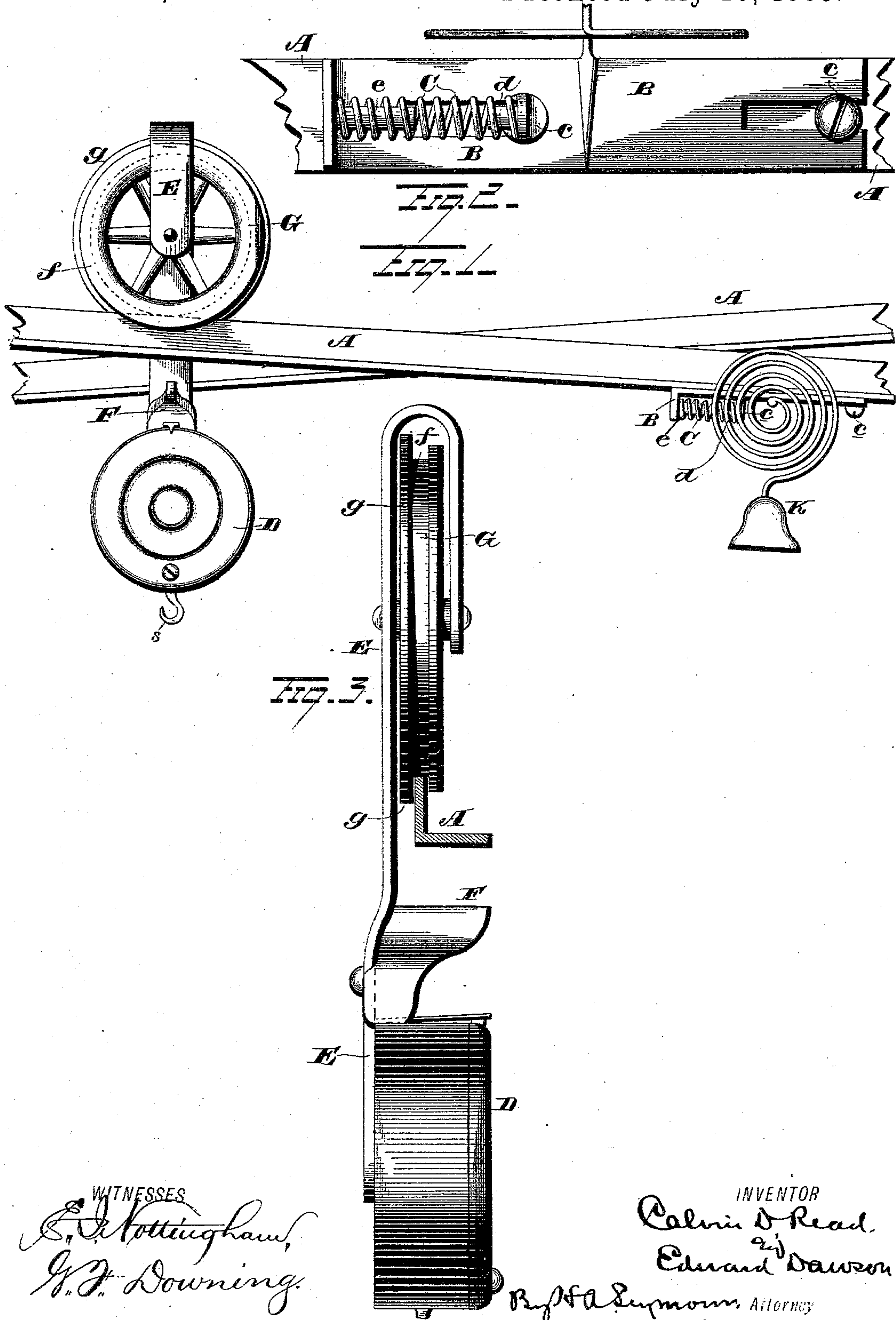
2 Sheets—Sheet 1.

C. D. READ & E. DAWSON.

CASH AND BUNDLE CARRIER.

No. 280,863.

Patented July 10, 1883.



