

(No Model.)

S. E. FISH.  
CASH DELIVERY DEVICE.

No. 385,665.

Patented July 3, 1888.

Fig. 1.

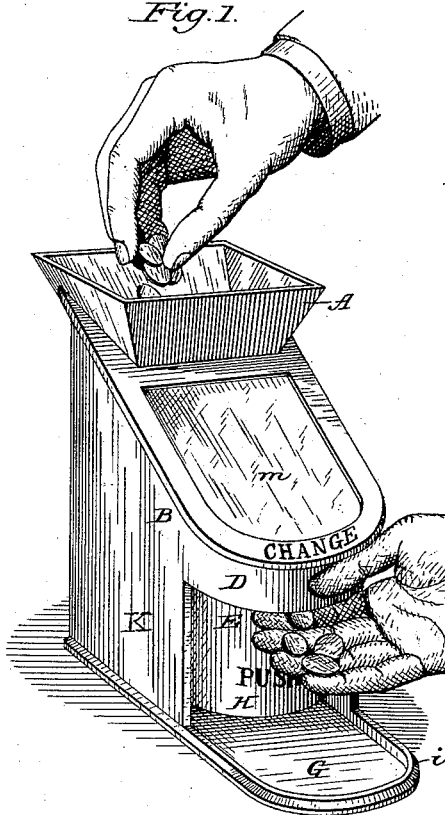


Fig. 2.

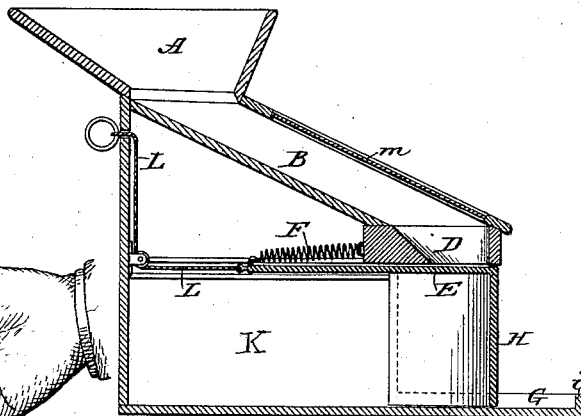


Fig. 4.

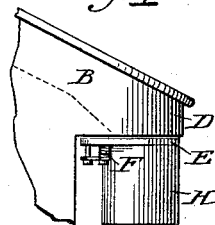


Fig. 3.

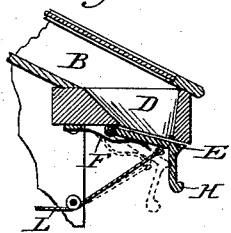
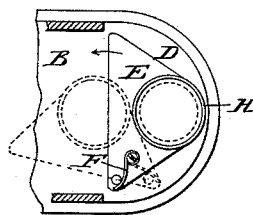


Fig. 5.



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# UNITED STATES PATENT OFFICE.

SIDELL E. FISH, OF GREENPORT, ASSIGNOR OF ONE-HALF TO EUGENE PEARL, OF NEW YORK, N. Y.

## CASH-DELIVERY DEVICE.

SPECIFICATION forming part of Letters Patent No. 385,665, dated July 3, 1888.

Application filed April 16, 1888. Serial No. 270,723. (No model.)

### *To all whom it may concern:*

Be it known that I, SIDELL E. FISH, of Greenport, in the county of Suffolk and State of New York, have invented a new and useful  
5 Improvement in Cash-Delivering Devices; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making  
10 a part of this specification, in which—

Figure 1 is a view in perspective of my improved cash-delivering device in form to be placed upon a cashier's desk and fitted with a sliding trap-door. Fig. 2 is a longitudinal  
15 vertical section thereof. Fig. 3 is a fragmentary longitudinal vertical section illustrating the trap-door when hinged. Fig. 4 is a side elevation, and Fig. 5 a bottom view, of the outer end of the delivery slide or chute illustrating the trap-door as arranged to turn upon  
20 a vertical pivot.

Much difficulty and annoyance are oftentimes experienced and delay occasioned in the attempt to pick up from a flat surface the coin  
25 returned as change by the cashiers in business establishments of all kinds, as well as in the tender or delivery of the money, and especially is this the case at ticket-offices and places where numbers of persons hurriedly crowd to  
30 make payment and receive their change.

The object of my invention is to facilitate the neat and rapid delivery of change and to overcome the obvious disadvantages attendant upon the methods ordinarily pursued.

35 It consists, mainly, in the combination, with a suitable case or stand, of an extended chute adapted to receive at its upper end the coin tendered in change, and whose outer lower end is made to project beyond its supports to permit of the insertion of the hand under it, and  
40 of a spring-actuated door fitted to close the lower end of the chute automatically and to be opened by the movement of the extended hand as it is passed under the opening to receive the money.

