Oct. 5, 1943. F. C. FOLEY 2,330,878

CONTAINER

Filed Dec. 21, 1939

Fig. 3.

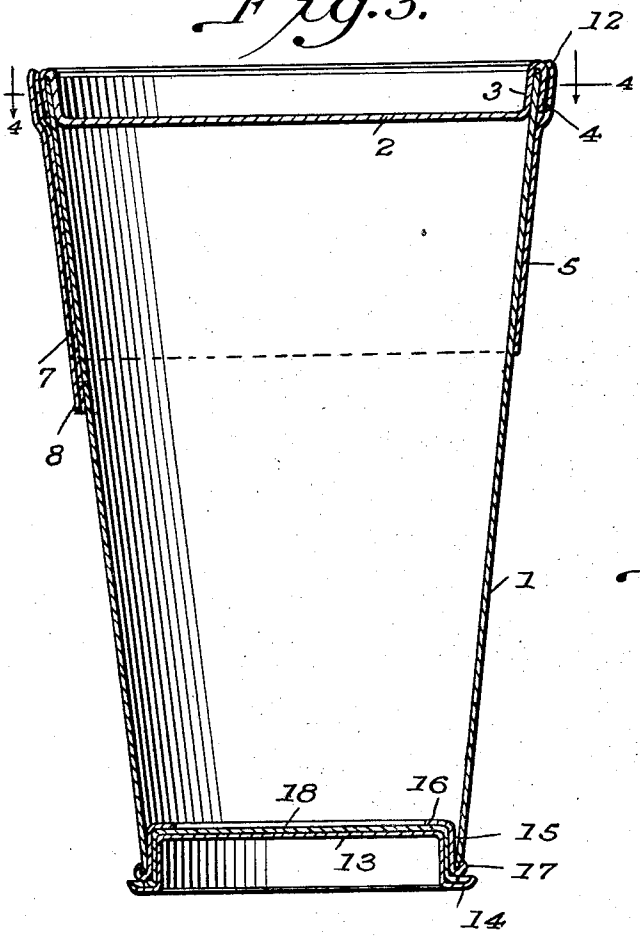


Fig. 2.

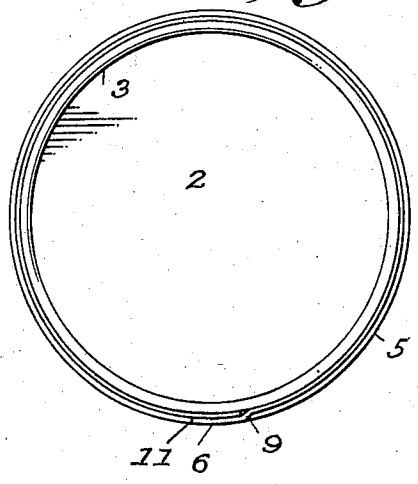


Fig. 1.

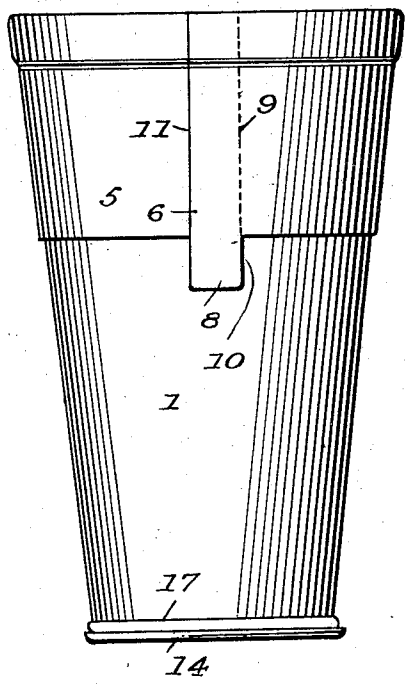
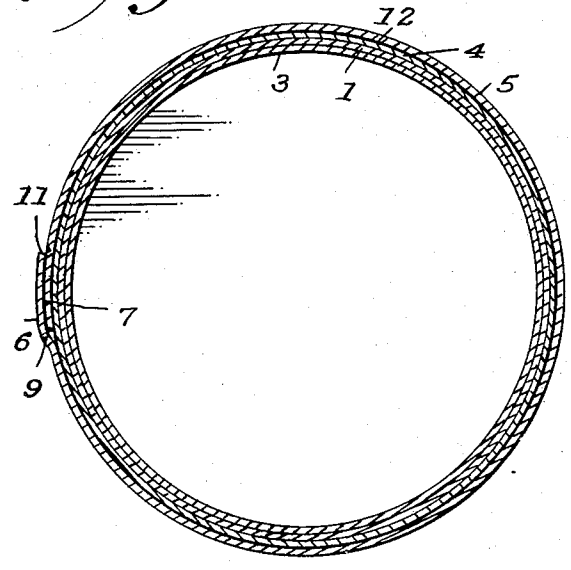


