

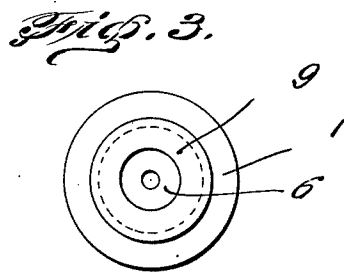
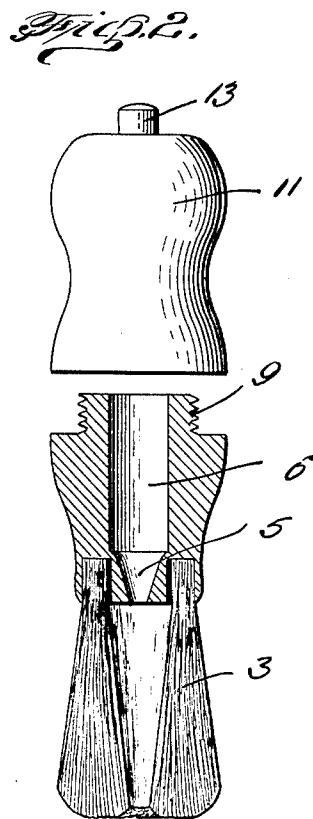
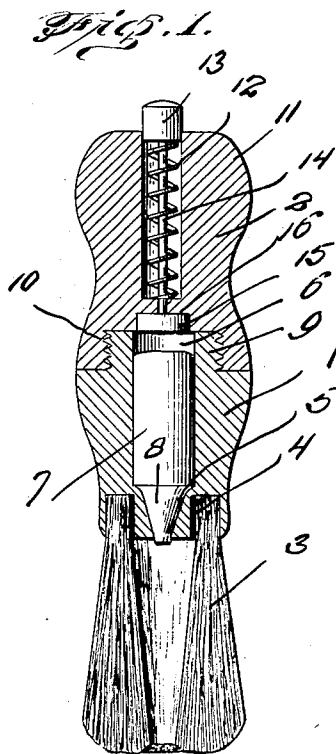
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F. L. MERRICK

SHAVING BRUSH

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UNITED STATES PATENT OFFICE.

FREDERICK L. MERRICK, OF NEW YORK, N. Y.

SHAVING BRUSH.

Application filed March 5, 1924. Serial No. 697,010.

To all whom it may concern:

Be it known that I, FREDERICK L. MERRICK, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Shaving Brushes, of which the following is a specification.

This invention relates to improvements in shaving brushes, and particularly to a brush housing the shaving soap, having suitable feeding means within the handle portion.

An object of the invention resides in providing a shaving brush having a handle formed of a pair of cooperating sections, one section of which is adapted to receive a capsule, containing liquid soap, while the other section of the handle receives a compressing means operable for compressing the capsule, to eject the liquid soap therefrom.

Another object of the invention resides in providing a shaving brush, having a handle formed of two axially arranged sections, one of which sections carries the bristles formed with a chamber for receiving a capsule containing liquid soap, the end of the section carrying the brush being formed with a suitable tapered aperture to provide a nozzle for the capsule and the ejection of the soap, while the other handle section, in cooperating relation, carries means adapted for reciprocating movement for ejecting the liquid soap from the capsule, by the compression of the end portion thereof.

The invention also includes other objects and improvements in the details of construction, and arrangement of the parts, which is more particularly pointed out in the following description and claim, directed to a preferred form of the invention, it being understood that variations may be made in this specific structure, without departing from the scope of the invention, as described and claimed.

In the drawing, forming a part of this application:

Figure 1 is a vertical sectional view, through a shaving brush constructed in accordance with this invention.

Figure 2 is a view showing the handle sections in disassembled relation, and the handle sections carrying the bristles in section.

Figure 3 is a plan view of the end of the handle section carrying the bristles.

The shaving brush includes a pair of co-

operating handle sections 1 and 2, the section 1 carrying bristles 3, mounted in the annular recess 4, formed in one end of the handle section 1, the central portion of the bristle carrying end, being formed with a tapered opening 5, to provide a restricted passage for the exit of the liquid soap to be discharged to the interior of the bristles 3. The central portion of this handle section 1 is formed with a cylindrical bore 6, adapted to receive a suitable capsule 7, formed of rubber or similar material, and adapted to contain liquid soap, the end of the capsule being tapered, as indicated at 8, to conform to and fit the tapered opening 5 in the section 1. The other end of the handle section 1, is provided with a threaded reduced extension 9, adapted for cooperation with a threaded socket 10, in the handle portion 2, so that each of the handle sections 1 and 2 may be interlocked, in handle forming relation.

The section 2 of the handle is provided with a recess opening through the free end of the section, and indicated at 11, for receiving and housing a coil spring 12, interposed between the button 13 of cylindrical form, and slidable in the end portion of the recess 11, and the end wall of the recess. A rod 14, connects the button 13 with a disc member 15 carried in a depression 16, formed in the handle, in the end formed with the socket 10, and opening into the socket, as clearly shown in Figure 1. The spring 12 normally pushes the button 13 outwardly of the recess 11, and maintains the disc 16 in the socket 15 for preventing said disc from engaging the capsule 7.

From this description, it will be clear that when it is desired to supply a charge of soap to the brush 3, a depression of the button 14 will force the disc 15, outwardly into the bore or chamber 6, in the handle section 1, to engage the end of the capsule 8, and partially compress the same, for forcing a limited amount of the liquid soap, through the nozzle portion 5, and into the central portion of the bristles 3, so that the same may be suitably lathered in the usual manner, on the face of the user of the brush, preparatory to shaving. The spring 12, retracts the button 13, and the disc 15, restoring it to the position shown in Figure 1, while the capsule 7, which is formed of rubber, will naturally tend to assume its normal position, and in assuming this position

will draw in a sufficient amount of air to occupy the place of the liquid soap ejected through the nozzle, so that in a subsequent operation of the button, another charge of liquid soap will be ejected through the nozzle 5, and into the bristles 3.

It will thus be seen from the above description, that a convenient form of shaving brush has been provided, wherein the handle portion is formed of cooperating sections, one of which carries the brush or bristles, and also a liquid soap containing capsule, while the other handle section carries a means for compressing a capsule, to eject the liquid soap, the sections being separable, for permitting the insertion or removal of the capsule, in order that new capsules filled with liquid soap may be substituted for empty ones, from which the soap has been completely discharged.

What is claimed is:

A shaving brush of the class described, including a pair of cooperating handle sections, one end of one of said sections being formed with an annular recess, bristles mounted in said annular recess, the central portion of the end of said handle section, being formed with a nozzle opening, of tapered form, the remaining portion of said

section being formed with a central bore, adapted to receive a liquid soap containing capsule, compressible for discharging the liquid soap through said nozzle into the bristles, the other handle section being adapted for removable connection with the last mentioned handle section, and formed with a central recess, a button slidable in the end of said recess and adapted to normally project beyond the end of said handle section, a compressing disc mounted in the opposite end of said handle section, and adapted for extension into the bore of the first mentioned handle section, for compressing the capsule therein, a rod connecting the button and the disc, and resilient means positioned in the recess in the last mentioned handle section between the button and the end thereof, for normally holding the button in projected position beyond said handle section, and the disc in inoperative relation, whereby the depression of the button in the end of the handle section will cause a corresponding operation of the compressing disc for engaging said capsule, to force a charge of liquid soap through said nozzle into the bristles.

In testimony whereof I affix my signature.
FREDERICK L. MERRICK.