Oct. 28, 1941. J. V. SPENCER 2,260,346

DEVICE FOR SUPPORTING COLLAPSIBLE TUBES AND DISPENSING THE CONTENTS THEREOF

Filed May 14, 1940

Fig. 1.

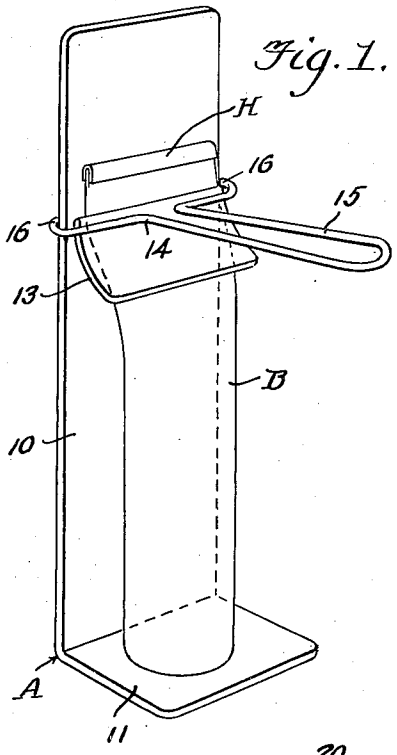


Fig. 2.

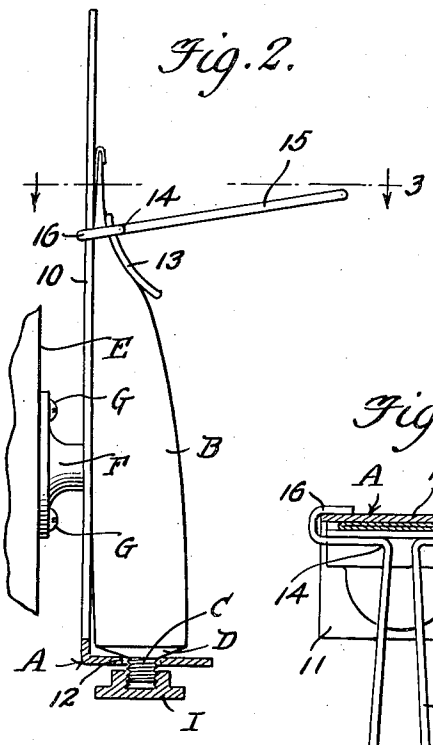


Fig. 3.

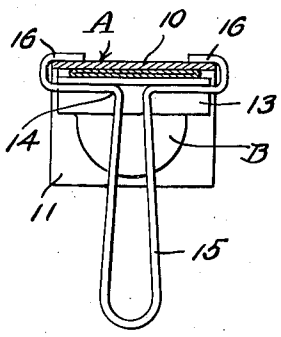


Fig. 4.

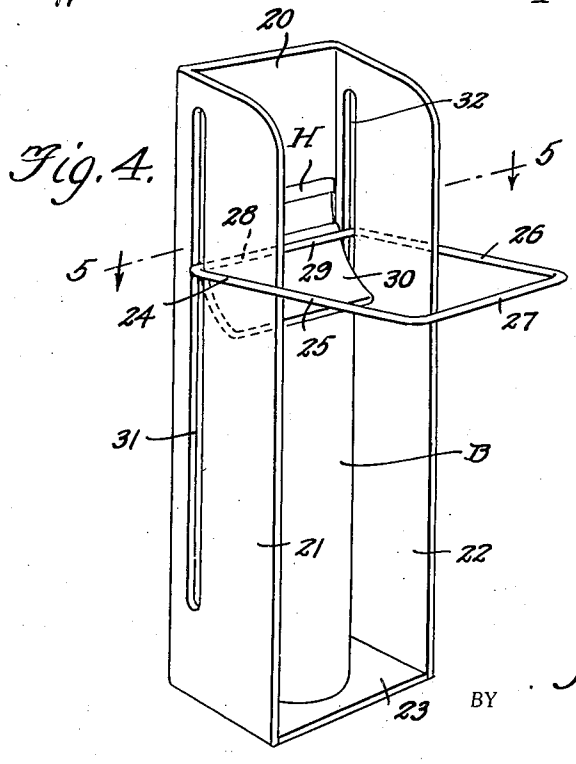
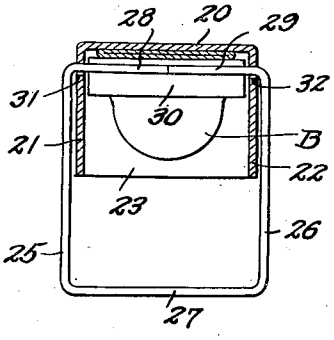