Fig. 4.



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2,330,878

CONTAINER

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Application December 21, 1939, Serial No. 310,458

2 Claims. (Cl. 229—51)

My invention relates to new and useful improvements in a container preferably formed of paper and adapted for containing milk or other beverages and the principal object of the invention resides in the provision of a tapered body portion having end closures and a protecting member adapted to enclose one end portion of the body and maintain the same in a clean sanitary condition while at the same time aiding in holding or sealing one of the end closures in position.

A further object of the invention resides in the provision of a protecting member of the character set forth including means for readily removing the same to release an end closure from the body and to present a clean body surface at the open end of the container after the end closure has been removed to permit drinking of the contents, it being understood that the lips of the drinker will contact the clean surface of the body or end portion thereof. The container may therefore be used for storing and shipping the contents and then as a cup to drink the contents after an end closure has been removed.

Another object of the invention consists in the provision of a container including a body portion and end closures, one of the end closures being sealed at the point of manufacture while the opposite end closure is applied after the container has been filled, that end closure sealed at the point of manufacture being removed for discharge of the contents such as by drinking, means being provided for breaking the seal to permit ready removal of the closure.

With the above and other objects in view, which will appear as the description proceeds, my invention consists in the novel details of construction, and arrangement of parts, described in the following specification and illustrated in the accompanying drawing, and while I have illustrated and described the preferred embodiments of the invention, as they now appear to me, it will be understood that such changes may be made as will fall within the scope of the appended claims.

In the drawing—

Fig. 1 is a side elevation.

Fig. 2 is an end view.

Fig. 3 is a transverse vertical section; and

Fig. 4 is a horizontal section on the line 4—4 of Fig. 3 looking in the direction of the arrows.

It has become a practice to dispense beverages in paper containers of various constructions and most of these containers include an end closure which may be removed for pouring the contents therefrom. Usually the contents is poured into a glass or other receptacle. With the form of container which I have provided the container may be used for drinking the contents directly therefrom, a protecting member being normally applied around one end portion of the body of the container and adapted to be removed to provide a clean sanitary surface for engagement by the lips when the end closure has been removed and it is desired to drink the beverage. In carrying out this idea that end closure which is removed for drinking purposes is applied and sealed at the point of manufacture while the opposite end closure is applied after filling, the last-mentioned end closure acting as a bottom for the container when the contents is being removed such as by drinking.

In the drawing 1 indicates the body portion of the container which is tapered and formed of paper or other readily destructible material. An end closure, preferably of the same material as the body 1, is inserted into or applied to the larger end of the body at the point of manufacture and this end closure includes a central disc-like portion indicated at 2, an outwardly directed flange 3 and an inwardly directed flange 4 which extends parallel with the flange 3, but in spaced relation thereto, the larger end of the body portion 1 being received in the space between the flanges as is quite clearly illustrated in Fig. 3 of the drawing. It will be noted that the flanges 3 and 4 encircle the end of the body while the central disc-like portion 2 extends inwardly of the end of the body as shown.

