April 5, 1938. H. C. HARVEY 2,112,959

DISPENSING RECEPTACLE

Filed Feb. 26, 1936

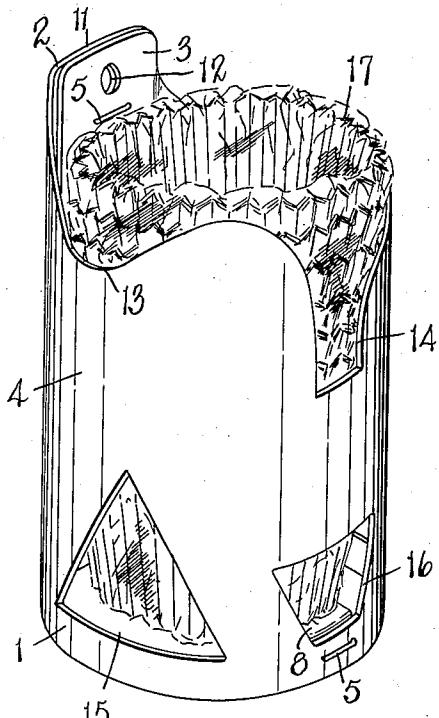


Fig. 1.

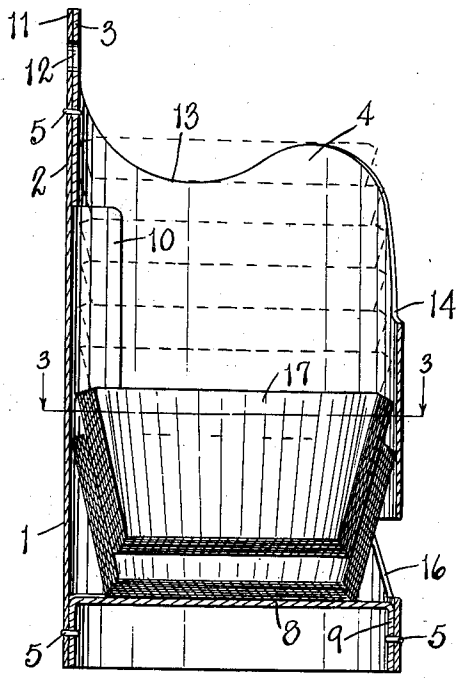


Fig. 2.

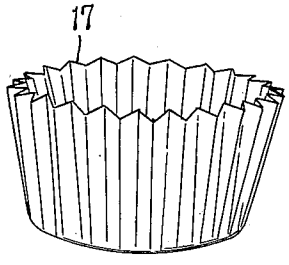


Fig. 5.

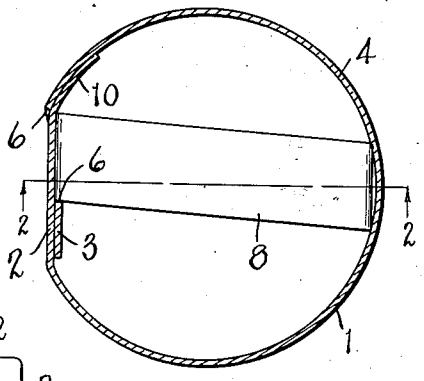


Fig. 3.

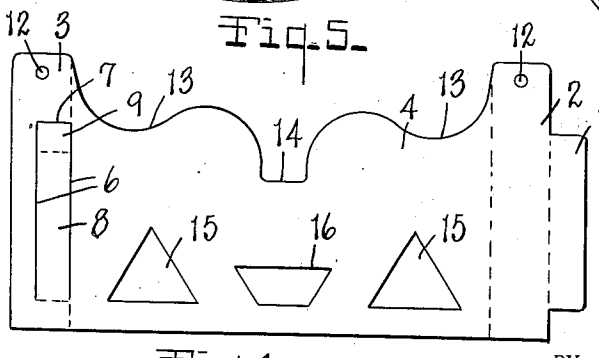


Fig. 4.

INVENTOR.
Harold C. Harvey
BY
Chappell, Earl & Chappell
ATTORNEYS

Patented Apr. 5, 1938

2,112,959

UNITED STATES PATENT OFFICE

2,112,959

DISPENSING RECEPTACLE

Harold C. Harvey, Sturgis, Mich., assignor to Harvey Paper Products Company, Sturgis, Mich.

Application February 26, 1936, Serial No. 65,786

6 Claims. (Cl. 229—21)

This invention relates to improvements in dispensing receptacles.

The main objects of this invention are:

First, to provide a dispensing container for paper dishes or baking cups which may be used as a shipping container and effectively supports the dishes or cups so that they maintain their shape and at the same time they are readily accessible.

Second, to provide a dispensing container which may be suspended or supported on a shelf or table, and even though made of light material is well adapted for use in either relation.

Third, to provide a dispensing container which is attractive in appearance and effectively displays the contents.

Objects pertaining to details and economies of my invention will definitely appear from the description to follow. The invention is defined in the claims.

A structure which embodies the features of my invention is clearly illustrated in the accompanying drawing, in which:

Fig. 1 is a perspective view of my improved shipping and dispensing package comprising the container and its contents.

Fig. 2 is a vertical central section on line 2—2 of Fig. 3, a plurality of the groups of nested paper dishes or baking cups being conventionally illustrated.

Fig. 3 is a horizontal section on line 3—3 of Fig. 2.

Fig. 4 is a plan view of the blank from which the container of my invention herein illustrated is formed.

Fig. 5 is a fragmentary view of one of the cups or dishes, for packaging or dispensing of which the container is especially designed.

