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E. M. QUIMBY
COLLAPSIBLE CONTAINER

1,908,540

Filed June 4, 1932

Fig. 1.

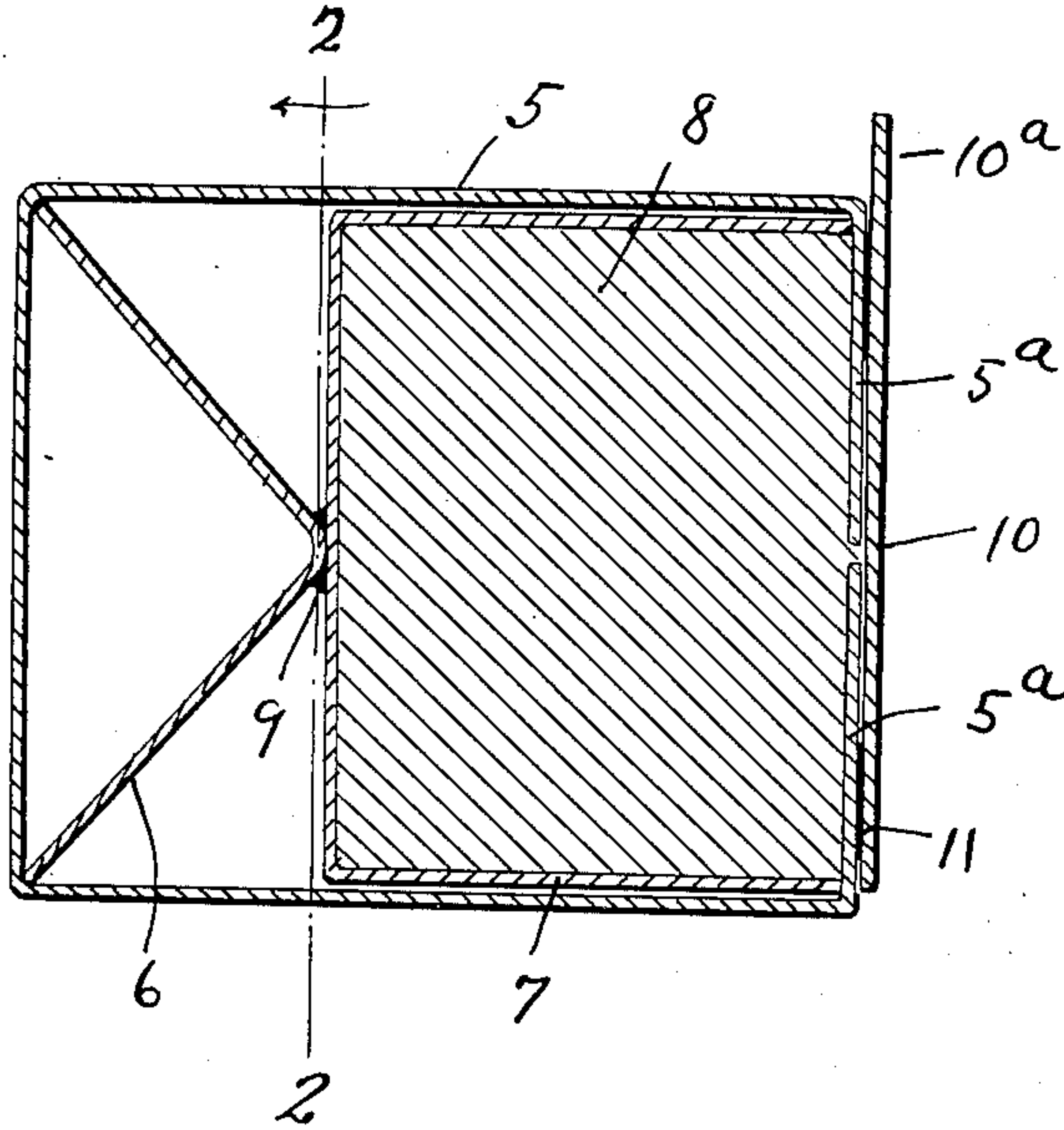
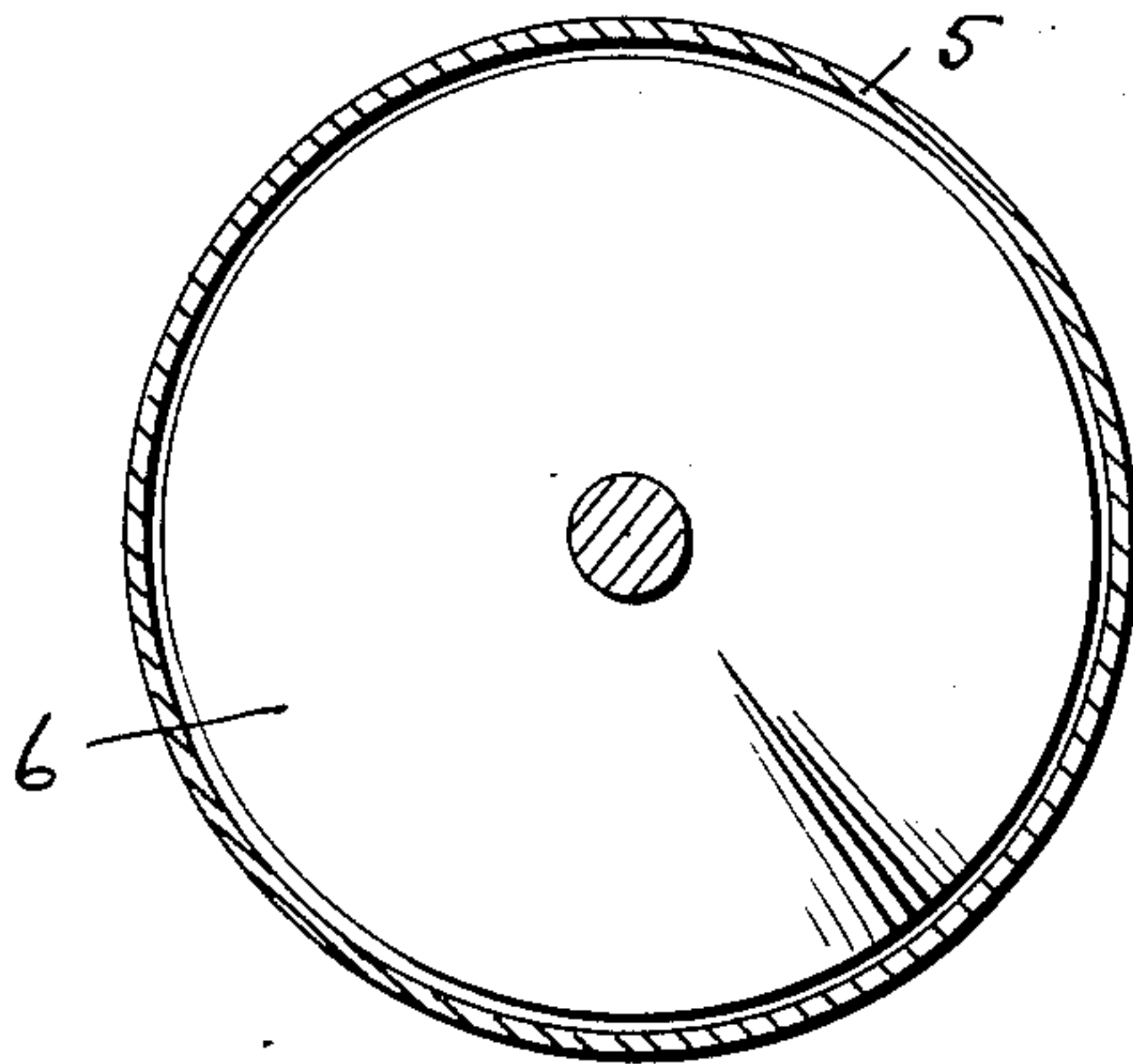


