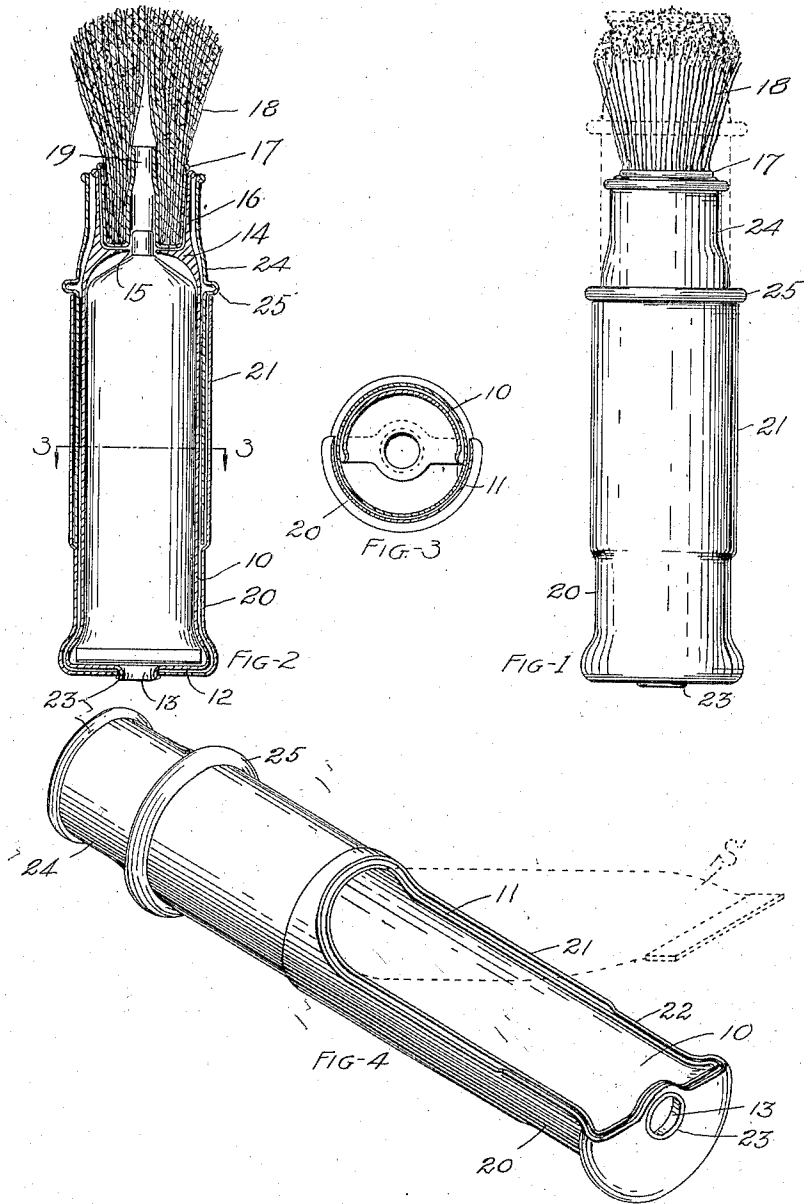


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FOUNTAIN SHAVING BRUSH.  
APPLICATION FILED JAN. 24, 1919.

1,321,907.

Patented Nov. 18, 1919.



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# UNITED STATES PATENT OFFICE.

ANDREW W. GRAHAM, OF BUFFALO, NEW YORK.

FOUNTAIN SHAVING-BRUSH.

1,321,907.

Specification of Letters Patent.

Patented Nov. 18, 1919.

Application filed January 24, 1919. Serial No. 272,852.

To all whom it may concern:

Be it known that I, ANDREW W. GRAHAM, a citizen of the United States of America, residing at Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Fountain Shaving-Brushes, of which the following is a specification.

This invention relates to shaving appliances and has special reference to a shaving brush of the type commonly known as the fountain brush.

One object of the invention is to improve and simplify devices of this character.

A second object of the invention is to provide a shaving brush of this character wherein a tube of shaving soap, paste or cream may be placed, and which is so arranged that the contents of this tube may be extruded as desired.

A third object of the invention is to provide a shaving brush having a hollow handle which is so arranged that a tube of shaving soap, cream or the like, may be held within the handle in such manner that a portion of the end may be exposed at will for the purpose of squeezing the same while the remainder of the tube is covered so that the tube cannot fall out accidentally.

With the above and other objects in view, as will be hereinafter apparent, the invention consists in general of certain novel details of construction and combinations of parts hereinafter fully described, illustrated in the accompanying drawings and specifically claimed.

In the accompanying drawings, like characters of reference indicate like parts in the several views, and:

Figure 1 is a side elevation of the device ready for use, the cover for the brush being shown in covering position by dotted lines.

Fig. 2 is a vertical longitudinal section through the brush and handle showing the tube of shaving soap in position.

Fig. 3 is a section on the line 3—3 of Fig. 2.

Fig. 4 is a perspective view of the device showing the tube of soap in position for insertion in dotted lines.

