

C. B. DAVIS.
COLLAPSIBLE CONTAINER.
APPLICATION FILED DEC. 3, 1915.

1,219,263.

Patented Mar. 13, 1917.

Fig. 1.

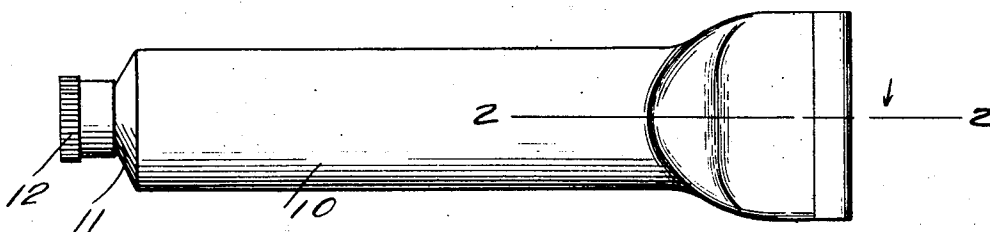


Fig. 2.

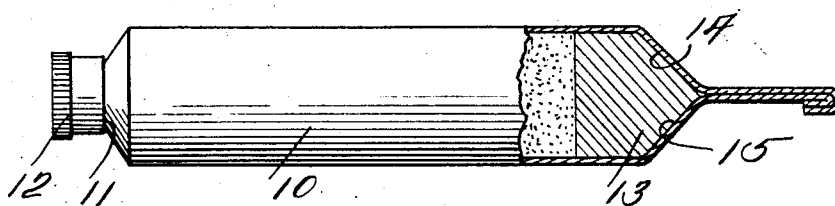
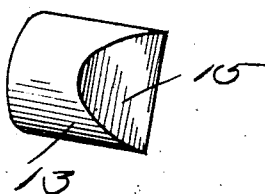


Fig. 3.



Witness

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COLLAPSIBLE CONTAINER.

1,219,263.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CLAUDE B. DAVIS, a citizen of the United States, residing at Richmond, in the county of Henrico, State of Virginia, have invented certain new and useful Improvements in Collapsible Containers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to collapsible tubular containers such as are used for holding paints, paste and similar semi-fluctuant materials, the object of the invention being to provide improved means that will insure complete emptying of the container when collapsed progressively from its bottom or closed end.

The invention consists in the provision within the collapsible container, of a cylindrical follower, one end of which is flat and at right angles to the axis of the cylinder while the opposite end portion is beveled at opposite sides to an edge that intersects the axis of the cylinder so that when the beveled faces are pressed through the wall of the container by the thumb and forefinger of the operator, the follower will be held against rotation and will move positively longitudinally of the container, to expel a corresponding portion of its contents.

I am aware that a collapsible container has been provided with a follower in the form of a ball, but I have found in practice that when this is squeezed to urge it through the container, it is impossible to concentrate all of the pressure to result in a tendency of the ball to move along the axis of the tube. On the contrary, and as the pressure on the ball will not necessarily be at two opposite points in a common plane with the axis of the tube, the ball will have a lateral inclination which will serve to enlarge the tube and preclude efficient ejection of its contents. Furthermore, by forming the end of the cylindrical follower flat, an edge is provided that efficiently scrapes the contained material from the wall of the tube.

In the drawing forming a portion of this

specification and in which like numerals of reference indicate similar parts in the several views;—

Figure 1 is an elevation showing a container embodying the present invention, a part of the contents of the container having been ejected.

Fig. 2 is a central longitudinal section on the line 2—2 of Fig. 1.

Fig. 3 is a detail perspective view of the follower employed by me.

Referring now to the drawings, there is shown a collapsible foil tube 10 having at one end the usual threaded nozzle 11 which is engaged the removable cap 12, the opposite or bottom end of the tube being folded upon itself in the usual manner as illustrated.

Within the tube 10 at the bottom thereof is disposed a follower 13 of cylindrical form having its bottom end beveled at opposite faces as shown at 14 and 15. The follower may be made of wood or of other suitable material and while fitting the tubular bottom 10 with a sufficient closeness to insure ejection of the contents of the tube through the nozzle when the follower is moved in the direction of the latter, is slidable to accomplish the ejection of the contents, by pressure with the fingers of the operator against the beveled faces 14 and 15 through the collapsible foil wall of the tube.

In practice, when the contents of the tube is to be ejected, the cap is removed in the usual manner and pressure of the thumb and forefinger is brought to bear against the faces 14 and 15 through the wall of the tube, with the result that the wall is collapsed and the follower is slid in the direction of the nozzle and the contents is forced through the latter.

After each operation, the collapsed lower end portion of the tube may be rolled upon itself as far as the follower will permit.

What is claimed is:

The combination with a collapsible tubular container of uniform interior diameter and having an outlet opening at one end, of a contents-expelling follower disposed therein and consisting of a cylindrical body slidably fitted to the container and having

its end nearest the outlet opening of the container flat and its opposite end portion beveled on opposite faces whereby movement of the follower axially of the container under the influence of pressure upon its beveled faces through the wall of the container, is insured.

In testimony whereof, I affix my signature, in the presence of two witnesses.

CLAUDE B. DAVIS.

Witnesses:

WILLIAM M. BANIMAN,
CLARK T. COLLINS.