Nov. 17, 1936. J. E. ANNEN 2,060,781

CUP OR DISH

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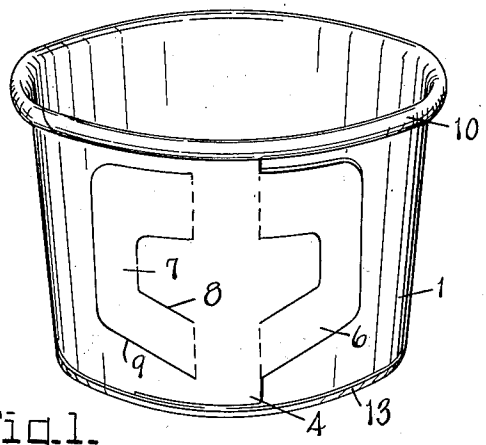


Fig. 1.

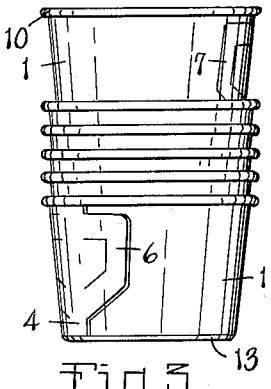


Fig. 3.

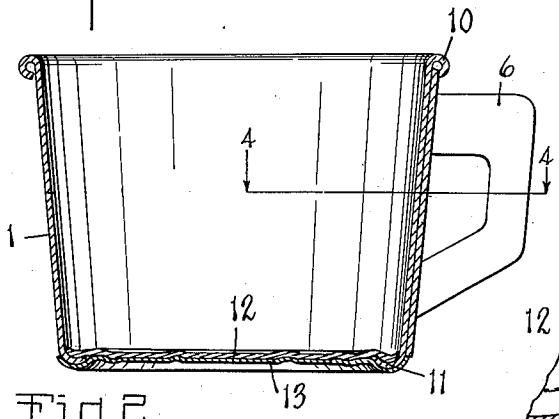


Fig. 2.

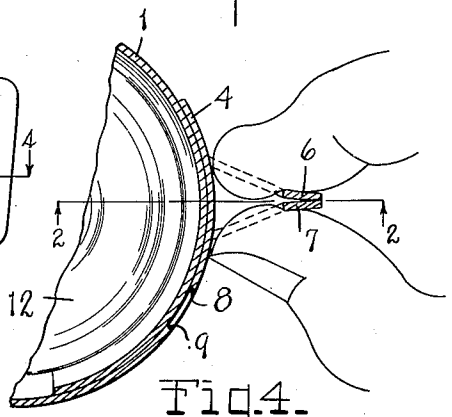


Fig. 4.

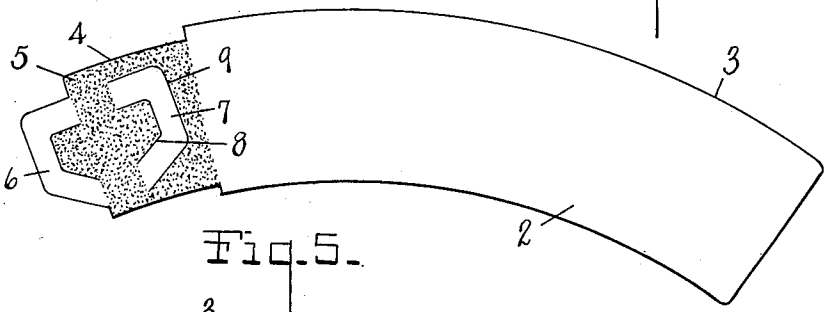


Fig. 5.

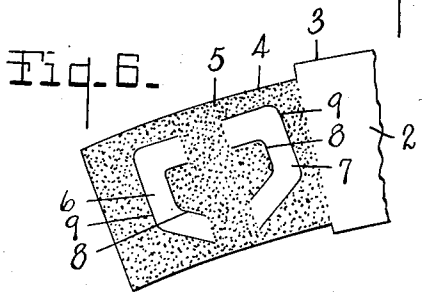


Fig. 6.

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2,060,781

CUP OR DISH

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Application February 17, 1936, Serial No. 64,258

12 Claims. (Cl. 229—52)

The main objects of this invention are:

First, to provide a cup or dish having a handle, which can be effectively nested.

Second, to provide a paper cup or dish in which the handle is rigid and effective in supporting the cup or dish against lateral swaying movement.

