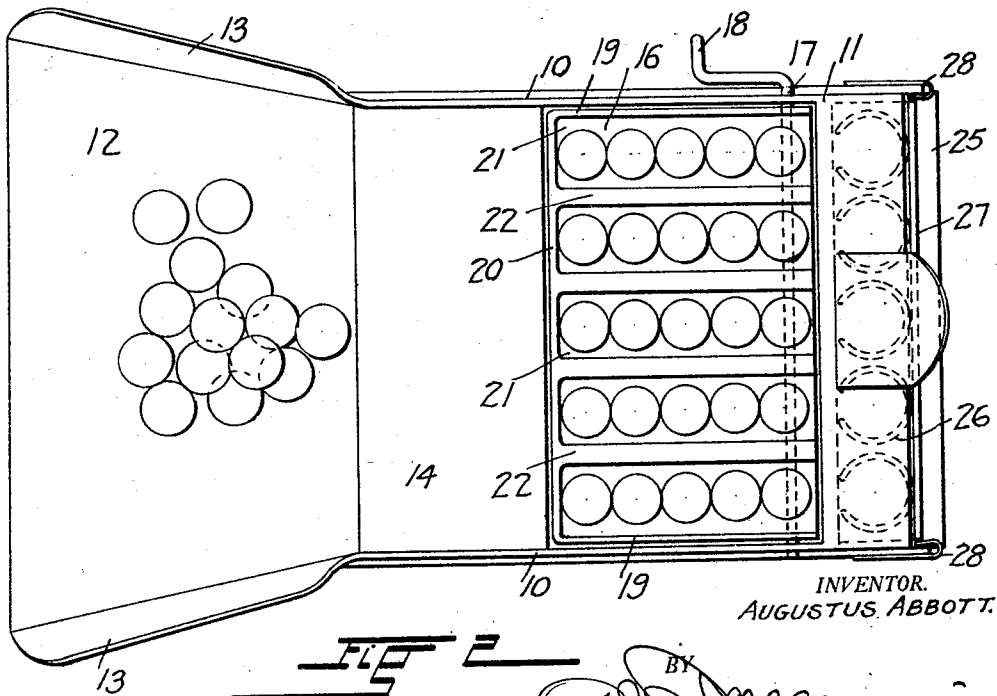
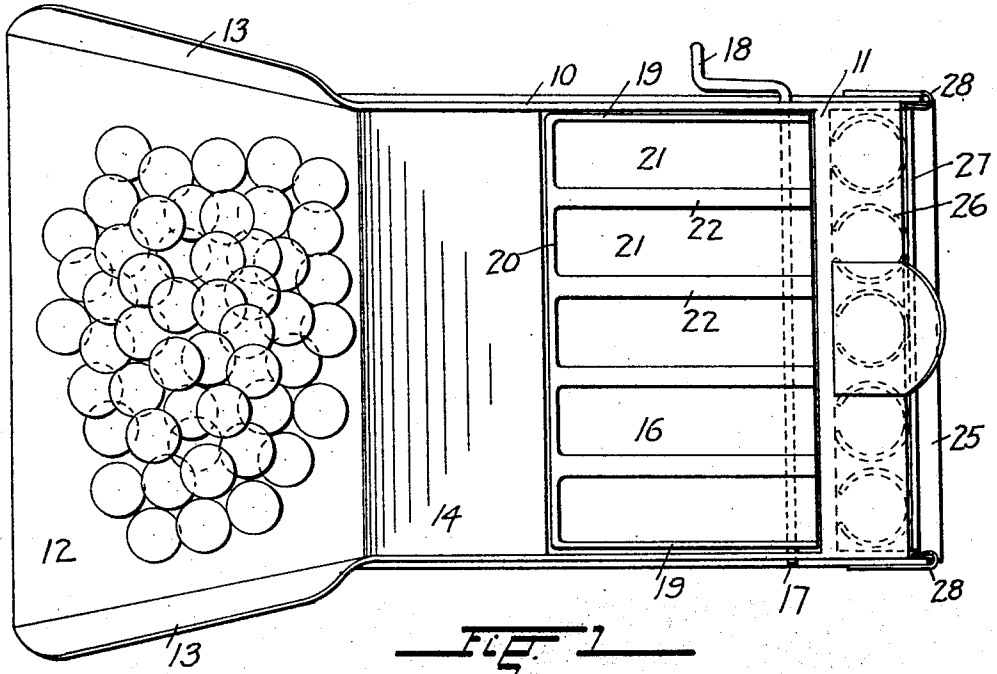


A. ABBOTT.  
COIN COUNTING AND WRAPPING DEVICE.  
APPLICATION FILED SEPT. 18, 1919.

1,406,958.

