June 26, 1928. 1,674,972

S. W. KENDRICK ET AL

SHAVING BRUSH

Filed July 8, 1926

Fig. 1.

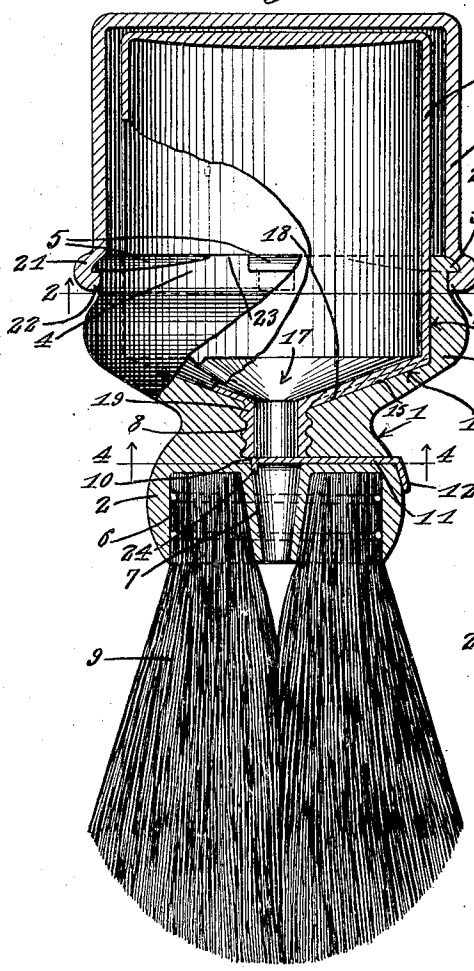


Fig. 2.

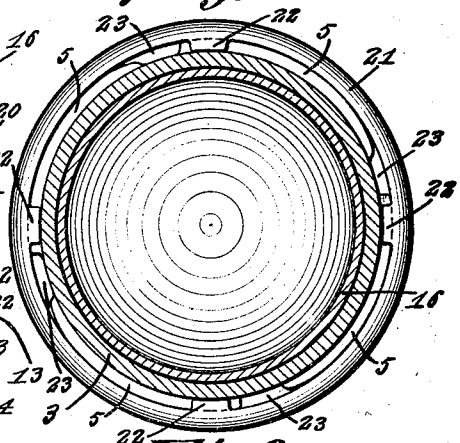


Fig. 3.

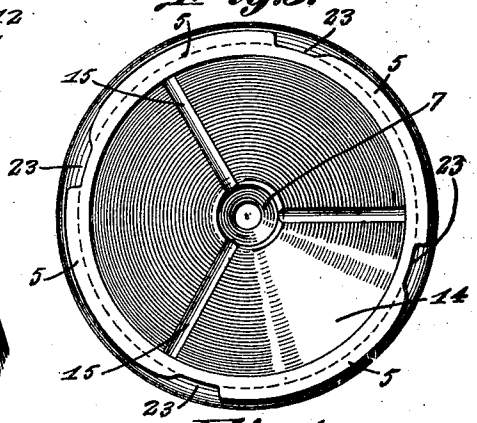


Fig. 4.

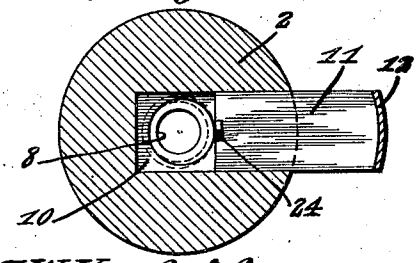
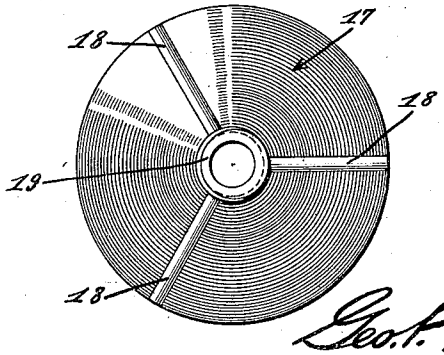


Fig. 5.



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BY

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Patented June 26, 1928. 1,674,972

UNITED STATES PATENT OFFICE.

SAMUEL W. KENDRICK AND JOHN E. MARTIN, OF GREAT FALLS, MONTANA, ASSIGNORS TO KENMAR BRUSH COMPANY, A CORPORATION OF MONTANA.

SHAVING BRUSH.

Application filed July 8, 1926. Serial No. 121,167.

This invention relates to a brush and pertains particularly to a shaving brush having means for attaching a tube of shaving cream and feeding the contents through the brush for use.

The primary object of this invention is the provision, in a manner as hereinafter set forth, of a shaving brush having a hollow handle and further having the brush carrying shank formed to receive one end of a tube of cream and to pass the cream into the bristles from the rear thereof when the tube is squeezed.

Another object of the invention is the provision, in a manner as hereinafter set forth, of a shaving brush adapted to receive a tube of shaving cream for discharge into the bristles of the brush, and having means for cutting off the cream supply from the tube.

The invention will be best understood from a consideration of the following detailed description taken in connection with the accompanying drawing forming a part of this specification, with the understanding that the invention is not confined to any strict conformity with the showing of the drawing but may be changed and modified so long as such changes and modifications mark no material departure from the salient features of the invention as expressed in the appended claims.

