No. 715,881. Patented Dec. 16, 1902.

T. H. SCOTT.

FOUNTAIN SHAVING BRUSH.

Application filed Mar. 31, 1902.

(No Model.)

Fig. 1.

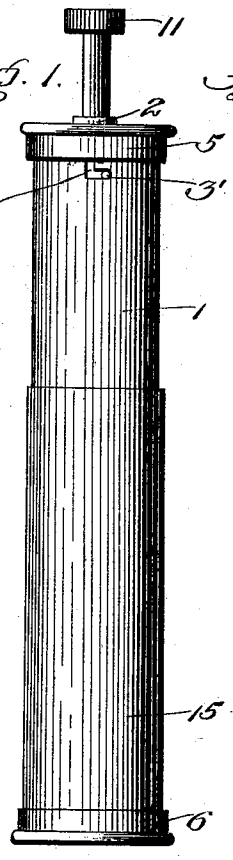


Fig. 2.

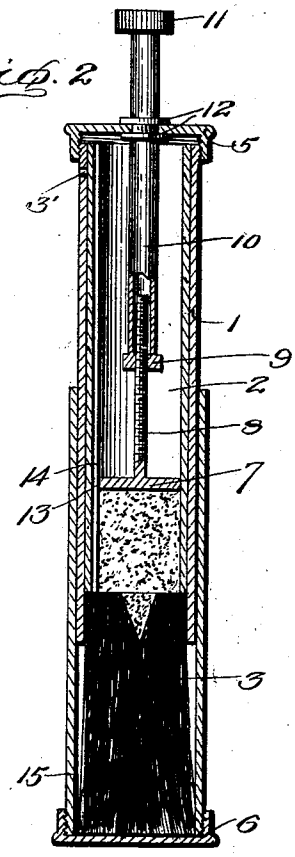


Fig. 3.

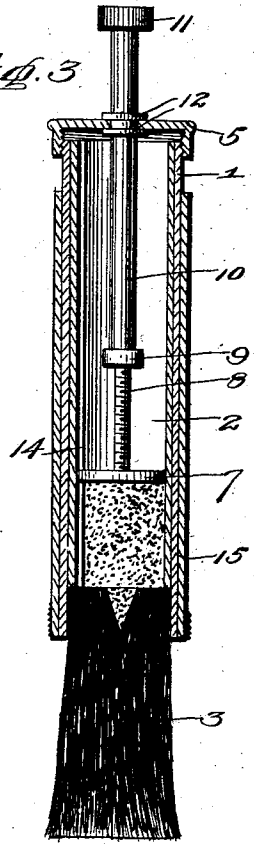


Fig. 4.

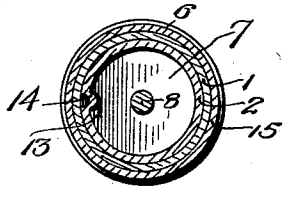
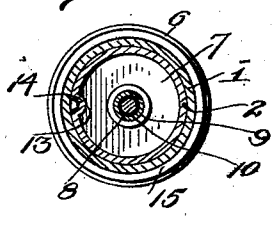


Fig. 5.



Witnesses

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UNITED STATES PATENT OFFICE.

THOMAS H. SCOTT, OF PORT HURON, MICHIGAN.

FOUNTAIN SHAVING-BRUSH.

SPECIFICATION forming part of Letters Patent No. 715,881, dated December 16, 1902.

Application filed March 31, 1902. Serial No. 100,790. (No model.)

To all whom it may concern:

Be it known that I, THOMAS H. SCOTT, a citizen of the United States, residing at Port Huron, in the county of St. Clair and State of Michigan, have invented certain new and useful Improvements in Fountain Shaving-Brushes; and I do 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 improvements in fountain-brushes, and particularly to a fountain shaving-brush.

The object of the invention is to provide a brush of this character which is designed to contain a quantity of soap or shaving-cream which may be forced out as required into the fibers of a brush, whereby upon wetting the brush with water a sufficient lather for shaving purposes may be produced, and, further, to provide for the convenient replenishment of the reservoir with soap and the compact inclosure of the parts, so as to permit of the device being conveniently carried in the pocket or packed away, so as to occupy but a minimum amount of space in a trunk or valise.

