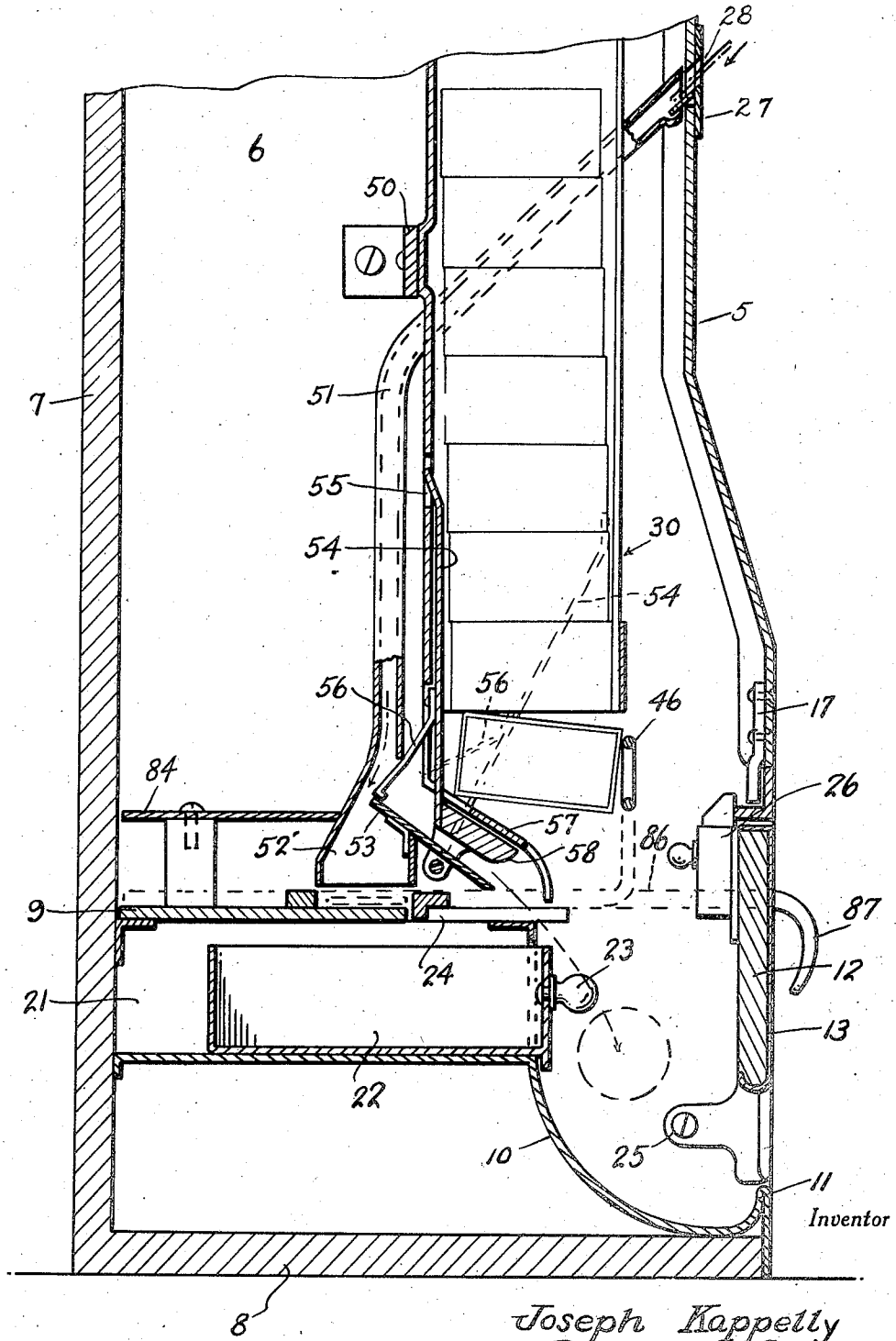
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COIN CONTROLLED DISPENSING MACHINE

Filed June 4, 1929



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COIN-CONTROLLED DISPENSING MACHINE

Application filed June 4, 1929. Serial No. 368,215.

The present invention pertains to new and useful improvements in the class of inventions known as check controlled apparatus.

Another important object of the invention is to provide a coin controlled dispensing machine from which merchandise may be dispensed without possibility of crushing.

Still another salient object of the invention is to provide a machine of the character mentioned which will be substantially fool proof, and wherein after the merchandise has been exhausted, mechanism will act to deflect inserted coins into a tray where they may be easily retained by the depositor.

In the drawing:

The figure represents a fragmentary vertical sectional view taken illustrating a mechanism constructed in accordance with the present invention.