45 It consists, further, in the combination, with the spring-actuated door at the lower end of the chute, of a cord or wire extending thence to a point proximate to the receiving end of the chute, whereby the cashier may open the

receptacle at pleasure without leaving his station.

In the accompanying drawings, A represents a hopper of any convenient form communicating at the bottom with an inclined  
55 passage or chute, B, placed at such an angle as that any piece of coin dropped therein through the hopper will roll or slide freely down to its lower end. The lower end, D, of the chute is closed by a door, E, which is  
60 actuated by a spring, F, operating to keep it closed and to shut it automatically after it has been opened.

The door E may be arranged to slide in suitable ways under the opening in the chute, 65 as shown in Fig. 2, or it may be hinged to swing up against the opening, as shown in Fig. 3, or be pivoted upon a vertical axis to turn thereon in a horizontal plane, as shown in Figs. 4 and 5. In either case, and however  
70 mounted, the door E is adapted to be opened by the pressure against it of the fingers of the hand as the hand is passed under the end D of the delivery-chute B, so that as the open hand  
75 moves into position to receive the money from the chute the end of the chute is opened to permit the coin to drop therefrom into the hand, and the door is automatically shut by means of an actuating-spring, F, or its equivalent, so as to close the chute as the hand is  
80 withdrawn.

The chute and its automatic door may be mounted upon a suitable portable stand, K, as shown in Figs. 1 and 2, so as to admit of being  
85 placed upon a desk or counter within easy reach both of the cashier and of the party who is to receive the change, or it may be fitted permanently in the counter or desk at which  
90 change is to be delivered, so that the hopper and the delivery-door shall be removed from each other at a greater or less distance, or placed in a partition—as, for example, in the door of a street-car—so that the receiving-hopper shall be upon one side and the delivery  
95 end of the chute upon the other.

The chute B may be in the form of a tube, and it may follow an indirect as well as a direct course from the hopper to the delivery-door and be inclined more or less from the perpendicular. The lower delivery end, D, of the 100

chute, however the chute may be mounted or located, is made to project beyond its supporting-frame far enough to allow the open hand to be readily inserted under it in position to catch and retain the coins dropping from the opening in said lower end when its door is opened. The door is so arranged as that the coins shall rest thereon when it is closed, so as to surely drop therefrom when it is opened.

The door is in all cases hung and fitted, substantially as hereinbefore described, so as to close automatically under the discharge-opening in the chute, and it is provided with a downwardly-projecting piece, H, formed and adapted in each case to facilitate a pressure of the first finger or side of the hand against it as the hand is passed under the end of the chute to receive the money.

A tray, G, is made to project out horizontally beyond the end of the chute at such a distance beneath it as not to interfere with the movement of the hand in pushing open the door E to receive the change. This tray serves to catch any coin which may accidentally fall from the chute without being caught in the hand, and it is fitted with a raised rim, i, to prevent the coin from rolling off of it.

The bottom and sides of the hopper and chute are preferably lined with flannel, leather, rubber, or other soft material to prevent noise in the passage of the coins through it; or the chute itself may be made of paper, pasteboard, leather, or rubber for the same purpose.

The lower end of the chute may also be fitted with a top or front plate of glass, m, so that the change dropped into the chute and lodging upon the door at its lower end may be inspected before being taken from the chute.

To enable the cashier to deliver the change deposited in the chute to parties who may not be able to open the door or who may fail to understand the operation of the device, a cord, L, may be attached to the door and led over friction-pulleys to within reach of the cashier, as shown in Fig. 2, so that he may, by a pull upon said cord, cause the change to drop from the chute out upon the tray G under the same.

I claim as my invention—

1. The change-delivering device constructed, substantially as described, of an extended inclined chute having a cash-receiving opening at its upper end, in combination with a spring-actuated door closing its lower end, substantially in the manner and for the purpose herein set forth.

2. In a change-delivering device, the combination, substantially as set forth, of the inclined chute having a cash-receiving opening at its upper end, the spring-actuated door closing its lower end, and the actuating-cord extending from the door to a point at or near the receiving end of the chute.

3. The combination, in a portable change-delivery device, substantially as set forth, of the hopper A, the inclined chute B, projecting beyond its supports at its lower end, D, the door E, closing an opening in said lower end, the spring F, actuating the door to close it automatically, the hand-piece H, projecting from the door, and the tray G beneath the door.

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

SIDELL E. FISH.

Witnesses:

ISAAC T. CORWIN,  
GEORGE H. ROWLAND.