

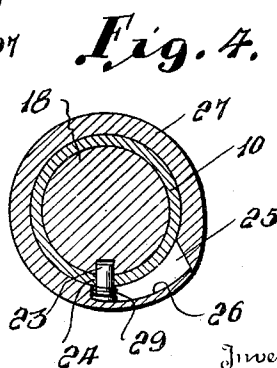
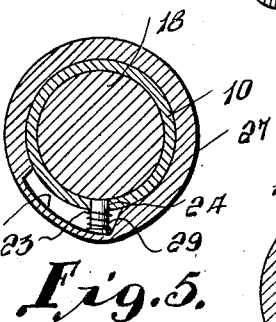
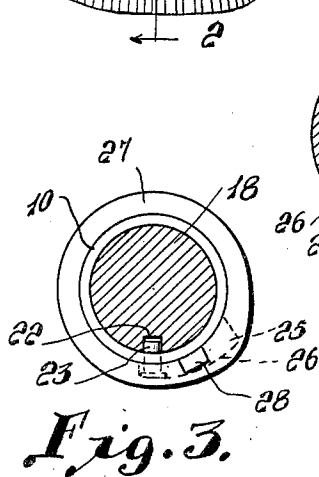
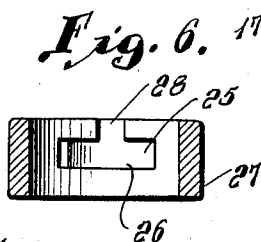
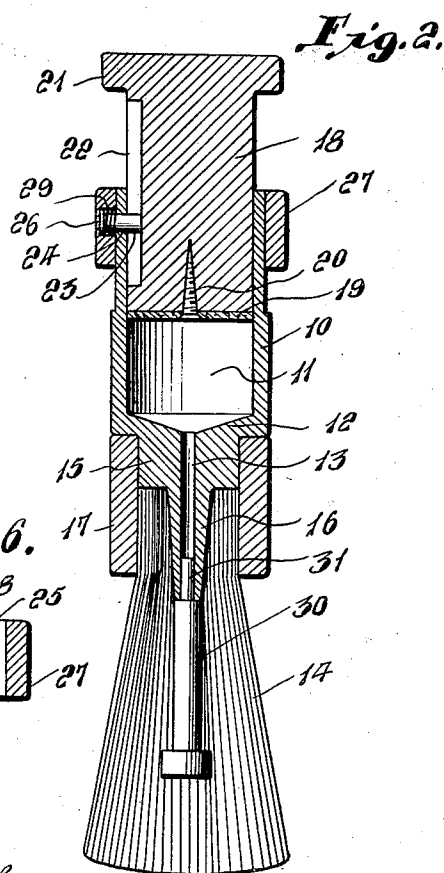
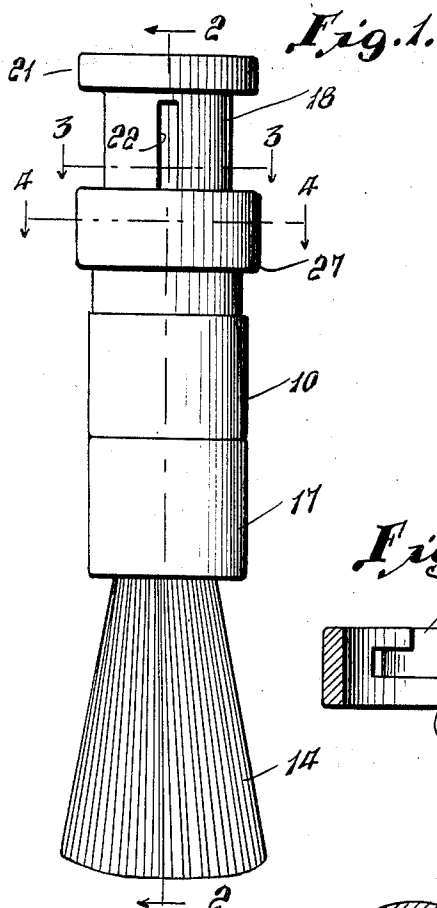
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SHAVING BRUSH

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SHAVING BRUSH

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3 Claims. (Cl. 15—137)

This invention relates to a shaving brush.

It is primarily aimed to provide a novel construction which will contain the cream or shaving material in a reservoir within the handle. subject to feeding therefrom to the brush bristles by the action of a slidable plunger, the latter being capable of suitable fastening against accidental removal.

The more specific objects and advantages will become apparent from a consideration of the description following taken in connection with accompanying drawing illustrating an operative embodiment.