Patented Feb. 21, 1922.

2 SHEETS—SHEET 1.



INVENTOR.  
AUGUSTUS ABBOTT.

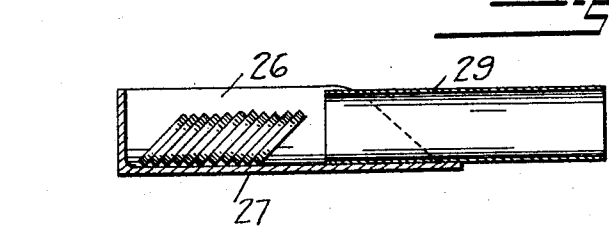
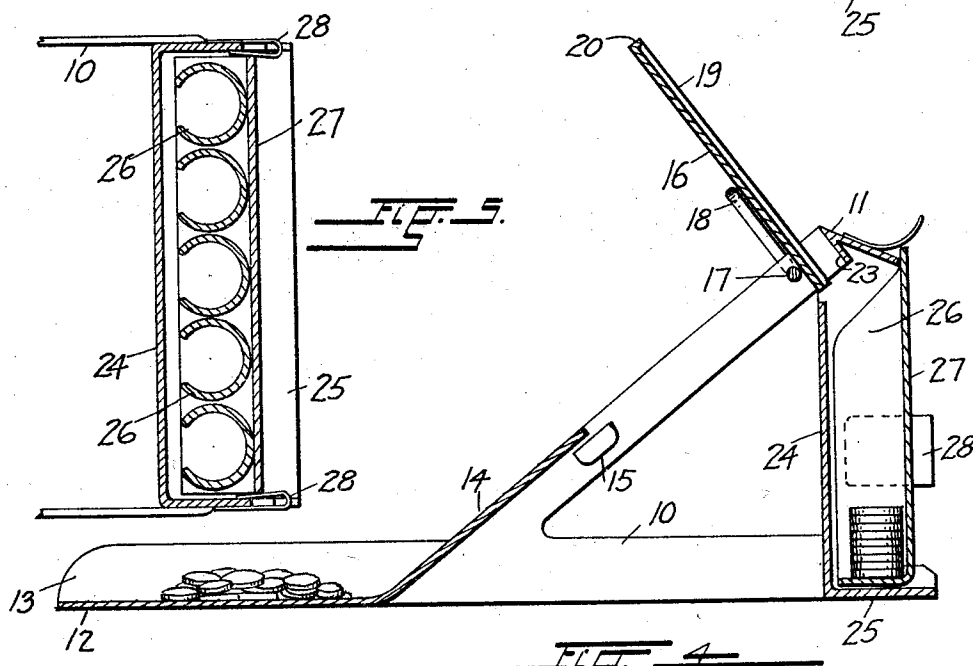
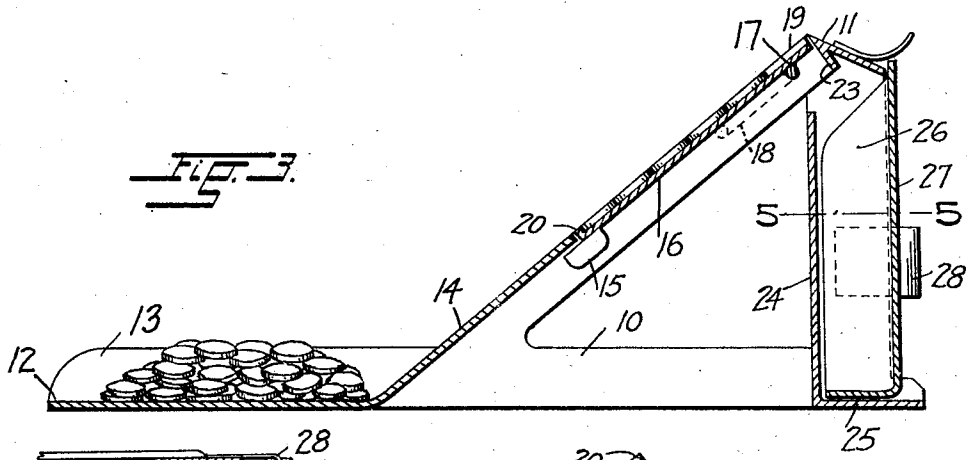
BY  
*[Signature]*  
ATTORNEY.

