Dec. 28, 1943. A. B. RODE, JR 2,337,931

COIN BANK AND BLANK FOR MAKING THE SAME

Filed March 13, 1943

FIG. 1

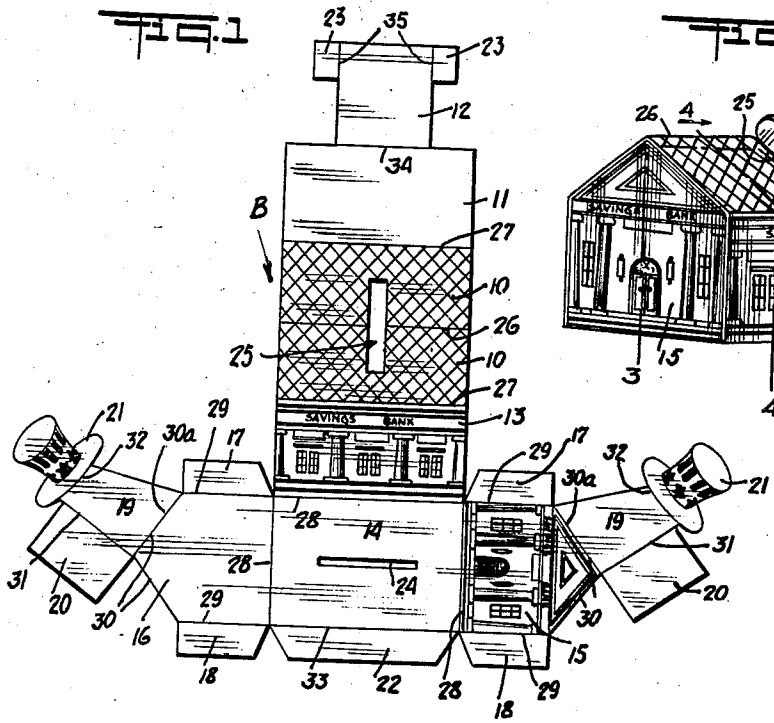


FIG. 2

FIG. 3

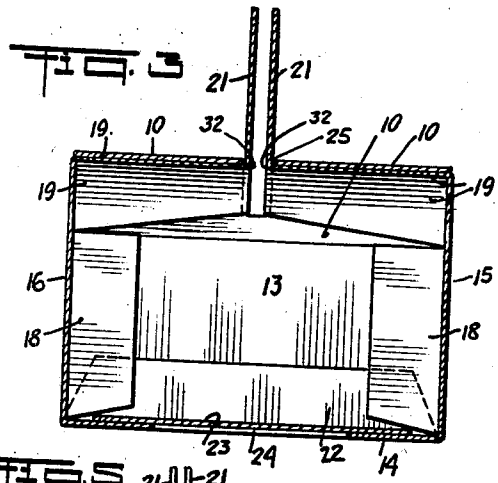


FIG. 4

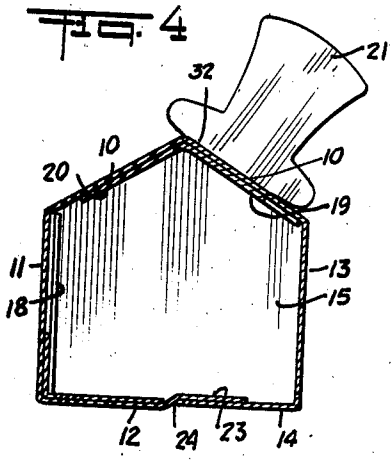
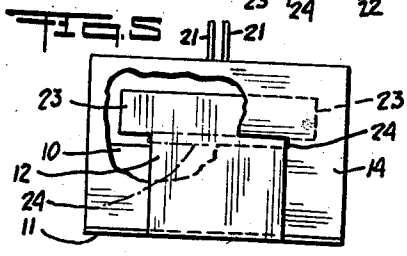


FIG. 5



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COIN BANK AND BLANK FOR MAKING THE SAME

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4 Claims. (Cl. 229—8.5)

My invention relates to a novel coin bank and to a new and improved blank for making the same.

One of the objects of my invention is to provide a novel coin bank, which can be made by cutting a single blank of paper and providing said blank with hinge lines so that the container will be very simple to manufacture and assemble.

Another object of my invention is to provide a new and improved blank which can be set up and interlocked to form a secure coin bank, no adhesive whatever being required to assemble the same.

Another object of my invention is to provide an improved container having simple locking means for efficiently and permanently locking the same, thus making the said container especially suitable for holding coins.

Another object of the invention is to provide a coin bank which can be shipped in extensible flat form and which can be readily set up.

Another object of the invention is to provide an improved coin bank having reinforced walls.

Still another object of my invention is to provide a novel container and blank for forming the same, which will substantially simulate a savings bank.

Other objects of my invention will be stated in the annexed description and drawing which illustrate a preferred embodiment thereof.

Fig. 1 is a plan view of the blank which is employed for making the coin bank.

Fig. 2 is a perspective view of the set-up container.

