Dec. 16, 1924. 1,519,232

R. S. BLAIR

BRUSH CONSTRUCTION

Filed May 9, 1919

Fig. 1.

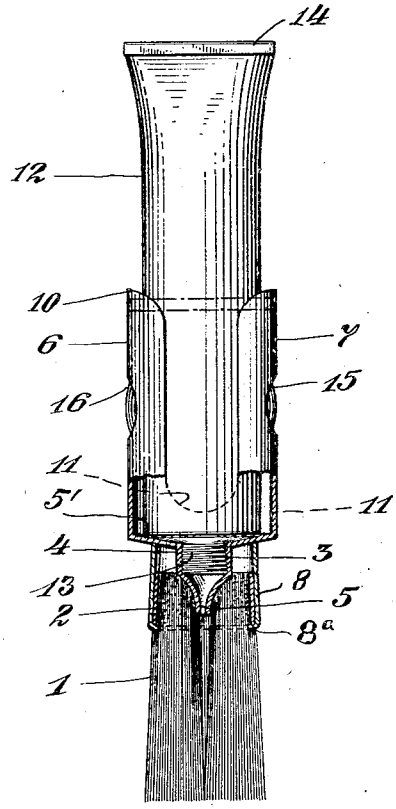
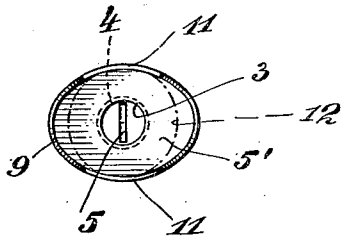


Fig. 2.



Inventor

Robert S. Blair

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ROBERT S. BLAIR, OF SOUND BEACH, CONNECTICUT.

BRUSH CONSTRUCTION.

Application filed May 9, 1919. Serial No. 295,878.

To all whom it may concern:

Be it known that I, ROBERT S. BLAIR, a citizen of the United States, and a resident of Sound Beach, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Brush Construction, of which the following is a specification.

This invention relates to application of fluids or semi-fluids to surfaces, and with regard to its more specific features to lathering apparatus for shaving.

One of the objects of the invention is to provide lathering apparatus of simple and relatively inexpensive construction, which shall be convenient in use.

Other objects will be in part obvious and in part pointed out hereinafter.

The invention accordingly consists in the features of construction, combinations of elements and arrangement of parts which will be exemplified in the construction hereinafter set forth, and the scope of the application of which will be indicated in the following claims.

In the accompanying drawings wherein are shown one or more of various possible embodiments of the several features of this invention,

Fig. 1 is a view partly in longitudinal section showing my apparatus assembled.

Fig. 2 is a top view of my brush element, the tube being removed.

Similar reference characters refer to similar parts throughout the different views of the drawings.

Referring now to the drawings, I have shown a brush designated by the numeral 1, the bristles being bound together at their tops in the usual manner as by the band 2. Secured to the brush 1, I provide a fitting preferably made of pressed sheet metal. This fitting comprises a nozzle element 3 extending centrally above the tops of the bristles 1, circular in cross section and internally threaded near its top as at 4, and having an integral flattened unthreaded outlet portion 5 therebelow entering the brush.

Rigidly connected with nozzle portion 4, is provided preferably a cupped elliptical surface 5′, formed integrally with opposite upwardly extending sheet metal jaw members 6—7. Formed integral with or secured to the lower surface of the member 5 is a ring 8 flanged as at 8^a to underlap and make an interlocking connection with the band 2. Jaw members 6 and 7 are arcuate in cross section as shown at 9, extending symmetrically from the ends of the major axis of ellipse 5′ and are preferably tapered at their ends as shown at 10. The bottoms of the jaw portions 6 and 7 are preferably connected by webs 11 for purposes of strengthening the construction.

A conventional tube 12, containing shaving cream, having a threaded nozzle 13 closed by a correspondingly threaded cap (not shown) and a rivet 14 at its opposite end, is adapted to be assembled with combined brush 1 and fitting. For this purpose, the tube cap (not shown) is discarded and the shaving tube is inserted nozzle first between the jaw members 6 and 7, until the threaded nozzle 13 of the tube cooperates with threaded nozzle 4 in the brush, whereupon the brush and tube are rotated with respect to each other until these threads have come into full cooperation. The tube is then flattened somewhat by manual pressure to place it into firm engagement with the inner surfaces of jaws 6 and 7, said jaws being preferably provided each with an opening 15 into which the shaving tube may be expanded as shown at 16, to aid still further in maintaining the tube and brush in firm assembled relation.

It is to be understood that other means may be employed in place of the auxiliary securing means 15—16 above set forth, or that such means may be of different form. I prefer, however, to employ the specific construction shown and described.

In operation, the tube and brush having been assembled as above set forth, the user presses on the tube as usual, rolling the end 14, whereby a quantity of shaving cream will emerge through nozzle 13 and flattened outlet portion 5, into the brush. The lathering operation may then proceed as usual, the user conveniently gripping the brush at the jaw portions 6—7. The flattened outlet portion 5 prevents any needless strain on the bristle holding means 2.

As the tube is rolled up, the rolled end reaches the jaws 6 and 7 and may be conveniently rolled up even then, as appears clearly from the dotted lines in Fig. 1, the user easily extending his thumb and index finger between the jaw member 6 and 7 on opposite sides.

When the tube is exhausted, it may be merely unrolled and then rotated relative to

the brush portion, to unscrew parts 13 and 4 when the parts are separated, whereupon the brush with its fitting 8 can be again used in combination with a new tube.

It will thus be seen that there is herein described apparatus in which the several features of this invention are embodied and which apparatus in its action attains the various objects of the invention and is well suited to meet the requirements of practical use.

As many changes could be made in the above construction and many apparently widely different embodiments of this invention could be made without departing from the scope thereof, it is intended that all matter contained in the above description or shown in the accompanying drawings shall be interpreted as illustrative and not in a limiting sense.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:—

1. In a fountain shaving brush in combination, a brush member, a device secured thereto and having a passage, one portion of which is internally threaded and another portion of which terminates among the bristles at the bound end of the brush, supporting means comprising a pair of members fixed to said device and adapted to extend along the sides of a tube and serve as a handle for said brush, a collapsible tube having its nipple threaded within said passage and having its sides resting within the opposite members of said supporting means and held thereby against rotation, said members of said supporting means being spaced one from the other to permit said tube to be seized between the same.

2. In a fountain shaving brush, in combination, a brush, a unitary supporting device having a passage, one end of which is internally threaded and another end of which terminates among the bristles at the bound end of said brush, and comprising a casing extending in a direction away from said brush, a removable collapsible tube threaded within said passage and resting within said casing, said casing being provided with an opening through which said tube may be seized and rolled.

3. In a fountain shaving brush, in combination, a brush, a unitary supporting device having a passage, one end of which is internally threaded and another end of which terminates among the bristles at the bound end of said brush, and comprising a casing extending in a direction away from and in substantial alignment with said brush, a removable collapsible tube having a nozzle formed thereon and threaded within said passage and resting within said casing, said casing being provided with an opening through which said tube may be seized and rolled, and being interlocked with said tube to hold the same against unscrewing from said passage, said device having a portion against which the end of said tube rests.

Signed at New York city in the county of New York and State of New York this 8th day of May A. D. 1919.

ROBERT S. BLAIR.