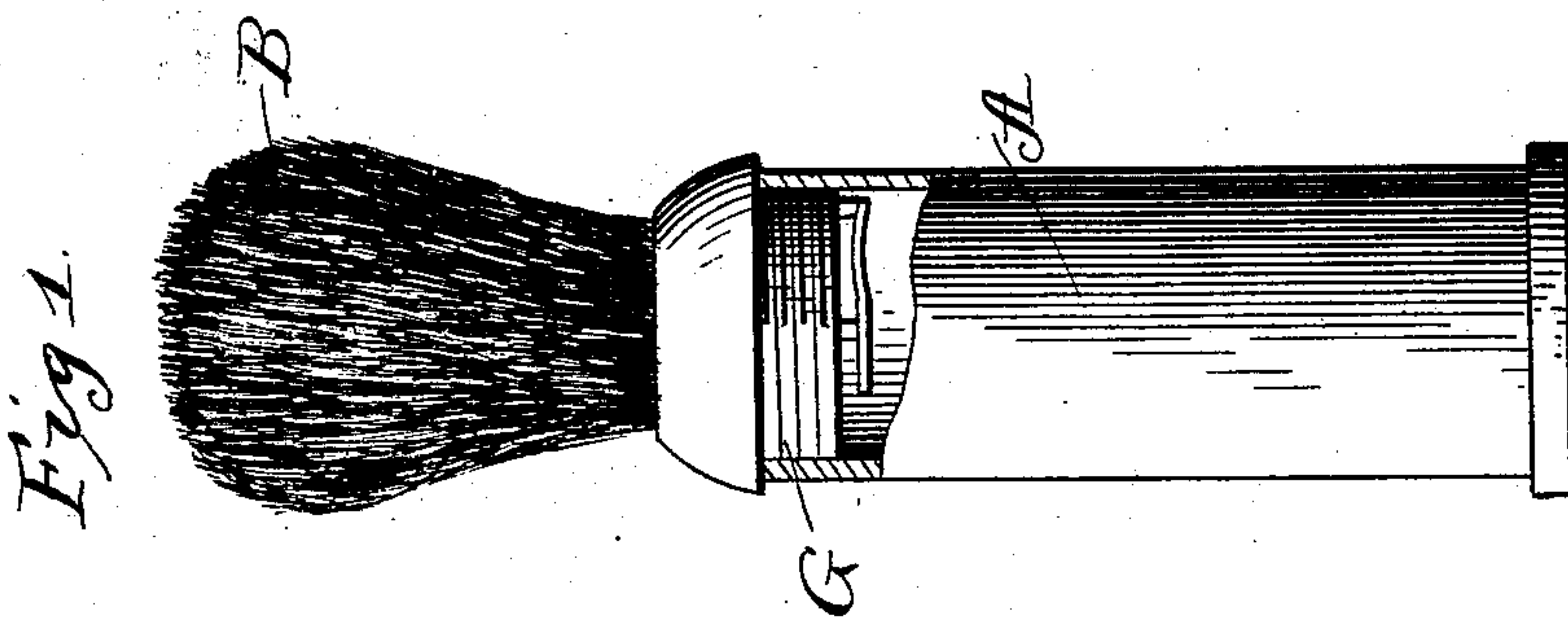
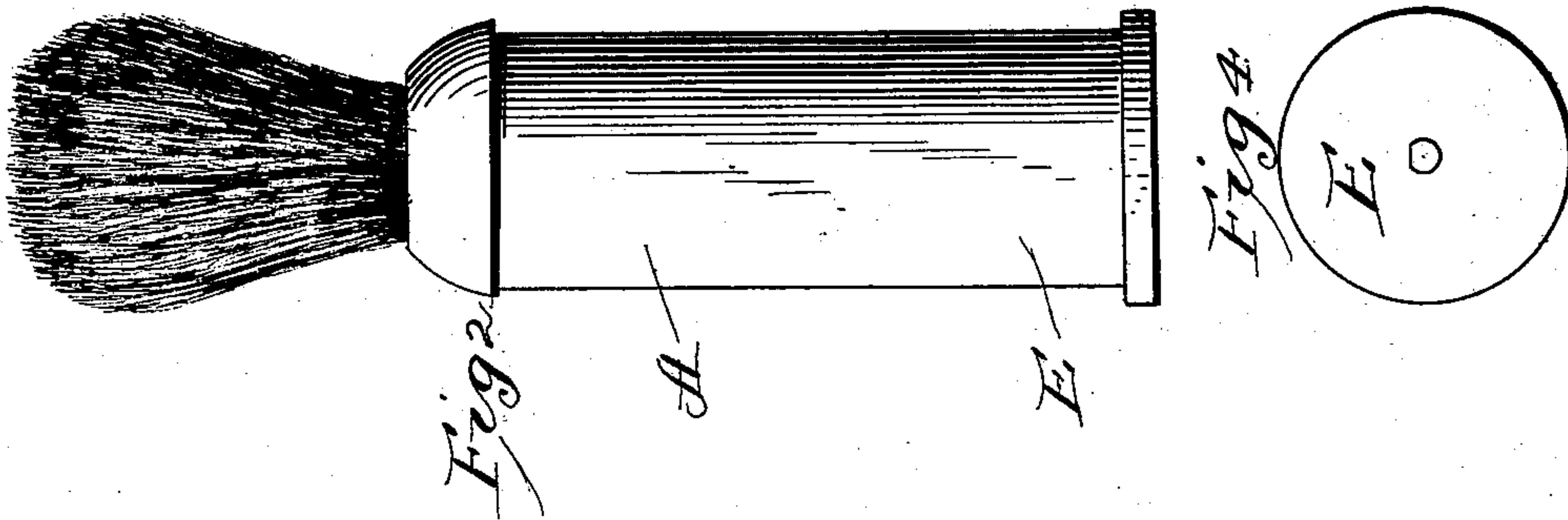
