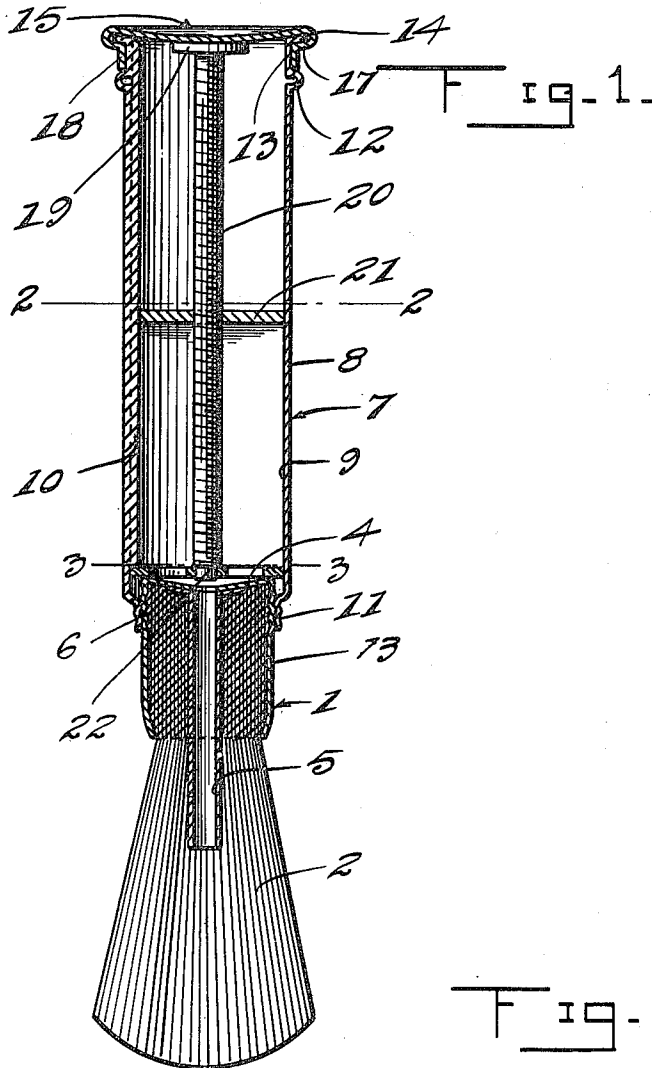
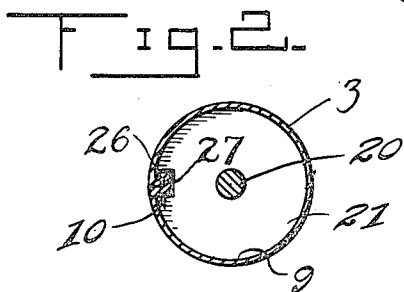
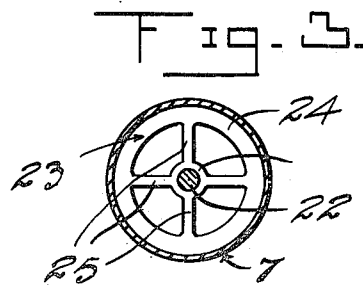


T. R. WIRSING.
SHAVING BRUSH.
APPLICATION FILED DEC. 1, 1914.

1,155,859.

Patented Oct. 5, 1915.



Witnesses

C. R. M. L. L.

C. R. M. L. L.

Inventor
T. R. Wirsing.

By

A. K. M. L. L.
Attorney

UNITED STATES PATENT OFFICE.

THOMAS R. WIRSING, OF ROANOKE, VIRGINIA.

SHAVING-BRUSH.

1,155,859.

Specification of Letters Patent.

Patented Oct. 5, 1915.

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To all whom it may concern:

Be it known that I, THOMAS R. WIRSING, a citizen of the United States, residing at Roanoke, in the county of Roanoke and State of Virginia, have invented certain new and useful Improvements in Shaving-Brushes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to new and useful improvements in shaving brushes and has for its principal object to provide a fountain brush wherein the soap for making the necessary lather is fed to the brush from the handle.

Another object of the invention is to provide a device in which, when the supply of soap runs out, a new supply may be purchased within a similar handle and the brush removed from the empty handle and the new one substituted.

A still further object of the invention is to provide a device for holding the follower which forces the soap into the brush against turning.

With these and other objects in view, the invention consists in the novel combination and arrangement of parts which will be fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a longitudinal sectional view of a shaving brush constructed in accordance with this invention, Fig. 2 is a horizontal sectional view, taken on line 2—2 of Fig. 1, and Fig. 3 is a horizontal sectional view, taken on the line 3—3 of Fig. 1.