Third, to provide a handled cup or dish which can be very rapidly and economically produced from container stock and by machinery now used for manufacturing similar cups or dishes without handles.

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

Preferred embodiments of my invention are illustrated in the accompanying drawing, wherein:

Fig. 1 is a perspective view of my improved cup or dish with the handle collapsed.

Fig. 2 is a vertical section on line 2—2 of Fig. 4 with the handle erected.

Fig. 3 is a side elevation of a stack of the cups, the upper cup being only partially inserted.

Fig. 4 is a horizontal section on line 4—4 of Fig. 2.

Fig. 5 is a plan view of the body or side wall blank.

Fig. 6 is a fragmentary view of a slightly modified form or embodiment of my invention.

My improvements are especially designed by me for embodiment in tapered cups or containers as the structure particularly lends itself to telescoping or nesting when tapered, although the handle structure is desirable for use in various types of containers or dishes.

In the embodiment of my invention illustrated, the wall or body 1 of the cup is formed of an arcuate blank 2 of suitable paper or container stock, this blank having a body portion 3 of uniform width from end to end and terminating at one end in a sealing flap 4 of reduced width.

The sealing flap has adhesive indicated at 5 applied to the inner side thereof and is lapped upon and secured to the other end of the blank, thus forming a tapered side wall. The end of the flap is conformed and the blank slitted to provide oppositely disposed U-shaped or loop-like handle members 6 and 7, the end of the flap being conformed to provide the outer edge of the handle member 6 and being slitted at 8 and 9 to complete the handle members.

In gluing the flap, the glue or adhesive is omitted from the inner sides of the handle members so that these may be lifted out from the plane of the flap to provide coacting handle members as shown in Fig. 4. When these are grasped, as indicated, they serve to brace one another and prevent lateral or swaying movement of the cup.

The upper edge of the wall is beaded or rolled outwardly at 10, the bead preferably overlapping the edge of the sealing flap. The lower edge of the wall member is turned inwardly to provide a bottom supporting flap 11. This can be done without distorting the material unduly owing to the fact that the body portion of the blank is wider than the flap.

The bottom 12 in the form of a disk is arranged upon and secured to the inturned bottom supporting flange 11, while the outer bottom member, 13 preferably in the form of a disk of paper, is adhesively secured over the bottom of the flange and the bottom of the inner bottom member. This forms a very strong and rigid assembly even when made of comparatively light material.

In the modification shown in Fig. 6, the end of the body blank is not conformed to provide the outer edge of the handle 6, but is continued the full width and the handle member 6 formed by slitting at 9 the same as the handle member 7.

This method of forming the handle not only results in a very rigid handle which enables the secure grasping of the same, but also a handle which is effective to support the cup or dish against lateral swaying, thereby making it particularly desirable as a drinking cup or a dish for ice cream or the like.

The cup may be manufactured by the same type of machinery as that used in manufacturing cups without handles. The cups may be nested as compactly as is possible with cups without handles. At the same time, the handles may be erected and recollapsed as desired.

I have illustrated and described my improvements in very practical embodiments thereof. I have not attempted to illustrate or describe certain other embodiments or adaptations which I contemplate as it is believed that this disclosure will enable those skilled in the art to embody or adapt my improvements as may be desired.

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

1. A tapered paper dish or cup comprising a side wall formed of an arcuate blank having a body portion terminating at one end in a sealing flap conformed at its end and slitted to provide oppositely disposed U-shaped handle members, the sealing flap being lapped upon the outside of the other end of the body portion and adhesively secured thereto so as to permit the handle members being swung outwardly against each other for grasping, the handle members initially being flush with the surface of the flap and collapsible within said surface to permit nesting, the lower edge of the body being turned inwardly to provide a bottom-supporting flange, an inner bottom member arranged upon and secured to said

flange, and an outer bottom member of thin material arranged on the under side of said inner bottom member to overlap said flange and adhesively secured to both.

2. A tapered paper dish or cup comprising a side wall formed of an arcuate blank having a body portion terminating at one end in a sealing flap conformed at its end and slitted to provide oppositely disposed U-shaped handle members, the sealing flap being lapped upon the outside of the other end of the body portion and adhesively secured thereto so as to permit the handle members being swung outwardly against each other for grasping, the handle members initially being flush with the surface of the flap and collapsible within said surface to permit nesting, the lower edge of the body being turned inwardly to provide a bottom-supporting flange, and a bottom member arranged upon and secured to said flange.

