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1,694,365

A. ALBRIGHT, 3D

SHAVING BRUSH

Filed June 2, 1927

Fig. 1

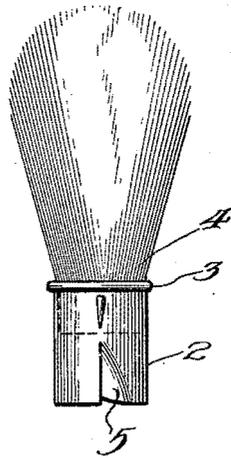


Fig. 2.

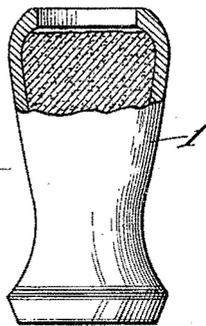
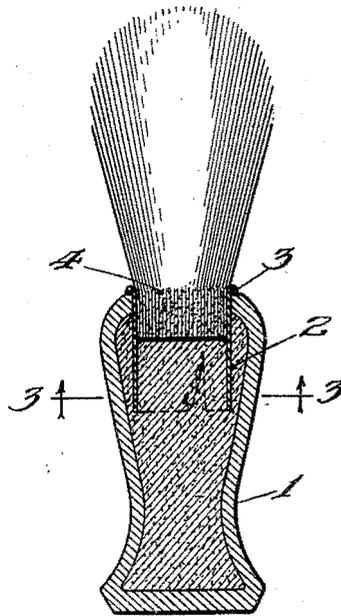


Fig. 3.

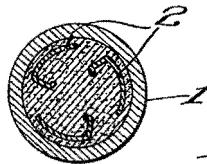


Fig. 4.

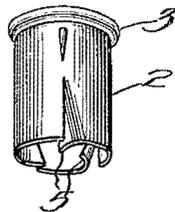
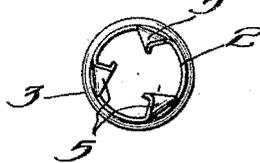


Fig. 5.



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UNITED STATES PATENT OFFICE.

ANDREW ALBRIGHT, 3D, OF MAPLEWOOD, NEW JERSEY.

SHAVING BRUSH.

Application filed June 2, 1927. Serial No. 195,889.

This invention relates to shaving brushes. A principal object is to provide a construction in which the knot is securely locked in the ferrule and in which the ferrule is so fixed in the socket of the handle as to prevent either endwise or turning movement of the ferrule relative to the handle; to provide a construction of the character last referred to, in which the ferrule is so designed that after the knot is in place in the ferrule, an effective interlocking bond will take place between the knot, ferrule and cement in the hollow handle; to provide a construction of the above character in which portions of said cement are interlocked with the crimped or split portions or fins formed on the inner edge of the ferrule; to provide a construction which permits of the use of a one-piece handle which can be formed in any desired configuration and made to resemble, if desired, either a one-piece or a multi-piece handle; to provide a construction which is economical to manufacture and in which the parts are not loosened relative to each other, and in general to provide a construction of the character last referred to.

The utility of the invention as well as other objects and advantages will be more apparent from the following description, reference being made to the accompanying drawings, in which

Fig. 1 is an elevational view of the handle, ferrule and knot, with a fragmentary portion of the handle in broken away vertical section.

Fig. 2 is a vertical sectional view showing the various elements in assembled position.

Fig. 3 is a cross sectional view taken on line 3-3 of Fig. 2.

Fig. 4 is a perspective view of the ferrule.

Fig. 5 is a bottom face view of said ferrule.

Referring more particularly to the drawings, 1 designates a handle which, as a feature of the invention, may be preferably made of one piece, the closed end being integral with the body of the handle and the other end open to receive the ferrule, designated as a whole 2. The particular configuration of the handle shown in the drawing is merely illustrative and the style may be modified as desired. The ferrule 2 may be of metal and may be provided at one end with a bead 3. The knot 4 is formed of suitable bristles as is well known to those skilled in the art. The inner end of this knot which is inserted in the

ferrule 2 from the plain end may be coated with suitable cementitious material such, for instance, as rubber cement, and after the knot is in place in the ferrule, additional rubber cement may be added if desired. Either then or before the knot is inserted, either by hand or by suitable machinery, the inner end of the ferrule, that is the end opposite to the bead 4, may be suitably slitted and the walls adjacent the slits bent inwardly to form the tongues 5, there being three of these tongues illustrated in the drawings. It is obvious, of course, that there may be any number, as desired.

The hollow handle 1 may now be filled to the extent desired with suitable cementitious material, as for example Portland cement, or the like, it being necessary to utilize a cement which produces a very rigid structure upon setting. The handle may then be stood on its closed end and the ferrule and knot assembled as heretofore described may be then inserted into the open end of the handle. The position of the brush is then reversed and the cement while still in wet or plastic state flows down into the ferrule and around the curved split tongues 5, as the cement sets it forms a bond with the inner end of the ferrule and particularly with the curved split fingers 5 heretofore described. Preferably the outer periphery of the ferrule may be provided with small lugs so shaped as to form wedge-like elements, facilitating frictional engagement with the inner periphery of the handle when the ferrule is inserted in the socket in the handle, these also perform the function of holding the ferrule and knot firmly in the handle while the complete brush is turned upside-down allowing the cement to flow completely in and around the prongs of the ferrule and harden while in this position without any of it leaking through the bead or tilting the knot and ferrule from a straight line with the handle.

From the foregoing it will be apparent that I obtain a very effective locking engagement between the ferrule and handle, preventing either endwise or turning movement of either relative to the other and forming at the same time a rigid cemented locking engagement in a very economical and effective manner.

By making slots of appreciable width whereby the cementitious material will have an opportunity to flow between the inner wall

of the handle and the walls of the tongues in such a manner as to form an effective locking engagement.

I claim as my invention:

- 5 1. A shaving brush comprising a hollow one piece handle, a ferrule having secured therein a knot of bristles, curved tongues formed on said ferrule, and a cementitious filler in the hollow handle forming an interlocking bond with said tongues.
- 10 2. A shaving brush comprising a hollow

handle having a cementitious filler therein, a tubular shaped ferrule mounted in the end of the handle and having a knot of bristles received in the outer end thereof, a transverse partition in said tubular ferrule defining a depending hollow lower end thereof spaced from the interior periphery of the handle and affording an interlocking bond with said cementitious material.

ANDREW ALBRIGHT, 3RD.

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