WITNESSES  
*E. J. Nottingham,*  
*J. J. Downing.*

INVENTOR  
*Calvin D. Read,*  
*Edward Dawson*

*Ryft A. Supmon, Attorney*

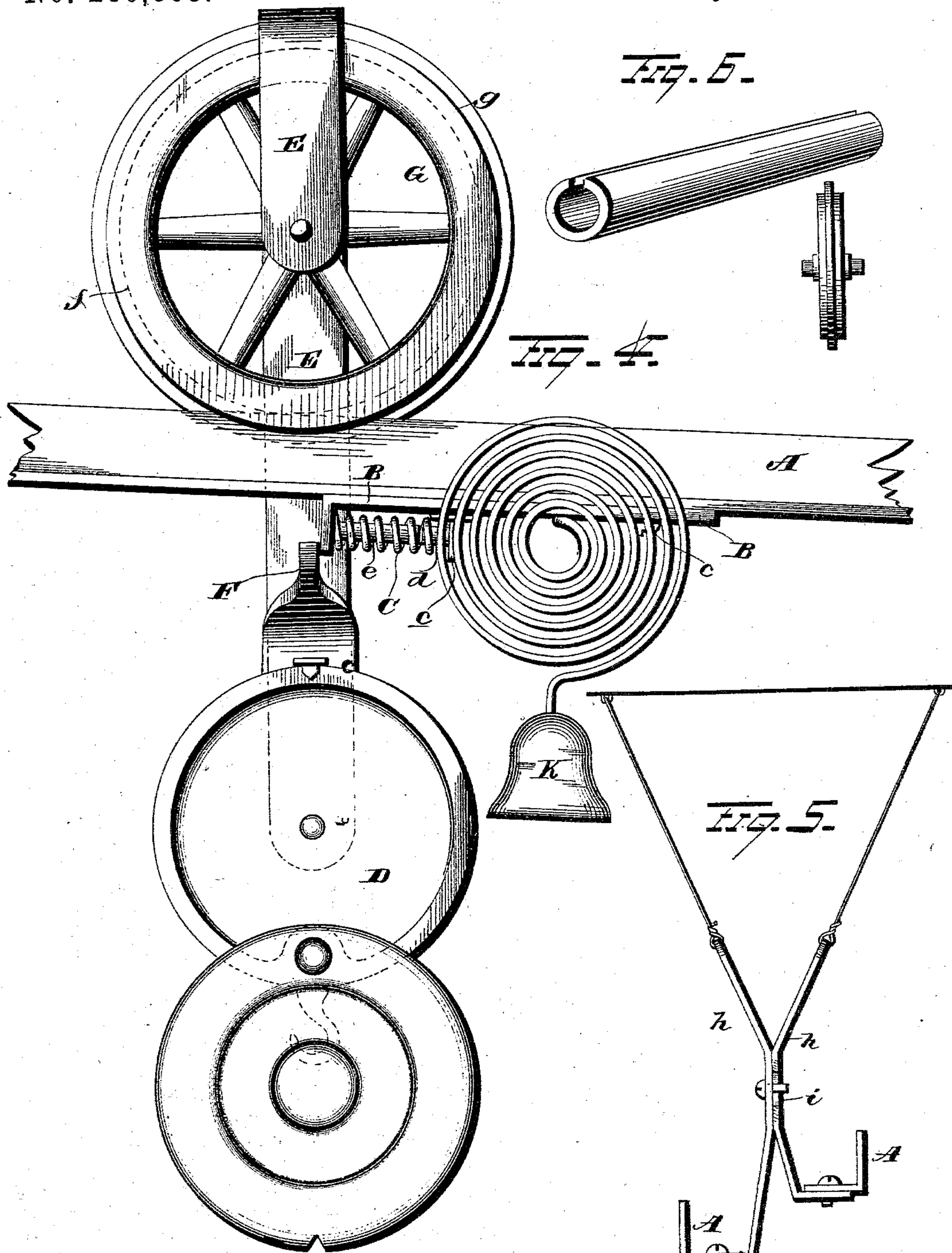
(No Model.)

2 Sheets—Sheet 2.

C. D. READ & E. DAWSON.  
CASH AND BUNDLE CARRIER.

No. 280,863.

Patented July 10, 1883.



WITNESSES

*E. J. Nottingham*  
*G. J. Downing*

INVENTOR

*Calvin D. Read*  
*Edward Dawson*

*R. H. Symmon* Attorney



# UNITED STATES PATENT OFFICE.

CALVIN D. READ, OF AYER, AND EDWARD DAWSON, OF LOWELL, MASS.

## CASH AND BUNDLE CARRIER.

SPECIFICATION forming part of Letters Patent No. 280,863, dated July 10, 1883.

Application filed May 7, 1883. (No model.)

