P. E. BISLAND.

PACKAGING COINS.

APPLICATION FILED AUG. 9, 1915.

1,171,409.

Patented Feb. 15, 1916.

Fig. 1.

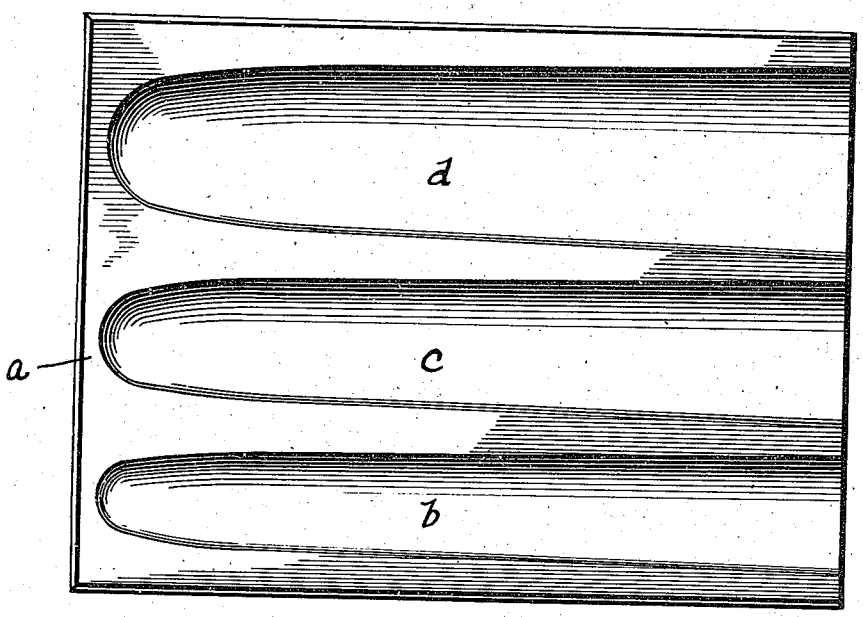


Fig. 2.

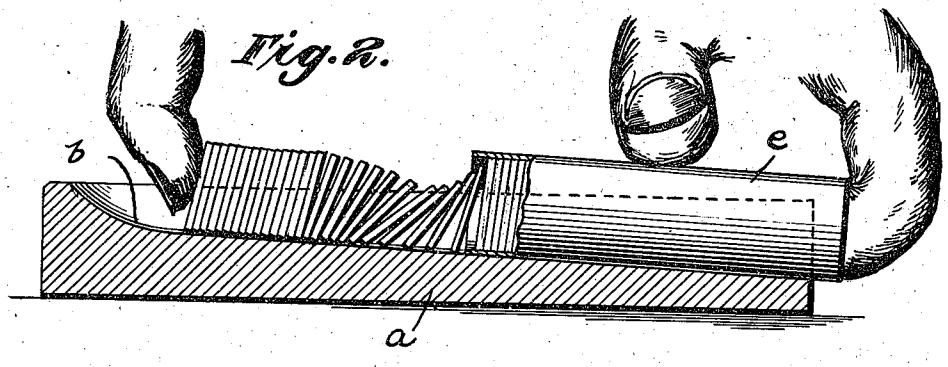
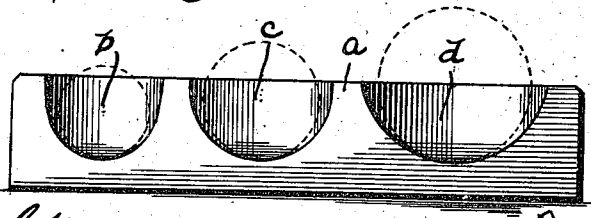


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

PRESSLEY E. BISLAND, OF BRONXVILLE, NEW YORK, ASSIGNOR TO ABBOTT COIN COUNTER COMPANY, OF NEW YORK, N. Y., A CORPORATION OF DELAWARE.

PACKAGING COINS.

1,171,409. Specification of Letters Patent. Patented Feb. 15, 1916.

Application filed August 9, 1915. Serial No. 44,559.

To all whom it may concern:

Be it known that I, PRESSLEY E. BISLAND, citizen of the United States, residing at Bronxville, in the county of Westchester and State of New York, have invented certain new and useful Improvements in Packaging Coins; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to means for packaging coins in tubular flexible containers, whereby coins of any denomination may be quickly and easily packed in tubular casings of fibrous material.

In packaging coins heretofore, the general practice has been to count a required number of coins into the hand of the operator and by juggling the coins in the hand, assemble them into a rouleau, and then transfer the rouleau from the hand to a flat coin wrapper, all of which is a slow and tedious operation. Moreover it frequently happens that in transferring the rouleau from the hand to the wrapper, the column of coins buckles, thereby necessitating a re-assembling of the coins in the hand. Again by the old method of packaging, it often happens that when the column of coins buckles, the coins fall from the hand, thus necessitating not only a re-assembling but a re-counting.