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2 SHEETS—SHEET 2.



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# UNITED STATES PATENT OFFICE.

AUGUSTUS ABBOTT, OF DENVER, COLORADO, ASSIGNOR, BY MESNE ASSIGNMENTS, TO THE UNIVERSAL DEVICE COMPANY, OF DENVER, COLORADO, A CORPORATION OF COLORADO.

## COIN COUNTING AND WRAPPING DEVICE.

1,406,958.

Specification of Letters Patent. Patented Feb. 21, 1922.

Application filed September 18, 1919. Serial No. 324,538.

*To all whom it may concern:*

Be it known that I, AUGUSTUS ABBOTT, a citizen of the United States, residing at Denver, in the county of Denver and State of Colorado, have invented certain new and useful Improvements in Coin Counting and Wrapping Devices, of which the following is a specification.

The present invention relates to a device for counting and wrapping coins, and has for an object to provide a device of this character by means of which coins may be accurately counted and divided into groups and subsequently maintained in the groups for separate packaging.

Another object of the invention is to provide a coin counting device wherein a number of different groups of coins may be stacked or assembled and may be independently wrapped in groups without exercising skill or material labor in the handling of the device.

The above and various other objects and advantages of this invention will be in part described in, and in part understood from, the following detailed description of the present preferred embodiment, the same being illustrated in the accompanying drawings, wherein,

Fig. 1 is a top plan view of a device constructed according to the present invention.

Fig. 2 is a similar view illustrating coins deposited therein and grouped.

Fig. 3 is a longitudinal vertical section through the device with the coins therein arranged as shown in Fig. 2.

Fig. 4 is a similar view disclosing the device in position for stacking the coins in their separate groups and showing the coins stacked.

Fig. 5 is a horizontal enlarged section taken through the coin holders on the line 5-5 of Fig. 3.

Fig. 6 is a sectional view in detail of the coin stacker removed from the device and showing a coin wrapper applied thereto for receiving the coins.

Referring to the drawings, wherein like parts are designated by similar numerals of reference throughout the several views, 10 designates a frame which may be of any suitable construction and which is shown in

the present instance as comprising a pair of side plates substantially triangular in form and being of open construction for the purpose of lightness of weight, and being joined at their upper portions at the rear end of the frame by a cross-piece 11 forming a top or cover.

Projecting forwardly from the frame is a pan or tray 12 adapted to receive a pile of coins which may be deposited thereon in any suitable manner as shown in Figs. 2, 3 and 4. The pan 12 comprises preferably a metallic plate having its lateral edges inclined upwardly to form flanges or sides 13 to maintain the coins within the pan. The pan 12 has at its inner end an extension forming a slideway 14 which is inclined upwardly and rearwardly and secured between the side-pieces of the frame 10. The upper end of the slideway 14 rests upon a support 15 in the form of a bar secured across the frame and constituting a rest for a pivoted coin holder 16 which is mounted at one end on a shaft 17 having its ends pivoted in the upper part of the frame. The shaft 17 is arranged horizontally in the frame and has one end projecting beyond the side of the frame and provided with a handle 18 to facilitate the swinging of the coin holder 16.

The coin holder 16 is in the form of a tray having lateral walls 19 and free end walls 20, the tray being divided longitudinally into a number of separate compartments 21 by partitions 22 for receiving predetermined numbers of coins and grouping the same separately. The walls 20 of the compartments 21 are of a height such that they lie flush with the upper surface of the slideway 14 when the coin holder engages the rest 15.

The coins are adapted to be slid upwardly over the slideway and into the compartments 21 of the holder, the frame 10 having a stop shoulder 23 inclining downwardly from the top 11 and in position to lie closely adjacent the upper open end of the coin holder to limit the number of coins which may be deposited in the compartments 21 and to prevent the escape of the coins over the top of the holder.

The frame 10 is provided with a housing or recess at its rear end formed beneath the

cover 11 by a back plate 24 and a bottom plate 25, the plates 24 and 25 being secured between the side-pieces of the frame 10.

