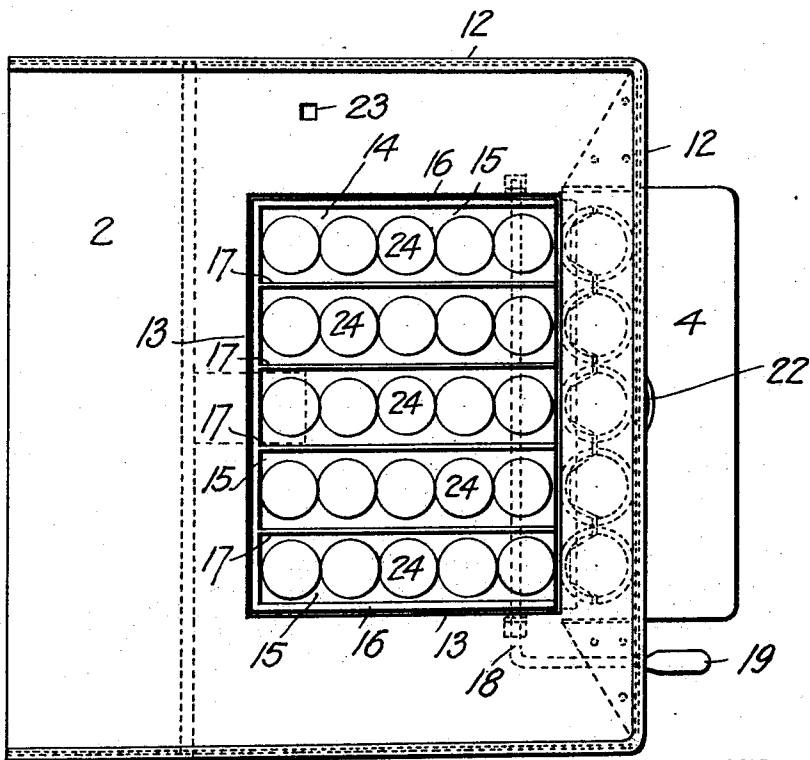
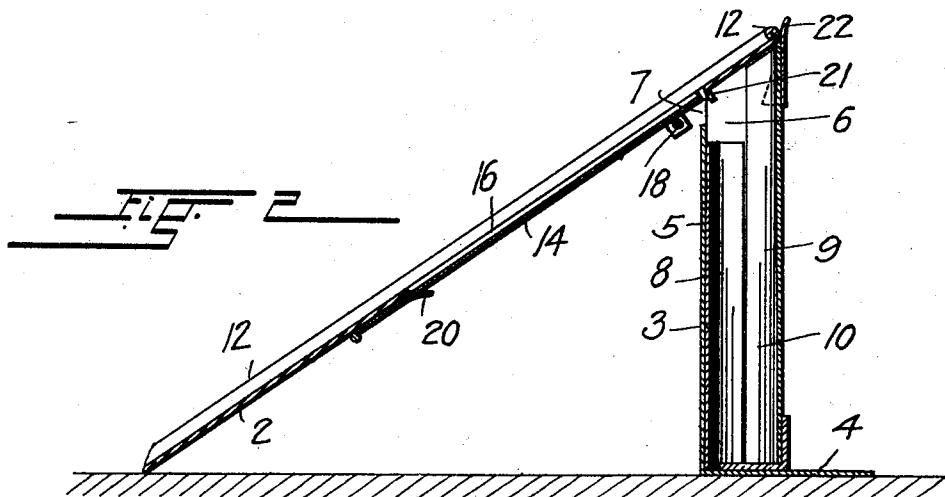


A. ABBOTT.
 COIN COUNTING AND WRAPPING DEVICE.
 APPLICATION FILED OCT. 15, 1919.

1,406,959.

Patented Feb. 21, 1922.