In the embodiment of my invention illustrated the container designated generally by the numeral 1 is formed of an integral blank comprising rear wall portions 2 and 3 at the ends thereof and an intermediate side wall portion 4. The blank is set up by superimposing the rear wall portions as shown in the drawing with the rear wall portion 3 on the inside. These rear wall portions are flat while the side wall portion is preferably curved as shown in the drawing to provide the curved side wall of the container, the overlapping or superimposed rear walls being suitably secured together as by means of the staples or wire stitches 5.

The inner rear wall portion 3 is vertically slit at 6 and horizontally slit at 7 to provide a strap-like bottom member 8. This bottom member is folded down to bottom position to provide a strap-like bottom and terminates in a downturned flap 9 secured to the front of the side wall by means of a wire stitch or staple 5, or by means of adhesive as may be desired.

The outer rear wall member 2 is provided with a sealing flap 10 which is inserted through the opening resulting from the cutting of the bottom from the inner wall member and secured on the inner side of the side wall as clearly shown in Figs. 2 and 3. This is preferably secured by adhesive. This not only results in an effective securing of the blank together but also in closing the joint opening which would otherwise be present and providing a rigid double-ply back wall for reinforcing and stiffening the structure generally, and providing also an effective suspending means.

The upper ends of these back wall portions project above the upper edge of the side wall portions providing a suspending tab 11 perforated at 12 to receive a nail or other hanger means. The flat back rests upon the wall or other support so that the container does not objectionably wobble about while articles are being removed therefrom.

The upper edge of the side wall portion is reversely curved from each back wall portion resulting in side recesses 13 and a front recess 14. The recess 14 extends well below the recesses 13 and provides a finger opening through which the contents may be grasped or facilitating the grasping of the contents.

The side wall has side window openings 15 and front window opening 16 exposing the contents in the container and permitting their manipulation when the container is nearly exhausted, that is, permitting their being pushed up for convenient grasping.

While I prefer to form the bottom as herein shown, it may be formed of a separate piece. When the container is opened the contents can be pushed up from the bottom through the opening at the sides of the bottom member 8. However, when the container is resting upon a shelf or table that is not conveniently done without picking up the container, which is frequently inconvenient. By upsetting the bottom the container is rendered stable when resting on a table or shelf, that is, it does not wobble about as is likely to result from a bulging of the bottom when the bottom is flush with the bottom of the walls.

My improved dispensing container is very simple and economical in production, and is particularly desirable for use in packaging and dispensing paper cups or dishes 17 having fluted or

corrugated side walls. These dishes are formed by die pressing from comparatively thin stock and there is a tendency for them to open up or flatten unless properly supported. The walls of the container form such proper support, at the same time exposing the contents both for display purposes and so that they can be easily removed. The flat rear portion or back panel rests against the support when the container is suspended so that there is not an objectionable rolling or rocking movement when the contents are removed.

The paper dishes or baking cups are preferably nested in groups and the groups nested in the container. I have illustrated such group nesting and nesting of the groups in the drawing. The walls of the container are preferably slightly tapered downward, thus facilitating the packing and also the removal of the contents.

While I have illustrated the container as cylindrical it will be understood that if it were to be used for square or other shaped dishes the wall portion would conform to the shape of the contents. I have not illustrated such modifications as it is believed that the adaptation of my invention to such shapes will be understood by those skilled in the art to which the invention relates, having in mind particularly that it is desirable to support the corrugated or fluted walls of the dishes.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:

1. A dispensing container formed of an integral blank comprising a side wall portion and rear wall portions at each end thereof, the rear wall portions being secured together in superimposed relation providing a rear wall and a cylindrically curved side wall, the inner rear wall portion being longitudinally slit to provide a bottom member attached at its lower end to the inner rear wall portion, said bottom member being folded downwardly and terminating in a flap at its front end secured to the front of the side wall portion and providing an upset bottom, the outer rear wall portion having a securing flap at its edge disposed through the opening resulting from the cutting of the bottom from the inner rear wall portion and secured to the inner side of the side wall portion.

2. A dispensing container formed of an integral blank comprising a side wall portion and rear wall portions at each end thereof, the rear wall portions being secured together in superimposed relation providing a rear wall and a cylindrically curved side wall, the inner rear wall portion being longitudinally slit to provide a bottom member attached at its lower end to the inner rear wall portion, said bottom member being folded downwardly and terminating in a flap at its front end secured to the front of the side wall portion and providing an upset bottom.

3. A dispensing container formed of an integral blank comprising a side wall portion and rear wall portions at each end thereof, the rear wall portions being secured together in superimposed relation providing a rear wall and a cylindrically curved side wall, a bottom member attached at its lower end to the inner rear wall portion at a point spaced from the bottom of said inner rear wall portion, said bottom member being folded downwardly and terminating in a flap at its front end permanently secured to the front of the side wall portion and providing an upset bottom.

4. A dispensing container formed of an integral blank comprising a side wall portion and rear wall portions at each end thereof, the rear wall portions being secured together in superimposed relation providing a rear wall, a bottom member attached at one end to the inner rear wall portion at a point spaced from the bottom of said inner rear wall portion, said bottom member being permanently secured to the front of the side wall portion.

5. A dispensing container having a double thickness rear wall made up of a pair of superimposed inner and outer portions, a bottom member attached at its lower end to the inner rear wall portion at a point spaced from the bottom of said inner rear wall portion, said bottom member being folded and adapted to be permanently secured to the front of the container, the outer rear wall portion having a securing flap at its edge disposed through the inner rear wall portion and secured to the inner side of the container.

6. A dispensing container having a double thickness rear wall made up of a pair of superimposed inner and outer portions, a bottom member attached at its lower end to the inner rear wall portion, said bottom member being folded and adapted to be permanently secured to the front of the container, the outer rear wall portion having a securing flap at its edge secured to the inner side of the container.

HAROLD C. HARVEY.