

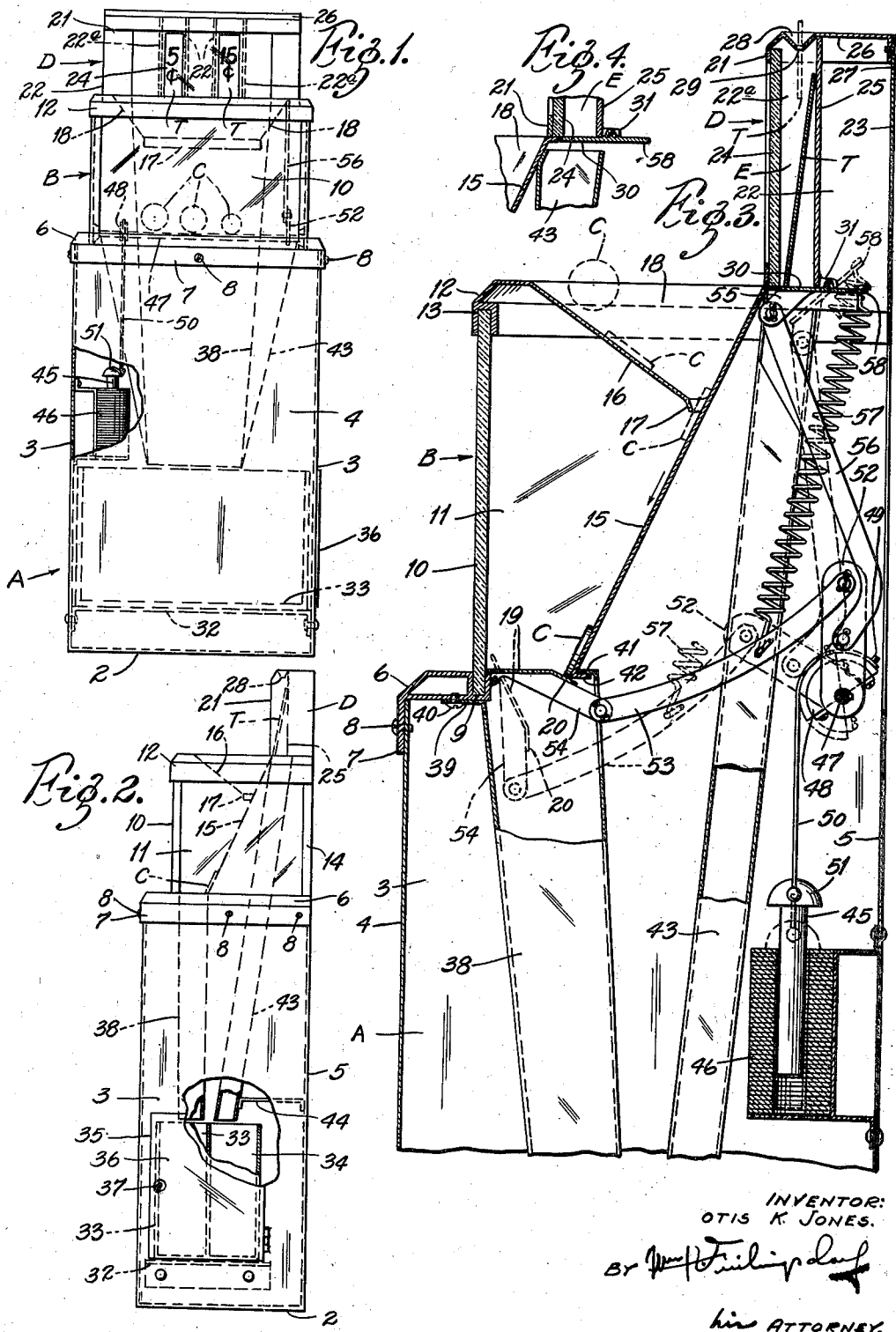
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COIN AND TICKET RECEPTACLE

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COIN AND TICKET RECEPTACLE

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This invention relates to coin and ticket receptacles, particularly to a device for receiving coins, or tokens, and tickets, such as charge check tickets, in which device such coins and tickets are held in display position before being dropped into collection drawers provided therefor.

