

Dec. 5, 1933.

B. P. HANNA
PASTE DISPENSER

1,937,567

Filed May 21, 1932

FIG. 2.

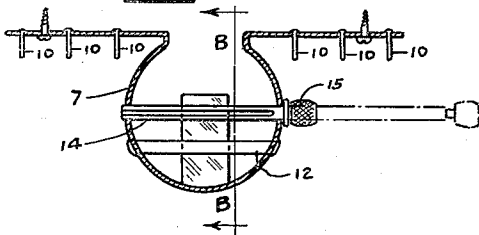


FIG. 1.

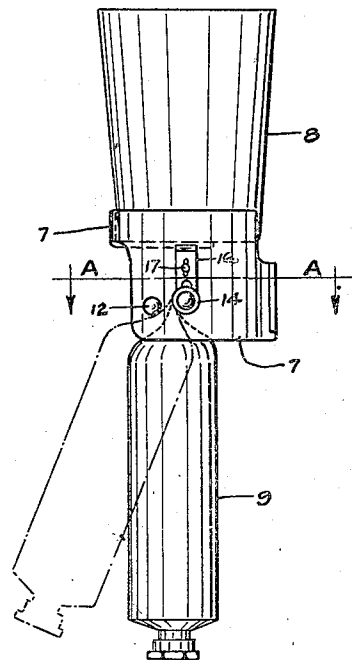


FIG. 3.

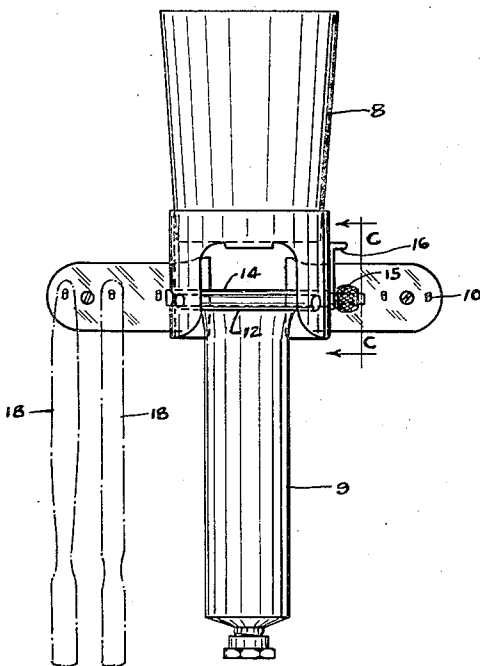


FIG. 4.

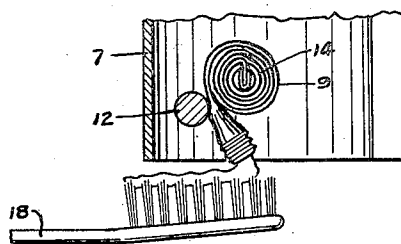


FIG. 5.

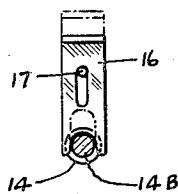
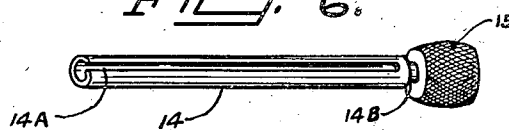


FIG. 6.



INVENTOR
BEATTY P. HANNA
BY
Geo. F. Ballay
ATTORNEY

UNITED STATES PATENT OFFICE

1,937,567

PASTE DISPENSER

Beatty P. Hanna, Oakland, Calif.

Application May 21, 1932. Serial No. 612,666

3 Claims. (Cl. 221-60)

This invention relates to that class of paste dispensers that are provided for dispensing shaving creams, toothpastes and the like out of collapsible tubes.

5 It is one of the objects of the present invention to provide an exceptionally simple and inexpensive device of the character described that is so constructed as to make it possible to be manufactured out of ordinary sheet metal, and to
10 thereby reduce the manufacturing costs to a minimum.

