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H. I. LARSON

ILLUMINATED COIN TRAY

Filed Jan. 13, 1922

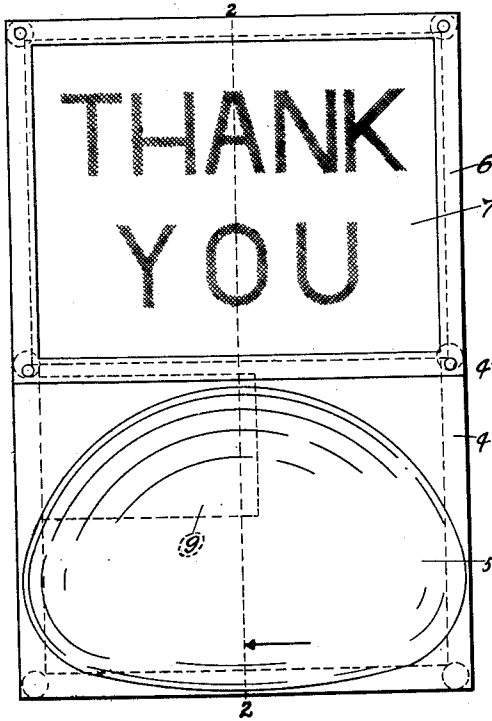


FIG. 1 -

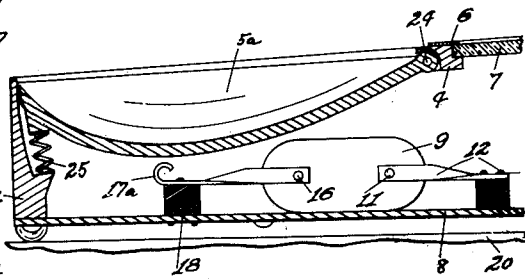


FIG. 3 -

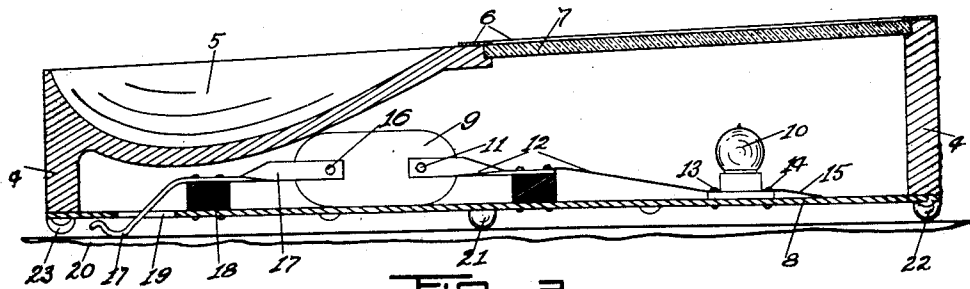


FIG. 2 -

Inventor

HENRY I. LARSON

By *A. E. Carlson*
Attorney

UNITED STATES PATENT OFFICE.

HENRY I. LARSON, OF MINNEAPOLIS, MINNESOTA, ASSIGNOR TO GOOD-WILL MFG. COMPANY, A CORPORATION OF ILLINOIS.

ILLUMINATED COIN TRAY.

Application filed January 13, 1922. Serial No. 529,033.

To all whom it may concern:

Be it known that I, HENRY I. LARSON, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Illuminated Coin Trays, of which the following is a specification.

This invention relates to coin trays and the main object is to provide an improved construction of tray combining therewith a novel and ingenious method of advertising consisting of a sign forming a part of the tray and adapted to be illuminated and read only when change is being returned or given to a customer making a purchase in the store having the tray on its counter or case. Further objects will be disclosed in the course of the following specification and are illustrated in the accompanying drawing, in which:

Fig. 1 is a top or plan view of my improved coin tray, showing it as illumined.

Fig. 2 is an enlarged sectional view as seen substantially on the line 2—2 in Fig. 1.

Fig. 3 is a sectional view of the device corresponding to the left end of Fig. 2, but showing a modification in the circuit closing means.

Referring to the drawing by reference characters 4 designates a hollow casting or main frame having a concave coin tray 5 hollowed out of its forward end. The rear portion of the device is provided with an opening in which is fitted and secured by a strip 6, a glass 7. On the underside of the glass 7 is imprinted or painted an advertisement or suitable words such as "Thank you," while the upper surface of the glass is ground or frosted so that the sign can be read only when a light is thrown against the underside of the glass.

The open or bottom side of the casting or frame 4 is closed by a suitable plate 8, which carries a battery 9 and a light bulb 10. One pole 11 of the battery is suitably connected by a connection 12 to one pole 13 of the light 10, the other light pole 14 being grounded by a short wire 15 to the plate 8. To the other battery pole 16 is connected one end of a spring member 17 which is rigidly secured on an insulation block 18. The other end of the spring member 17 extends down through a slot 19 in the plate

8 and normally rests with said end on the table or support 20 on which the device stands.

The entire device rests normally on small knobs 21 and 22, the former being so positioned that the rear end of the device will slightly overbalance the front end. The smaller knobs 23 at the front end will then be suspended a short distance above the support 20.

When a purchase is now made, and the purchaser's change is tossed or put into the tray 5, he, in getting his change out of the tray, unconsciously presses the front end of the device down with his fingers. In doing so the lower end of the spring member 17 touches the plate 8 and thus closes an electric circuit consisting of the elements 9, 16, 17, 8, 15, 14, 10, 13, 12 and 11. With the bulb 10 thus lit the reading matter on the plate 7 is brought to the purchaser's attention until his change is removed.

In the construction shown in Fig. 3 the entire device is not tiltable as in Figs. 1 and 2. The same effect is produced, however, by making the main frame 4 rigid and by hingedly mounting therein, as at 24, a tray 5^a. In this event the tray 5^a is normally held up by a suitably light spring 25, and when pressed down touches a member 17^a thus completing a circuit in much the same manner as previously described in the first mentioned construction.

It is understood that suitable modifications may be made in the design and general construction of this device, provided, however, that such modifications come within the spirit and scope of the appended claims.

Having now therefore fully shown and described my invention, what I claim to be new and desire to protect by United States Letters Patent is;

1. A device of the class described consisting of a suitable frame having a tray at one end and a translucent glass at the other end thereof, and means for automatically illuminating said glass when said tray is pressed down.

2. A device of the class described consisting of a suitable frame comprising a coin tray at its forward end and having a translucent element over its rear end, said coin tray being movable up and down, a lighting element under said translucent element and means for automatically illuminating the

lighting element by pressing said tray downward.

3. The combination in a device of the class described of a coin tray and a sign, said coin tray being movable up and down and said sign being readable when illuminated, an electric light adapted to illuminate the sign, and means operative by tilting said tray for closing an electric circuit containing said light.

4. The combination in a device of the class described of a tiltable coin tray yieldingly held in an upward position and a sign adjacent thereto, said sign being readable when illuminated from below, an electric

light below the sign and a battery connected in circuit therewith within the device, means for closing said circuit by pressing down on said coin tray.

5. A device of the class described consisting of a tiltable frame normally resting in a rearward position, a tray formed within the forward end of the frame, a sign in the rear end of the frame, an electric bulb for illuminating the sign, and means for closing a circuit through said bulb by tilting the frame forward.

In testimony whereof I affix my signature.

HENRY I. LARSON.