June 10, 1924. 1,497,647

F. E. SMITH

RAZOR ATTACHMENT

Original Filed April 5, 1921

Fig. 1.

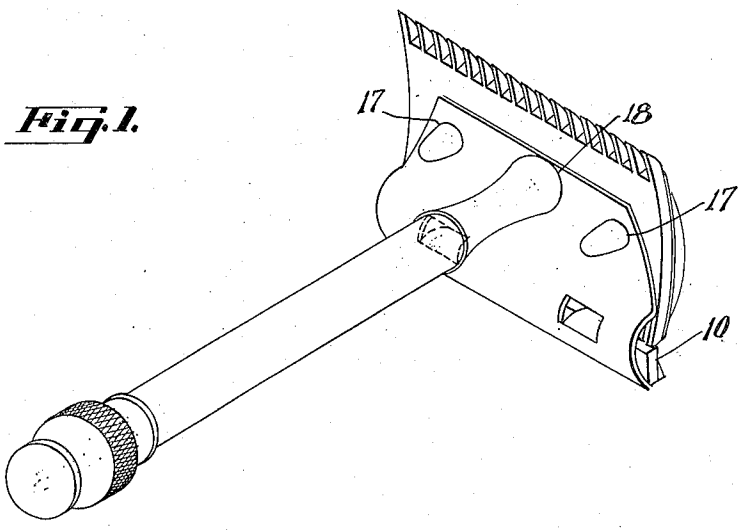


Fig. 2.

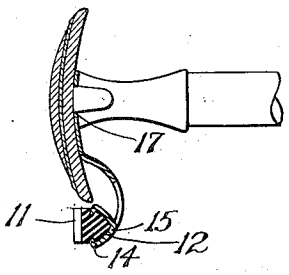


Fig. 3.

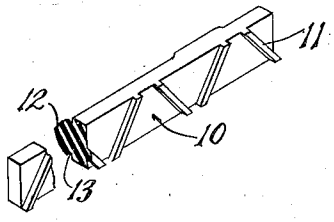
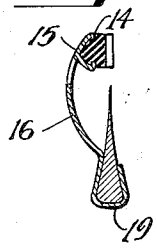


Fig. 4.



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Patented June 10, 1924. 1,497,647

UNITED STATES PATENT OFFICE.

FRANK E. SMITH, OF TONOPAH, NEVADA.

RAZOR ATTACHMENT.

Application filed April 5, 1921, Serial No. 458,667. Renewed January 30, 1924.

To all whom it may concern:

Be it known that I, FRANK E. SMITH, a citizen of the United States, residing at Tonopah, county of Nye, and State of Nevada, have invented new and useful Improvements in Razor Attachments, of which the following is a specification.

This invention relates to an attachment for razor blades.

It is the principal object of the present invention to provide means adapted to be readily applied to the blades of safety or straight razors whereby the skin in front of the cutting edge of the blade will be drawn smooth and taut as the shaving operation is carried out.

The present invention contemplates the use of a friction member mounted in connection with a razor blade and disposed in front of the cutting edge thereof in a manner to frictionally engage the skin and tend to stretch the same.

The invention is illustrated by way of example in the accompanying drawing, in which—

Fig. 1 is a view in perspective showing the application of the present invention to a safety razor.

Fig. 2 is a view in transverse section through the safety razor showing the attachment applied thereto.

Fig. 3 is a fragmentary view in perspective showing the friction member.

Fig. 4 is a view in transverse section showing the application of the present invention to a straight razor blade.

Referring more particularly to the drawing, 10 indicates a friction member. This device is rectangular in shape, forming a long narrow bar, preferably made of rubber. The operating face of this bar carries a plurality of diagonally disposed ribs 11, the ends of which are spaced a distance from each other to permit lather to pass therebetween while the faces of these ribs frictionally engage the skin of the person being shaved. The back of the bar 10 is formed with a longitudinal rib 12, upon the opposite sides of which grooves 13 occur. These grooves receive flanges 14 of a clamping clip 15, as shown in Figs. 2 and 4. The clip has an arcuate back plate 16 formed as a continuation of a clamping body. When the device is used for safety razors, this clamping body must be designed to agree with the construction embodied within the razor, as for example, in the form of the razor shown in Fig. 1, it is necessary to provide two centering openings 17, through the body of the clip and a central opening 18 through which the clamping screw of the razor extends. In the form of the invention shown in Fig. 4, it is only necessary to provide a yieldable clamp 19 adapted to pass around the back of a straight razor blade.

In operation of the present invention, application of the device to a razor is so made as to dispose the friction bar 10 in advance of the cutting edge of the blade. This bar is so held as to press against the skin of the face while the blade is cutting, and without interfering with the cutting action. This insures that the bulk of the lather on the face will be scraped away by the ribs and that the faces of the ribs will frictionally engage the skin to draw it taut. This action will make it possible for the beard to be more readily shaved and that a very clean shave will be effected. It will thus be seen that the present invention provides a simple attachment for razors of all classes by which a more thorough and clean shave may be produced.

While I have shown the preferred form of my invention, as now known to me, I wish it understood that various changes in the construction, combination and arrangement of parts may be made by those skilled in the art without departing from the spirit of the invention as claimed.

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

1. An attachment for razor blades, comprising a friction bar mounted upon the razor and disposed in advance of the cutting edge of the blade, said bar having spaced oppositely disposed diagonal ribs frictionally engaging the skin to pull the same taut as the razor moves, the spaces between the ribs forming passages for the lather.

2. An attachment for razors comprising a clip adapted to be secured in conjunction with a razor blade, and a friction bar of yieldable material mounted within said clip in advance of the cutting edge of said blade.

3. An attachment for razors comprising a plate adapted to be secured in conjunction with a razor blade and provided with a clip, a friction bar located in advance of the cutting edge of said blade and provided at the back with a rib held in said clip, and means

on the front face of said bar whereby frictional contact with the skin may be effected.

4. The combination with a safety razor, a plate adapted to be secured to a razor frame attachment, clips at the outer end thereof, and a friction bar disposed in advance of the cutting edge of the blade whereby said bar may frictionally engage the skin during the shaving operation, said bar being provided at the back with a grooved rib arranged in and engaged by said clip.

5. The combination with a safety razor, a plate adapted to be secured to a razor frame attachment, clips at the outer end thereof, and a rubber friction bar carried by said clips and disposed in advance of the cutting edge of the blade whereby said bar may frictionally engage the skin during the shaving operation, the face of said bar being formed with diagonal ribs to increase its traction.

FRANK E. SMITH.