The invention especially relates to an improved device for dispensing shaving creams, toothpastes, and the like, and as it is a bathroom
15 novelty that will keep the shaving cream and tooth-paste tubes in a desirable position where they will always be ready for use, it is also another object of the invention to form the device in such a manner that will enable it to hold an
20 ordinary drinking glass, and to thereby combine two novelties in one, without any additional expense.

The invention further consists in the particular combination, construction and association of the
25 different parts such as described in the following specification, and possesses various other objects and features of advantage, some of which with the foregoing, will be made manifest in the following description of the preferred form of
30 the invention that is illustrated in the drawing accompanying and forming part of the specification.

It is to be understood that it is not intended to limit the invention to the embodiment or to
35 the exact form as shown in the drawing and description as variations may be adapted within the principle of the invention as set forth in the claims.

In the accompanying drawing:

40 Figure 1 is a side elevational view of the invention, and shows the preferred method of construction that is used for holding a paste tube and a drinking glass, and also illustrates how the
45 paste tube is moved forwardly whenever it is desired to operate the device to dispense the paste out of the tube.

Figure 2 is a cross sectional view, on line A—A
50 of Fig. 1, of a slightly modified form of the invention in that the front wall portion of the central cylindrical body portion is continuous with its side walls and without the gap formed therein as shown in Fig. 1.

Figure 3 is a front view of the device, and
55 shows how the glass and tube are held, and also

how toothbrushes may be held thereon, and illustrates the preferred form of the invention.

Figure 4 is an enlarged sectional view taken on line B—B of Figure 2, and shows the preferred
60 construction that is used for dispensing the paste out of a tube.

Figure 5 is a sectional view taken on line C—C of Figure 3, looking in the direction indicated by the arrows, and shows a fastening means for
65 detachably holding the operating handle of the device in position.

Figure 6 is a perspective view of the handle that is provided for holding a paste tube, and which is constructed in such a manner that will
70 enable the end of the paste tube to be detachably fastened to the handle and to be wound there-around when the handle is turned.

Figures 2 and 4 show a slight modification over the preferred form shown in Figs. 1 and 3, in that the front wall of the centrally disposed
75 cylindrical body portion of the device is continuous with its side walls, while in the preferred form shown in said Figs. 1 and 3, part of the front wall is cut away to provide a gap in its lower
80 margin to facilitate projecting the paste tube into said body portion.

Referring in detail to the different parts wherein like reference numerals designate parts
85 throughout the several views, the numeral 7 designates the body of the device which is preferably constructed out of sheet metal, and is formed as shown in Figures 2 and 3. This construction makes it a very simple operation to
90 form the body with an ordinary die, and enables it to hold an ordinary drinking glass in the upper portion of the body, and also to hold an ordinary
95 collapsible paste tube in the lower portion of the body directly underneath said glass. The numeral 8 designates the glass or tumbler, and the numeral 9 designates the collapsible paste tube. The body 7, is formed in a manner that will enable it to be easily fastened to the wall of an
100 ordinary bathroom as shown in Figure 2, and is provided with a plurality of pins 10, which will serve as suitable hangers for holding tooth brushes.

Various forms of construction may be used for dispensing the paste out of the tubes, but the preferred form it is desired to use is illustrated
105 in Figures 1, 2, and 4, and consists in providing a stationary pin 12, through the body of the device and providing a handle 14, that is also made in the form of a pin, and revolvably mounting the said handle through the body of the device in such a manner that when the end of a paste
110

