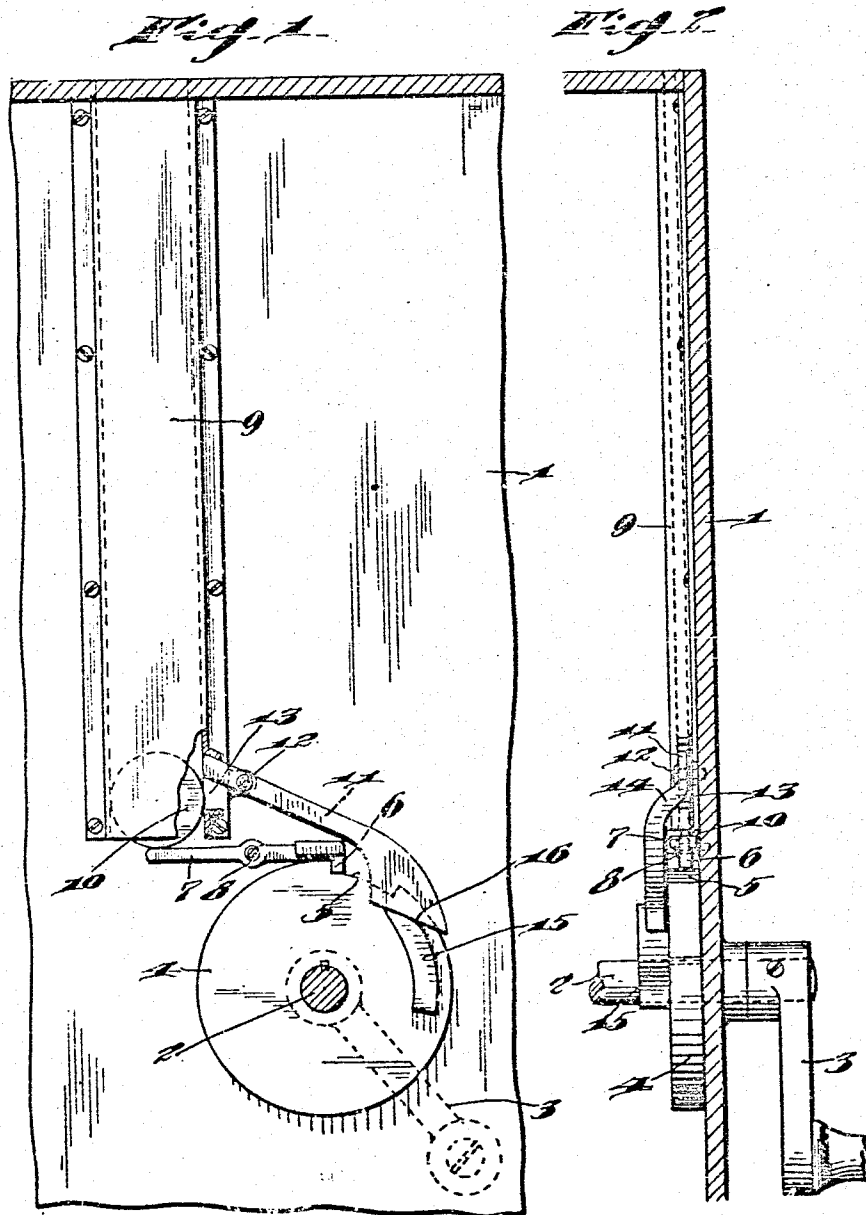


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 COIN CONTROLLED MECHANISM FOR VENDING MACHINES.
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Witnesses

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UNITED STATES PATENT OFFICE.

BENJAMIN WORTHINGTON, OF MOZART, PENNSYLVANIA.

COIN-CONTROLLED MECHANISM FOR VENDING-MACHINES.

1,010,838.

Specification of Letters Patent.

Patented Dec. 5, 1911.

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To all whom it may concern:

Be it known that I, BENJAMIN WORTHINGTON, a citizen of the United States, residing at Mozart, in the county of Bucks and State of Pennsylvania, have invented certain new and useful Improvements in Coin-Controlled Mechanism for Vending-Machines, of which the following is a specification.

