

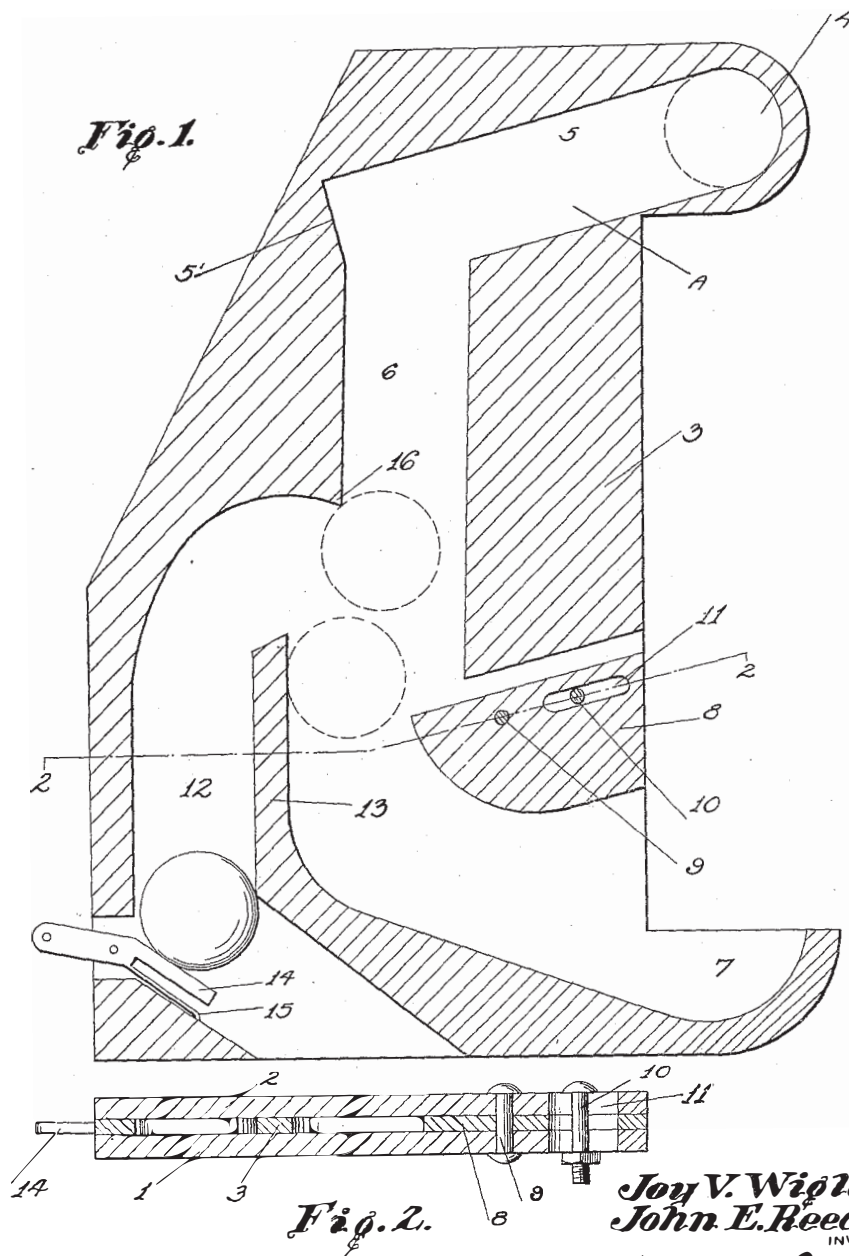
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COIN SELECTING DEVICE

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WITNESS:

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COIN-SELECTING DEVICE

Application filed June 14, 1929 Serial No. 370,875.

This invention relates to coin selecting devices for coin operated machines, the general object of the invention being to provide a slot which extends from the point where the coin is inserted to a tray arranged below the point of insertion, with a branch slot which is in communication with the first slot intermediate its ends and which acts to lead the coin to the latch member, with an anvil in the main slot so constructed and arranged that a coin of the proper denomination will, upon striking the anvil, bounce upwardly into the branch slot, while counterfeit coins, slugs or the like, striking the anvil, will either bounce too far or not far enough to enter the branch slot, thus rendering it impossible to operate the machine unless a coin of the proper denomination and containing the requisite amount of metals is placed in the inlet of the slot, the rejected coins dropping into the tray.

Another object of the invention is to make the anvil adjustable.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawing and specifically pointed out in the appended claim.

In describing the invention in detail, reference will be had to the accompanying drawing wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is a vertical sectional view through the device.

Figure 2 is a section on line 2—2 of Figure 1.

As shown in these views, the slot A is formed of two plates 1 and 2, with a spacer plate 3 between them, the three plates being suitably connected together. The slot is provided with an inlet opening 4 and with an inclined upper portion 5 and a vertical depending portion 6. This vertical portion 6 extends into a tray forming part 7 and an adjustable anvil 8 has its inner end extending into the part 6. This anvil is pivotally supported by means of a pin 9 and a bolt 10

passes through a slot 11 in the anvil so that the anvil can be adjusted. A branch slot 12 has its upper end opening into the part 6 above the anvil. The wall 13, which separates the branch from the lower portion of part 6, is offset from the upper portion of the part 6 and this branch 12 leads the coin to a latch device 14 provided with a spring 15, this latch device controlling the operation of the machine in the ordinary or any desired manner. The upper wall of the branch 12, where it merges into the part 6, forms a ridge or point 16.

Thus a coin introduced into the slot through the opening 4 will roll down the part 5 into the part 6 and as it drops through the part 6, it will strike the anvil 8 and if the coin is a United States coin of proper denomination, it will be given an upward movement or bounce by the anvil which will cause the coin to pass into the branch slot 12 and as the coin drops through the branch slot, it will strike the latch device and thus move the same to releasing position. Then when the device is operated, the latch is lowered against the action of its spring 15 so that the coin will be released and it will pass down the lower part of the branch slot 12 into a drawer or other container. If the coin dropped into the slot is a counterfeit one or a slug or is not of the proper denomination, then the bounce given the coin by the anvil will either be too great to cause it to pass into the branch line 12 so that it will strike the part 16, which will cause it to drop into the tray part 7, or the bounce will be so small that the coin will not rise above the partition wall 13 and will then drop back into the part 7. The rear wall of the part 5 is slightly inclined, as shown at 5', so that if a coin is flipped or thrown into the slot with considerable force, the coin will strike this wall and rebound back into the part 5 and then roll down the same with the same speed that a coin would that was simply placed in the opening 4.

It is thought from the foregoing description that the advantages and novel features of the invention will be readily apparent.

It is to be understood that changes may

be made in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claim.

What we claim is:—

A device of the character set forth including spaced side members detachably connected, an intermediate member secured between the side members and having entrance, main and branch slots closed at the sides thereof by the side members to form coin passages having communication, said entrance slot inclining downwardly from one edge of the intermediate member and communicating with the upper end of the main slot to direct coins therein and having the rear wall inclined upwardly and rearwardly to retard the coins and prevent them from entering the main slot with too great a force, said branch slot extending parallel with the main slot and having the upper portion thereof curved and communicating with the main slot intermediate the ends thereof and forming an abutment overlying the lower portion of the main slot, and an adjustable anvil extending into the main slot below the entrance of the branch slot and the abutment to cause proper coins passing downwardly in the main slot to bounce into the branch slot and improper coins to strike the abutment and be directed downwardly past the anvil into the lower portion of the main slot.

In testimony whereof we affix our signatures.

JOY V. WIGLE.
JOHN E. REECE.

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