Fig. 3 is a section view along the line 3—3 of Fig. 2.

Fig. 4 is a sectional view along the line 4—4 of Fig. 2.

Fig. 5 is a bottom plan view showing a part of the bottom of the container broken away.

Blank B, illustrated in Fig. 1, is made of a single piece of paper, cardboard, or the like. It comprises a top wall 10, a front wall 11, a rear wall 13, a bottom wall 14, and end walls 15 and 16. Top wall 10 is divided into two equal sections by the central longitudinal hinge line 26. A vertical coin opening 25 is provided in top wall 10, the said opening being perpendicular to and bisecting hinge line 26, the upper and lower ends of said opening being equi-distant from said hinge line.

Top wall 10 is integral with the bottom longitudinal edge of front wall 11 and the top longitudinal edge of rear wall 13. Said front wall is hingedly connected to the said longitudinal edges of front wall 11 and rear wall 13 by suitable hinge lines 27. Bottom wall 14 is integral with the bottom longitudinal edge of rear wall 13 and with the longitudinal edges of end walls 15 and 16, said wall 14 being hingedly connected at the said points by suitable hinge lines 28. Front wall 11 is integral with the top longitudinal edge of top wall 10 and is hingedly connected thereto by hinge line 27. Rear wall 13 is integral with the bottom longitudinal edge of top wall 10 and is hingedly connected thereto by hinge line 27. Said rear wall 13 is also integral with the top longitudinal edge of bottom wall 14 and is hingedly connected thereto by longitudinal hinge line 28.

End walls 15 and 16 are identical and each has a median portion which is wider than the end portions thereof, the outer side edges 30 of said walls therefore being angular in shape with the apex at the median point. The said end walls 15 and 16 are provided with upper flaps 17 and lower flaps 18 which are hingedly connected to said walls by means of suitable hinge lines 29. The upper angular wall 30 of each end wall 15 and 16 is provided with a flap 19 which is hingedly connected to the said end walls by hinge lines 30*a*. It will be noted that the lower angular wall 30 of each of end walls 15 and 16 is free and has no flaps extending therefrom. Each of flaps 19 are provided with the supplemental flaps 20 and 21 and are hingedly connected thereto by suitable hinge lines 31 and 32 respectively. Flap 21 is wider at its lower portion than its upper portion and in the present embodiment is in the shape of a hat, although it may be of any desired ornamental shape. The dimension of the widest portion of flap 21 is smaller than the dimension of opening 25 in front wall 10.

Bottom wall 14 is provided with the longitudinal flap 22 at its lower longitudinal edge, the said flap being hingedly connected thereto by hinge line 33. Bottom wall 14 is also provided with the longitudinal opening 24 at substantially about its median point.

Front wall 11 is provided with an extension 12 and is hingedly connected thereto at its upper longitudinal edge by hinge line 34. The dimension of extension 12 is substantially equal to or is slightly smaller than the dimension of opening 24 in bottom wall 14. The said extension 12 is provided with the lateral ears 23 adjacent its upper edge, the said members 23 being hingedly connected to said extension by hinge lines 35.

Fold lines 26, 27, 28, 29, 30*a*, 31, 32, 33, 34 and

35 can be formed by indenting or scoring blank B along the said lines.

In order to set up the container from blank B, flaps 17 and 18, flaps 19 and flap 22 are bent upwardly along hinge lines 29, 30a and 33 respectively. Flaps 21 are then bent outwardly along lines 32 until they are at right angles to flaps 19. End walls 15 and 16 are then bent inwardly along lines 28 until the inner faces of flaps 21 abut each other. In this position, flaps 20 are then bent downwardly along hinge lines 31, until the outer side edges thereof abut and rest upon free edge 30 of end walls 15 and 16.

Rear wall 13 is then bent upwardly along line 28 until the inner face thereof abuts the outer faces of flaps 17. Top wall 10 is now bent along hinge lines 26 and 27 so that the inner face thereof will abut the outer faces of flaps 19 and 20. In performing this step, the free ends of flaps 21 are inserted through the opening in said top wall.

The two sections of top wall 10 when bent downwardly relative to each other along hinge line 26 will rest upon the angular side edges 30 of end walls 15 and 16. The two sections of top wall 10 and the two halves of opening 25 will therefore be angularly disposed towards each other with hinge line 26 as the apex. The apex of each of said end walls 15 and 16 will thus be positioned directly below the outer ends of hinge lines 31 and 26.

Front wall 11 is then bent downwardly along line 27 until its inner face abuts the outer faces of flaps 18 and 22. Extension 12 is then bent inwardly until it abuts the outer face of bottom wall 14. Ears 23 are bent inwardly and the free end of said extension 12 with inwardly bent ears 23 are inserted through opening 24 in bottom wall 14. Once within the container, ears 23 will spring back to their original outwardly extending position, thus securely locking the container as shown in Fig. 5. In this position, the free end of extension 12 cannot be removed from opening 24 because of the projecting ears 23. Once the container is so locked it cannot be opened save by destroying the same. This permanent locking feature makes the container especially suitable and desirable as a coin bank.