My invention relates to improvements in coin controlled mechanism for vending machines, the object of the invention being to provide improved means whereby the proper coin or check operates as a coupling between cooperating parts to permit the operation of the shaft, which controls the vending mechanism.

A further object is to provide improvements of this character of extremely inexpensive construction, strong and durable in use.

With these and other objects in view, the invention consists in certain novel features of construction, and combinations and arrangements of parts, as will be more fully hereinafter described and pointed out in the claims.

In the accompanying drawings: Figure 1, is a fragmentary view partly in section and partly in elevation illustrating my improvements, and Fig. 2, is a view at right angles to Fig. 1.

1, represents a casing which is adapted to inclose the vending machine and the coin controlled mechanism, and through which a shaft 2 projects, and is adapted to control the vending mechanism (not shown). This shaft is provided on its outer end with a crank arm 3 to turn the same when permitted by my improved controlling mechanism, which will now be described.

On the shaft 2, a disk 4 is fixed inside of the casing 1, and is provided in its periphery with a recess 5 into which the hooked and weighted end 6 of a locking lever 7 normally projects, and prevents rotary movement of the disk and the shaft. This lever 7 is fulcrumed between its ends as shown at 8, and at one end projects below a coin chute 9 in the path of a coin illustrated at 10. In other words, the coin 10 when inserted in the chute 9, will find its way to the bottom of the chute, and will rest upon the lever 7. A second lever 11, which I term the "operating lever" is fulcrumed

near one end in a bracket 12 secured to the side of the coin chute 9, and the shorter end of this lever 11 projects through an opening 13 in the edge of the coin chute, and the movement of the lever is limited by the end walls of this opening 13. The longer end of the operating lever 11 is heavier, and is off-set or bent, as shown at 14 to position the free end of said lever against the outer face of a curved segment 15 on the side face of disk 4. This segment 15 is adapted to engage an elongated face 16 on the lever, so as to move said lever and hold it for a pre-determined length of time, and segment 15 also serves the additional function of a weight to assist the disk and the cooperating mechanism to remain normally in the position shown in Fig. 1.

The operation is as follows: When the proper coin 10 is dropped down the chute 9, it will rest upon the end of locking lever 7. Crank arm 3 is then operated to turn shaft 2. When shaft 2 turns, operating lever 11 will be swung on its fulcrum by means of the segment 15. The shorter end of lever 11 will then engage the coin 10, and force the coin downwardly. This movement of the coin will elevate the hooked end 6 of lever 7 out of recess 5, and will hold it out of this recess long enough for the recess to pass the hooked end of the lever, when the shaft 2 is permitted a complete revolution. At the same time, the coin 10 falls out of the chute into a suitable receptacle (not shown) provided for its reception, and lever 11 moves back as far as the end wall of slot 13 will permit. When the disk is turned far enough for the recess 5 to again register with the hooked end 6 of lever 7, said hooked end will fall into the recess and the parts will be locked as before.

In connection with my improvements, various forms of fraud preventatives may be employed, but for purposes of clearness, such mechanism has been omitted in this case.

Various slight changes might be made in the general form and arrangement of parts described without departing from my invention, and hence I do not limit myself to the precise details set forth, but consider myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of the appended claims.

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

1. A coin controlled mechanism comprising a shaft, a disk on the shaft having a recess, a coin chute, two levers fulcrumed between their ends, one lever projecting through the side of the coin chute, and the other positioned across the end of the coin chute, said levers adapted to be coupled by a coin in the chute, a lug on said lever which extends across the end of the chute positioned in said recess, and a cam on said disk engaging the other of said levers, whereby the movement of said disk when a coin is between the levers serves to move said levers to release the disk, substantially as described.

2. A coin controlled mechanism comprising a shaft, a disk on the shaft having a recess in its periphery, a coin chute, two

levers fulcrumed between their ends, one lever projecting through the side of the coin chute, and the other positioned across the end of the coin chute, said levers adapted to be coupled by a coin in the shaft, a lug on said lever which extends across the end of the shaft positioned in said recess, the other of said levers having an enlarged end, and a cam on the side face of said disk engaging said enlarged end, whereby when said disk is turned and a coin couples the levers, both levers will be moved to release the disk, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

BENJAMIN WORTHINGTON.

Witnesses:

CHAS. E. POTTS,
R. H. KRENKEL.