Dec. 19, 1944. H. RUBIN 2,365,598

BOTTLE CLOSURE

Filed Jan. 7, 1942

FIG. 2.

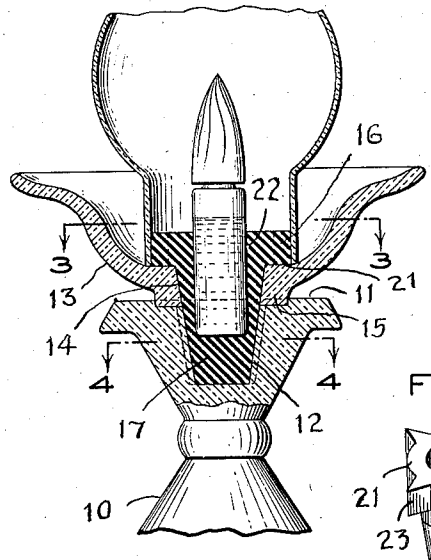


FIG. 1.

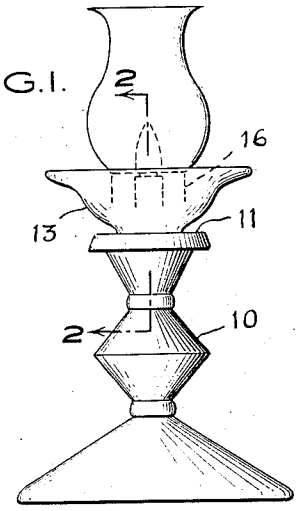


FIG. 6.

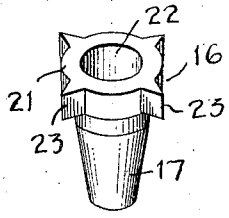


FIG. 5.

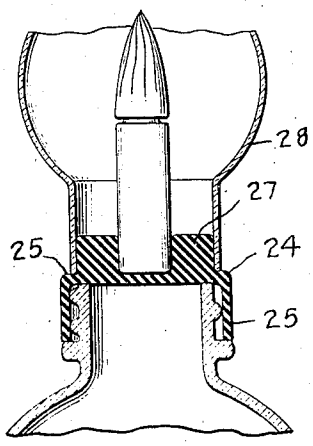


FIG. 3.

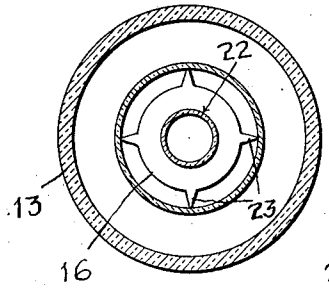


FIG. 7.

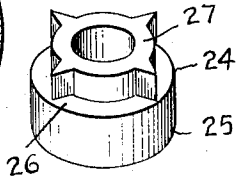


FIG. 4.

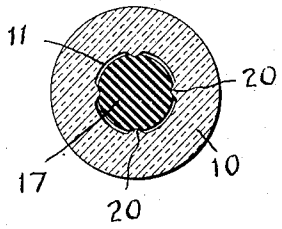
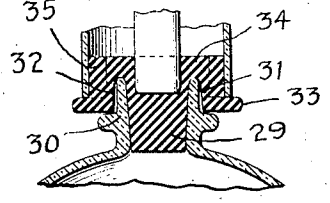


FIG. 8.



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BOTTLE CLOSURE

Herbert Rubin, New York, N. Y.

Application January 7, 1942, Serial No. 425,827

1 Claim. (Cl. 41—10)

This invention relates to bottle closures and is more particularly concerned with bottle combinations having lower portions for holding the liquid and upper portions for decorative or other purposes.

In the manufacture of bottles, containers, candlesticks and the like, especially in products where the container includes a combination having upper elements above the bottle and closure means such as lamp chimneys, shades, slip caps and the like, the problem of holding and fixing the chimneys, shades or slip caps in position has been a serious one. In many cases the upper elements are attached to the bottle by screw caps which necessitate a threaded cap and also threads on the bottle top. This type of construction has required the use of extra material and additional handling. With the present shortage of materials such as copper, brass, tin, and plastics, the production of containers having closure means of this nature has been seriously hampered, and will probably be seriously curtailed. However, there are certain materials which are presently available and which can be used for slip caps and yet they cannot be easily threaded. Wood and similar products are in this category. By use of the closure means of this invention these materials may now be readily and economically employed. Accordingly, it has been necessary for the manufacturer to provide containers and closure means made of the available materials and of a nature as to have as few parts as possible.