In said drawing:—

Figure 1 is a view in side elevation of the improved brush;

Figure 2 is a longitudinal sectional view taken on the plane of line 2—2 of Figure 1;

Figure 3 is a cross sectional view taken on the line 3—3 of Figure 1;

Figure 4 is a cross sectional view taken on the line 4—4 of Figure 1;

Figure 5 is a view similar to Figure 4 with the parts in pin releasing position; and

Figure 6 is a longitudinal sectional view through the pin-securing ring.

Referring specifically to the drawing wherein like reference characters designate like or similar parts, a body or handle is provided at 10 which is hollow to form a reservoir 11 adapted to contain shaving cream or any equivalent. The bottom wall of said reservoir is preferably inclined as shown at 12 and leads to an outlet or discharge passage 13 communicating with bristles at 14. Said handle 10 has a reduced portion 15 and a stem 16 depending therefrom, through both of which said passageway 13 is provided. The bristles 14 are secured in any suitable manner as by gluing, rubber setting or the like around the stem 16 and are further secured through the aid of a ring or ferrule 17, surrounding the upper ends of the bristles and the portion 15.

Operable within the reservoir 11 is a slidable plunger 18 having a leather or other flexible gasket at 19, secured thereto as at 20, which is designed to wipe the wall of reservoir 11 to contact and extrude the shaving cream or the like.

Said plunger 18 has a marginal flange 21 at the top and has a longitudinal groove 22 in its periphery. Said groove or slot 22 terminates short of each end of the plunger and a pin 23 extends into the same and prevents accidental detachment of the plunger from the handle or body 10.

Pin 23 extends through an opening 24 in the body 10 and into a slot 25 having a cam surface in

a ring 27 mounted for rotation on said body 10. 28 indicates a slot connecting slot 25 with one of the edges of ring 27 through which the pin is inserted into said slot 25. Mounted on the pin 23 and engaging a flange on its end interior of the slot 25 is an expansible coil spring 29 that holds the inner end of the pin against cam surface 26 and insures withdrawal of the pin from groove 22 when the ring 27 is turned to the position shown in Figure 5 to permit removal of the plunger 18 from the body 10 to reload reservoir 11 with shaving cream or the like.

As the shaving cream or the like in reservoir 11 tends to harden when exposed to the air, a stopper member or plug is provided at 30, having a reduced stem 31 which extends removably into the passageway 13.

Presuming operation of the device, the stopper or plug 30 is removed. Thereupon the body is grasped in one hand, with a finger engaging the plunger 21 and pressing against it so as to express the shaving cream therefrom through the passage 13 and onto the bristles, the latter being wet, so that a lather will be produced.

It will be understood that ring 27 is locked in place by pin 23 since the spring 29 is normally in the narrower portion of the slot or groove 25 and thereby compressed so as to exert friction on the ring and on the body, minimizing danger of accidental detachment of the ring. However, as above stated, when it is desired to refill reservoir 11, the ring 27 is moved to the left from the position of Figure 4 to that of Figure 5, and the tension of the spring 29, withdraws the pin 23 through opening 24 in the body 10 and from groove 22 so that the plunger can be removed for refilling of the reservoir 11.

It is clear that the body 10, ferrule 17, plunger 18 and ring 27 may be made of any desired material such as Bakelite, rubber, Celluloid, metal, etc., and that element 20 may be of brass so as to avoid an article capable of rusting.

Various changes may be resorted to provided they fall within the spirit and scope of the invention.

I claim as my invention:—

1. A brush of the class described having a body portion constituting a handle, said body portion having a reservoir and an outlet passage leading therefrom, bristles in communication with the outlet passage, a plunger slidably movable in the said reservoir, said plunger having a slot extending longitudinally thereof, a removable member on the body extending through the body and

into said slot and an element embracing the body and displaceably interfitted with said member.

5 2. A brush of the class described having a body portion constituting a handle, said body portion having a reservoir and an outlet passage leading therefrom, bristles in communication with the outlet passage, a plunger slidably movable in the said reservoir, said plunger having an elongated peripheral slot, said body having a hole
10 therethrough, a ring disposed about the body having a slot provided with an entrance, and a pin in said slots and opening positioned by the ring.

3. A brush of the class described having a body

portion constituting a handle, said body portion having a reservoir and an outlet passage leading therefrom, bristles in communication with the outlet passage, a plunger slidably movable in the said reservoir, said plunger having an elongated peripheral slot, said body having a hole
5 therethrough, a ring disposed about the body having a slot provided with an entrance, a pin in said slots and opening positioned by the ring, the slot of the ring having a cam surface, and
10 an expansive spring surrounding the pin and engaging and tensioned by said surface.

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