*To all whom it may concern:*

Be it known that we, CALVIN D. READ and EDWARD DAWSON, of Ayer and Lowell, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Cash and Bundle Carriers; and we do hereby 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.

Our invention relates to an improvement in cash-carriers, the object of the same being to provide a device of this character which shall be simple and economical in construction and at the same time to be efficient in use; and with these ends in view our invention consists in certain details of construction and combinations of parts, as will be hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view of our improvement in position for use. Fig. 2 is a detached view of the under side of the track with stop and bell secured thereto. Fig. 3 is an end view of the carrier. Fig. 4 is a similar view, showing the carrier on the track, the shoulder of the carrier being in engagement with the stop. Fig. 5 is a view showing our method of suspending the tracks from the ceiling, and Fig. 6 is a modification.

A A represent two tracks, preferably constructed of angle-iron, one being inclined toward, the other away from, the cash-desk. These angle-iron tracks are suspended from the ceiling, as shown in Fig. 5. *h h* represent two bands, preferably made of iron and bent into the forms shown. To the upper ends of these bands or hangers are secured two wires, which are fastened to the ceiling. To the lower horizontal portion of the hangers are secured the angle-iron tracks A A. One of the hangers *h* is provided with a slot, *i*, through which passes a screw, which enters the other hanger and secures them together. The slot *i* allows of a vertical movement of the hangers, and thus enables the tracks to be adjusted to certain inclines.

To the under side of the track inclining toward the cash-desk, and at suitable intervals apart, are secured the sliding stops B by means of screws *c*, as shown in Fig. 2. Each stop is

provided with two longitudinal slots, through which screws are inserted and secured to the track. It will be seen that by means of these slots and screws the stop may be moved back and forth on the track a distance equal to the length of the longitudinal slots. The screw *c* nearest the depending end of the stop B is provided with an arm, *d*, over which fits one end of a spiral spring, C, the other end of said spring being wound around a stud, *e*, attached to the inner side of the depending end of the stop B. It will be observed that the tendency of this spring C is to keep the stop B at one end of its travel, and that when forced in a direction away from the cash-desk the spring is depressed, which immediately expands when released and forces the stop back to its normal position. The depending ends of these stops are graduated in length, the one nearest the desk being the shortest, the next the fraction of an inch longer, and so on throughout the length of the track. About midway the length of this stop B, and extending from one side thereof, is secured the inner end of a coiled wire spring, to the outer end of which is secured a bell, for a purpose to be hereinafter explained.

D represents a box or receptacle, made of any desired size or shape, firmly secured or made integral with the upright frame-piece E. This box or receptacle is adapted to carry the cash to the cash-desk, and, if need be, carry any change back to the clerk. To the under side of this box is secured or made integral therewith a hook, *s*, adapted to removably secure a basket or suitable receptacle for carrying bundles. Above this box or receptacle is secured or made integral with the upright E the shoulder F, adapted to engage with a stop secured to the track. The shoulders F on the carriers are also graduated to suit the stops on the track, each shoulder being placed a little lower on the upright frame-piece than the other. Thus it will be seen that a certain carrier will always stop at a certain place and can descend no farther. The upper end of the upright E is bent over, thus adapting it to carry the wheel G, which is provided with a peripheral groove, *f*, adapting the wheel to travel on the track A. The flange *g* on the side of the wheel is made somewhat larger than on the



opposite side for the purpose of facilitating the operation of placing the carrier on the track, the larger flange serving as a guide.

It will now be readily seen that when the device is to be used the clerk simply lifts the carrier from its resting-place, places the money with instructions in the box, places the carrier on the track, and which, on being released, descends to the desk by gravity. The cashier lifts the carrier from the track, removes the contents of the box, and places the carrier on the descending track. It will again descend by gravity until the shoulder F on the upright E comes in contact with its certain stop from which it started, the momentum of the descending carrier giving the stop a sudden push, which rings the bell K, attached to the coiled wire, the spiral spring C at the same time pushing the stop back in place.

It will be observed that by means of the bell the clerk is warned of the return of the carrier, which is immediately removed from the track, to be out of the way of other passing carriers.

Instead of using an angle-iron track, we may employ a track constructed of pipe—as ordinary gas-pipe—with a slot running its whole length. In this case the peripherally-grooved wheel of the carrier would be substituted by a wheel with a wedge-shaped periphery having shoulders on each side thereof, as shown in Fig. 6, thereby adapting the wheel to travel in the slot in the pipe.

