May 10, 1932. C. A. FRICK 1,858,190

COIN BOX

Filed June 21, 1929

Fig. 1.

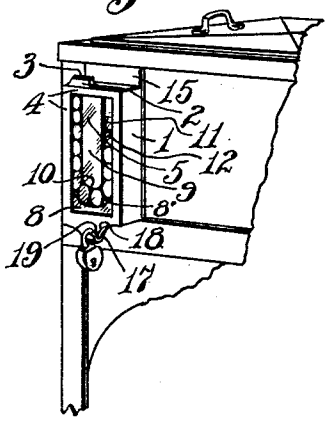


Fig. 2.

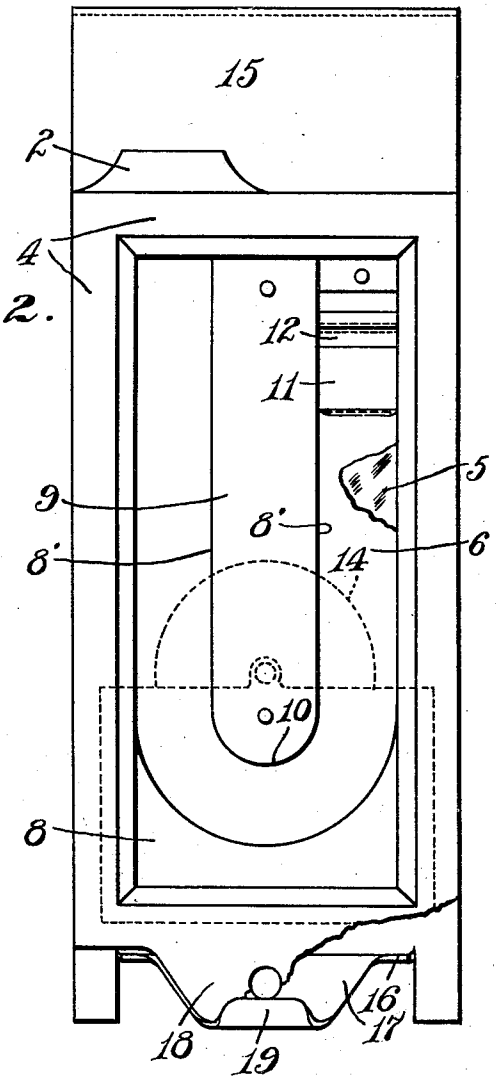
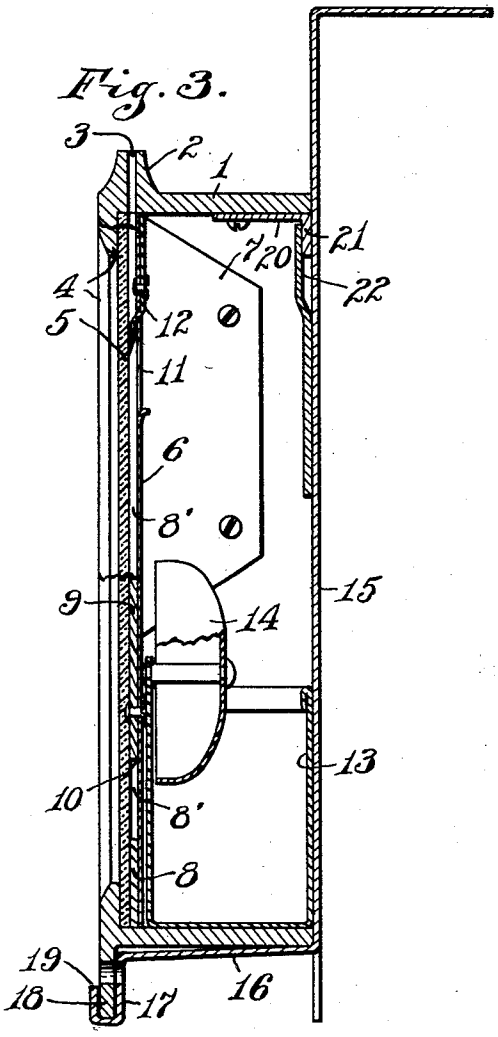


Fig. 3.



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UNITED STATES PATENT OFFICE

CHESTER A. FRICK, OF MUNCIE, INDIANA, ASSIGNOR TO GLASCOCK BROTHERS MANUFACTURING COMPANY, OF MUNCIE, INDIANA, A CORPORATION OF INDIANA

COIN BOX

Application filed June 21, 1929. Serial No. 372,775.

My invention relates to improvements in coin receptacle and particularly to that type of a receptacle adapted to be used in connection with "serve yourself" dispensing of goods.

In this manner of dispensing goods reliance is placed upon the purchaser to pay for the goods after having served himself and it is one of the objects of the present invention to provide a coin receptacle adapted to be attached to the cabinet from which the goods are served and into which the coin is deposited by the customer when serving himself, this receptacle being so arranged that the deposit of the coin will be disclosed and the character of the coin deposited visible.