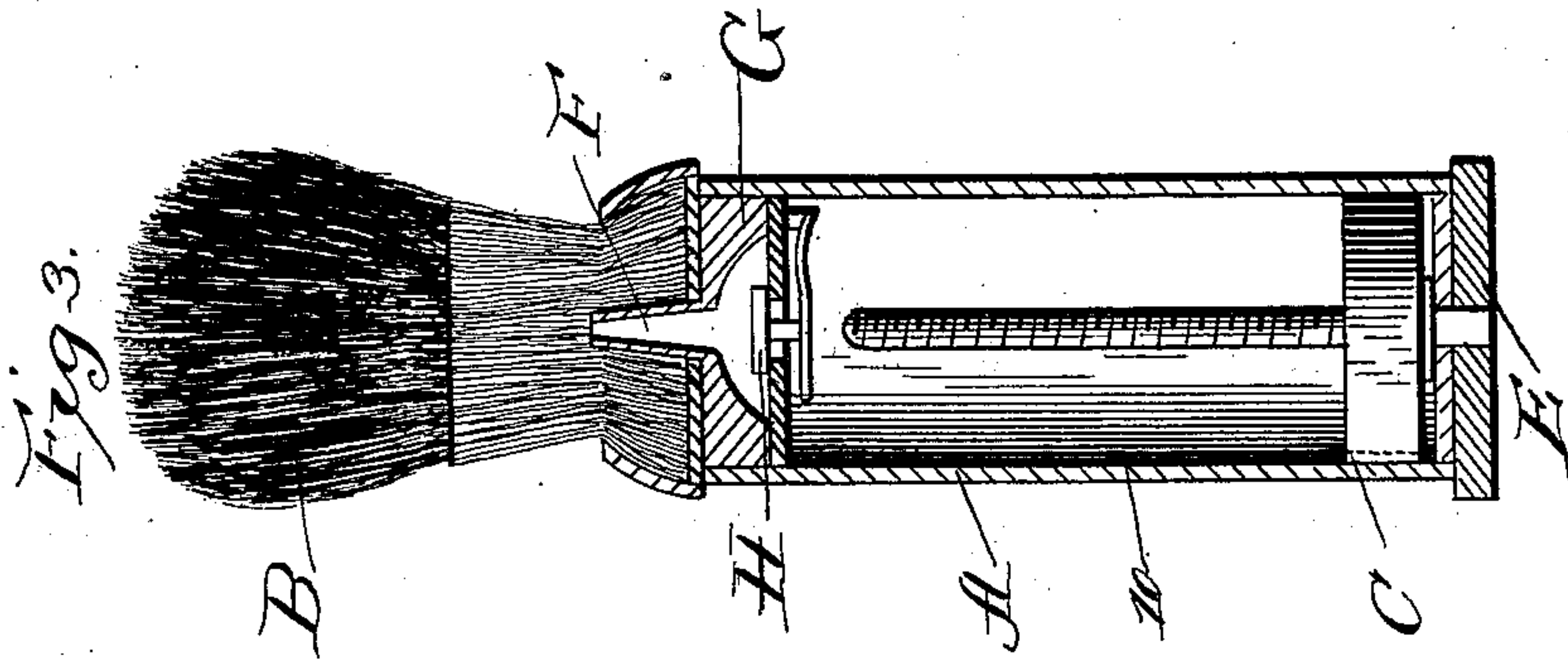