The principal object of this invention is to provide a receptacle which has a coin receiving box and separate charge check receiving compartments located adjacent thereto so that coins and checks deposited in the box and ticket compartments respectively, can be readily noted and checked at a glance to see if the amount of coins deposited tallies with that noted on the checks and thereafter readily dropped into the collection drawers.

Another object of this invention is to provide a receptacle of this sort in which the coin box is provided with a receiving hopper that has a comparatively large mouth so that no great amount of care need be exercised by customers in depositing coins therein, but which hopper is so designed that the coins will ultimately rest therein in substantially upright display positions whereby the amount thereof can be readily ascertained by the storekeeper. A further object of this invention is to provide a coin and ticket receptacle that is simple in construction and that is comparatively inexpensive to make.

The invention consists in the coin and ticket receptacle, and in the parts, combinations, and arrangements of parts hereinafter described and claimed.

In the accompanying drawing, which forms part of this specification, and wherein like reference symbols refer to like parts wherever they occur;

Fig. 1 is a front view, with parts broken away, of a coin and ticket receptacle embodying my invention;

Fig. 2 is a side view, with parts broken away, of the construction shown in Fig. 1;

Fig. 3 is an enlarged vertical sectional view of the upper portion of the coin and ticket receptacle, and,

Fig. 4 is an enlarged vertical fragmentary sectional view of the lower portion of the ticket receiving compartments.

The coin and ticket receptacle illustrated comprises a rectangularly shaped case or stand A comprising a flat bottom portion 2, side walls 3, a front wall 4, and a rear wall 5. Mounted around the top of the front wall 4 and side walls 3 of the case A is a three-sided frame 6 having a vertically depending flange 7 around its outer edges

which extends around the outside of the front and side walls of the case A and is fixed thereto as by screws 8. The top of the frame 6 adjacent to its inner edges has a channel 9 formed therein for receiving panels of glass, or other suitable transparent material. These glass panels constitute the front wall 10 and the side walls 11 of a box, generally designated as B, for receiving coins or tokens C. The upper ends of these glass panels are held together by another three-sided frame 12 that has a channel 13 in its bottom adjacent to its outer edges into which channel fit the upper ends of the glass panels 10 and 11. Preferably, upright channels 14 are fixed to the lower frame 6 and the upper frame 12 at their rear ends for accommodating and reinforcing the rear edge portions of the glass side panels 11 of the coin box.

Mounted between the side panels 11 of the coin box B is a plate member constituting a slide 15 for the coins C which plate is attached as by welding, or the like, to the upper and lower frames of the coin box. This slide, hereinafter termed the main slide, is inclined from the upper rear part of the box B to the front lower part thereof, the angle of slope being substantially sixty-five degrees. The top of the front side of the upper frame 12 extends into the box and is inclined downwardly to form another slide 16, the angle of slope being substantially thirty-five degrees. This latter slide 16 which is tapered inwardly towards its lower end has its lower end portion bent downwardly as at 17 adjacent to the front face of the main slide 15 with sufficient clearance space provided therebetween that the coins can only pass therethru edgewise. The top of each side of the upper box frame extends into the box, and is inclined downwardly to form slides 18 at the sides of the box. These side slides 18 are tapered so that their edges meet those of the front slide and the face of the main slide and are, preferably, welded thereto to form a trough-like hopper for receiving the coins C. By this slide and hopper arrangement the coins are bound to slide down the lower part of the main slide with their faces flat against the face thereof.

A flat member, hereinafter called the coin trap door 19, is hinged along the inner edge of the front side of the lower box frame. This trap door 19, which is normally closed, has a downwardly bent end portion 20 disposed at substantially right angles to the face of the main slide 15 at the bottom thereof in position to be engaged by coins sliding thereon for stopping them with

their faces flat against the face thereof for display purposes.

Mounted on the top of the upper coin box frame 12 is a case D comprising a front wall 21, side walls 22, and a rear wall 23. The front wall 21 of such case is disposed in alignment with the upper edge of the main slide 15 and has a comparatively large rectangular opening therein which is closed by a panel of glass 24. An upright partition wall 25 is mounted in the case D intermediate the front and rear walls thereof; disposed at right angles to this partition wall 25 and suitably fixed thereto is a series of vertical partition members 22a which form a series of compartments E for receiving tickets T. A cover plate 26 is provided for the top of the case D and held thereon as by screws 27. This cover plate has a V shaped notch 28 formed therein with a series of slots 29 in its bottom, thru which slots the tickets T may be dropped into the ticket receiving compartments E. A flat member, hereinafter called the ticket trap door 30, closes the bottom of the ticket receiving compartments. This trap door is hinged on the rear ends of horizontally disposed stub flanges 31 extending rearwardly from the lower end of the partition wall 25.

