Nov. 20, 1923. 1,475,101

R. M. WITHYCOMBE

BRUSH FOR SHAVING, MASSAGING, OR OTHER TOILET PURPOSES

Filed May 9, 1922

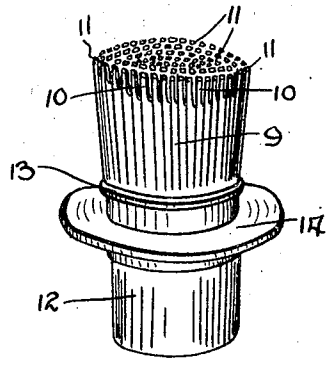


Fig. 1.

Fig. 4.

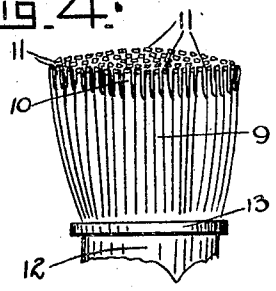
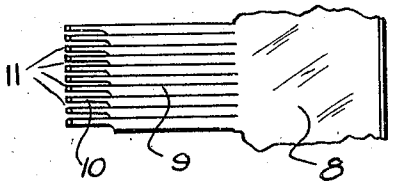


Fig. 2.



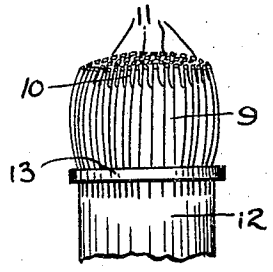


Fig. 5.



Fig. 3.

Inventor
Robert Morse Withycombe
By James L. Norris
Attorney

Patented Nov. 20, 1923. 1,475,101

UNITED STATES PATENT OFFICE.

ROBERT MORSE WITHYCOMBE, OF SYDNEY, NEW SOUTH WALES, AUSTRALIA.

BRUSH FOR SHAVING, MASSAGING, OR OTHER TOILET PURPOSES.

Application filed May 9, 1922. Serial No. 559,544.

To all whom it may concern:

Be it known that I, ROBERT MORSE WITHYCOMBE, a subject of the King of Great Britain, residing at Sydney, in the State of New South Wales, Commonwealth of Australia, have invented certain new and useful Improvements in Brushes for Shaving, Massaging, or other Toilet Purposes, of which the following is a specification.

This invention relates to brushes composed wholly or partly of soft vulcanized rubber and is especially useful for shaving or massaging the face, my object being to produce an inexpensive brush which is readily cleaned and easily maintained aseptic, and one adapted to hold temporarily some of the liquid, paste, or powder to be applied when necessary.

The present invention consists in taking a strip of soft vulcanized sheet rubber of good quality and of a width from about 3 to 6 inches. The strip is cut transversely with any suitable tool or cutter for a portion of its width so as to form a series of narrow fingers or filaments, the ends of which may be further reduced in width by cutting. The strip so cut is then wound under tension to form a shank, preferably cylindrical, from which the filaments extend outwardly forming the brush portion. Preferably the strip is so wound that the inner filaments extend beyond the outer turns giving the bunch of filaments a slight taper or convexity at the end. The shank may be fitted in a convenient handle and the winding may be secured by a suitable cement or binding. The handle may have a slidable sleeve adapted to be pushed upwardly to compress the bunch of filaments adjacent their base, or I may provide a rubber ring adjustably positioned to compress the bunch of filaments at any desired point in their length. Around the brush a wide rubber ring may be placed so that the frictional grip on its inner periphery will give it a cupped shape forming a guard to prevent any liquid running down the hand holding it. The free ends of the filaments are preferably tapered and I find this is easily effected by skiving or paring the rubber strip at one end before cutting the filaments.

Referring to the accompanying drawings I will now describe the preferred embodiment of my invention applied to a shaving brush.

Figure 1 is a perspective view of a complete brush.

Figure 2 is a plan of portion of the rubber strip before winding, showing the form of filaments preferred, while

Figure 3 is a section thereof.

Figures 4 and 5 are part elevations of a brush showing the adjustable rubber ring at different positions for compressing the bunch of filaments.

8 is a strip, approximately 12 to 18 inches by 3 to 6 inches, of soft vulcanized sheet rubber, portion being cut into fingers or filaments 9 which are reduced in width towards their extremities 10 and their ends or points tapered as at 11. Before cutting the strip it may be rolled transversely lengthwise so that it is given a slight convexity outwardly which, on winding the strip, causes the filaments cut therein to incline towards the centre. In some cases I may have a central core upon which the strip is wound. The strip is wound under tension and cemented at the shank 12, the inner windings extending beyond the outer ones resulting in a slight tapering or convexity of the bunched filament ends.

The rubber ring 13 may be moved to any point in the length of the filaments in order to impart the desired degree of flexibility. The guard 14, which may be of rubber, is frictionally held on the outer winding and acts as a guard to prevent liquid running down to the handle. This handle may be the shank or uncut portion of the wound rubber strip or it may be a suitable socket in which the shank is held.

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

1. A shaving brush or the like, formed of a strip of vulcanized rubber wound upon itself under tension, said strip having slits at one of its edges forming a plurality of filaments, said filaments being of reduced and substantially uniform cross-section for a portion of their length adjacent their free

ends whereby, when said strip is wound under tension, liquid holding pockets are formed between adjacent filaments.

2. A shaving brush or the like, comprising a strip of vulcanized rubber having a plurality of slits at one edge, one corner of each of the filaments formed by said slits being cut away, said strip being wound upon itself under tension with the cut-away portion of each filament separated from the straight edge of the adjacent filament, each of said filaments being beveled at its free end.

In testimony whereof I have hereunto set my hand.

ROBERT MORSE WITHYCOMBE.