Removably fitted in the housing is a plurality of coin stackers 26 in the form of substantially semi-cylindrical members of sheet metal or the like secured to a common holder or plate 27, which detachably engages between the side-pieces of the frame 10 and which is yieldably held in position by spring clips 28. The stackers 26 have beveled upper ends inclining downwardly and forwardly to provide receiving mouths opening toward the upper pivoted end of the coin holder 16.

In use, a number of coins are dumped or piled upon the tray 12 and the operator then either picks up or slides the coins upwardly over the slideway 14 and deposits the coins in the holder 16. When the coins are slid upwardly over the slideway 14, they pass over the upper edges of the walls 20 and drop into the compartments 21 of the holder. The compartments 21 are of a depth equal substantially to that of the thickness of the coins to be deposited therein so that coins which do not find place in the compartments will slide downwardly into the pan or tray 12 when released by the fingers. The compartments are also of predetermined width and length to accommodate a predetermined number of coins of a predetermined denomination.

When the holder 16 is filled, the operator grasps the handle 18 and turns it sufficiently to elevate the lower end of the holder into a position for discharging by gravity the coins out of the compartments into their respective stackers 26. Such a position of the holder is shown in Fig. 4. The coins are shown in this figure as having dropped out of the holder, consecutively and fallen one upon the other in a stack within the semi-cylindrical member.

When the coins are thus stacked in the members 26, the plate 27 is withdrawn from the frame 10 and wrappers, such as are shown at 29 in Fig. 6 are applied over the upper open ends of the stackers 26 so that the latter may be tilted or inverted to quickly and easily transfer the stack of coins from the stackers to the wrappers 29.

By use of this device the coins are easily handled, stacked and put up in packages, each package containing a predetermined number of the coins so that an accurate account may be easily kept of the coins passing through the device.

What is claimed is:

1. In a device of the character described, a pivoted coin-holder adapted to receive a predetermined number of coins therein, and a stacker, disposed to receive coins discharged from the holder in a tilted position.
2. In a device as specified, a movable coin-holder having a plurality of compartments

adapted each to receive a definite number of coins, and a stacker having compartments in register with the compartments in the holder, to receive coins discharged therefrom in an adjusted position.

3. In a device as specified, a pivoted coin holder open at one end, a stationary stop normally closing said end, and a stacker arranged to receive coins discharged from the holder in an adjusted position.

4. In a device as specified, a coin holder adapted to receive a definite number of coins, a stacker arranged beneath the holder, and means for tilting the holder over the stacker to discharge the coins therefrom into the stacker.

5. In a device as specified, a coin-holder having a plurality of compartments adapted each to receive a definite number of coins, means for supporting the holder normally in an inclined position, said holder being closed at its lower end and open at its upper end, stackers arranged beneath the upper end of the holder in registry with the compartments in the holder, and means for swinging the lower end of the holder into a raised position whereby the coins in the holder are compelled to slide from the compartments into their respective stackers.

6. In a device as specified, a coin holder adapted to receive a definite number of coins, a stacker having a concave member, arranged beneath one end of the holder, means for detachably supporting said member, and means for tilting the holder whereby the coins therein are adapted to fall consecutively into the stacker and be stacked one upon the other therein, said member being adapted to be removed from beneath the holder for receiving a container thereover into which the stacked coins may be deposited.

7. In a device of the character described, a movable coin-holder divided into a series of compartments open at one end, a slideway for moving coins into the compartments at one of their ends, a stationary stop closing the other ends of the compartments, and a removable stacker having compartments arranged to receive the coins from respective compartments of the coin holder in a tilted position.

8. In a device of the character described, a stationary slideway, and a relatively movable holder in the face thereof, adapted to retain a predetermined number of coins moved over said face.

9. In a device of the character described, a slideway, a movable open-ended holder in the face thereof, adapted to retain a predetermined number of coins moved over said face, and a stacker disposed to receive coins discharged through an open end of the holder in a tilted position.

10. In a device of the character described,

an inclined holder adapted to retain a predetermined number of coins moved over the face thereof, and a slideway providing an approach to the lower end of the holder.

5 11. In a device of the character described, a slideway having an opening and a holder movably fitted in said opening and adapted to retain a predetermined number of coins moved over the face of the slideway.

12. In a device of the character described, 10 a pivoted coin-holder adapted to receive a definite number of coins, and a removable stacker disposed to receive coins discharged from the coin holder by tilting the same.

In testimony whereof I have affixed my 15 signature.

AUGUSTUS ABBOTT.