As shown in Figs. 3 and 4, the top and bottom walls of the final container are reinforced as they are formed of a plurality of members. The top wall 10 is reinforced by flaps 19 and 20 and the bottom wall by extension 12.

It will be noted from Fig. 2 that when the container is set up, flaps 21 will be positioned above only one of the half sections of top wall 10, that is, the half section of said top wall 10, the inner face of which abuts the outer faces of flaps 19. The wider lower portion of said flaps 21 therefore extend beyond the half of opening 25 located in said half section of top wall 10. In this manner, flaps 21 are prevented from slipping into the container through opening 25. The coins are inserted through the inner faces of flaps 21.

Top wall 10, front wall 11, extension 12, rear wall 13, bottom wall 14 and flaps 20 are of rectangular shape. Flaps 19 are of trapezoidal shape. End walls 15 and 16 are of pointed polygonal contour. Front wall 11 and rear wall 13 are substantially identical in shape and in dimension. Flaps 17, 18, 19, 20, 21 and ears 23 are substantially identical in shape and in dimension. Top wall 10 and bottom wall 14 are substantially identical in shape.

I have shown a preferred embodiment of my invention, but numerous omissions and changes may be made without departing from its spirit.

I claim:

1. A container of the character described formed from a single blank of cardboard comprising a top wall divided into two sections and having a coin opening formed therein, a front wall, a rear wall, end walls, and a bottom wall having an opening formed therein, each of said end walls having an integral flap extending thereupon, said flaps underlying one of the sections of the top wall, each of said flaps having a first integral supplemental flap which underlies the second half section of said top wall and a second integral supplemental flap which extends through the coin opening formed in the said top wall, the front wall having an integral extension provided with integral ears at the free end thereof, the free end of said extension and said ears being adapted to enter the opening in the bottom wall and securely lock the container.

2. A container according to claim 1, in which the end walls are substantially identical and of pointed polygonal contour, and the front wall and rear wall are substantially identical in shape and dimension.

3. A container which consists of an integral blank which is folded into carton shape, comprising a top wall divided into two sections and having a vertical coin opening formed therein, a front wall, a rear wall, end walls, and a bottom wall having an opening formed therein, said top wall being located intermediate the front wall and rear wall and being integral therewith at the bottom edge of said front wall and the top edge of said rear wall, said top wall being hingedly connected to said front wall and rear wall by hinge lines, said front wall being integral with said top wall at the top edge thereof and being hingedly connected thereto by a hinge line, the rear wall being located intermediate the top wall and bottom wall and being integral therewith at the bottom edge of said top wall and at the top edge of said bottom wall, said rear wall being hingedly connected to said top wall and bottom wall at the said points by hinge lines, the said bottom wall being located intermediate the end walls and being integral with the rear wall at the bottom edge thereof, said bottom wall being hingedly connected to said end walls and rear wall by hinge lines, said end walls being identical and having a pointed polygonal contour, the median portion of said end walls being greater than the end portions thereof, each of said end walls having an integral side flap extending from the upper angular side edges thereof, the said flaps underlying one of the sections of the top wall, each of said side flaps having a first integral supplemental flap which underlies the second half section of said top wall, and a second integral supplemental flap which extends through the coin opening formed in the said top wall, the front wall having an integral extension provided with lateral ears adjacent the free end thereof, the free end of said extension and said ears being adapted to enter the opening in the bottom wall and securely lock the container.

4. A container blank which comprises a top wall, a front wall, a rear wall, end walls, and a bottom wall having an opening formed therein, said top wall being located intermediate the front wall and rear wall and being integral therewith at the bottom edge of said front wall and the top edge of said rear wall, said top wall being hing-

edly connected to said front wall and rear wall by hinge lines, said top wall being divided into two equal sections by hinge lines, said top wall having a coin opening cut therein, said opening being perpendicular to said hinge line and bisecting the same, the rear wall being located intermediate the top wall and bottom wall and being integral therewith at the bottom edge of said top wall and at the top edge of said bottom wall, said rear wall being hingedly connected to said top wall and bottom wall at the said points by hinge lines, the bottom wall being located intermediate the end walls and being integral therewith at the side edge thereof and being also integral with the rear wall at the bottom edge thereof, said bottom wall being hingedly connected to said end walls and rear wall by hinge lines, said end walls being substantially identical in shape and in dimension, the median portion of said end walls being wider than the end portions thereof, each of said end walls having integral top and bottom flaps extending therefrom, each of said end walls having an integral side flap extending from the upper side edges thereof, each of said side flaps having a first integral supplemental flap which extends from the bottom longitudinal edge thereof and a second integral lateral supplemental flap, said second supplemental flap being adapted to extend through the coin opening formed in the top wall, the front being integral with said top wall at the top longitudinal edge thereof and being hingedly connected thereto by a hinge line, said front wall having an integral extension provided with lateral ears adjacent the free end thereof, the free end of said extension and said ears being adapted to enter the opening in the bottom wall when the blank is set up in container form.

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