Our invention is exceedingly simple in construction, is out of the way of the clerks or customers, and can be produced at a small initial cost.

Many slight changes in the construction and relative arrangement of the several parts might be resorted to without departing from the spirit of our invention, and hence we would have it understood that we do not limit ourselves to the exact construction shown and described, but consider ourselves at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of our invention.

Having fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. In a cash-carrier, the combination, with reversely-inclined tracks, of detachable carriers, consisting each of a single wheel adapted to travel upon the track, and a receptacle secured thereto, located below the track, and provided with a door having devices to keep it closed, substantially as set forth.

2. In a cash-carrier, the combination, with reversely-inclined tracks having alarms secured at intervals thereto, of removable carriers, each consisting, essentially, of a frame provided with a wheel adapted to travel on the tracks, and a receptacle secured to the frame and located below the track, said carriers adapted to sound its proper alarm, substantially as set forth.

3. In a cash-carrier, the combination, with

the reversely-inclined angle-iron tracks, of straps or rods suspended from the ceiling or other support and connected to the tracks, said straps or rods being provided with seats for the tracks and connected together between their ends by a screw passing through a slot, whereby they are vertically adjustable with respect to each other, substantially as set forth.

4. In a cash-carrier, the combination, with a track and sliding stops secured thereto, provided with ringing devices, of a cash-carrier adapted to travel on the track, said carrier being provided with a peripherally-grooved wheel and a suitable box or receptacle, and also with a shoulder adapted to engage one of the stops on the tracks, substantially as set forth.

5. In a cash-carrier, the combination, with an inclined track provided on its under side with spring-actuated stops, each of said stops being provided with a sounding device, of carriers adapted to travel on the track, and each consisting, essentially, of an upright frame-piece, in the upper portion of which is mounted a peripherally-grooved wheel, and to the lower portion is secured a box or receptacle, and also provided with a shoulder adapted to engage with one of the stops secured to the track, substantially as set forth.

6. In a cash-carrier, the combination, with an inclined track and spring-actuated stops secured to the under side of the same, and provided with suitable sounding devices, the depending ends of the stops being respectively of greater length in regular order along the track, of carriers adapted to travel on the track, each carrier consisting, essentially, of a peripherally-grooved wheel mounted in an upright frame-piece, to the lower end of which is secured a suitable box or receptacle, and also provided with a shoulder adapted to engage one of the stops secured to the track, substantially as set forth.

7. In a cash and bundle carrier, the combination, with an inclined track and stops secured to the same by screws or nuts, which are inserted through slots in the stops, one of said screws being provided with an arm for the reception of a spiral spring, the other end of the latter being wound around a stud secured to or made integral with the depending end of said stop, the depending ends of the said stops being respectively of increased length in regular order throughout the length of the track, each stop being provided with a coiled wire spring, to the outer end of which is secured a bell, of carriers adapted to travel on the track, and each consisting, essentially, of a peripherally-grooved wheel mounted in an upright frame-piece, to the lower end of which is secured a box or receptacle provided on its under side with a removable basket or other receptacle, the frame-piece also provided with a shoulder, substantially as set forth.

8. In a cash and bundle carrier, the combination, with two angle-iron tracks inclined in opposite directions, one of said tracks being



provided on its under side with stops, which  
are secured by screws or nuts inserted in slots  
in the stops, to allow of the reciprocating mo-  
tion of the stop, one of said screws being pro-  
5 vided with an arm around which fits one end  
of a spiral spring, the other end of the spring  
fitting around an arm secured to or made in-  
tegral with the depending end of the stop, the  
depending ends of the stops being of increased  
10 length in regular order throughout the length  
of the track, said stops being also provided  
with a coiled wire-spring, to the outer end of  
which is attached a bell, of carriers adapted  
to travel on the tracks, each carrier consist-  
15 ing, essentially, of a peripherally-grooved  
wheel, one flange of which is larger than the  
other, mounted in an upright frame-piece, to

which latter is secured a box or receptacle  
provided on its under side with a removable  
basket or other receptacle, the frame-piece 20  
being also provided with a shoulder, the  
shoulders of the said carriers being each placed  
a little lower on the upright frame-piece than  
the other, all of the above parts combined and  
adapted to operate substantially as described. 25

In testimony whereof we have signed this  
specification in the presence of two subscrib-  
ing witnesses.

CALVIN D. READ.  
EDWARD DAWSON.

Witnesses :

WILLIAM A. WRIGHT,  
P. B. FISK.