Referring now to the drawings by characters of reference, the numeral 1 designates as an entirety the brush portion of the shaving brush which comprises the bristles 2 which are held within the casing 3 which casing may be formed of metal or any other suitable material. This casing is provided with the bottom wall 4 which inclines toward the center, and said wall is provided with a central opening through which the soap passes in entering the bristles. A suitable tubular member 5 is secured to the bottom and surrounds the opening and is designed to form a channel by which the contents of the handle passes into the bristles of the brush. The casing 3 near its upper terminal is provided with screw threads 6 which are arranged to cooperate with the

threads of the handle in a manner which will be more fully hereinafter described. The handle, which is designated by the numeral 7, comprises a cylindrical body 8 having formed therein the bore 9 and the tongue 10 projects into said bore and acts as a guide for the follower, which will be more fully hereinafter described. The lower terminal of the cylindrical body 8 is provided with the reduced portion 11 which is designed to receive the threaded portion 6 of the casing 3 and thereby hold the brush portion in place in relation to the handle. The upper terminal of the cylindrical body 8 is provided with the bead 12, which bead forms a bearing for the top which will be more fully hereinafter described. Extending upwardly from the bead 12 is a cylindrical portion 13 which terminates in the outstanding flange 14 which cooperates with the bead in holding the cap in place. The cap hereinbefore mentioned is designated generally by the numeral 15 and comprises the circular body 16 which is provided on its periphery with a bent-back portion 17 which terminates in the cylindrical portion 18, and this bent-back portion is designed to surround the flange 14, while the cylindrical portion 18 surrounds the cylindrical portion 13 of the body 8. It will thus be seen that the cap is rotatably mounted on the body, thus permitting free movement thereof. Secured to the under side of the cap is the flange 19 having extending downwardly therefrom the screw 20 which extends throughout the entire length of the body 8 and forms a means for forcing the follower 21 toward one end or the other end of the body 3. The lower terminal of the screw is reduced, as at 22, and journaled in an apertured form in the bearing plate designated generally by the numeral 23, which comprises the link 24 having formed integral therewith the inwardly extending radial arms 25 which are connected at their inner terminals with the hub 26 in which the bearing aperture is formed. It will thus be seen that a spider is provided which will permit the contents of the handle to pass there-through and into the brush previously described.

In manufacturing the device, the casing is formed of sheet metal and rolled into the form of a cylinder as clearly shown in Fig. 2, and the adjacent edges thereof are designed to be crimped to form the inwardly

extending bead 10 hereinbefore mentioned. One of these edges is bent inwardly as at 26 to form a tongue over which the U-shaped bend 27 lies. The tongue 26 is hooked into
 5 the groove formed by the U-shaped bend and the whole is then pressed firmly together and crimped to avoid accidental movement. It is to be understood, however, that while this is the preferred form of
 10 making the joint and tongue, I may form this joint in any preferred manner, and if so desired, secure a separate tongue within the cylinder by solder or other suitable attaching means. It is also to be understood
 15 that the adjacent edges of the casing 3 may be bent inwardly as at 26 and joined by solder, thereby eliminating the necessity of forming the U-shaped bend 27 or crimping the edges.
 20 It will be apparent from the foregoing that in use the handle is threaded on to the brush and held thereon by means of the threads 11 and 6, and when it is desired to use the brush, the cap is turned thus forcing
 25 the follower downwardly toward the brush and causing material between the follower and the brush to be passed through the tube 5 and into the brush. It will thus be seen that a particularly simple and efficient de-
 30 vice is provided for feeding the contents of the handle into the brush. As soon as the handle is emptied, the same may be removed and a new handle substituted therefor, thus eliminating any necessity of refilling the old

handle and allowing the same to be dis- 35
 carded.

While in the foregoing there has been shown and described the preferred embodiment of this invention it is to be understood that such changes may be made in the com- 40
 bination and arrangement of parts as will fall within the spirit and scope of the invention as defined in the appended claim.

What is claimed is:—

In a fountain brush, a bristle holder, bristles carried thereby, a hollow handle comprising a strip of sheet metal rolled into tubular form, said handle having one end detachably secured to the bristle holder, the meeting longitudinal edges of the strip being bent inwardly, one inturned edge being of greater width than the other and being bent over and around the other inturned edge, to form an air tight joint, said joint forming an internal rib extending longitudinally of the handle, a cap rotatable on the opposite end of the handle, a screw threaded stem secured to the inner side of said cap, and a follower threaded on the stem having a notch in one side to receive the rib to hold 60
 the follower against rotation in the handle.

In testimony whereof I affix my signature in presence of two witnesses.

THOMAS R. WIRSING.

Witnesses:

H. KAYE MARTIN,
 E. P. BUNYEA.