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L. B. PIERSON ET AL

1,936,261

FOUNTAIN SHAVING BRUSH

Original Filed Aug. 29, 1931

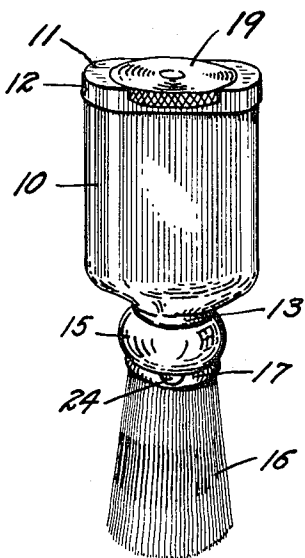


FIG 1

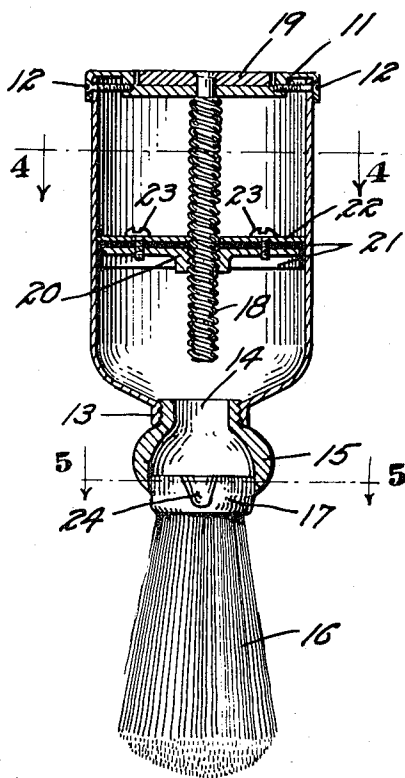


FIG 2

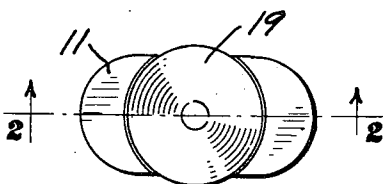


FIG 3

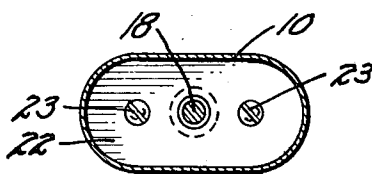


FIG 4

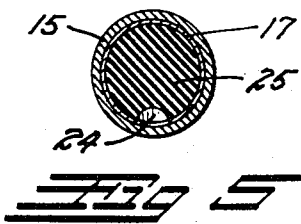


FIG 5

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FOUNTAIN SHAVING BRUSH

Leonard B. Pierson, Emmett R. Dawson, and
Howard S. Coulter, Denver, Colo.Application August 29, 1931, Serial No. 560,190
Renewed April 14, 1933

2 Claims. (Cl. 15—137)

This invention relates to a fountain shaving brush and has for its principal object the provision of a highly efficient, neat and compact brush of this character, the handle of which may be used to contain shaving cream or the like and in which an efficient mechanism will be incorporated for expelling the cream from the handle through a convenient orifice from which it may be deposited upon the face of the user.

Another object of the invention is to so construct the device that it can be easily and quickly refilled with shaving cream or the like.

A still further object of the invention is to provide a construction which will have a minimum of parts so that it can be economically manufactured.

Other objects and advantages reside in the detail construction of the invention, which is designed for simplicity, economy, and efficiency. These will become more apparent from the following description.

In the following detailed description of the invention reference is had to the accompanying drawing which forms a part hereof. Like numerals refer to like parts in all views of the drawing and throughout the description.

In the drawing:

Fig. 1 is a perspective view illustrating the improved shaving brush.

Fig. 2 is a vertical section therethrough taken on the line 2—2, Fig. 3.

Fig. 3 is a top view of the invention.

Fig. 4 is a horizontal section taken on the line 4—4, Fig. 2.

Fig. 5 is a horizontal section taken on the line 5—5, Fig. 2.

The invention comprises a container 10 which serves as the handle for the brush. The container is closed at its top by means of a cap member 11 secured thereon by suitable screws 12. The bottom of the container 10 is funnel shaped terminating in a threaded sleeve 13. The sleeve 13 is arranged to receive a threaded nipple 14 formed upon a hollow brush base member 15. The bristles of the brush, indicated at 16, are held in a rubber binder 25 cast within a ferrule 17 which in turn is pressed or otherwise secured into the brush base member 15.