Mounted within the case A near the bottom thereof is a transverse channel-shaped support 32 for a coin collection drawer 33 and a ticket collection drawer 34; one side wall 3 of the case has a rectangular opening 35 therein for removing the drawers. A door 36 is hinged at one side of such opening, and is provided with a suitable lock 37.

A chute 38 is mounted within the case A between the bottom of the coin box B and the top of the coin collection drawer 33 for conveying coins from the box to such drawer. This chute 38 is provided with a horizontal flange 39 at its upper end which is secured to the upper box frame 6 as by screws 40. The chute also has a horizontal flange 41 at its upper, rear edge which laps over a horizontal flange 42 extending rearwardly from the bottom of the slide 15, and is preferably welded thereto to further hold the chute in place. Another chute 43 is mounted within the case A. This chute extends between the bottom of the ticket receiving compartments E and the top of the ticket collection drawer 34 for conveying tickets from the compartments E to such drawer. This chute is fixed at its upper end by welding, or other similar means, to the upper end of the slide 15, and at its lower end by a brace member 44 fixed to the rear wall 5 of the case A.

The coin and ticket trap doors 19 and 30 are operated conjointly to release the coins and tickets simultaneously into the respective chutes 38 and 43 by a lever mechanism which is operatively connected to the core 45 of a solenoid magnet 46 mounted on the rear wall 5 of the case A and suitably secured thereto. The magnet 46 is located near one side of the case A and is connected to any suitable source of electric current, and a switch (not shown) is inserted in the circuit of the magnet and may be located in any convenient place for operation by the keeper of the receptacle. A transverse shaft 47 is journaled in bearings at each side of the lower box frame 6. Mounted on this shaft for rotation therewith directly above the magnet is a pulley segment 48 having a radially disposed pin 49 extending therefrom to which is attached one end of a cord 50 that extends around the top of

the pulley segment and has its lower end fastened to the core 45 of the magnet 46. The core 45 has an enlarged head portion 51 adapted to engage the top of the magnet and thus limit the downward movement of the core when the magnet is energized.

Rigidly fixed on the transverse shaft 47 near the end thereof opposite the pulley segment is a comparatively short arm 52 that normally extends upwardly when the trap doors are closed. One end of a slightly bow-shaped connecting lever 53 is pivotally connected to the upper end of the arm 52, and its other end is pivotally connected to an arm 54 extending rearwardly and downwardly from the coin trap door 19.

The ticket trap door 30 has an arm 55 extending forwardly and downwardly therefrom, and a connecting lever 56 has one end pivotally connected to the arm 55 and the other end to the arm 52 substantially midway between the shaft 47 and the upper end of the arm 52, the lever 56 being curved to extend around and clear the rear end of the bow-shaped lever 53. In order to keep the lever mechanism in normal position with the trap doors closed, a coil spring 57 has one end fixed to an extension 58 provided on the rear of the trap door 30 and the other end attached to the bow-shaped connecting lever 53 near the middle thereof.

The coin and ticket receptacle hereinabove described provides a simple substitute for comparatively complicated and expensive cash registers. In use, whenever a customer makes a purchase, the storekeeper gives the customer a charge check ticket with the amount of the purchase printed, or otherwise noted thereon, in bold type. The customer then inserts the ticket in one of the display compartments E and deposits a coin or coins to pay the same in the coin receiving hopper. The coin or coins deposited will ultimately come to rest at the bottom of the coin box in display position, as hereinabove explained, and the storekeeper can then readily determine whether the customer has paid the correct amount by comparing the amount noted on the ticket and that of the coin or coins displayed in the coin box.