Fig. 2.



Inventor

Edwin M. Quimby

By *Clarence A. O'Brien*
Attorney

UNITED STATES PATENT OFFICE

EDWIN M. QUIMBY, OF COLUMBIA, SOUTH CAROLINA

COLLAPSIBLE CONTAINER

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This invention relates to collapsible containers and particularly to such containers adapted for holding tooth paste, shaving cream, face cream and articles of a like nature.

In accordance with the present invention there is provided a collapsible container that is somewhat in the nature of a capsule, and is formed from a destructible material so that after the contents of the container have been used the latter may be readily destroyed.

The invention together with its numerous objects and advantages will be best understood from a study of the following description taken in connection with the accompanying drawing wherein:

Figure 1 is a sectional longitudinal view through the capsule, and

Figure 2 is a transverse sectional view taken substantially on the line 2—2 of Figure 1 and looking in the direction of the arrow.

The container forming the subject of the present invention is shown enlarged in the drawing, and consists of a cylinder 5 formed of any suitable destructible material, such as "cellophane", paper or other suitable material. "Cellophane" is a hydrated cellulose product very similar to paper, containing enough water to make it transparent. It may be produced by prolonged beating of pulp or by chemical means. It is defined in Classification and Definitions of Paper by C. J. West, revised edition 1928, published by The Lockwood Trade Journal Co. Inc. New York City. The cylinder 5 is closed at one end and arranged in said cylinder at said closed end is a substantially conical support 6 formed of cardboard or other suitable material, and as shown in the drawing support 6 is disposed with its base immediately adjacent the end wall of the cylinder.

A substantially cylindrical tray 7 is also opened at one end and is adapted to contain the paste 8. Paste 8 may be in the nature of tooth paste, face cream or the like. The exterior diameter of the tray 7 is slightly less than the interior diameter of the cylinder 5 and fits within the cylinder as shown.

At its inner closed end the tray 7 is secured to the support 6 at the apex of the latter by cement 9 or other adhesive material.

With the tray 7 in proper position within the cylinder 5 the wall of the cylinder at its open end is turned inwardly as at 5a and is pressed into the paste 8 so as to be retained in inward folded position and thereby substantially close the open end of the tray 7.

A closure disk 10 of suitable material, preferably of destructible material, and if desired of the same material as the cylinder 5 is provided and as shown in the drawing when the disk 10 is placed in proper position a portion of the same is in direct contact with the paste 8 and unites therewith.

Other portions of the closure disk 10 are united with the folded end portions 5a of the cylinder by cement or other adhesive substance 11. Thus it will be seen that the disk 10 is secured in closing position against casual movement relative to both the cylinder 5 and the tray 7. A portion of the closure disk 10 projects laterally beyond one side of the cylinder 5 to provide a tab 10a adapted to be held between the thumb and forefinger to effect a removal of the disk 10.

Preferably, the tray 7 will hold only enough cream or paste 8 as is sufficient for, in the case of face cream, a single application, or in the case of tooth paste only so much as is needed for one cleansing of the teeth.

In use the cover disk 10 is first removed and to eject the paste 8 opposed portions of the wall of cylinder 5 in the region of the support 6 is collapsed inwardly between the forefinger and thumb, sufficient pressure being applied to collapse the support 6.

As the support 6 thus becomes crushed or flattened the cream 8 is forced outwardly of the tray 7, and the entire contents of the tray 7 will be discharged for use.

Even though I have herein shown and described the preferred embodiment of the invention, it is to be understood that the same is susceptible of further changes, modifications and improvements coming within the scope of the appended claims.

Having thus described my invention, what I claim as new is:

1. A collapsible container comprising a flexible cylinder closed at one end, a cream holding tray arranged in said cylinder, and a conical support arranged in said cylinder between the opposed end walls of said cylinder and tray.

2. A collapsible container comprising a cylinder of pliable material closed at one end and open at its other end, a cream holding tray closed at one end and arranged within said cylinder, and a collapsible conical support arranged within the closed end of the cylinder and united at its apex with the closed end of the tray.

3. A collapsible container comprising a cylinder of pliable material closed at one end and open at its other end, a cream holding tray closed at one end and arranged within said cylinder, and a collapsible conical support arranged within the closed end of the cylinder and united at its apex with the closed end of the tray, and said cylinder adjacent its open end having the wall thereof folded over the open end of said tray and united with the contents of said tray.

4. A collapsible container comprising a cylinder of pliable material closed at one end and open at its other end, a cream holding tray closed at one end and arranged within said cylinder, and a collapsible conical support arranged within the closed end of the cylinder and united at its apex with the closed end of the tray, said cylinder adjacent its open end having the wall thereof folded over the open end of said tray and united with the contents of said tray, and a sealing disk having a portion thereof applied directly to the exposed contents of the tray and having other portions thereof united with the folded wall portion of said cylinder.

5. A collapsible container having an end wall, a tray mounted in the container for sliding movement and a normally expanded laterally collapsible support arranged within the container between said end wall and said tray.

In testimony whereof I affix my signature.
EDWIN M. QUIMBY.

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