

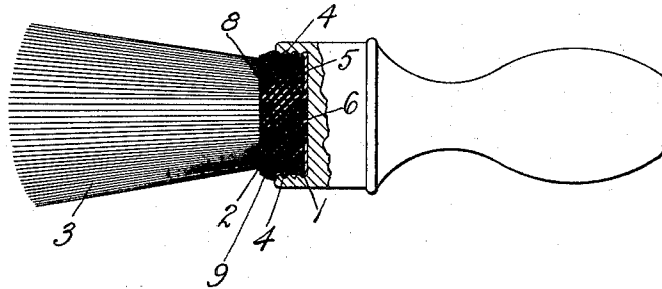
H. V. HARDMAN.  
SHAVING BRUSH AND THE LIKE.

APPLICATION FILED MAR. 5, 1910. RENEWED JAN. 6, 1914.

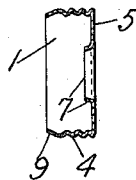
1,106,378.

Patented Aug. 11, 1914.

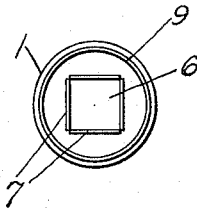
*Fig. 1*



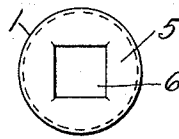
*Fig. 4*



*Fig. 2*



*Fig. 3*



*Witnesses*  
*Frank H. Wick Jr.*  
*Robert J. Boig*

*Inventor*  
*Herbert V. Hardman*  
*per Fred W. Parker*  
*Att'y.*

# UNITED STATES PATENT OFFICE.

HERBERT V. HARDMAN, OF BELLEVILLE, NEW JERSEY.

SHAVING-BRUSH AND THE LIKE.

1,106,378.

Specification of Letters Patent.

Patented Aug. 11, 1914.

Application filed March 5, 1910, Serial No. 547,428. Renewed January 6, 1914. Serial No. 810,658.

To all whom it may concern:

Be it known that I, HERBERT V. HARDMAN, a citizen of the United States of America, residing at Belleville, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Shaving-Brushes and the like, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention has particular reference to those shaving brushes which are provided with a removable bristle-bunch having a ferrule provided with screw threads which permit it to be screwed into and out of a threaded socket in the handle of the brush.

My object is to so construct the ferrule that the bunch-head will be locked against coming loose in the ferrule during the act of screwing the bunch in or out of the handle socket.

To this end my invention consists in the peculiar features and combinations of parts more fully described hereinafter and pointed out in the claim.

In the accompanying drawings, Figure 1 represents a longitudinal section of my improved ferrule for shaving brushes and the like. Fig. 2, a front view of the ferrule, Fig. 3, a back view thereof, and Fig. 4 is a sectional edge view.

The numeral 1 indicates an integral stamped-out sheet metal ferrule adapted to surround the head 2 of a bunch of bristles 3 such as those in an ordinary form of shaving brush. Screw threads 4 are formed in the periphery of the ferrule, the edges of which are converged inwardly to form a bevel 9 in order to bind and lock the bunch against pulling out. Thus far the construction is old and common to the art. It has been found in practice that the bristle-bunch 3 will sometimes turn on its longitudinal axis in the ferrule when the latter sticks too

tightly in the handle socket during the operation of exerting power in endeavoring to unscrew the bunch therefrom. When this trouble occurs, it is impossible to remove the bunch from the handle and great annoyance is the result. To overcome such difficulty, I form in the back 5 of the ferrule a recess 6 preferably rectangular in shape. Around the edges of this recess are inwardly extending integral flanges 7 serving as locking lugs which become embedded in the rubber or other cement 8 of the bunch head when the latter is inserted in the ferrule in a soft state. Upon the hardening of the cement these flanges will prevent the bristle bunch from rotating within the ferrule, while the bevel 9 prevents the bunch from pulling out.

Although I have shown one particular form of my invention it is manifest that the construction could be varied in numerous ways without escaping the scope and spirit of my invention.

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

In a shaving brush, a bristle bunch ferrule consisting of a threaded body having a beveled edge in combination with a back wall having a rectangular recess around the edges of which are inwardly extending integral flanges serving as locking lugs which become embedded in the cement of the bunched head when the latter is inserted in the ferrule in a soft state, so that upon the hardening of the cement these flanges will prevent the bristle bunch from rotating within the ferrule while the bevel prevents the bunch from pulling out.

In testimony whereof I affix my signature in presence of two witnesses.

HERBERT V. HARDMAN.

Witnesses:

CHESTER DEPUY,  
JAMES GIBSON.