2 SHEETS—SHEET 1.



INVENTOR.
 AUGUSTUS ABBOTT

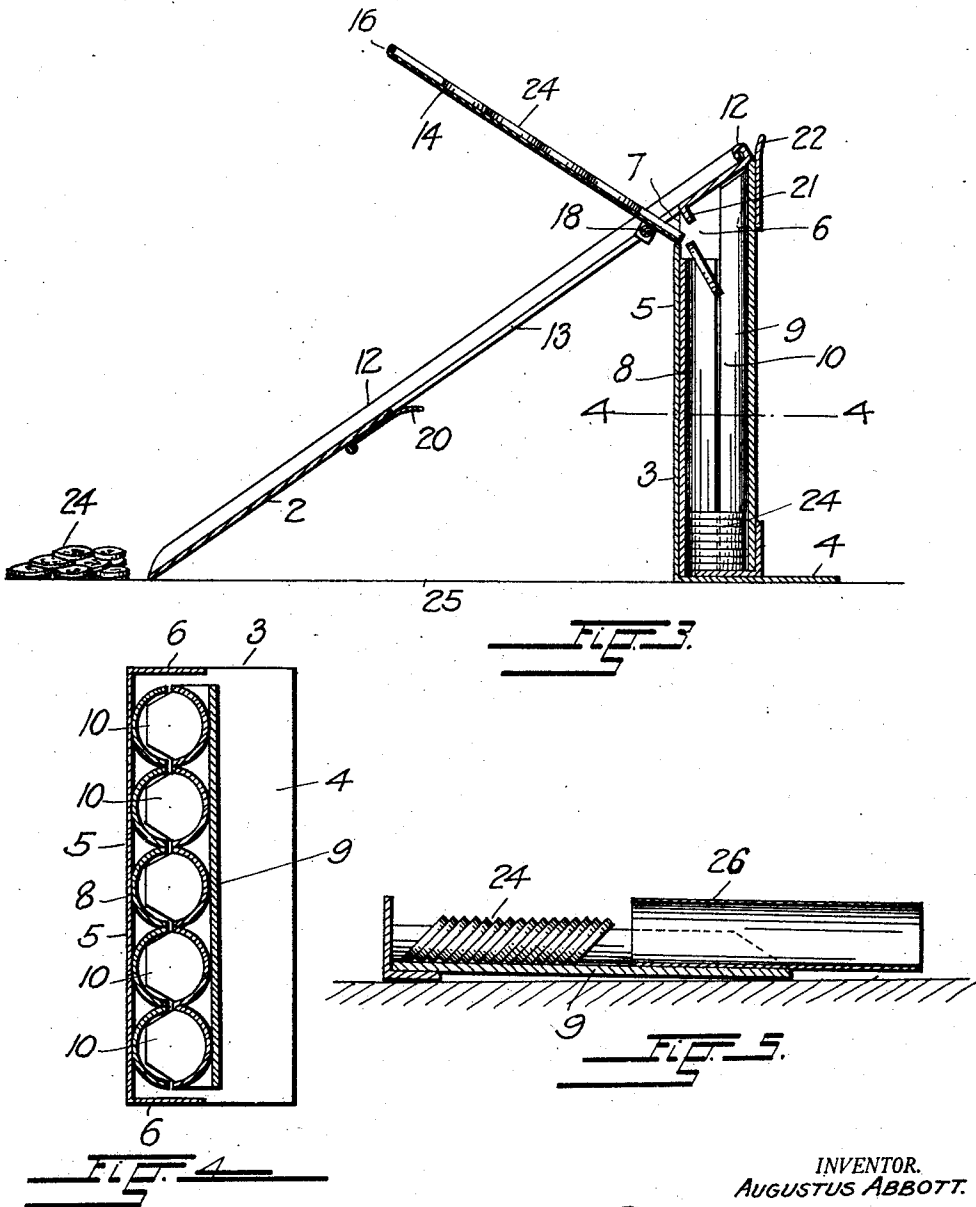
BY
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INVENTOR.
AUGUSTUS ABBOTT.

BY
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UNITED STATES PATENT OFFICE.

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

COIN COUNTING AND WRAPPING DEVICE.

1,406,959.

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

Application filed October 15, 1919. Serial No. 330,715.

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.

This invention relates to a device for counting and wrapping coins, and its primary object is to provide a device of this character by means of which coins may be quickly and accurately assembled in groups of predetermined number, and inserted into the coin wrappers commonly used to facilitate handling of coins in banks and counting houses.

Another object of the invention is to provide certain improvements in the construction and arrangement of parts of the device shown and described in my application for patent, Serial No. 324,538, filed September 18, 1919.

With the above and other objects in view, all of which will fully appear in the course of the following description, my invention consists in the construction and arrangement of parts illustrated in the accompanying drawings in the various views of which like parts are similarly designated, and in which—

Figure 1 is a plan view of a device constructed according to the present invention;

Figure 2, a longitudinal vertical section through the device;

Figure 3, a similar view showing the device in condition for stacking coins in separate groups;

Figure 4, a transverse section on the line 4—4, Figure 3, and

Figure 5, a sectional view of the movable section of the coin stacker showing a wrapper in position for receiving the coins.

Referring to the drawings, the reference character 2 designates an inclined plate supported at its upper end upon an upright housing 3. The housing comprises a base member 4, a back-member 5 and side members 6 formed integral with each other. The side members adjoin the inclined plate adjacent its upper edge and the back member is spaced from the plate to provide a passage 7 for the coins to a stacker contained in the housing.

This stacker consists of a stationary sec-

tion 8 fixed against the back-member of the housing, and a removable section 9 which normally rests upon the base member of the same, the two sections being channeled so conjointly form a series of upright wells 10 of circular section to receive the coins in stacked formation.

