

UNITED STATES PATENT OFFICE.

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COIN RECEIVING AND DEPOSITING MEANS.

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To all whom it may concern:

Be it known that I, THOMAS BUEL, a citizen of the United States, and resident of New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in Coin Receiving and Depositing Means, of which the following is a specification.

This invention relates to coin receiving and depositing means for use in coin actuated machines and otherwise. Heretofore, metal slugs, etc., have been inserted in coin receiving slots of coin actuated machines and used fraudulently for actuating the machine.

It is the object of this invention to stop or substantially hinder such fraudulent operation of said class of machines and also to produce coin receiving and depositing means that may be useful in other connections, for example, in portable, coin savings banks; in coin actuated turn stiles, etc., etc.

In the accompanying drawings forming a part hereof and illustrating the principle of this invention in the best mode now known to me of applying that principle,

Fig. 1 is a top plan view and Fig. 2 a vertical, central section at line 2-2 of Fig. 1 of one form of my new coin receiving and depositing means.

In that form of the invention now illustrated, 1 is an upstanding, coin receiving, guiding member formed with a vertical, coin receiving slot 2 in its upper, front portion of portion 3, has a downwardly and rearwardly curved edge which forms a guide track 4 for a coin X rolling edgewise down the track after leaving the coin receiving slot 2. The bottom wall of the slot is flush with the upper, front end portion of the track. The latter is wider than the coin receiving slot and its opposed, long corners are severally outwards of a vertical plane coincident with an inner, flat, vertical wall of the coin receiving slot. Said slot is dimensioned in width and height to receive a correspondingly dimensioned coin X requisite for operating a machine containing the present invention; or for any other purpose. Preferably, but not necessarily, the coin track 4, which is made transversely flat and also smooth, forms the bottom of a trough the upstanding, lengthwise extending, par-

allel side flanges of which are indicated by 5. In some cases such flanges, conjecturally, may be desirable.

Rearwardly of the rearward mouth of the coin receiving slot and therefrom extending coin track and spacedly apart from the rear or discharge end of the track, and preferably in transverse relation to such track for some distance laterally of its sides, an upstanding baffle, plate 6 is mounted. This baffle plate is formed with a vertical, elongated, coin passage 7 that is somewhat wider and higher than the thickness and diameter of the coin. This coin passage is opposed to the rear end of the coin track and its under end wall is located some distance lower down than the under end of the track. Thus, there is a gap of substantial extent between the rear end of the track from which the coin escapes and the coin passage through the baffle plate. The upper end of the coin passage should be no higher than is required for certainty of operation. The vertical edges or walls of the coin passage are severally outwards of the path of the coin along the middle of the track and rearwardly and downwardly across the gap and through the coin passage. A coin of selected size on being thrust edgewise through and between the vertical and parallel side walls of the coin receiving slot, rolls edgewise rearwardly, and downwardly on the track along the middle thereof and gaining momentum travels through the gap gravitatingly downwards and directly through the coin passage, falling into a coin receiver 8 which may or may not be a part of a coin actuating machine.

This apparatus, as described, operates with certainty on coins dimensioned and of a weight suitable for use in it. Member 1, containing the coin receiving and coin track, is shown as a thin, upstanding plate at right angles to the baffle plate containing the coin passage and which may be called the coin passage guard.

When badly made, unsymmetrical slugs S are pushed through the coin receiving slot, it is found that due to loss of balance or irregularity of peripheral contour, they do not run straight to the coin passage, but run or fall off the track or against the baffle plate and drop into a space 9 in front of the baffle plate. If strips of folded paper.

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for example, are thrust through the coin receiving slot and downwardly, usually due to their flexibility, they bend laterally and bring up against the baffle plate.

As shown, the baffle plate and member 1 are mounted upright on a base 10. Obviously, this invention may be embodied and is intended to be embodied in many different forms.

As shown, receiver 8 is a separate part and is assumed to be moved by the weight of a deposited coin for doing work, as in various kinds of coin actuated apparatus too numerous to mention, but readily understood by all skilled in the art. But, for example, part 8 might be a drawer in a savings bank for children; etc., etc. While space 9 is shown in open top box form, that is a mere detail of illustration wholly unimportant as regards the invention.

What I claim is:

The combination of a member provided

with a vertical, coin receiving slot; a downwardly and rearwardly extending coin track extending from the lower, rear end of the coin receiving slot; a transverse coin passage guard plate having a coin passage opposed to and spaced apart from the rear end of the coin track; and back of the coin passage, a coin receiver; the under end of the passage being at a lower level than the coin escape end of the track; and said track and spaced apart coin passage being shaped and dimensioned to permit a coin inserted in and through the coin receiving slot to roll down the track and to travel unsupportedly downwardly from the track through the gap and through said coin passage into the coin receiver.

Signed at New York city, in the county of New York and State of New York this day of —, A. D. 1924.

THOMAS BUEL.