Feb. 9, 1943. H. D. TOMPKINS 2,310,818

CONTAINER

Filed May 26, 1942

Fig. 1.

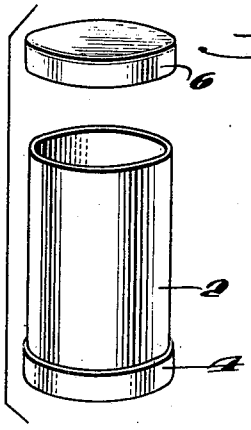


Fig. 3.

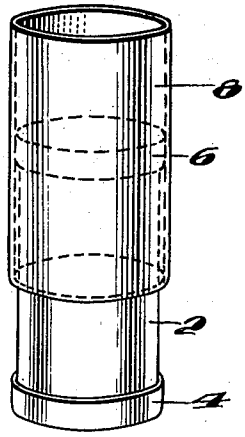


Fig. 2.

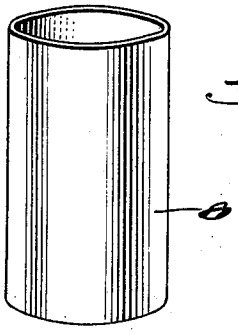


Fig. 4.

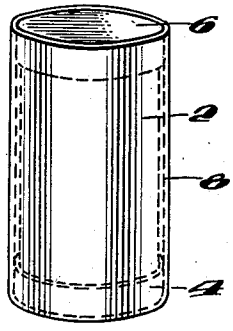
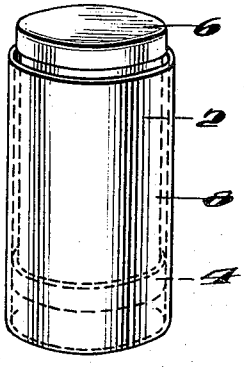


Fig. 5.



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2,310,818

CONTAINER

Harold D. Tompkins, Summit, N. J.

Application May 26, 1942, Serial No. 444,568

1 Claim. (Cl. 229—4.5)

This invention is a two-part container, comprising telescopically engageable inner and outer cylinders.

The principal objects of the invention are to provide a strong, serviceable, inexpensive, dustproof container. It is preferably made of cardboard, although any suitable material may be used. It may be opened and closed at will, without rupture of its parts, and so may be used over and over again.

The inner cylinder is provided with closure caps, one of which is frictionally applied and so may be readily removed. The other cap is preferably permanently secured in place. The outer cylinder engages telescopically and frictionally over the inner cylinder so as to hold the removable cap in place and also to protect and strengthen the inner cylinder.

More specifically, the caps for the inner cylinder engage over the outside of its ends and have an outside diameter, therefore, slightly greater than the outside diameter of the inner cylinder. The outside or protecting cylinder has an inside diameter about the same as, or very slightly less than, the outside diameter of the two caps, so that the outside cylinder slidably and frictionally engages over the caps with a snug friction fit which not only holds the removable cap of the inner cylinder in place but also holds the outer or protecting cylinder in place around the inner cylinder.

One of the very important results of the described construction is that the container may be opened without rupture of any of its parts, simply by pushing the inner cylinder part way out of the outer cylinder, then removing the removable cap of the inner cylinder, whereupon the contents thereof may be emptied and the container returned empty for refilling simply by reassembling the parts, or it may be refilled and reassembled and re-used an indefinite number of times. With the present shortage of various materials, such for example as cardboard, of which the present container is preferably made, the ability to re-use the container over and over again is of importance.

This invention will be described in more detail with reference to the accompanying drawing, in which

Fig. 1 is a perspective view showing the inner cylinder with one end cap in place;

Fig. 2 is a perspective view showing the outer cylinder;

Fig. 3 is a perspective view showing the outer cylinder being telescoped into place over the inner cylinder;

Fig. 4 is a perspective view showing the container in assembled relationship, and

Fig. 5 is a perspective view showing the container partially open preparatory to emptying or refilling.

Referring now to the drawing, 2 indicates an inner cylinder made preferably of medium weight cardboard. Permanently secured to one end of the cylinder is an end cap 4 preferably secured by adhesive. The cap 4 could engage with the cylinder simply with a friction fit, but it is preferably permanently secured in place as by an adhesive. To the other end of the inner cylinder 2 is applied a removable cap 6 which engages frictionally over the outside of the inner cylinder so as to remain in place, but which is readily removable by twisting it off. It will be noted that the outside diameter of the caps 4 and 6 is a little greater than that of the cylinder 2.

The outer larger and protecting cylinder is shown at 8; it is open at both ends and has an inside diameter about equal to or a very little less than the outside diameter of the caps 4 and 6. Cylinder 8 engages frictionally and telescopically over the caps 4 and 6 as shown in Fig. 3, and is movable to the assembled position shown in Fig. 4. In this position, the outer cylinder squeezes the removable cap 6 as well as the fixed cap 4 and holds the cap 6 in place and also holds itself in place over the inner cylinder.

In order to empty or fill the container the inner cylinder is pushed outwardly a short distance as shown in Fig. 5, whereupon the cap 6 may be readily removed for refilling or emptying. No rupture of the parts is involved and yet due to the friction fit of the cap 6 over the inner cylinder and the squeezing fit of the outer cylinder over both caps, the container may be shipped in closed position as shown in Fig. 4 without separation of any of the parts. It is dustproof and quite strong and rigid, due to the double cylinders. A label the full length of the container may be applied around the outer cylinder 8.

While I have illustrated my invention in some detail, it should be understood that the invention is not limited to these exact details, but may be carried out in other ways.

I claim as my invention:

A two-part, cylindrical container, the two parts of which are readily separable, comprising an inner cylinder, a cap for one end of the inner

cylinder secured permanently thereto, a cap for the other end of the cylinder frictionally engageable therewith and readily removable therefrom, the outside diameters of the caps being slightly greater than the outside diameter of said inner cylinder, and an outer cylinder, having an inside diameter substantially the same as the outside diameter of said caps, whereby said outer cylinder telescopes over the inner cylinder and engages frictionally with said caps and holds the removable cap in place, the outer cylinder being readily applied to and removed over said caps, the container being openable without rupture of its parts and so capable of continued re-use.

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