Fig. 5.



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DEVICE FOR SUPPORTING COLLAPSIBLE TUBES AND DISPENSING THE CONTENTS THEREOF

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Application May 14, 1940, Serial No. 335,054

4 Claims. (Cl. 221—60)

This invention refers to a device for supporting a collapsible tube and for dispensing the contents thereof and is directed to an improved device of the indicated character.

The invention broadly comprehends a device for supporting a collapsible tube in an inverted position with the outlet neck thereof disposed downwardly and with a rockable pressure element associated with the tube support for longitudinal and downward sliding movement with reference thereto to provide means for progressively flattening the tube against the support from the closed upper end thereof so as to effectually extrude the contents therefrom through the outlet neck.

More particularly the invention resides in the provision of a simplified and improved means for associating the pressure means and its manipulating handle with the tube support so as to permit of the relative rocking and sliding movement thereof.

With these and other objects in view, the invention is set forth in greater detail in the following specification and illustrated in the accompanying drawing, in which:

Fig. 1 is a perspective view of the improved supporting and dispensing device illustrating a collapsible tube in operative position thereon.

Fig. 2 is a side view of the same with parts broken away and shown in section to disclose the underlying structure.

Fig. 3 is a horizontal sectional view therethrough taken approximately on the line 3—3 of Fig. 2.

Fig. 4 is a perspective view of a supporting and dispensing device constructed in accordance with the modified form of the invention.

Fig. 5 is a horizontal sectional view therethrough taken approximately on the line 5—5 of Fig. 4.

Referring to the drawing by characters of reference, the supporting and dispensing device includes a substantially L-shaped bracket designated generally by the reference character A which is fashioned from a length of sheet material bent upon itself to provide a vertical portion 10 of a width which slightly exceeds the width of a collapsible tube B when the same is flattened and which is longer than the length of the tube.

The bracket includes a horizontal portion 11 at its lower end which is provided with a substantially centrally disposed opening 12 of a size to freely accommodate therethrough the threaded outlet neck C of the collapsible tube so that the same may protrude downwardly therethrough when the tube B is supported in an inverted position with the lower breast portion D of the tube resting upon the horizontal portion 11 of the bracket A. The bracket may be supported in any desired manner from a wall or vertical supporting surface E, but as herein illustrated the vertical portion 10 is provided with a rearwardly directed attaching element F which is secured by screws or equivalent fastening elements G thereby spacing the bracket A from the wall or surface E.

In the form of the invention illustrated in Figs. 1, 2 and 3, a pressure element 13 is provided which is in the nature of an arcuate plate having the convex surface disposed towards the collapsible tube B, said plate being rigidly secured adjacent its upper end to a bail 14 defining an outwardly protruding manipulating handle 15 and having rearwardly and inwardly directed hooked terminals 16 which embrace the opposite side edges of the vertical portion 10 of the bracket A so as to associate the bail and pressure plate 13 with the bracket portion 10 for rocking and sliding movement with reference thereto.