For the purpose of disclosing my invention, I have illustrated an embodiment thereof in the accompanying drawing in which:

Fig. 1 is a partial perspective view of a dispensing cabinet having my coin receptacle attached thereto;

Fig. 2 is a front elevation of the coin receptacle and

Fig. 3 is a longitudinal sectional view thereof.

In the embodiment of the invention illustrated, I provide a rectangular housing 1 open at its back and front and provided at its top with a mouth 2 having a coin chute or slot 3 therein. The front portion of the casing 1 is provided with an inturned peripheral flange 4 within which is adapted to seat a glass plate 5 for visibly closing the front opening of the casing. At the rear of this glass plate 5 I provide a flat plate 6 which is secured in position by means of rearwardly extending flanges 7 screwed or otherwise secured to the side walls of the casing 1. On the face of this plate is mounted a front plate 8 having a U shaped opening 8′ and a second elongated plate 9 centrally disposed between the side walls of said U shaped opening, the bottom end of which is rounded as at 10, whereby a U shaped coin channel is provided. These two plates fit against the glass 5 to maintain the same in position, so that, the glass cooperates with the two above mentioned plates to provide a U shaped chute for the coin, which chute has a glass front cover. At the upper end of one of the legs of the channel 8′ there is provided an opening 11, and at the top of this opening I provide a guiding finger 12, preferably of spring material and secured to the rear face of the plate and projecting through the opening and in contact with the glass plate.

In the rear of the plate 6 and within the receptacle is placed a coin box 13, removably mounted in position, which box is provided with a bell 14 in the path of a coin which will drop through the opening 11.

The box is supported upon and the back closed by a back plate 15 having a forwardly extending platform 16 at its bottom, the forward edge of this platform being provided with a down turned ear 17 to receive an ear 18 on the forward edge of the casing 1. This down turned ear 17 is also provided with an upturned lug 19. The ears 17 and 18 are provided with coinciding openings to receive a padlock or other securing member. The top of the casing has secured therein, on the under face thereof, a plate 20 having a downturned finger 21, which takes behind a spaced keeper 22 on the inner face of the plate 15. By this arrangement the back plate 15 is removably attached to the casing 1 and may be locked thereto to prevent unwarranted opening of the casing.

In operation, when the purchaser deposits a coin in the chute 3, it will drop down into the channel 8 and if succeeding coins are deposited the channel 8′ will become filled with coins, visible through 5, until the first deposited coin reaches the opening 11. After this the insertion of a coin will force the row of coins around the channel causing the first of the row to drop through the opening 11, this being insured by the finger 12, and into the coin box 13. As it drops into the coin box, the coin will strike the bell 14 giving a signal that a coin has been inserted in the box.

I claim as my invention:

1. In a coin receptacle, the combination with a stationarily mounted casing having an unobstructed U shaped coin channel of a width and cross-sectional area to accommodate a single coin and having one side open,

of a transparent cover plate for the open side of said channel, said channel having an inlet opening in one leg and an escape opening in the other leg.

2. In a coin receptacle, the combination with a stationarily mounted casing, of a plate mounted therein having formed on its face an unobstructed U shaped coin channel, the front of said channel being closed by a transparent plate, one leg of said U shaped channel terminating in a receiving opening and the other leg terminating in a delivery opening.

3. In a coin receptacle, the combination with a stationarily mounted casing having a front opening, of a glass plate closing said opening, a backing plate having an unobstructed U shaped channel formed on its face and cooperating with said glass front to form a coin chute, one leg of said chute terminating in a delivery opening through which the coins are adapted to pass to the rear of said plate.

4. In a coin receptacle, the combination with an enclosing casing having a front opening, of a glass cover for said opening, a backing plate having on a face thereof a U shaped channel, one leg of which coincides with an opening in said casing, said backing plate cooperating with said glass closure plate to form a coin chute, said chute having an opening in one leg thereof, through which the coin is adapted to pass to the rear of said backing plate, the rear of said casing being open and adapted to be closed by a removable backing plate.

5. A coin receptacle comprising a stationarily mounted box providing an unobstructed U-shaped slot having one transparent closed face, said box being formed with an intake opening at the upper end of one leg of said slot, and with a delivery opening adjacent the upper end of the other leg of said slot.

6. A coin receptacle formed to provide a reservoir and a slot adapted to receive a plurality of coins in edge-engaging relation, transparent means forming one face wall of said slot, an opening to receive coins at one end of said slot, and an opening adjacent the opposite end of said slot leading from said slot to said reservoir, whereby a plurality of coins are always maintained in said slot with one face of each exposed to view, and whereby the insertion of a coin through said first opening forces a coin through said second opening into said reservoir.

In witness whereof, I CHESTER A. FRICK, have hereunto set my hand at Muncie, Indiana, this 17th day of June, A. D. one thousand nine hundred and twenty-nine.

CHESTER A. FRICK.