A threaded rod 18 is journaled in the cap member 11 and projects downwardly through the middle of the container 10. The upper extremity of the rod 18 is riveted or otherwise fixedly secured to a knurled button 19. The button 19 fits snugly into a recess formed in the cap so that its

knurled edges will project at each side of the cap, as shown in Figs. 1 and 3.

A piston member 20, having a contour to conform to the interior of the container 10, is threaded onto the threaded rod 18. A cup washer 21 fits over the piston member 20 and projects downwardly around the edges thereof. The cup washer 21 is clamped in place on the piston member 20 by means of a piston plate 22 and suitable clamp screws 23. Thus, it can be readily seen that when the button 19 is rotated the piston assembly will move upwardly or downwardly in the container 10.

To fill the container, the button 19 is rotated to bring the piston against the cap 11. The brush base 15 is then unscrewed from the sleeve 13 and shaving cream or similar material is squeezed into the hollow interior of the container 10 through the sleeve 13. The brush base is then screwed into place.

In use, the button 19 is rotated so as to cause the piston to move downwardly and force the cream from the container 10 into the brush base member 15, from whence it exits through a discharge notch 24 formed in the side of the brush ferrule 17. The notch 24 turns the core of exuding paste outwardly in a convenient location to enable it to be wiped upon the face and beard of the user. The cream is then distributed over the beard by means of the brush 16.

It is desired to call attention to the fact that the paste is not forced through the brush itself. Attempts to do the latter have not been satisfactory owing to the fact that the paste will dry and harden in the brush bristles unless completely washed out after each use and if completely washed out each time a great wastage of the paste will result. With the present invention, however, there is no waste and no drying or hardening of the paste adjacent the base of the brush bristles.

It will be noted that the container 10 has a flattened or eccentric cross section. This eccentricity is for the purpose of preventing the piston assembly from rotating in the container with the threaded rod. In this way all keys, feathers, rods, etc. usually employed for such a purpose are rendered unnecessary.

After using, the button 19 can be reversed which will create a partial vacuum in the lower part of the container and draw in any paste remaining in the passage or notch 24 so that it will not harden and clog the passage. Further reversal of the button will draw the paste from the brush base 15 so that when the brush is removed there will

be no waste of paste. The paste itself acts as a lubricant for moving parts so that after being once filled the device is extremely easy to operate.

It is desired to call attention to the particular construction and shape of the notch 24. This notch is formed through the ferrule 17 and into the rubber binding 25 which holds the bristles of the brush 16 as shown in Fig. 5. It is wider and deeper at its upper portion. The bottom of the notch tapers outwardly at the bottom. This shape is very important. It acts to slightly compress the paste as it moves downwardly in the notch. When the paste reaches the lower extremity of the notch it is no longer confined by the base member 15 so that its compression will cause it to expand outwardly and result in an outwardly curving core of paste, which can be conveniently wiped upon the face of the user.

Notches of other shapes have been tried but they all result in causing the paste to cling and pile around the brush base instead of curving freely outward.

While a specific form of the improvement has been described and illustrated herein, it is desired to be understood that the same may be varied, within the scope of the appended claims, without departing from the spirit of the invention.

Having thus described the invention, what is

claimed and desired secured by Letters Patent is:—

1. A brush member for attachment to the container of a fountain shaving brush comprising: a hollow brush base arranged to be threaded into said container; a ferrule secured in said brush base; bristles secured in said ferrule, there being a notch in the side of said ferrule to allow material to discharge between said ferrule and said base, said notch terminating immediately beyond said base so that the unnotched extremity of said base will curl the discharging material outwardly from said bristles.

2. A fountain shaving brush comprising: a container having a flattened cross section; a threaded sleeve at one extremity of said container; a brush assembly arranged to be threaded into said threaded sleeve, said assembly having a passage for the discharge of material from said container; a cap member arranged to close the other extremity of said container; a circular depression in said cap member opening to both sides thereof; an operating button carried in said depression so as to be exposed through the open sides of said depression; a threaded rod secured to said operating button and extending into said container and a piston threaded on said threaded rod.

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