The inclined plate has upturned flanges 12 along its side and upper edges, and it has adjoining the housing a rectangular opening 13 which normally is occupied by a coin-holder 14.

The holder consists of a pan having raised ridges 16 along its side and bottom edges and divided longitudinally into a series of separate compartments 15 by partitions 17 for receiving predetermined quantities of coins in separated groups.

The ridges and the partitions of the coin holder lie in a plane with the upper surface of the inclined plate so that coins moved upwardly along the latter can pass without obstruction into the compartments of the pan.

The coin holder is mounted for pivotal movement about an axis adjacent and parallel to its upper edge, upon a shaft 18 supported in bearings beneath the inclined plate and provided with a handle 19 to facilitate its rotation.

A lug 20 projecting beyond the lower edge of the opening in the plate, provides a rest for the coin-holder in its normal position and a downwardly turned shoulder 21 at the upper edge of the opening provides a stop for the coins moved into the compartments of the pan.

The stationary member 8 of the coin-stacker terminates below the entrance formed by the space 7 between the back plate of the housing and the lower surface of the inclined plate, and the removable member 9 extends beyond the other, contiguous to the plate.

The last-mentioned member has an upwardly projecting lip 22 which determines its proper position by engagement with the upper edge of the inclined plate and which furthermore provides a finger-hold to facilitate its removal.

The handle of the shaft 18 of the coin holder extends below and beyond the upper edge of the inclined plate at the right-hand side of the device so that the hand of the operator which holds the removable mem-

ber of the stacker in place can turn the shaft without releasing its hold on the stacker.

An opening 23 in the plate provides means for the installation of a counting device in case it is desired to count the number of times the coin holder is mounted to its dumping position, and thereby calculate the number of coins handled during a given period.

In the operation of the invention, the coins 24 deposited on a surface 25 upon which the device is supported, are slid upwardly over the lower portion of the inclined plate into the compartments of the holder, the uppermost coins engaging the shoulder 21 at the upper edge of the opening occupied by the pan 14.

The depth of the compartments does not exceed the thickness of the coins so that after each compartment is filled it will contain a single group of coins of predetermined number, while the excess coins slide downwardly to the foot of the inclined plate at which the pile of coins to be counted is deposited.

When the holder is filled, the operator who holds the removable member of the stacker in place with one hand while with the other he manipulates the coins, turns the holder about its pivot by pressure on the handle and dumps the coins from the compartments of the holder into the cylindrical wells of the stacker with which they register.

This operation is repeated until the wells of the stacker contain the desired number of coins, when the removable member is withdrawn from the machine and wrappers such as are shown at 26 in Figure 5, are applied over the open ends of the concave channels of the section, which form the wells of the stacker in conjunction with corresponding parts of the stationary member.

The stacked-up coins in the troughs are transferred to the wrappers by hand, and the wrappers are closed at their ends in the usual manner.

By the use of my invention, coins piled at the foot of the slide-way are quickly and accurately arranged in stacks of predetermined numbers and put in packages, and it will be seen that the device as shown and described does not require an exact fit of the coins in the compartment, of the holder and the stacker, so that coins of different di-

mensions, such as pennies, dimes and nickels may be counted, stacked and wrapped in one and the same machine.

What I claim and desire to secure by Letters-Patent is:

1. A device of the character described comprising an inclined surface having an opening; a pivoted coin-holder occupying said opening and adapted to receive a predetermined number of coins, a stacker having a passage adjoining the upper edge of the opening to receive coins discharged from the holder in a tilted position, and a handle for tilting the holder, projecting above the upper edge of the surface.

2. In a device of the character described, an inclined surface having an opening, a pivoted coin holder occupying said opening and adapted to receive a predetermined number of coins, and a stacker having a passage adjoining the upper edge of the opening to receive coins discharged from the holder in a tilted position.

3. In a device of the character described, a coin-stacker composed of concave sections conjointly forming an upright tubular container, one of said sections being removable from the other and having a bottom piece for the support of coins.

4. In a device of the character described, a coin-stacker composed of channeled sections conjointly forming a plurality of upright tubular compartments, one of said sections being removable from the other and having a bottom piece for the support of coins entered in the compartments.

5. In a device of the character described, an inclined slideway having an opening relatively proportioned to leave a surrounding marginal surface, and a pivoted coin-holder occupying said opening, and adapted to retain a predetermined number of coins moved over said surface.

6. In a device of the character described, an inclined surface having an opening and a movable coin-holder occupying said opening and having divisional ridges in a plane with the surface, to provide a plurality of coin compartments adapted to retain predetermined numbers of coins moved over the same.

In testimony whereof I have affixed my signature.

AUGUSTUS ABBOTT.