At any convenient time thereafter, the storekeeper can automatically clear the coin and ticket display compartments by merely closing the control switch (not shown) to energize the magnet 46; this energization pulls the core thereof downwardly which, obviously causes partial rotation of the shaft 47 and movement of the lever mechanism into the position shown in dotted lines in Fig. 3 to open the coin and ticket trap doors and thus allow the coins and tickets to drop down the respective chutes provided therefor and into the collection drawers. Upon opening the control switch, the trap doors are immediately closed and the lever mechanism is brought back to its normal position due to the action of the coil spring 57.

The coin and ticket receptacle described herein is comparatively simple in construction and inexpensive to make; it is arranged with a comparatively large coin receiving hopper so that little care need be exercised by customers in depositing coins therein.

Obviously, the construction hereinabove described admits of considerable variations without departing from the spirit and scope of the invention; accordingly, the invention is not to be limited to the precise construction, and arrangements of parts, shown and described.

I claim:

1. A device of the character described, having therein an inclined slide for coins, means for positioning coins on said slide with their faces flat against the face thereof, and a horizontally-disposed flat movable member having a comparatively short downwardly extending portion adjacent to the face of said slide adapted to be engaged by coins sliding down said slide for normally stopping and keeping them thereon in display position with their faces flat against the face thereof, and means for displacing said movable member for releasing the coins.

2. A device of the character described, having therein an inclined slide for coins, means for positioning coins on said slide with their faces flat against the face thereof, a horizontally-disposed flat trap door having a comparatively short portion thereof adjacent to the face of said slide extending at substantially right angles thereto for normally stopping coins sliding down said slide and keeping them thereon in display position with their faces flat against the face thereof, and means for opening said trap door for releasing the coins.

3. A device of the character described, having therein an inclined main slide for coins, a secondary inclined slide extending toward the face of said main slide with sufficient clearance space provided between the end of said secondary slide and the main slide that the coins can only pass therethru edgewise and cause them to slide down the main slide with their faces flat against the face thereof, inclined slides provided at the sides of said secondary slide and the upper portion of the main slide to form a trough-like coin receiving hopper, and a trap door having a downwardly extending portion adjacent to the face of the main slide below the hopper for normally stopping coins sliding down said slide and keeping them in display position with their faces flat against the face thereof.

4. A device of the character described comprising a coin receiving box, a movable member for normally holding coins therein in display position, a ticket receiving case closely associated with said box, a movable member for normally holding tickets in said case in display position, and means for operating said movable members conjointly for releasing the coins and tickets simultaneously.

5. A device of the character described comprising a coin receiving box having a glass front side and having therein an inclined slide for coins facing the glass front thereof, means in said box for normally stopping and holding coins on said

slide in display position with their faces flat against the face thereof, a case having a glass front side associated with said box and having a wall located rearwardly of said glass side to form a compartment for receiving tickets, means for normally holding tickets in said compartment in display position, and means for operating the coin holding means and the ticket holding means conjointly for releasing the coins and tickets simultaneously.

6. In a device of the character described, a coin receptacle, a ticket receptacle located adjacent to the coin receptacle, said receptacles having transparent forward walls and means for holding coins and tickets in substantially upright display position therein, a collection drawer below said receptacles, said receptacles having movable bottom members operable to discharge coins and tickets therefrom into said drawer, and means common to said bottom members for affecting simultaneous operation of the same.

7. A device of the character described, a coin receptacle, a ticket receptacle located adjacent to the coin receptacle, said receptacles having transparent forward walls and means for holding coins and tickets in substantially upright display position therein, a collection drawer below said receptacles, said receptacles having movable bottom members operable to discharge coins and tickets therefrom into said drawer and remotely actuable means common to said bottom members for affecting simultaneous operation of the same.

8. A device of the character described including a housing member, relatively adjacent coin- and ticket-receiving chambers located at the upper end of said housing member, said chambers having glass forward walls, rear walls arranged to maintain coins and tickets in substantially upright display position, and movable bottom members for supporting said coins and tickets while in said display position; individual coin and ticket collecting compartments located in the lower end of said housing, chutes for conveying coins and tickets from said chambers to said compartments, and means for actuating said bottom members to cause the same to move simultaneously and drop coins and tickets from said chambers to said compartments.

9. A device of the character described comprising a coin receiving box, a movable member for normally holding coins therein in display position, a ticket receiving case associated with said box, a movable member for normally holding tickets in said case in display position, and means for operating said movable members for releasing the coins and tickets.

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