March 8, 1932. H. B. GORDON 1,848,168

COIN CONTAINER AND METHOD OF MAKING THE SAME

Filed Oct. 10, 1928

Fig. 1.

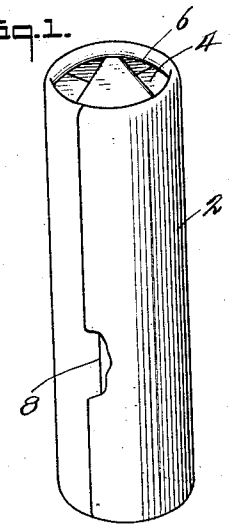


Fig. 2.

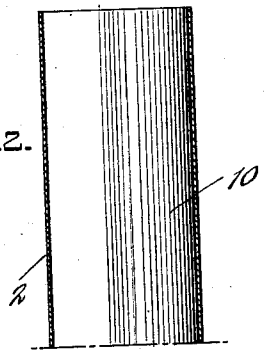


Fig. 3.

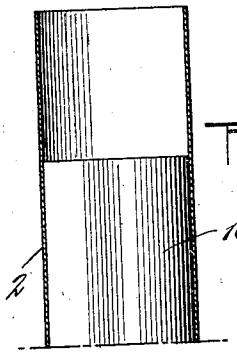


Fig. 4.

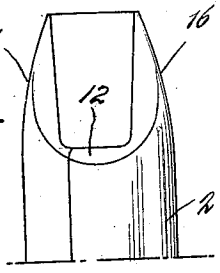


Fig. 5.

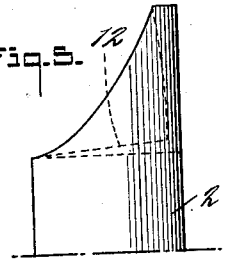


Fig. 6.

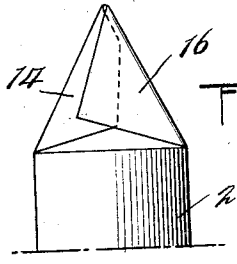


Fig. 7.

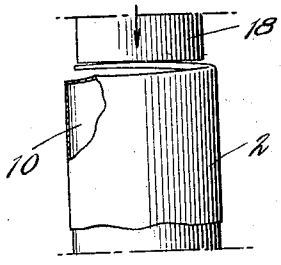


Fig. 8.

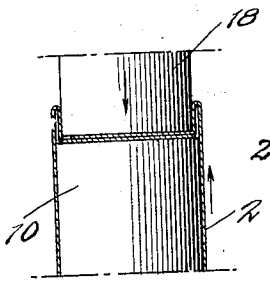


Fig. 9.

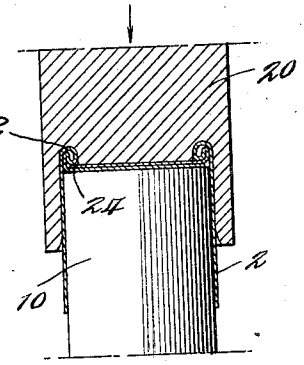
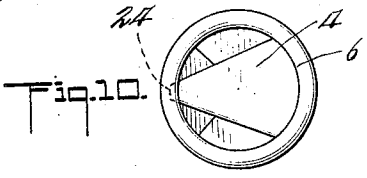


Fig. 10.



H. B. Gordon
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Patented Mar. 8, 1932 1,848,168

UNITED STATES PATENT OFFICE

HARRY B. GORDON, OF NEW YORK, N. Y., ASSIGNOR TO ABBOTT COIN COUNTER COMPANY, OF NEW YORK, N. Y., A CORPORATION OF DELAWARE

COIN CONTAINER AND METHOD OF MAKING THE SAME

Application filed October 10, 1928. Serial No. 311,460.

My invention relates to an improved coin container and method of making the same and has for its object to provide a one piece coin container having a diaphragm closing one end thereof and supported by an internal flange.

The following is a description of an embodiment of my invention, reference being had to the accompanying drawings, in which:

Figure 1 shows a perspective view of my improved coin container;

Fig. 2 shows a section of the bottom part of a cylinder from which the bottom portion of the container is formed;

Fig. 3 shows the same placed upon a mandrel, as one of the steps of my process;

Fig. 4 shows a succeeding step;

Fig. 5 is a side elevation of the same;

Fig. 6 shows two succeeding folds;

Fig. 7 shows the final fold;

Fig. 8 shows a succeeding recess forming step;

Fig. 9 shows the final crimping step;

Fig. 10 is a plan view of the completed bottom.

Referring more particularly to the drawings, 2 is the body portion of the improved container having a diaphragm 4 in the lower end thereof and an internal flange 6 supporting said diaphragm against the pressure of coins which may be placed therein. The body portion of the container is preferably single ply, the edges overlapping slightly as shown at 8 and being secured together by adhesive.

In forming the container, I first form from a suitable fairly stiff sheet of paper the cylinder 2 with its overlapping edges secured together, as shown in Fig. 1. I then locate the cylinder upon the mandrel 10 with one end projecting beyond the mandrel as in Fig. 3. I then fold one side of the projecting portion inward, as shown at 12 in Figs. 4 and 5. I then fold the adjacent parts one over the other as indicated at 14 and 15 in Fig. 6, and then fold the resulting point or flap downward as shown in Fig. 7. I then apply a second mandrel and move it so as to hold the folded portions against the first mandrel and then move the shell relatively to the two mandrels so as to form a recess as shown in Fig. 8. I then remove the mandrel 18 and by means of a suitable crimper indicated conventionally at 20, crimp the edges of the recessed portions as indicated at 22, Fig. 9, completing the operation and producing my improved container. The crimping device is of any suitable form and as is usual with crimping devices is rotated and as it rotates turns the edges of the wall of the recess inward, as indicated in Fig. 9, forming an inward flange which supports the diaphragm which has been forced toward the body portion of the container. When the flange is thus formed the container at the flange portion has several times as many plies as the body of the container. As shown, in the drawings, the body portion of the container has one ply and the container at the flange has four plies.

The portion last folded preferably extends across the bottom so that its free end lies beneath the crimped flange as shown at 24 so as to be securely held by the flange.

The container thus formed is a strong and durable container closed adjacent to one end by a diaphragm which is supported by an internal flange, all the parts being integral.

As will be evident to those skilled in the art, my invention permits various modifications without departing from the spirit thereof or the scope of the appended claim.

What I claim is:

A coin container having a cylindrical body portion, an integral diaphragm closing one end thereof and spaced away from said end and an integral internal flange within said recess supporting said diaphragm, said diaphragm comprising inwardly folded portions, the outer of which terminates at its free end beneath said flange.

In testimony whereof, I have signed my name to this specification this 9th day of October, 1928.

HARRY B. GORDON.