(No Model.)

H. J. SMITH.
SHAVING BRUSH.

No. 507,462.

Patented Oct. 24, 1893.



Attest
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Attys

UNITED STATES PATENT OFFICE.

HENRY JEREMIAH SMITH, OF FITZROY, VICTORIA.

SHAVING-BRUSH.

SPECIFICATION forming part of Letters Patent No. 507,462, dated October 24, 1893.

Application filed November 7, 1892. Serial No. 451,273. (No model.)

To all whom it may concern:

Be it known that I, HENRY JEREMIAH SMITH, engineer, a subject of the Queen of Great Britain, residing at 14 Palmer Street, Fitzroy, near Melbourne, in the British Colony of Victoria, have invented an Improved Shaving-Brush, of which the following is a specification.

The object of this invention is to provide a shaving brush having a supply of soap in its handle, which can be fed into the bristles of the brush whenever it is required for use, thereby necessitating the application of water only in order to enable the user to produce a fine lather.

My invention consists in a shaving brush having a hollow receptacle to form its handle, said receptacle being fitted with a piston which can be moved up and down by rotating a screw-threaded rod passing through it, the lower end of said rod being passed through the bottom of the receptacle, and having a large milled head to facilitate this operation. A small piece of tube projects from the upper end of this receptacle into the midst of the bristles, and a valve may if preferred, be fitted within the upper end of the handle to prevent the escape of the soap or shaving paste when the brush is not in use.

Referring to the accompanying drawings,—Figure 1 is a side elevation with part of the handle broken away, and Fig. 2 is a complete side elevation of a shaving brush constructed according to my invention, while, Fig. 3 is a vertical central section thereof, showing the upper part of the bristles (in elevation), and Fig. 4 is a plan of the under side of the milled head and screw-threaded spindle.

The same letters and numerals of reference indicate the same parts in all the figures.

A represents the receptacle which forms the handle of the brush and is adapted to receive a supply of shaving paste, soft soap or other suitable material which it is intended to use for forming the lather, and B represents the bristles of the brush into which such shaving paste or other material is required to be delivered. This receptacle A is preferably formed of a piece of tubing, and is fitted with a piston C adapted to slide up and down therein. This piston works upon a screw-threaded rod D, whose lower end is fitted with

a milled head E so that it can be rotated when it is desired to raise said piston.

F represents the tube which projects up into the center of the bristles B. This said tube and bristles are both connected to or form part of, a stopper G, which is screw-threaded, as illustrated in Fig. 1, so that it can be screwed into the upper part of the receptacle A and readily unscrewed when it is required to refill the handle of the brush with shaving paste or other material.

H represents a small spring valve which is fitted within the stopper G and serves when the brush is not in use to prevent the paste or other material escaping therefrom. The valve H, it will be seen is adapted to open outward and it does this when the piston C, is moved so as to press the mass of paste with sufficient force against the valve to overcome its spring. When some of the paste has been thus forced by the valve it will gradually return to normal position and remain so until pressure is brought to bear upon it again.

If found necessary, a feather 10 might be arranged down the inside of the hollow handle A in order to prevent the piston C from turning round.

It will be obvious that my invention has many advantages, both on the score of convenience and utility, because it contains within itself a supply of material sufficient to provide lather for shaving for a considerable length of time without the inconvenience attending the use of a separate stick of soap.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is—

In combination, the receptacle forming the handle, the brush at the end of the receptacle, the valve H, arranged adjacent to the brush and the piston with means for operating the same along the receptacle, said valve H being under spring pressure and operating in opposition to the movement of the piston, substantially as described.

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

HENRY JEREMIAH SMITH.

Witnesses:

EDWARD WATERS,

EDWARD NEEDHAM WATERS.