F. J. McGUANE.

SHAVING BRUSH.

APPLICATION FILED SEPT. 29, 1910.

1,070,976. Patented Aug. 19, 1913.

Fig. 1.

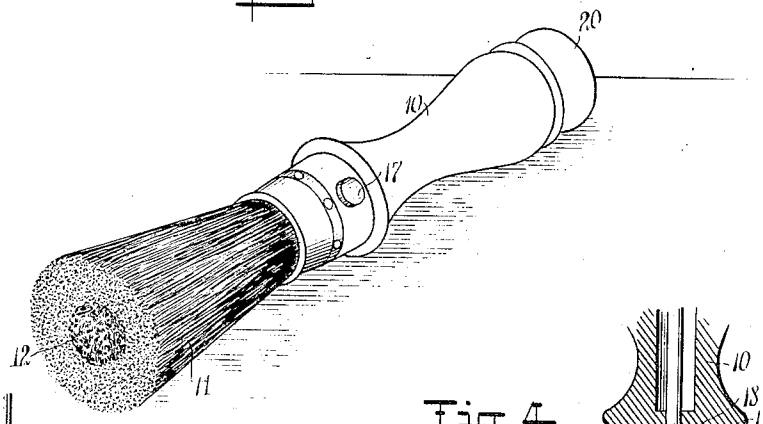


Fig. 3.

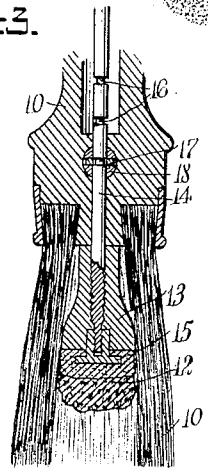
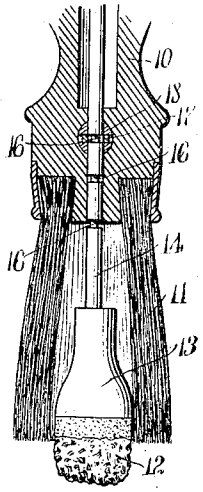
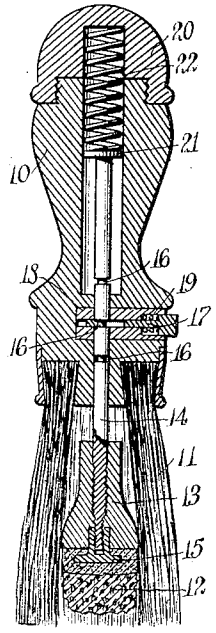


Fig. 4.





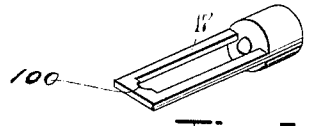


Fig. 5.

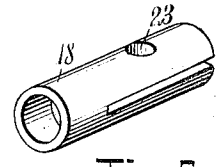


Fig. 6.

Fig. 2.

WITNESSES

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SHAVING-BRUSH.

1,070,976. Specification of Letters Patent. Patented Aug. 19, 1913.

Application filed September 29, 1910. Serial No. 584,435.

To all whom it may concern:

Be it known that I, FELIX J. McGUANE, a citizen of the United States, and a resident of Chicago, in the county of Cook and State of Illinois, have invented a new and Improved Shaving-Brush, of which the following is a full, clear, and exact description.

The invention is an improvement in shaving brushes, and has in view a device of this character in which is associated therewith, a lather rubber relatively firmer than the bristles, the rubber being adapted to be brought into action with and independent of the brush, or be moved to inoperative position.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of a shaving brush constructed in accordance with my invention; Fig. 2 is a vertical central section of the same, showing the rubber in position for spreading the lather and rubbing it into the skin; Fig. 3 is a vertical section through the lower portion of the brush at right-angles to the section shown in Fig. 2, with the rubber in inoperative position; Fig. 4 is a similar section, with the rubber fully projected beyond the bristles, as for lathering places of limited area, such as the lips; Fig. 5 is a perspective view of the push button removed from the brush; and Fig. 6 is a similar view of the push button socket.

The brush comprises a handle 10 and bristles 11, the latter being preferably annularly arranged to provide a central passage for receiving a lather rubber 12 having a soft absorbent working head relatively firmer than the bristles of the brush, this working head generally consisting of sponge rubber having a backing of relatively hard rubber which is bound to a backing piece 13 by a stem 14 and thimble 15, the thimble having an external flange embedded in the head of the rubber, with the body of the thimble internally threaded and screwed to the lower end of the stem 14, said stem having an enlarged threaded portion above the thimble, on which the backing piece 13 is screwed. The stem 14 is slidable longitudinally in the handle 10 of the brush, and at an intermediate point is provided with a number of spaced circumferential grooves 16, the grooves arranged to be successively engaged by the recessed end 100 of a locking member 17 slidable transversely of the brush, the locking member preferably in the nature of a loop having a push button and slidable in a cylindrical socket member 18 inserted in the side of the brush handle and above the bristles. This socket member is shown to have a counterbored outer end portion to receive the push button, and also a spring 19 operating to force the button outwardly and bring the said recessed end of the loop to bear against the stem, whereby the same will snap into one of the grooves 16 when the latter registers therewith. The upper portion of the handle 10 is counterbored and provided with a removable cap 20, which is shown to be applied by screw-threads. The stem 14 extends well within the counterbored portion of the handle, where it is provided at its upper extremity with a head 21, between which and the cap is interposed a spring 22, tending to force the lather rubber downwardly or outwardly. The stem 14 passes through an opening 23 formed in the socket member 18 and secures the said socket in place.

In assembling the brush, the cap 20 is removed and the socket 18 inserted until the opening 23 is brought into register with the corresponding openings in the brush handle, the locking member being introduced into the socket member and pressed back to permit of the insertion of the stem. After the stem is introduced and allowed to pass down or outwardly the full limit of its movement, the spring 22 is inserted and the cap 20 applied. The stem at this time will project sufficiently beyond the bristles of the brush to permit of the ready application of the backing piece 13 and working head of the lather rubber 12.

In the use of the brush, the lather rubber is first brought to the position shown in Fig. 3, which is accomplished by forcing the rubber inwardly, while pressing on the button of the locking member, said button being released when the backing member 13 contacts with the brush handle, the rubber being thereby prevented against further travel, the locking member is now in position to engage the lower groove 16, which may be accomplished by releasing the button. In this position, the face is lathered. The button is then forced in to release the locking member and allow the lathering head to pass to the position shown in Fig. 2, when the button is

released and the locking member engaged with the intermediate groove. With the lathering head thus set, the lather is spread and rubbed in. In lathering the lips and other limited places, the locking member is released and engaged in the third or upper groove, when the rubber will project beyond the bristles, as shown in Fig. 4. The lathering head can be returned to any of its positions against the action of the spring by simply pressing the brush to the face while the button locking member is disengaged. With the brush thus constructed it is unnecessary for the user to place his fingers in the lather to rub it in, or to move the lather rubber, the latter being operated by simply working the push button.

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

A shaving brush having a stem slidably mounted in the handle, a spring tending to force the stem downwardly, a lather rubber attached to the lower end of the stem and mounted between the bristles of the brush, a locking member mounted in the handle and slidable transversely thereof, the locking member being in the form of a loop embracing the said stem, the stem being provided with grooves, the side walls of which are adapted to engage the said looped locking member when the said member is in one position, and a spring for maintaining the member in such position, whereby the position of the rubber is determined.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

FELIX J. McGUANE.

Witnesses:

THOMAS L. RIORDAN,

WILLIAM CULHANE.