P. E. BISLAND.

COIN PACKAGING DEVICE.

APPLICATION FILED JAN. 31, 1913.

1,077,968. Patented Nov. 11, 1913.

Fig. 1.

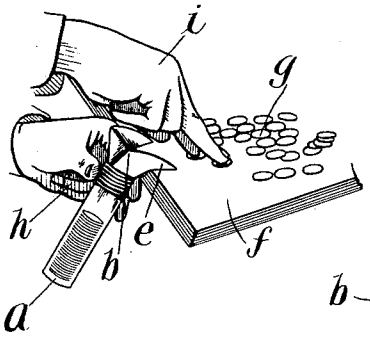


Fig. 2.

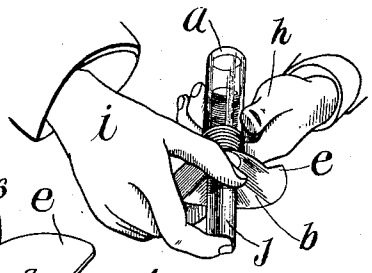


Fig. 3.

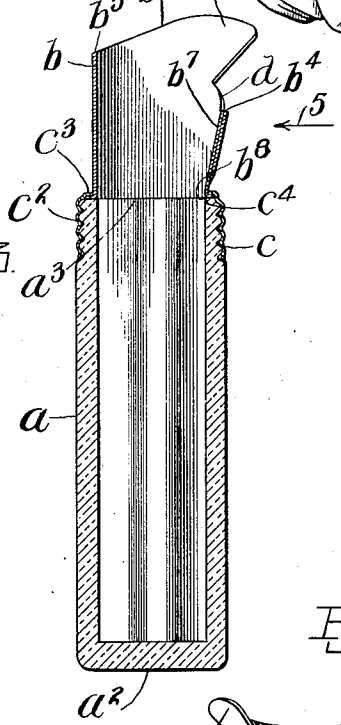


Fig. 4.

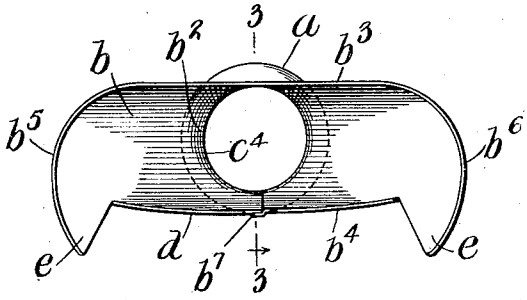
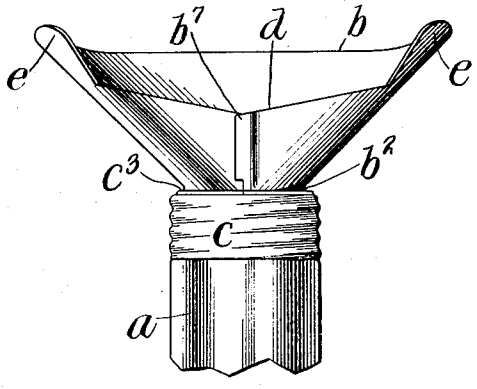


Fig. 5.



WITNESSES

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

COIN-PACKAGING DEVICE.

1,077,968. Specification of Letters Patent. Patented Nov. 11, 1913.

Application filed January 31, 1913. Serial No. 745,359.

To all whom it may concern:

Be it known that I, PRESSLEY E. BISLAND, a citizen of the United States, and residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Coin-Packaging Devices, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to devices for use in forming packages of coins, or placing coins in packages and particularly to devices of this class such as is shown and described in United States Letters Patent No. 1,025,228, granted to Augustus Abbott, May 7th, 1912, and the invention described and claimed herein is an improvement on that described and claimed in said patent, whereby the same is rendered more practical and efficient in use and whereby the packaging of coins may be effected much more rapidly and effectively than with the device described and claimed in said patent.

My invention is fully disclosed in the following specification of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which;—

Figure 1 is a perspective view showing one step in the process of using my improved coin packaging device; Fig. 2 is a similar view showing another step in said process; Fig. 3 a central vertical section of my improved coin packaging device on the line 3—3 of Fig. 4; Fig. 4 a plan view of the device; and Fig. 5 a front view looking in the direction of the arrow 5 in Fig. 5.

In the practice of my invention, as shown in the drawing, I provide a tube a closed at one end, as shown at a^2, and open at the other, as shown at a^3, and the transverse dimensions of which will depend upon the denomination of the coins to be put in packages. The tube a is preferably composed of glass and is provided with a head b having a neck portion b^2. The head b is funnel-shaped in transverse section in one direction and comprises a back side b^3 and a front side b^4 approximately parallel, and the opposite sides b^5 and b^6 thereof are segmental or approximately semi-circular in cross section.

