

A. E. G. LUBKE.
CASH DELIVERING DEVICE.
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1,022,636.

Patented Apr. 9, 1912.

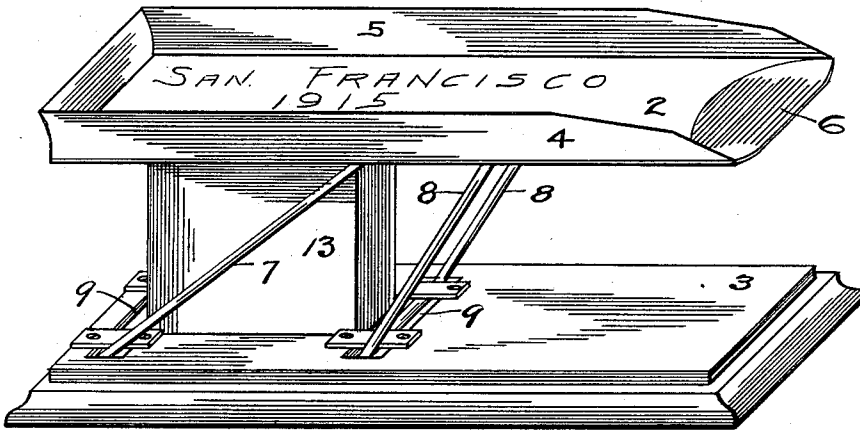


FIG. 1

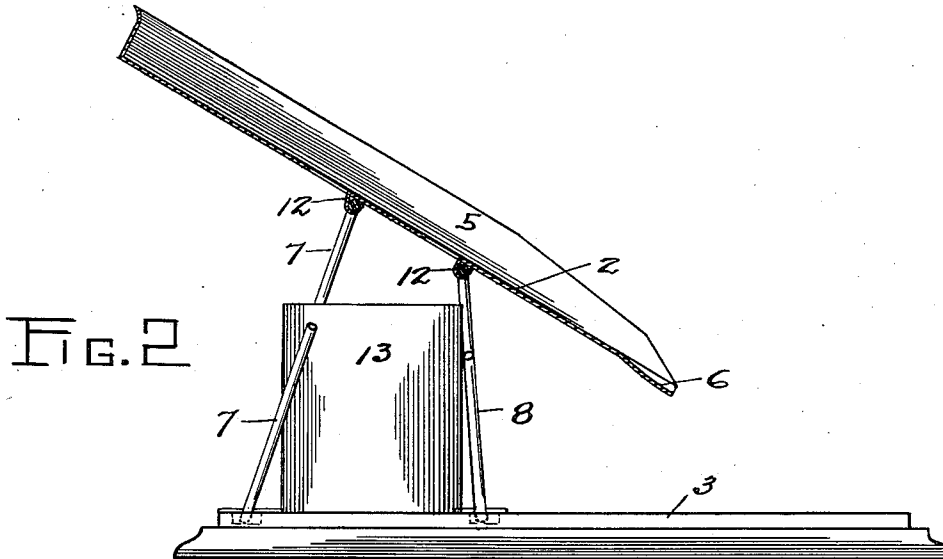


FIG. 2

WITNESSES

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CASH-DELIVERING DEVICE.

1,022,636.

Specification of Letters Patent.

Patented Apr. 9, 1912.

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To all whom it may concern:

Be it known that I, ADOLPH E. G. LUBKE, a citizen of the United States, and a resident of the city and county of San Francisco and State of California, have invented certain new and useful Improvements in Cash-Delivering Devices, of which the following is a specification.

The invention relates to improvements in cash delivering devices which are used on counters, cash registers, ticket selling windows and similar locations to enable the customer to quickly secure the cash change due.

The object of the invention is to provide means whereby the change due the patrons may be quickly transferred to their hands after it has been laid out by the clerk.

Another object of the invention is to provide a device, which when operated by the hand, operates to deliver the change directly into the hand.