3. A tapered paper dish or cup comprising a side wall and a bottom, the side wall being formed of an arcuate blank having a body portion of uniform width terminating at one end in a sealing flap of reduced width and conformed at its end and slitted to provide oppositely disposed U-shaped handle members, the sealing flap being lapped upon the outside of the other end of the body portion and adhesively secured thereto so as to permit the handle members being swung outwardly against each other for grasping, the handle members initially being flush with the surface of the flap and collapsible within said surface to permit nesting, the upper edge of the body portion being beaded outwardly with the bead overlying the upper edge of the sealing flap.

4. A tapered paper dish or cup comprising a side wall and a bottom, the side wall being formed of an arcuate blank having a body portion terminating at one end in a sealing flap conformed at its end and slitted to provide oppositely disposed U-shaped handle members, the sealing flap being lapped upon the outside of the other end of the body portion and adhesively secured thereto so as to permit the handle members being swung outwardly against each other for grasping, the handle members initially being flush with the surface of the flap and collapsible within said surface to permit nesting.

5. A dish or cup comprising a side wall formed of a blank of fibrous material having a body portion of uniform width terminating at one end in a sealing flap of reduced width slitted to provide a handle member, the sealing flap being lapped upon the outside of the other end of the body portion and adhesively secured thereto so as to permit the handle member being swung outwardly from the flap for grasping, and collapsible within said flap to permit nesting, the upper edge of the body portion being beaded outwardly with the bead overlying the upper edge of the sealing flap, the lower edge of the body being turned inwardly to provide a bottom-supporting flange, an inner bottom member arranged upon and secured to said flange, and an outer bottom member of thin material arranged on the under side of said inner bottom member to overlap said flap and adhesively secured to both.

6. A dish or cup comprising a side wall formed of a blank of fibrous material having a body portion of uniform width terminating at one end in a sealing flap of reduced width slitted to provide a handle member, the sealing flap being lapped upon the outside of the other end of the body portion and adhesively secured thereto so as to permit the handle member being swung outwardly from the flap for grasping and collapsible within said flap to permit nesting, the upper edge of the body portion being beaded outwardly with the bead overlying the upper edge of the sealing flap, the lower edge of the body being turned inwardly to provide a bottom-supporting flange, and a bottom member arranged upon and secured to said flange.

7. A dish or cup comprising a side wall and a bottom, the side wall being formed of a blank of fibrous material having a body portion of uniform width terminating at one end in a sealing flap slitted to provide a handle member, the sealing flap being lapped upon the outside of the other end of the body portion and adhesively secured thereto so as to permit the handle member being swung outwardly from the flap for grasping or to be collapsed into the recess resulting from the slitting of the handle from said sealing flap to permit nesting.

8. A dish or cup comprising a side wall formed with overlapping ends, the outer overlapping end being slitted to provide oppositely disposed loop-like handle members, the handle members initially being flush with the surface of the overlapping end and collapsible within said surface to permit nesting.

9. A dish or cup comprising a side wall formed with overlapping ends adhesively secured together, the outer overlapping portion being slitted to provide a loop-like handle adapted to be swung outwardly for grasping or to be collapsed into the recess resulting from the slitting of the handle from said outer overlapping portion.

10. A tapered dish or cup comprising a side wall formed of an arcuate blank of fibrous material terminating at one end in a sealing flap conformed at its end and slitted to provide oppositely disposed loop-like handle members lying flush with the surface of the flap when collapsed to permit nesting but capable of being swung outwardly into inwardly diverging relation providing a braced handle when the bight portions of the members are simultaneously grasped.

11. A dish or cup comprising a side wall formed of a blank of fibrous material terminating at one end in a sealing flap slitted to provide oppositely disposed loop-like handle members lying flush with the surface of the flap when collapsed to permit nesting but capable of being swung outwardly into inwardly diverging relation providing a braced handle when the bight portions of the members are simultaneously grasped.

12. A dish or cup comprising a side wall having overlapping ends, the outer overlapping end portion being slitted to provide oppositely disposed loop-like handle members which lie flush when collapsed to permit nesting but are capable of being swung outwardly into inwardly diverging relation providing a braced handle when the bight portions of the members are simultaneously grasped.

JAMES E. ANNEN.