The head b of the tube a is pressed or stamped from a sheet of sheet metal and the front side thereof is provided, in the form of construction shown, with overlapping edges b^7, and the neck b^2 thereof is provided with an outwardly directed flange b^8 with which is connected a supplemental neck c. The supplemental neck c is also composed of sheet metal and is threaded to correspond with a similar thread on the open end of the tube a, as shown at c^2, and the supplemental neck c is provided at the top thereof with an inwardly directed flange c^3 which overlaps the flange b^8 of the neck of the head b, and said flanges are secured together by solder or otherwise, and as thus formed, there is an inwardly directed annular shoulder c^4 in the top of the supplemental neck c the transverse dimensions of which are the same as the transverse dimensions of the threaded top wall of the tube a, and with this construction, the inner walls of the head b at the bottom thereof or of the neck of said head are flush and even with the inner walls of the tube a when the head is connected therewith, as shown in Fig. 3.

The front wall b^4 of the head b is cut out, as shown at d to form a transverse recess the length of which is approximately the same as the greatest transverse dimensions of the head b or of the transverse dimensions of said head taken centrally through the opposite sides b^5 and b^6 thereof, and these dimensions of the outer end portion of said head are preferably approximately four inches and the front side b^4 if extended to correspond with the edge curves of the sides b^5 and b^6 would be longer than the back side b^3 of said head b, and with this construction, the cutting out of the recess d provides forwardly and laterally directed and tangential ears e at the ends of the recess d.

In Fig. 1 I have shown at f a table or other device on which, in practice, the coins g to be packaged are placed, and in the use of my improved packaging device, it is grasped in one hand, as shown at h in Fig. 1, and the edge portion of the front side b^4 of the head b formed by the recess d is pressed against one side edge portion of the table in such manner that the ears e overlap the top of the table and extend laterally of the head b.

While the packaging device is held in the

position shown by one hand, the other hand *i* is manipulated to sweep the coins off the table into the head of the packaging device, and when the tube *a* of the packaging device is filled, the operation of putting the coins in paper packages is the same as that described and claimed in the patent hereinbefore referred to, and is illustrated in Fig. 2. In this operation, paper tubes *j* are provided said tubes being open at one end and closed at the other, and while the package device is held in the hand *h*, the paper tube *j* is taken in the hand *i* and the open end thereof inserted into the neck of the head *b* of the packaging device, and said packaging device is inverted and the coins in the tube *a* will pass out into the paper tube *j*, as will be readily understood, after which the open end of said package tube *j* may be closed.

In the patent hereinbefore referred to, the head of the tube *a* is made from the material of said tube, but experience has shown that with this construction, it is impossible to make the head of the said tube, large enough to permit of the desired manipulation and operation of the device, and in the operation of sweeping the coins into the tube, as described in said patent, many of said coins would miss the open end of the tube and this would cause great delay and inconvenience. Experience has also shown that these defects can only be remedied by forming the head of separate material, and attaching it to the tube, as shown and described herein, whereby the head can be made of the desired dimensions, and with the parts of the device made as herein shown and described, the coins may be much more rapidly swept into the packaging device and the entire operation of packaging the coins is much more expeditiously performed. It is also necessary to connect the head *b* with the tube *a* so that the inner walls of the head at the neck thereof and the inner walls of the tube will be perfectly flush, smooth and even, and the method herein shown and described for forming and connecting the separate parts has been demonstrated to be the best one by which the desired results can be accomplished.

While the transverse dimensions of the head *b* in one direction are only about the same as the outer diameter of the tube *a*, the greatest transverse dimensions of said head in the opposite direction are more than three times the diameter of said tube, and these comparative dimensions are the chief features of my improvement as it is by means thereof that the packaging device can be successfully and expeditiously operated, but my invention is not limited to the exact dimensions of the head *b* herein given.

Although I have described the tube *a* as made of glass, it will be apparent that the same may be made of other earthenware, and metal also may possibly be employed, if desired.

Having fully described my invention what I claim as new and desire to secure by Letters Patent is;—

1. A device of the class described comprising a tube closed at one end and open at the other, said tube being provided with a head comprising front, and back walls and opposite side walls, the front and back walls being approximately parallel and the other opposite side walls being funnel-shaped in form, said head being provided with a neck, and a supplemental neck secured thereto and to the open end of said tube, and the front side of said head being cut out transversely thereof to form a transverse recess at the opposite ends of which are projecting ears.

2. A device of the class described comprising a tube closed at one end and open at the other and provided with a head which is funnel-shaped in form in transverse section in one direction and the greatest diameter of which is much greater than the diameter of said tube, said head being provided with a neck to which is secured a supplemental neck which is secured to the open end of said tube, one side of said head being cut out transversely to form a transverse recess at the opposite ends of which are outwardly directed ears.

In testimony that I claim the foregoing as my invention I have signed my name in presence of the subscribing witnesses this 30th day of January 1913.

PRESSLEY E. BISLAND.

Witnesses:
C. MULREANY,
S. ANDREWS.