tube is fastened on said handle and the handle is revolved, the tube will be wound around the handle and will be drawn upwardly between the pin 12, and the handle, and will take the position as shown dotted in Figure 1, which will cause the paste to be forced out of the bottom of the tube. The handle 14 is preferably made out of ordinary brass tubing, and is provided with a slot 14—A, that longitudinally extends therein, as shown in Figure 6, the said slot being constructed to receive the flat end of a paste tube, and to hold the tube on the handle in such a manner as will enable the tube to be wound around the handle, when the handle is turned. The numeral 15 designates a knob which may be in any suitable form to serve the purpose of the invention. The diameter of the end of the handle, or pin 14, is reduced as shown in Figure 6, and forms a circular groove 14—B that is provided for the purpose of enabling a catch 16, to fit in a portion of said groove and detachably hold the handle 14 in the body of the device. The catch 16 is preferably formed as shown in Figure 5, and is slidably held on a pin 17 that is substantially fastened on the body of the device. It will readily be seen that when the catch 16 is raised to a position where it will be free from the groove 14—B, the handle 14 may be easily removed longitudinally out of the body of the device, and it will also be seen that when the said catch is moved downwardly to a position where it will engage in the said groove, 14—B, it will hold the said handle in the body of the device. When all of the paste is dispensed out of a tube as shown in Figure 4, the handle is drawn out of the body and the tube, after which it is placed back in the body, and a new tube fastened in position thereon. The numeral 18 designates a tooth-brush and the view shown in Figure 4 illustrates what a simple matter it is to dispense the paste on the brush.

It is very important in the present invention that the pin 12 and revolving handle 14 be relatively arranged in such a manner with respect to each other that the paste tube will be caused to be moved outwardly as shown dotted in Figure 1 when the handle is revolved to dispense the paste out of the tube. This is accomplished by preferably arranging the handle 14 slightly above the pin 12, and by providing sufficient space between the pin and handle to allow for the proper movement of the tube. In other words, the tube swings outwardly toward the user each time the handle is revolved to dispense the paste out of the tube.

From the foregoing, it will be seen that the invention is simple, is exceptionally inexpensive to manufacture, and will serve as an attractive and useful novelty in any bathroom. The combination of its usefulness in holding both a paste

tube and a tumbler is very advantageous and desirable. It may be used not only in bathrooms in private homes, but also may be used in hotels, apartment houses, and the like. The device can be easily colored to match the particular color of the bathroom, which will make it ornamental as well as useful.

Having thus illustrated and described a certain form of construction and arrangement of parts pertaining to the invention, it is desired to include in this application for Letters Patent of the United States of America, any and all patentable novelty that exists in the illustration and description disclosed, and all that comes within the principle of the invention, as set forth in the claims hereinafter mentioned.

What is claimed:

1. In combination, a centrally disposed cylindrical hollow body portion, a tubular tube-supporting handle projecting horizontally through a mid portion of said body portion and having its ends revolvably supported by the opposed side walls thereof, said handle being open at one end and terminating at its other end in means adapted to be engaged by the hand for operatively revolving it, said handle having a circumferentially extending groove adjacent said means, and a catch movably supported by said body portion, said catch operatively movable into said groove for normally limiting longitudinal movement of said handle in one direction relative to said body portion, said handle having a slot extending from said open end longitudinally a distance along one side and terminating adjacent said groove, said slot adapted for engaging and holding one end of a paste tube.

2. The combination with a centrally disposed hollow body portion open at its upper and lower ends, of a tubular tube-supporting and tube-squeezing handle projecting horizontally through a mid part of said body portion and revolvably supported by opposed side walls thereof, and a catch vertically movably supported by said body portion and operatively movable into bodily engagement with said handle for restricting the latter's longitudinal movement in one direction relative to said body portion.

3. In a device of the character described, a tubular body portion having a tubular tube-supporting handle projecting through opposed portions thereof and revolvably supported thereby, means carried by said body portion movable into engagement with said handle for limiting longitudinal movement thereof relative to said body portion, and a pair of wing-like members projecting laterally outwards from opposed sides of said body portion, said members functionable for securing said body portion to a support.

BEATTY P. HANNA. 135