A protecting member, preferably of paper, is also applied at the point of manufacture and this includes a strip of material shaped to provide a sleeve 5, the ends of the strip being overlapped as shown at 6 and secured by an adhesive illustrated at 7. The over-lapped ends are provided with the extension forming a tab or projection 8 which extends towards the center of the container, shown more particularly in Figs. 1 and 3 of the drawing. A line of scoring, indicated at 9, extends from the edge 10 of the tab or projection entirely throughout the width of the sleeve, as shown more particularly in Fig. 1 of the drawing, and when the sleeve is to be removed from the container the tab or projection 8 will be grasped by the fingers and pulled towards the large end of the container thereby tearing along the scored line 9 and the edge 11 formed by the overlapped ends of the strip forming the sleeve.

The sleeve 5 is not attached to the body 1 other than by its frictional engagement therewith, but

is secured to the outer face of the flange 4 of the end closure by the adhesive shown at 12. Although connected by the adhesive to the closure the strip may be torn from the flange when the tab or projection 8 is grasped and the sleeve torn for removal purposes.

It will be noted that the sleeve 5 is of tapered formation corresponding to the taper of the body portion 1 and due to this taper it will be noted that the end closure will be securely held in position against accidental displacement. In other words should pressure be applied to the inner face of the closure the tendency would be to draw the sleeve 5 towards the larger diameter of the body and the cooperating tapers of the body and sleeve would prevent movement of the end closure.

An end closure is adapted to be applied to the smaller end of the body after the contents has been introduced into the container. The end closure, preferably formed of metal, includes the reduced circular portion 13 which fits into the smaller diameter of the body and the outwardly directed flange 14 as shown quite clearly in Fig. 3 of the drawing. Secured in the smaller diameter of the body is a metal ring 15 including an inwardly directed flange 16 and the rounded edge 17 which engages the end of the body portion. A lining 18, preferably of paper or similar material, is shaped around the reduced portion 13 of the closure and after the container has been filled the closure, with the lining, is forced into the ring 15 and is securely held therein by friction. This closure, which is applied after filling, will act as the bottom or base of the container when the closure 2 is removed for discharging the contents or when the container is being used as a cup-like member in drinking the contents. When shipping or the like the larger end of the container, closed by the closure 2, will be used as the base or support for the container.

The protecting member is preferably formed into a sleeve by winding or wrapping around the body at the point of manufacture, but, if desired, the sleeve may be preformed and applied to the container by moving the same over the small end of the body and towards the large end with which it will contact and due to the taper be held by friction.

From the above detailed description it is thought that the construction and manner of use will be clearly understood. As stated when it is desired to remove the contents from the container the tab 8 will be grasped and by pulling outwardly towards the end of the container the adhesive connection will be broken between the sleeve 5 and flange of the end closure and the strip will be torn along the overlapped edge 11 and the line of scoring 9. When the strip is torn from the sleeve, as just described, the end closure and sleeve may be readily removed from the body and a clean sanitary surface will be provided for the lips when drinking directly from the container. It will be noted in removing the sleeve that the tab 8 is pulled towards the larger end of the container.

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

1. A container including a tapered body portion and a removable end closure for the larger end thereof, and a protecting sleeve formed of readily destructible material encircling a substantial part of the body portion with its outer end secured to the end closure, said sleeve being of a taper corresponding to the taper of the body portion and contacting the same to normally prevent outward endwise movement of the end closure relative to the body portion and including a tab adapted to be grasped and pulled towards the larger end of the container for tearing a portion of the sleeve for removal of the sleeve and end closure.

2. A container including a tapered body portion and a removable end closure for the larger end thereof, said end closure including a flange encircling the outer surface of the body portion, and a protecting sleeve formed of readily destructible material encircling a substantial part of the body portion with its outer end adhesively connected to the flange of the end closure, said sleeve being of a taper corresponding to the taper of the body portion and contacting the same to normally prevent outward endwise movement of the end closure relative to the body portion and including a tab adapted to be grasped and pulled towards the larger end of the container for tearing a portion of the sleeve for removal of the sleeve and end closure from the body portion.

FRED CHARLES FOLEY.