In the embodiment of the invention herein illustrated there is provided an inner tube 10 which is cut way on one side at its rear end as at 11 and terminates in an end 12 from which projects a collar 13. The forward end of this inner tube is provided

with a closure 14, having a centrally disposed opening 15 therein. Projecting forward from the closure 14 is an annular wall 16 adapted to receive the holder 17 of a brush 18. This holder is provided with a forwardly extending centrally disposed tube 19 registering with the opening 15, the tube projecting well within the brush 18. Pivoted on the collar 13 is an outer tube 20, the forward end of which is diametrically enlarged as at 21 to provide a space between the inner and outer tubes. This outer tube 20 is also cut away as at 22 so that when the outer tube is rotated on the collar 13, the two cut portions may be brought into registry whereby to form an opening for the reception of a tube of soap S. In order to hold the tubes 10 and 20 together the end of the collar 13 is beaded over as at 23. Slidably mounted in the space between the tubes 10 and 20 is a sleeve 24 having a limit bead 25 formed therearound which when the sleeve is retracted bears against the forward end of the tube 20 and limits the rearward motion of said sleeve. When in rearward position the sleeve 24 extends over the forward portion of the opening formed by the cutaway parts of the tubes 10 and 20 so that the forward portion of the tube S will be covered while the rear end will be exposed when the tube 20 is turned to the position shown in Fig. 4.

When the device is not in use the tube 20 is turned to cover the rear end of the tube S and the sleeve 24 is drawn forward to cover the brush 18.

It should be carefully noted that the tube S may be an ordinary or commercial tube of liquid or soap cream and can be used after removing the usual screw cap or the cap may be replaced by a plug screwed in the top. Further, for this particular purpose, the tube could be made with the end sealed up which would be cheaper than putting a threaded cap or plug on the tube and under these circumstances this sealed end should be pierced with a penknife or other suitable instrument prior to the insertion of the tube S in the handle and in this manner a cheaper form of tube could be utilized with this device.

In use the parts are arranged as in Fig. 4 and a tube S inserted as shown. The sleeve 24 is drawn backward to expose the brush and at the same time cover the forward portion of the tube S and hold it in position.

Then the rear end of the tube can be pressed to extrude some of the contents into the brush and the brush used in the ordinary manner. By rotating the tube 20 on the tube 10, the soap tube S may be covered so that no accidental extrusion of its contents is possible.

There has thus been provided a simple and efficient device of the kind described and for the purpose specified.

It is obvious that many minor changes may be made in the form and construction without departing from the material principles thereof. It is not, therefore, desired to confine the invention to the exact form herein shown and described, but it is wished to include all such as properly come within the scope claimed.

Having thus described the invention, what is claimed as new is:

1. In a device of the kind described, an inner tube having one end arranged to receive the base of a brush, and an outer tube axially pivoted to the inner tube, each of said tubes being provided with a lateral opening, said openings being arranged to register upon rotation of the outer tube on the inner tube, said lateral openings being of proper size and shape to permit the insertion of a tube of soap, in combination with a brush having an opening therethrough and seated in the brush receiving end of the inner tube.

2. In a device of the kind described, an inner tube having one end arranged to receive the base of a brush and provided with a cut-away portion to form a lateral opening and having an end closure provided with a projecting pivot, and a similar outer tube provided with an opening to receive the pivot whereby the outer tube may be rotated on the inner tube to bring the lateral tube openings into and out of registry, said lateral openings being of proper size and shape to permit the insertion of a tube of soap, in combination with a brush having an opening therethrough and seated in the brush receiving end of the inner tube.

3. In a device of the kind described, an inner tube having one end arranged to receive the base of a brush, and an outer tube axially pivoted to the inner tube, each of said tubes being provided with a lateral opening, said openings being arranged to register upon rotation of the outer tube on the inner tube, and a sleeve slidable longitudinally with reference to said tubes and

arranged to cover and uncover the forward ends of the lateral openings, said lateral openings being of proper size and shape to permit the insertion of a tube of soap, in combination with a brush having an opening therethrough and seated in the brush receiving end of the inner tube.

4. In a device of the kind described, an inner tube having one end arranged to receive the base of a brush and provided with a cut-away portion to form a lateral opening and having an end closure provided with a projecting pivot, a similar outer tube provided with an opening to receive the pivot whereby the outer tube may be rotated on the inner tube to bring the lateral tube openings into and out of registry, and a sleeve slidable longitudinally with reference to said tubes and arranged to cover and uncover the forward ends of the lateral openings, said lateral openings being of proper size and shape to permit the insertion of a tube of soap, in combination with a brush having an opening therethrough and seated in the brush receiving end of the inner tube.

5. In a device of the kind described, an inner tube having one end arranged to receive the base of a brush and provided with a cut-away portion to form a lateral opening and having an end closure provided with a projecting pivot, an outer tube provided with an opening to receive the pivot whereby the outer tube may be rotated on the inner tube to bring the lateral tube openings into and out of registry, the forward ends of said tubes being spaced, a brush mounted in the forward end of the inner tube, and a sleeve mounted to slide between the spaced portions of said tubes, said sleeve being arranged when in one position to cover the brush and uncover the lateral openings and when in a second position to uncover the brush and partly cover the lateral openings, said lateral openings being of proper size and shape to permit the insertion of a tube of soap, in combination with a brush having an opening therethrough and seated in the brush receiving end of the inner tube.

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

ANDREW W. GRAHAM.

Witnesses:

E. MOON,

V. G. FRONAPPEL.