It is an object of this invention to provide a bottle and closure means which consists of fewer parts and which provides a proper closure and which at the same time can be quickly manufactured with presently available materials, and which can be produced more cheaply than the materials now available.

For a better understanding of my invention, reference is made to the accompanying drawing in which:

Figure 1 is a side elevational view of the lamp.

Figure 2 is a sectional view on the lines 2—2 of Figure 1.

Figure 3 is a view on the lines 3—3 of Figure 2.

Figure 4 is a view on the lines 4—4 of Figure 2.

Figure 5 is a side elevational view in section of a detail showing a modification.

Figure 6 is a perspective view of the stopper.

Figure 7 is a perspective view showing a modified form of stopper, and

Figure 8 is a sectional view of a detail showing a further modification.

In the device shown in Figures 1 and 2, 10 represents an ordinary lamp stand or candlestick which may be of any desired material such as glass or metal. In the upper portion of the stand, a flat top 11 having a central depression 12 is provided. Resting upon the flat top 11 there is a bobeche 13 which has a central opening 14 of a diameter slightly larger than the diameter of the depression 12. On its lower side, the bobeche is provided with a downwardly extending lip 15 which rests upon the flat top 11. A closure member 16 of resilient material having a downwardly extending portion 17 which is tapered downwardly as shown in Figure 6, is inserted through an opening 14 in the bobeche 13 and fits into the hole 12 in the upper portion of the stand. In order to assure a tight fit and secure the closure member to the stand, vertical ridges 20 extend inwardly toward the center of the hole 12.

At the upper end of the closure member 16, a horizontal lip 21 is provided which is of sufficient diameter to extend over the inner edge of bobeche. By means of this lip, the bobeche is held firmly and squarely in position on the upper part of the stand. In the closure member a central opening, 22 is provided into which a candle or bottle may be inserted and held securely in place.

In many cases it is desired to have a lamp shade, lamp chimney or similar item mounted above the stand and the bobeche. For this purpose the closure member is provided with a plurality of outwardly extending serrations 23. The lower part of the shade or chimney can then be fitted upon and over the member and will be firmly held in position by means of the serrations which are in contact with the chimney as shown in Figure 3.

As will be noted by reference to Figs. 3, 6 and 7, the arrangement of serrations 23 on the top 11 presents a head of generally polygonal form, herein illustrated as of rectangular form, providing spaced edge portions along the edges of the serrations providing a supporting base for a hollow cylindrical object such as a lamp chimney.

Several modifications of the device of this invention are shown in Figures 5, 7, and 8, in which the closure member 24 is of the type which fits over the mouth of a bottle or similar article as in Figure 5. In this form the closure member 24 is provided with a downwardly extending flange 25, a shoulder 26, and upstanding cylindrical member 27. By means of this construction, the chimney or cover 28 can be fitted over the cylindrical member and will be held firmly in position.

A further modification of this closure member is shown in Figure 8. In the form as shown, the

closure member has a downwardly extending portion 29, which may be inserted into a bottle top 30. A downwardly extending flange 31 forms the circular slot 32 which fits over the bottle top 30. A shoulder 33 and an upstanding portion 34 is provided. The upstanding portion is provided with a plurality of serrations 35 over which the chimney or shade fits.

In the use of this closure member, the one member which is of a resilient material, takes the place of several different metal or similar parts, which are now difficult to obtain. In addition, the member provides a means of holding the members in fixed position, and provides a member which is easy and cheap to manufacture, and simple and effective in its use.

I claim:

The combination of an article having a recess opening through the upper end thereof, a bobeche resting upon the upper portion of the article and having an opening in registry with said recess, a resilient stopper having an outwardly extending lip at its upper end, said lip being of a diameter greater than the opening in the bobeche and the said recess, the stopper being of a size to fit in close engagement with the recess of the article and to hold the bobeche in fixed position with respect thereto, and an upper element, the lower part of which fits over the stopper and engages the outer edge of the lip in frictional relation thereto.

HERBERT RUBIN.