June 25, 1935. A. R. WEISSFLOG 2,005,762

DISPENSING UNIT

Filed Oct. 24, 1933

Fig-2.

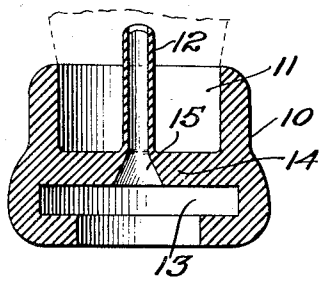


Fig-3.

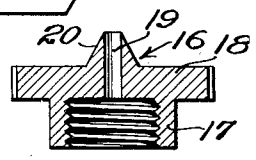
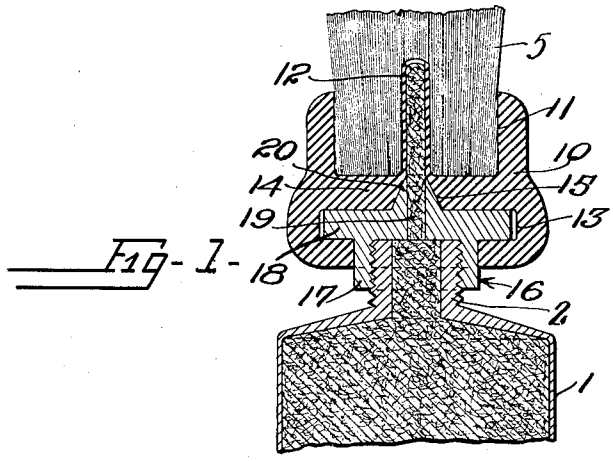


Fig-1.



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WITNESS:
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DISPENSING UNIT

Arthur Richard Weissflog, Pittsburgh, Pa.

Application October 24, 1933, Serial No. 695,045

1 Claim. (Cl. 15—135)

This invention relates to dispensing units and has for the primary object the provision of a device especially adapted for attachment to a standard type of collapsible tubes to act as a discharge medium or nozzle therefor so that the contents of the tube may be obtained or utilized without liability of waste.

With these and other objects in view this invention consists in certain novel features of construction, combination and arrangement of parts to be hereinafter more fully described and claimed.

For a complete understanding of my invention, reference is to be had to the following description and accompanying drawing, in which

Figure 1 is a fragmentary vertical sectional view illustrating a dispensing unit attached to a standard type of collapsible tube and which unit is in the form of a brush.

Figure 2 is a vertical sectional view illustrating the unit.

Figure 3 is a vertical sectional view showing an adapter.

Referring in detail to the drawing the numeral 1 indicates a conventional type of collapsible tube having a screw threaded discharge neck 2 to which my invention is adaptable.

The body is indicated by the character 10 and is preferably constructed of rubber recessed, as shown at 11, to receive the bristles 5 and extending from the inner wall of the recess is the discharge tube 12. The body 10 is provided with a recess 13 of two diameters of different sizes. The recesses 13 and 11 are separated by a wall 14 provided with a port 15 flared in the direction of the recess 13. An adapter 16 consists of an internally screw threaded neck 17 for attachment to the neck of the tube 1 and a disc-like body 18 adapted to fit within the largest diameter of the recess 13 while the smaller diameter of said recess accommodates the neck 17. A passage 19 extends through the disc-like portion 18 and the latter upon one face is provided with a tapered lug 20 having the passage 19 extending therethrough. The lug 20 fits in the flared opening 15 so that the contents of the tube 1 may be readily directed into and through the tube 12. With the body 10 removed from the adapter 16, the latter then may be employed as a discharge medium or nozzle to aid in directing the contents of the tube 1 onto a toothbrush or similar device.

While I have shown and described the preferred embodiment of my invention, it will be understood that minor changes in construction, combination and arrangement of parts may be made without departing from the spirit and scope of my invention, as claimed.

Having described the invention, I claim:

A dispensing unit comprising a body, a wall integral with the body and dividing the latter into recesses and provided with a conical-shaped opening, a flexible tube integral with the wall about said opening and extending outwardly of the body by way of one of said recesses, bristles mounted to the body about said tube, said other recess having a restricted portion, a fitting mounted in said last-named recess and extending outwardly of the latter by way of the restricted portion and adapted for connection to a neck of a collapsible tube, said fitting having a passage therethrough, and a hollow conical-shaped portion integral with the fitting about the passage and having seated engagement with the walls of the conical-shaped opening.

ARTHUR RICHARD WEISSFLOG.