Referring to the drawing wherein like numerals designate like parts, it will be seen that the improved machine includes a casing generally referred to by numeral 5. The casing consists of side walls 6, a rear wall 7, and a bottom wall 8, while supported horizontally within the casing and at a point above the floor 8 is a platform 9, which terminates at its forward longitudinal edge spacedly from the front of the casing and extending downwardly from this edge is an inclined tray 10, which rises upwardly as at 11 to provide a shoulder against which coins falling from the machine may stop. A short front wall 12 is provided, a covering 13 of suitable sheet material being provided for the outer side thereof.

Extending rearwardly from openings in the tray 10 are drawer compartments 21 for receiving one or more money drawers 22, each equipped with a suitable knob 23, and being normally disposed in underlying respect through an opening 24 in the platform 9. The front wall 12 aforementioned swings on a pivot 25, whereby it may be swung to the open position, but it is secured against displacement when in upright position by the latch 26. The front wall 5 has a plate 27 secured thereon in horizontal position and provided with a slot 28 therein for registering with the coin chute to be fully described hereinafter.

As is shown in the drawing a rack 30 is mounted vertically within the casing and upon the platform 9. By way of exemplification, the rack 30 is shown supporting a stack of match boxes. The rack consists in construction of a rear wall 32 and side walls 33, the side walls being bent inwardly at their forward edges to provide flanges 34 to prevent the merchandise from slipping outwardly thereof.

A coin chute 51 is disposed in the manner shown in the drawing, having its upper end communicating with the slot 28 in the front wall of the casing. The coin chute leads to the mechanism for controlling the dispensing of the match boxes, but it is to be understood that any number of goods racks, coin chutes and coin controlled mechanism may be employed, merely by duplication of the several parts.

The money chute is enlarged at its lower end in the manner designated by numeral 52, while at the upper portion of the enlarged lower end of the chute, a plate 53 protrudes into the chute. A spring tensioned arm 54 is normally interposed between the stack of match boxes or other goods, and the rear wall of the rack with its upper end disposed within the opening 55 in said rear wall. A finger 56 depends obliquely from the arm 54 and normally engages the upper edge of the inclined plate 53 so that coins falling through the chute 51 will be deflected by said finger 56 and into the compartment 52. The lower end portion of the back wall of the rack has a declining extension 57 and beneath this declining extension is a pivotally mounted block 58 to which the spring arm 54 is connected. Obviously when the boxes of matches become exhausted, the arm 54 will snap over to the position shown in dotted lines and carry the finger 56 therewith. Thus the coin falling through the chute 51 will fall upon the plate 53 and by sliding down the plate 52 may be returned to the depositor by way of the tray 10.

While the foregoing specification has been in specific terms, it is to be understood that

numerous changes in the specific shape, size, and materials may be resorted to without departing from the spirit and scope of the invention as claimed hereinafter.

Having thus described the invention, what I claim as new and desire to secure by Letters Patent is:—

1. A coin controlled dispensing machine of the character described comprising a casing having a merchandise supporting rack mounted therein, a coin chute adjacent the rack, a coin receiving receptacle disposed beneath the chute to receive coins therefrom, a tray disposed in the casing out of vertical alignment with the discharge end of the chute, an inclined plate extending into the chute and adapted to direct the coin therefrom into the tray, a pivotally mounted arm mounted in the casing and extending into the rack, a finger mounted on the arm and extending into the chute above the inclined plate and adapted to deflect the coin from said plate into the receptacle, said arm adapted to engage with the merchandise in the rack in a manner to be retained in operative position and adapted to swing to inoperative position when the merchandise is exhaused from the rack in a manner to permit said coin to engage the inclined plate and be deflected into the tray.

2. A coin controlled dispensing machine of the character described comprising a casing having a merchandise supporting rack mounted therein, a coin chute adjacent the rack, a coin receiving receptacle disposed beneath the chute to receive coins therefrom, a tray disposed in the casing out of vertical alignment with the discharge end of the chute, an inclined plate extending into the chute and adapted to direct the coin therefrom into the tray, a gravity actuated weighted arm pivotally mounted in the casing and extending into the rack for swinging movement therein, an inclined finger rigidly mounted on the arm and adapted to extend into the chute above the inclined plate for engagement with the upper end portion thereof in a manner to deflect the coin from said plate into the receptacle, said arm adapted to engage with the merchandise in the rack in a manner to be retained in operative position to project the finger into the chute and adapted to swing to inoperative position when the merchandise is exhausted from the rack in a manner to permit said coin to engage the inclined plate and be deflected into the tray.

In testimony whereof I affix my signature.

his
JOSEPH × KAPPELLY.
mark