

W. L. CLARK.
 FOUNTAIN BRUSH.
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953,371.

Patented Mar. 29, 1910.

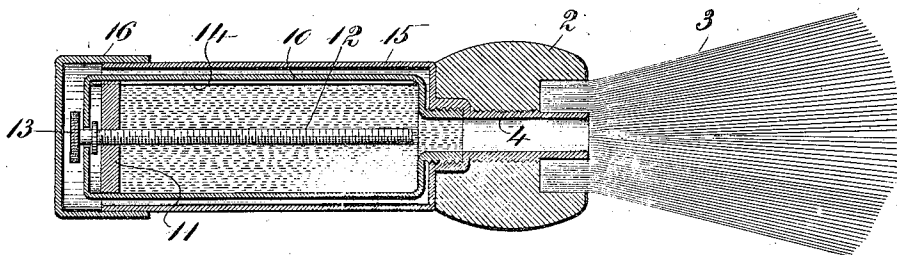


Fig. 1.

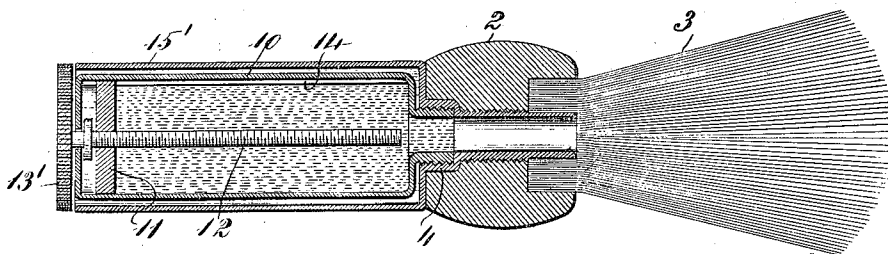


Fig. 2.

WITNESSES=
Joseph T. Brennan
C. S. Woodbury

INVENTOR=
 Walter L. Clark,
 By E. D. Chadwick,
 Attorney.

UNITED STATES PATENT OFFICE.

WALTER L. CLARK, OF NEW YORK, N. Y.

FOUNTAIN-BRUSH.

953,371.

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To all whom it may concern:

Be it known that I, WALTER L. CLARK, a citizen of the United States, and resident of New York, in the county and State of New York, have invented certain new and useful Improvements in Fountain-Brushes, of which the following is a specification.

This invention relates to brushes of that type in which provision is made for detachably combining with the brush proper a reservoir or receptacle containing the material to be applied by the brush and adapted to deliver such material to the bristles whenever it is required for use, the object of my invention being to provide a simple and durable construction of brush having a handle portion which will contain the reservoir and thus conceal the same from view without interfering with its removability and replacement or with the manipulation necessary for expelling its contents.

In the drawings,—Figure 1 is a central longitudinal section through a shaving brush embodying one construction of my improvements; and Fig. 2 is a similar view illustrating a modified construction.

In Fig. 1 of the drawings, 2 represents the body of the shaving brush carrying the usual mass of bristles 3 and provided with a central tubular bushing 4, one end of which opens into the interior of the bristles. The soap receptacle as illustrated in this figure consists of a rigid tube 10 containing a piston 11 which is originally located behind the contents of the tube and is forced forward to expel the same as fast as may be desired by means of a rod 12 extending lengthwise within the tube and passing through the rear or closed end of the latter, said rod being also passed through the piston 11 and provided with a screw-thread to engage and operate said piston, and being also provided at its outer end with an operating hand or thumb piece 13. The piston 11 is prevented from rotating with the rod 12 by suitable means such as a longitudinally-extending rib 14 fitting a groove or depression in the periphery of the piston. This form of receptacle, which in itself is not original with me, is externally threaded at its outlet end or otherwise adapted to be detachably connected to the tubular bushing 4 which is internally threaded at its rear end to receive the same, and said bushing also carries a hollow sheath or handle portion 15 which is adapted to receive the receptacle 10 and is given such a

length that it will leave the outer end of the attached receptacle 10 exposed, as well as the thumb piece 13, which parts may be inclosed if desired by means of a supplemental portion consisting of a cap 16 telescopically fitted to the outer end of the sheath 15.

In Fig. 2 there is shown a modification according to which the soap tube 10 and the body of the brush are of the same construction as that illustrated in Fig. 1, except that the operating thumb piece 13' has substantially the same diameter as the outer tube or handle 15', which, in this instance, is of such length that it will extend to the rear or outer end of the tube 10 when the latter is connected to the brush. In this construction the thumb piece 13' not only serves to operate the piston 11 through the threaded rod 12 but also forms, in effect, a removable cover for the outer end of the handle 15' and thus assists in concealing the contained parts. The frictional resistance opposed by the piston 11 to its longitudinal movement within the tube 10 will ordinarily be sufficient to permit said tube to be screwed into and out of the bushing 4 by means of the thumb piece which operates said piston, but any other suitable means for connecting said tube to the body of the brush may be employed instead of the screw-threaded connection shown, if preferred. A cap 16 such as is shown in Fig. 1 may be employed as well in connection with the construction shown in Fig. 2, if desired.

It will be seen that my invention provides a simple and inexpensive brush having a permanent handle whereby the brush may be used in the ordinary way, irrespective of any reservoir, while said handle is also adapted to receive and conceal a suitable reservoir as previously described, and while my improvements are particularly adapted to be applied to shaving brushes they may also be embodied in various other kinds of fountain brushes with similar resulting advantages, as will be evident.

I claim as my invention:

1. In a fountain brush, the combination with the body portion and bristles of a rigid hollow handle carried by said body portion and a receptacle detachably secured within said handle and having an outlet adapted to deliver its contents to the bristles, said receptacle comprising a rigid tube having its rear or outer end closed and containing a piston located behind the contents there-

of, a threaded piston-operating rod carried by said tube and passing through the outer end thereof, and an operating thumb piece connected to said rod on the exterior of the tube and at the outer end of said handle.

2. In a fountain brush, the combination with the body portion and bristles of a rigid hollow handle carried by said body portion and a receptacle detachably secured within said handle and having an outlet adapted to deliver its contents to the bristles, said receptacle comprising a rigid tube having its rear or outer end closed and containing a piston located behind the contents thereof, a threaded rod passing through said piston in engagement therewith and through the closed outer end of the tube, and an operating thumb piece connected to said rod on the exterior of the tube and at the outer end of said handle, said thumb piece having a diameter substantially equal to that of the outer end of the handle and serving as a cover therefor.

3. In a fountain brush, the combination with the body portion and bristles of a rigid hollow handle carried by said body portion and having an open rear or outer end, a receptacle adapted to be inserted into and withdrawn from said handle through the open end of the latter and having at its forward end an outlet leading to the interior of the bristles, said receptacle comprising a rigid tube closed at its rear end and containing a piston located behind the contents thereof, and a piston-operating rod carried by said tube and passing through the closed rear end thereof into position to be operated from the exterior of the handle.

In testimony whereof, I have hereunto subscribed my name this second day of April, 1906.

WALTER L. CLARK.

Witnesses:

D. J. NORMOYLE,
E. D. CHADWICK.