Heretofore, change delivering devices which were intended to deliver the change to the hand of the patron and thereby obviate the necessity of picking each piece up separately, have all consisted of a pivoted chute, which when depressed by the hand at one end, caused the chute to assume an inclined position and deliver the change to the hand of the patron. These chutes have all been pivoted at one point, located at or near the middle of the chute, so that the opposite ends of the chute moved in concentric circles about the pivot. This arrangement has proved disadvantageous because a sudden depressing of one end of the chute will throw the money on the farther side thereof into the air or over the patron's hand, causing greater inconvenience and delay than if the device were not used.

In the device of my invention I overcome these disadvantages by mounting the chute in such a manner that it assumes an inclined position under the horizontal pressure of the hand at one end. The motion of the chute is generally away from the hand, so that the motion of the money, regardless of the speed at which the chute is operated, is directly into the hand.

This device possesses other advantageous features, which with the foregoing will be set forth at length in the following description, where I shall outline in full that form of the invention which I have selected for illustration in the accompanying drawings,

forming part of the present specification. The novelty of the invention will be included in the claims succeeding said description. From this it will be apparent that I do not restrict myself to the showing made by such drawings and descriptions as I may adopt many variations within the scope of my invention as expressed in said claims.

Referring to the drawings: Figure 1 is a perspective view of the device with the chute in a horizontal position. Fig. 2 is an elevation, partly in section, showing the chute in an inclined position.

The device consists of a tray or chute which is mounted upon a base in such a manner that a lateral pressure against the open end of the chute will cause it to recede and assume an inclined position. The chute is of rectangular construction, the opposite sides 4—5 being parallel to each other. I find this shape of chute to be preferable, as the coin will slide directly off the chute, and will not jam, as frequently occurs when the chute is formed with a contracted mouth. The chute is also preferably formed with a slight depression or concavity 6 at the mouth, which serves to assist in the operation of the device.

The chute 2 is attached to the base 3 by the links 7—8 of unequal length. These links are pivoted to the base, by being seated in the depressions 9 therein, and are pivotally attached to the chute by means of straps 12 which are punched out from the body of the chute.

The link 7, being the longer, is attached to the base adjacent the rear end and to the chute preferably at a point adjacent the center. The shorter link 8 is attached to the base and the chute in advance of the link 7, the distance between the points of attachment of the links to the chute being shorter than the distance between the points of attachment of the links to the base. When pressure is exerted against the mouth of the chute, the unequal lengths of the links causes the chute to assume an inclined position as shown in Fig. 2.

A suitable stop, such as the block 13 is employed to hold the chute horizontal in its depressed position.

The value of the device may be increased by inserting a card bearing an advertisement or other inscription in the chute.

When desirable, the card may be covered by a sheet of transparent material such as glass or celluloid.

The operation of the device is as follows:

- 5 The clerk or agent deposits the change due the patron on the chute and the patron places the palm of his hand against the mouth of the chute and presses it backward. The chute assumes an inclined position and
10 the coin slides into the patron's hand. When the hand is removed, the chute drops back to the horizontal position. The motion of the chute is such, that regardless of the force of the blow given by the hand, the
15 coin will always be projected directly into the hand.

I claim:

- 20 1. A change delivering device comprising a base, a chute, having one end open, links of unequal length connecting said chute with said base, the point of attachment of the shorter links lying closer to the open

end of the chute than the longer links, the links being so arranged that they are inclined toward the open end of the chute 25 when the chute is in a horizontal position.

2. A change delivering device comprising a base, a block mounted upon said base, a chute resting on said block, and links of unequal length connecting said base and 30 said chute.

3. A change delivering device comprising a base, a block arranged on said base, a chute, having one end open, resting upon said block and lying normally parallel to 35 said base, links of unequal length pivotally connected to said base and said chute, said links being normally inclined toward the open end of the chute.

ADOLPH E. G. LUBKE.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."