E. C. RIPLEY.

SHAVING BRUSH.

APPLICATION FILED NOV. 30, 1908.

919,466. Patented Apr. 27, 1909.

Fig. 1.

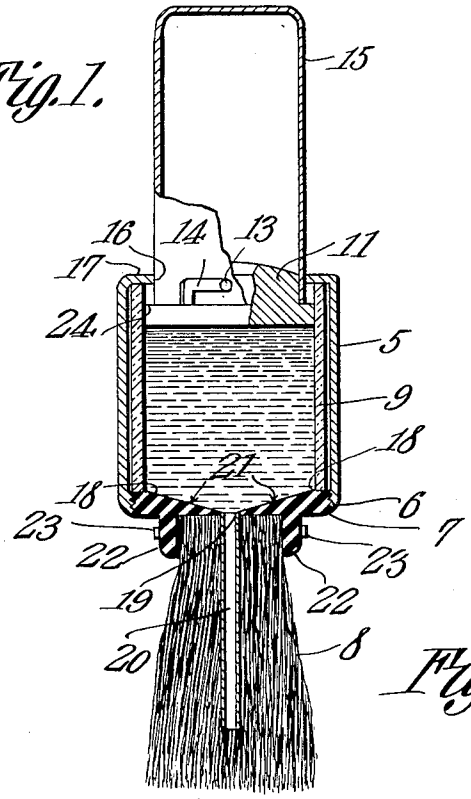


Fig. 2.

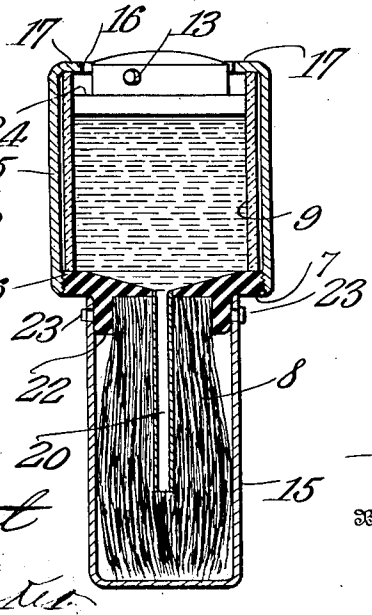


Fig. 3.

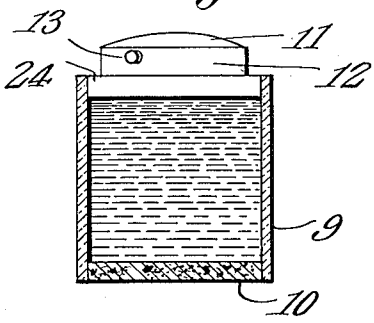
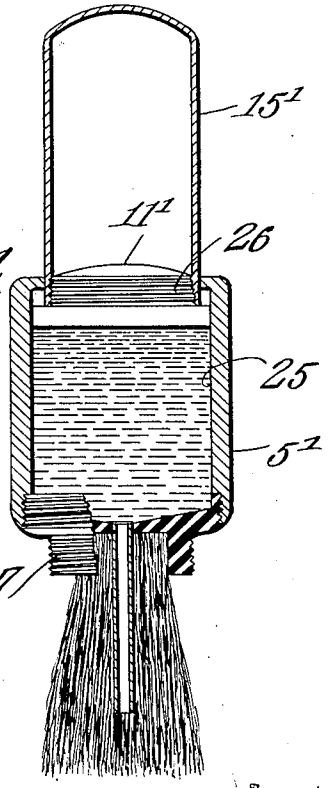


Fig. 4.



Witnesses

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SHAVING-BRUSH.

No. 919,466. Specification of Letters Patent. Patented April 27, 1909.

Application filed November 30, 1908. Serial No. 465,010.

To all whom it may concern:

Be it known that I, EARLE C. RIPLEY, a citizen of the United States, residing at Sherman, in the county of Chautauqua and State of New York, have invented a new and useful Shaving-Brush, of which the following is a specification.

This invention relates to shaving brushes and more particularly to that class of shaving brush known in the art as fountain brushes.

The object of the invention is to provide a shaving brush in which provision is made for feeding soap paste or cream to the brush bristles so that the face may be readily lathered without the necessity of employing the usual soap-holding mug.

A further object is to provide a shaving brush having a chamber or magazine for the reception of a soap-holding cartridge, the soap paste in the cartridge being fed to the bristles when a longitudinal pressure is exerted on the brush handle.

A still further object of the invention is generally to improve this class of devices so as to increase their utility, durability and efficiency as well as to reduce the cost of manufacture.

Further objects and advantages will appear in the following description, it being understood that various changes in form, proportions and minor details of construction may be resorted to within the scope of the appended claims.

In the accompanying drawings forming a part of this specification:—Figure 1 is a longitudinal sectional view of a fountain shaving brush constructed in accordance with my invention. Fig. 2 is a similar view showing the brush handle removed from the plunger and forming a housing for the brush bristles. Fig. 3 is a vertical sectional view of the soap-holding cartridge removed with the plugs or closures in position. Fig. 4 is a similar view illustrating a modified form of the invention.

Similar numerals of reference indicate corresponding parts in all of the figures of the drawings.

The improved shaving brush forming the subject matter of the present invention comprises a casing or housing 5 preferably cylindrical in shape, as shown, and having its interior walls threaded at 6 for engagement with a brush-head 7, carrying the bristles 8. The interior of the casing 5 forms a chamber or magazine for the reception of a cartridge 9 adapted to contain a quantity of soft soap, which latter is fed to the brush bristles in the manner hereinafter described. The cartridge 9 comprises a cylindrical shell preferably formed of glass and having one end thereof closed by a cork 10 and its opposite end provided with a closure 11, the latter constituting a plunger for feeding the soap-paste to the brush bristles when the cartridge is placed in the casing 5. The plunger 11 is provided with a reduced extension 12 to the peripheral edge of which are secured locking pins or studs 13 arranged to enter suitable bayonet slots 14 formed in the brush handle 15. The brush handle 15 is preferably hollow and passes through an opening 16 formed in the top of the casing 5, there being a flange 17 surrounding the opening 16 and adapted to bear against the upper edge of the cartridge 9 for locking the latter within the casing.