In the drawing:—

Figure 1 shows the brush embodying this invention in longitudinal section, with portions thereof in partial elevation.

Figure 2 is a transverse section taken upon the line 2—2 of Figure 1.

Figure 3 is a top view of the brush with the handle removed.

Figure 4 is a transverse section taken upon the line 4—4 of Figure 1 and,

Figure 5 is a view of the top of a soap cream tube of the type adapted to be used in the brush embodying this invention.

Referring now to the drawing in detail wherein like numerals of reference indicate corresponding parts throughout, the numeral 1 indicates generally the head of the brush which as shown, constitutes a circular bristle tuft holding portion 2 and a handle cap engaging portion 3, the portion 3 being of materially greater diameter than the portion 2 as shown and terminating in the straight annular portion 4 about the outer face of which the wedge shaped locking lip flanges 5 extend.

The forward portion of the bristle carrying portion 2 is formed to provide a recess 6 in the center of which recess the nozzle 7 is located which nozzle aligns with a centrally extending passage or bore 8 through the body of the head 1, to convey the cream into the bristles 9, as required. As shown the bunched ends of the bristles 9 are secured in the recess 6 and cemented or otherwise appropriately held therein. When in this position the nozzle 7 which is of gradually decreasing diameter from its inner to its outer end, projects into the mass of bristles for discharging cream thereinto as desired. The portion 2 is provided with the flat passage 10 which extends from one side inwardly beyond the inner end of the nozzle 7, as shown in Figure 4. In this passage a sliding cutoff 11 is fitted, which cutoff is provided with a downturned portion 12 which abuts the side of the portion 2 when the cutoff is in and enables one to easily catch hold of the cutoff to withdraw the same when desired.

The handle carrying portion 3 is, as above stated, of greater diameter than the portion 2 and is shaped to form a receptacle having the vertical wall portion 13 and the concaved bottom 14 which inclines toward the center and the opening 8. This bottom 14 is provided with a plurality of radially extending grooves 15, which extend from the edge of the opening 8 to the wall 13.

A cream tube 16 formed of the usual collapsible metal, is adapted to fit in the receptacle forming the portion 3 of the brush body, with the head 17 of the tube resting upon the bottom 14 of the receptacle. The head 17 is relatively heavy and is provided with the outstanding ribs 18 which are designed to fit in the grooves 15 in the bottom 14 of the brush body. The tube 16 is equipped with the usual threaded discharge nozzle 19 which is designed to be screwed into the threaded passage 8 to hold the head portion of the cream tube in position in the receptacle portion 3 of the brush body. When the tube nozzle 19 is screwed into the passage 8, the ribs 18 will be forced into the grooves 15 and the tube will thus be locked in position. The end of the discharge nozzle 19 of the tube terminates just above the cutoff slide 11 when the tube is

fixed in position, as is clearly shown in Figure 1.

After a tube of the cream has been placed in position as shown, the handle 20 of the brush is fitted in position over the tube. This handle 20 as shown is in the form of an elongated shell open at one end and having a flange 21 at the open end from which inwardly projecting fingers extend as indicated at 22. When the handle is fitted in position these fingers are placed at the points 23 which brings them beneath the thin end of an adjacent securing flange 5 and, when the handle 20 is given a quarter turn the fingers 22 will pass along the curved underside of a flange and will draw the handle securely into position upon the brush body.

From the foregoing description it will be readily apparent that when one desires to use the brush, the handle 20 is removed and the cutoff slide 11 drawn outwardly whereupon the tube 16 is compressed to force some of the cream therefrom through the nozzle 7 and into the brush bristles. The slide is then re-inserted to cutoff the flow of cream and the handle cover 20 replaced upon the brush body whereupon the brush can be used in the usual manner, the cream working its way down between the bristles as the brush is used. The slide 11 is provided at its inner end with the downturned portion 24 which acts to prevent its complete removal.

Having thus described our invention what we claim is:—

1. A shaving brush, comprising a sectional shell forming a body and a brush stock separable from each other, said stock having a central passage therethrough, the outer portion of the passage being tapered and its remaining portion threaded, said stock further formed with a radially disposed flat passage extending from the outer face of the stock to and intersecting said central passage at the point of joinder of the tapered portion thereof with the threaded portion thereof, a collapsible tube having an externally threaded open mouth corresponding to the inner threaded portion of the passage for detachable engagement therewith, and a slidable cutoff member mounted in said flat passage and normally extending across the open mouth of said tube for closing said mouth.

2. A shaving brush, comprising a sectional shell forming a body and a brush stock separable from each other, said stock having a central passage therethrough, the outer portion of the passage being tapered and its remaining portion threaded, said stock further formed with a radially disposed flat passage extending from the outer face of the stock to and intersecting said central passage at the point of joinder of the tapered portion thereof with the threaded portion thereof, a collapsible tube having an externally threaded open mouth corresponding to the inner threaded portion of the passage for detachable engagement therewith, a slidable cutoff member mounted in said flat passage and normally extending across the open mouth of said tube for closing said mouth, and said slide having its inner end provided with means to prevent the complete withdrawal thereof from said stock.

In testimony whereof, we affix our signatures hereto.

SAMUEL W. KENDRICK.
JOHN E. MARTIN.