With the above and other objects in view, which will readily appear as the nature of the invention is better understood, said invention consists in certain novel features of construction and combination and arrangement of parts, as will be hereinafter fully described, defined in the appended claim, and illustrated in the accompanying drawings, in which—

Figure 1 is a view in side elevation of the brush as when closed for carrying. Fig. 2 is a vertical longitudinal section of the same. Fig. 3 is a view similar to Fig. 2, showing the device ready for use. Fig. 4 is a cross-section on line 4 4 of Fig. 1. Fig. 5 is a similar view on line 5 5 of Fig. 1.

Referring now more particularly to the drawings, the numeral 1 represents a hollow handle of sufficient length and diameter to conveniently receive a reservoir-tube 2, adapted to contain a determined quantity of soap paste or shaving-cream, which is supplied therefrom to the brush-bristles 3, suitably secured in one end of said handle 1. The tube 2 is open at both ends and is removably secured to the handle, so that it may be conveniently detached therefrom whenever it is necessary to replenish the same with soap paste or cream or so that a filled tube may be slipped into the handle in its place. Any preferred means for detachably fastening said tube in place is employed, that shown in the present instance consisting of a pin 3 upon the tube, which engages a bayonet-slot 4 in the rear end of the handle, whereby the tube is secured and detached by a slight longitudinal and axial movement, as will be readily understood. The ends of the handle are adapted to be closed by caps 5 and 6.

The soap or shaving-cream is supplied to the brush through the medium of a piston or plunger 7, provided with a screw-threaded stem 8. This stem is engaged by a nut 9, carried by a hollow or tubular shaft 10, which projects to the exterior through the cap 5 and is provided at its outer end with a milled head 11, by means of which it may be operated. The shaft is fitted to turn freely in the cap, but is held from longitudinal movement by suitable stops 12, so that the rotation of the shaft in one direction will cause the plunger to feed the lather-making substance to the brush-bristles, while a reverse rotation of the brush will effect the retraction of the plunger, the stem moving freely in the bore of the shaft during these actions. In order to secure these results, it is necessary to hold the plunger against rotation, which is accomplished by providing the same with a recess 13 to receive a rib or projection 14 on the handle 1, which projection is preferably formed by indenting the handle, as shown. A sleeve 15 telescopes or slides upon the handle 1 and when the device is not in use is designed to receive the cap 6 and inclose the brush-bristles 3.

The operation is as follows: Assuming the brush to be closed, as shown in Figs. 1 and 2, the cap 6 is removed and the sleeve 15 slid back upon the handle 1 to expose the bristles 3. The shaft 10 is then turned by means of its head 11 to force the plunger 7 to press a quantity of the soap or shaving-cream into said bristles, whereupon by dipping said bristles in water and rubbing the same over the face a lather will be produced. After use the sleeve 15 is again slid outward to inclose the bristles and the cap 6 applied thereto to pre-

vent any access of dust or dirt. The device will then be closed, so as to be packed in close compass or conveniently carried in the pocket. When the supply of soap or cream contained in the tube 2 is exhausted, the cap 5, shaft 10, and plunger 7 are removed, the tube 2 withdrawn, refilled, and replaced, or a filled tube inserted in its place, when the parts are again applied to operate, as shown.

From the foregoing description, taken in connection with the accompanying drawings, it is thought that the construction, mode of operation, and advantages of my improved fountain-brush will be readily apparent without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

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

A fountain shaving-brush comprising a hollow handle carrying brush-bristles at one end, a reservoir-tube insertible and removable through the opposite end of the handle, interengaging connections between the handle and tube for detachably securing the latter in place, a cap closing the open end of the tube through which the reservoir is introduced and removed, a piston working in the reservoir and provided with a threaded stem and held from rotation, a hollow shaft projecting through the cap and held from longitudinal movement, said shaft having an operating device at its outer end and a nut at its inner end engaging said stem, a sleeve sliding on the outer surface of the handle and adapted to inclose the brush-bristles, and a cap for closing the outer end of said sleeve, substantially as and for the purpose set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

THOMAS H. SCOTT.

Witnesses:
G. F. CONNER,
CHAS. LINKEY, Jr.