The upper surface of the brush-head 7 is provided with an annular shoulder 18 on which the lower edge of the cartridge 9 rests, there being an opening 19 formed in the center of the head 7 for the reception of a flexible tube 20 through which the soft paste in the cartridge 9 is fed to the bristles 8. That portion of the head 7 between the shoulder 18 and opening 19 is preferably inclined or beveled, as indicated at 21 in order to assist in feeding the soft paste to the tube 20.

The head 7 is provided with a depending extension 22 having spaced pins or lugs 23 secured thereto for engagement with the bayonet slots in the handle 15 when the latter is removed from the plug 12 and positioned over the brush bristles for the purpose of housing and protecting said bristles.

In loading or charging the brush the casing 5 is unscrewed from the head 7 and the cartridge 9 positioned within the casing, the closure 10 of said cartridge being first removed. The casing 5 is then threaded on the head 7 of the brush and the handle 15 passed through the opening 16 in said casing and partially rotated so as to cause the pins 13 on the plunger to enter the slots in said handle. With the parts in the position shown in Fig. 1 of the drawings, a slight longitudinal pressure exerted on the handle 15 will force the soap-paste through the tube 20 onto the brush bristles so that by dipping

the bristles in water and then applying the same to the face, an excellent lather may be had.

When the brush is not in use the bristles thereof may be readily housed and protected by detaching the handle 15 from the plunger 12 and causing the slots in said handle to engage the pin or lugs 23 on the head 7, as best shown in Fig. 2 of the drawings.

Attention is here called to the fact that the cartridge 9 by engagement with the flange 17 and shoulder 18 is positively locked against accidental displacement, while the plunger 11 forms a closure for one end of the cartridge when the latter is removed from the compartment in the brush casing.

By reference to Fig. 1 of the drawings, it will be seen that the extension 12 of the plunger forms a stop shoulder 24, which, by engagement with the lower face of the flange 17 serves to limit the longitudinal movement of the plunger and thus prevent accidental withdrawal of the same.

In Fig. 3 of the drawings there is illustrated a modified form of the invention in which the cartridge 9 is dispensed with, the soap-paste being placed directly in the compartment or chamber 25 of the casing 5′, the plunger 11′ being guided in its longitudinal movement by engagement with the interior walls of said casing. In this form of the device the handle 15′ is detachably combined with the plunger by providing the parts with interengaging threads 26, there being similar threads 27 formed on the extension of the brush head for engagement with the handle 15′ when the latter is removed from the plug 11′ and placed over the brush bristles to house and protect the same.

Having thus described the invention what is claimed is:—

1. A shaving brush including a casing having a soap-receiving chamber and provided at one end with an opening defining an inwardly extending flange, the opposite end of the casing being threaded, a brush-head engaging the threaded portion of the casing and provided with an opening leading to the brush-bristles, a hollow handle slidably mounted in the opening in said casing and provided with a plunger for feeding the soap through the opening to the brush-bristles, said handle when detached from the plunger forming a housing for the brush-bristles.

2. A shaving brush including a casing provided with a soap-holding chamber and having one end thereof provided with an opening defining an inwardly extending flange, a brush-head secured to the opposite end of the casing and provided with an opening in communication with the soap-holding chamber, and an operating handle passing through the opening in the casing and provided with a plunger for feeding the soap through the tube to the brush bristles, said flange by engagement with the plunger serving to limit the longitudinal movement of the handle.

3. A shaving brush including a casing having one end thereof provided with an opening defining an inwardly extending flange, a brush head forming a closure for the opposite end of the casing and provided with an opening, a tube seated in said opening and disposed between the brush bristles, a soap holding cartridge arranged within the casing, a handle slidably mounted in the opening in the casing, a plunger secured to one end of the handle for feeding the soap through the tube to the bristles, said flange serving to lock the cartridge against accidental displacement.

4. A shaving brush including a casing having one end thereof provided with an opening defining an inwardly extending flange and its opposite end threaded, a brush head engaging the threaded portion of the casing and provided with an opening leading to the brush bristles, a soap holding cartridge disposed within the casing, a handle slidably mounted in the opening in said casing and provided with a plunger for feeding the soap through the opening to the brush bristles, said handle when detached from the brush forming a housing for the brush bristles.

5. A shaving brush including a casing having one end thereof provided with an opening defining an inwardly extending flange and provided at its opposite end with interior threads, a brush-head engaging the threads on the casing and provided with an annular shoulder, said head being provided with an opening and having its upper surface between the annular shoulder and said opening inclined in the direction of the latter, a soap holding cartridge disposed within the casing, a handle slidably mounted in the opening in said casing and provided with a plunger for feeding the soap to the brush bristles, said flange serving to lock the cartridge in engagement with the shoulder on the brush head.

6. A shaving brush including a casing having an opening formed in one end thereof, a brush-head forming a closure for the other end of the casing and provided with an opening leading to the brush bristles, a soap-holding cartridge disposed within the casing, a plunger slidably mounted in the cartridge and provided with laterally extending pins, a handle having bayonet slots for engagement with said pins, and pins extending laterally from the brush-head for engagement with the bayonet slots in the handle when the latter is detached from the plunger.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

EARLE C. RIPLEY.

Witnesses:
WARREN B. WHITNEY,
FRED G. SAXTON.