In use and operation after the collapsible tube B is supported in an inverted position as illustrated, with the neck C protruding through the opening 12, the pressure plate 13 and bail 14 are moved downwardly over the closed upper end H of the tube and it will be appreciated that by manipulating the handle 15 to rock the bail and pressure plate downwardly, the contents of the tube will be extruded through the outlet neck C onto a suitable applicator, such as a tooth brush or shaving brush. By progressively sliding the bail and pressure element 13 downwardly, the collapsible tube B will be flattened against the vertical portion 10 of the bracket to effectually dispense the contents of the tube. The usual cap I of the collapsible tube B may be threadedly engaged over the protruding portion of the neck C to close the tube when not in use.

In the form of the invention illustrated in Figs. 4 and 5 of the drawing, the bracket or support for the collapsible tube B is of substantially box-like formation having an open front and upper end and consists of a vertical rear wall 20, forwardly extending opposite side walls 21 and 22 and a horizontal lower wall 23. In this instance the bail 24 includes side arms 25 and 26 joined by a forward connecting or bight portion 27 and inwardly directed terminal portions 28 and 29 which are rigidly secured to the pressure ele-

ment 30. The terminals 28 and 29 extend through vertical slots 31 and 32 which are provided in the side walls 21 and 22 in order to associate the pressure element 30 and bail with the bracket or support for rocking and sliding movement with reference thereto. In other respects the purpose and mode of operation of the device is identical with that described for the previous form of the invention.

What is claimed is:

1. A holder and dispensing device for collapsible tubes comprising a substantially L-shaped bracket including a vertical portion and a horizontal portion at the lower end thereof having an opening for receiving therethrough the neck at the outlet end of the collapsible tube, a bail providing a handle and having integral means for associating the same with the vertical portion of the bracket for sliding and rocking movement with reference thereto, and an arcuate pressure blade rigidly secured to the bail for squeezing and flattening the tube against the vertical portion of the bracket progressively from the upper closed end towards the lower outlet end upon rocking and sliding movement of the bail.

2. In a holder and dispensing device for collapsible tubes, a substantially L-shaped bracket having a lower apertured horizontal portion upon which the tube is mounted in inverted position and through the aperture of which the outlet neck of the collapsible tube protrudes and an upstanding vertical portion against which the body of the tube engages, and means for progressively squeezing and flattening the tube against the vertical portion from the upper closed end towards the lower outlet end comprising an arcuate pressure blade, a bail having a looped handle and lateral arms rigidly secured to the upper portion of the blade and engaging with the vertical portion of the bracket for associating the bail and blade therewith for longitudinal sliding and rocking movement on said bail arms as fulcrums.

3. In a holder and dispensing device for collapsible tubes, a substantially L-shaped bracket having a lower apertured horizontal portion upon which the tube is mounted in inverted position and through the aperture of which the outlet neck of the collapsible tube protrudes and an upstanding vertical portion against which the body of the tube engages, and means for progressively squeezing and flattening the tube against the vertical portion from the upper closed end towards the lower outlet end comprising an arcuate pressure blade, a bail having a looped handle and lateral outwardly directed arms rigidly secured to the upper portion of the blade and formed with rearwardly and inwardly directed hooked terminals embracing the opposite vertical side edges of the vertical portion of the bracket to associate the pressure blade therewith for longitudinal sliding and rocking movement on said bail terminals as fulcrums.

4. In a holder and dispensing device for collapsible tubes, a bracket having a rear wall, forwardly directed side walls formed respectively with aligned vertical slots adjacent the juncture of the side walls with the rear wall and a lower horizontal end wall having an aperture, said bracket adapted to receive therein the collapsible tube in an inverted position with the outlet neck protruding downwardly through the aperture of the lower end wall, and means for progressively squeezing and flattening the tube against the rear wall of the bracket from the upper closed end thereof to the lower outlet end comprising an arcuate pressure blade and a bail having side arms connected at their forward end and having lateral inwardly directed terminals extending through the side wall slots and rigidly attached to the pressure blade adjacent the upper end thereof for associating the pressure blade with the bracket for longitudinal sliding and rocking movement.

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