The object of my invention is to avoid these objections and also to facilitate the insertion of a column of coins into a previously prepared tubular wrapper, and to make the operation of packaging so obvious and simple that the most inexperienced person may, without difficulty, package coins of any denomination.

To this end my invention comprises a packaging tray, provided preferably with a plurality of longitudinally extending grooves, adapted to receive a rouleau of coins in such a manner as to cause the coins to automatically slant forward, the slant of said coins increasing toward one end of the groove, the said coins being supported in the grooves at points below their centers.

In order that my invention may be clearly understood I have illustrated it in the accompanying drawing, and described it in the following specification and claims.

In the drawings, Figure 1 is a top plan view of my improved coin packaging tray. Fig. 2 is a longitudinal sectional view of the same in use in connection with a tubular wrapper. Fig. 3 is an end view of the tray looking from its forward extremity.

In the drawing *a* represents my improved coin packaging tray which may be made of wood, glass, metal or any suitable material. *b*, *c*, *d* are longitudinal grooves extending preferably from end to end of the tray, and are of different widths as shown, to accommodate coins of different denominations. For example, the groove *b* will receive pennies and dimes, the groove *c*, nickels and quarters and the groove *d*, half dollars and dollars. These grooves are made wider than the coins they are to receive and are shallower and narrower at one end, and deeper and wider at their opposite end, and are inclined preferably from end to end, the angle of inclination being greater at their shallower portions. By this construction it is obvious that the coins will be supported at points below their centers only and when a column of coins is placed in a groove, they will automatically slant forward, the slant of the coins being greater at that portion of the groove which is deeper and wider, thus very much facilitating the insertion of the entire column of coins into a prepared tubular wrapper *e*. It will also be obvious that by having one end of the groove shallow and narrower, the column of coins will, at that point, assume a more nearly vertical position, and may be readily engaged by the finger of the operator to sweep the column into the tubular wrapper.

The operation of my device is as follows: A convenient number of coins of any denomination, which may be quickly assembled into the rouleau, is counted and placed in its appropriate groove, when the coins will automatically assume a forward slant as shown in Fig. 2. A tubular flexible coin wrapper *e*, is then addressed to the forward end of the inclined column, and the column pushed forward from the rear and along the top edge, so as to maintain the angular delivery of the coins into the wrapper, whereby the wrapper is quickly filled. After the wrapper is filled the pressure of the fingers of the operator brings the coins into proper position in the wrapper and the ends are folded in the usual manner.

It may be stated that in practice, the diameter of the tubular flexible coin wrapper is only frictionally greater than that of the coins which it is intended to contain, so that the slant of the coins as they enter the wrapper, as heretofore set forth, is important to the proper functioning of the device. It may also be stated that instead of pressing the coin column into the tubular wrapper, the tray may be tipped to a required angle and the coins poured into the wrapper, which the slant of the coins makes possible.

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

1. A tray for packaging coins, comprising a block provided with a groove to receive a rouleau of coins, said groove being of such curvature in cross section as to contact with the coins at points below their center, the bottom of said groove being inclined relatively to the upper edges thereof, whereby the coins are automatically caused to slant toward the lower portion of the groove.

2. A tray for packaging coins comprising a block having a horizontally placed upper surface and provided with a groove to receive a rouleau of coins, said groove being of such curvature in cross section as to contact with the coins at points below their center, the bottom of said groove being inclined from end to end, whereby the coins are automatically caused to slant toward the lower portion of the groove.

3. A tray for packaging coins comprising a block provided with a groove to receive a rouleau of coins, said groove being of such curvature in cross section as to contact with the coins at points below their center and being wider and deeper at one extremity than at the other, whereby when the rouleau is placed therein the coins automatically fall into slanting position toward the wider and deeper portion, and the slant of the coins is increased toward said portion.

4. A tray for packaging coins comprising a block provided with a groove to receive a rouleau of coins, said groove being of such curvature in cross section, as to contact with the coins at points below their center, the bottom of said groove being inclined from end to end, the angle of inclination being sharper at the shallow portion of the groove than at the deeper portion, whereby the coins are automatically caused to slant toward the lower portion of the groove.

5. A tray for packaging coins, comprising a block provided with a groove to receive a rouleau of coins, said groove being of such curvature in cross section as to contact with the coins at points below their center, the bottom of said groove being inclined, the angle of inclination being sharper and the groove narrower at its shallow portion, whereby the coins are automatically caused to slant toward the lower portion of the groove, and the rear coins may be readily engaged by the finger of the operator.

In testimony whereof I affix my signature.

PRESSLEY E. BISLAND.