June 17, 1952 J. D. KARLE 2,600,880

ATTACHMENT FOR SAFETY RAZORS

Filed April 13, 1950

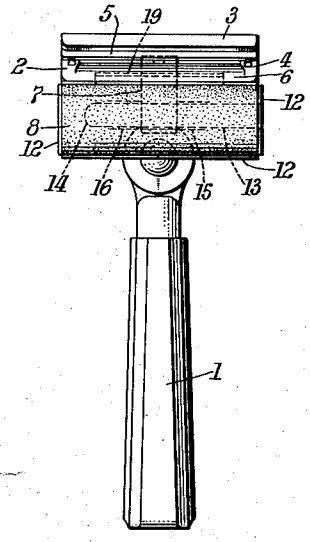


Fig. 1.

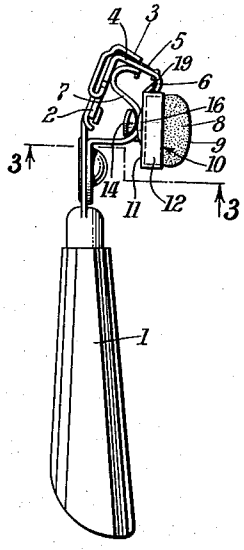


Fig. 2.

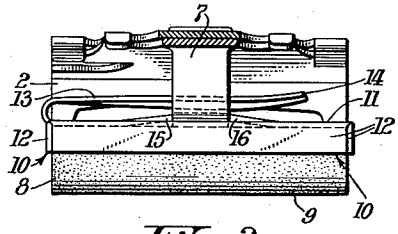


Fig. 3.

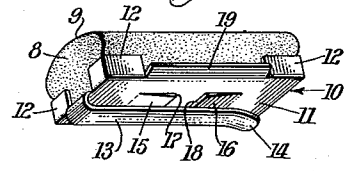


Fig. 4.

Inventor
John D. Karle
By
Marshall J. Breen
Attorney

Patented June 17, 1952

2,600,880

UNITED STATES PATENT OFFICE

2,600,880

ATTACHMENT FOR SAFETY RAZORS

John D. Karle, Roselle Park, N. J.

Application April 13, 1950, Serial No. 155,594

5 Claims. (Cl. 30—41)

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This invention relates to attachments for safety razors and it has for its principal object to provide a moisture retaining pad disposed immediately in advance of the cutting edge of the razor, whereby the shaving of the face may be accomplished more expeditiously and satisfactorily than heretofore.

It is another object of the present invention to provide a moisture retaining pad disposed so that in the normal use of the razor the skin can be readily moistened and thereby prepared for the finishing pass in the shaving of the face.

Still another object of the present invention is to provide a razor attachment comprising a moisture-retaining resilient pad disposed in advance of the cutting edge of the razor, whereby that portion of the face which has become relatively dry after shaving has commenced can be easily moistened during the normal use of the razor.

A further object of the present invention is to provide a moisture-retaining pad for a safety razor, which pad can be easily attached to a razor without the aid of screws or the like, and which pad can also be readily detached or removed from the razor for cleaning or otherwise.

Another object of the present invention is to provide a pad of the character set forth which, during normal use of the razor, massages the skin and at the same time draws the skin so that the hairs immediately in advance of the cutting edge of the blade are caused to stand perpendicular to the skin and be received by the blade accordingly.

Still another object of the present invention is to provide a razor attachment which is simple in construction, inexpensive to manufacture, and extremely effective in use.

Further features of the invention will be apparent from the following description with reference to the accompanying drawings, in which:

Fig. 1 is a front elevation of a safety razor of a well-known type having secured to it an attachment constructed according to the present invention.

Fig. 2 is a side elevation of the razor and pad shown in Fig. 1.

Fig. 3 represents an enlarged horizontal sectional view taken substantially along the line 3—3, Fig. 2, showing the moisture retaining pad resiliently clipped upon the razor immediately beneath the cutting edge of the blade.

Fig. 4 is an enlarged perspective view of the razor attachment, showing the details of construction of the spring-clip and the opposed

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razor-engaging ears which cooperate with the spring-clip in holding the pad properly on the razor.

Referring to the drawing in detail, it will be noted in Figs. 1, 2 and 3 that I have illustrated my attachment as being applied to one well-known type of safety razor known as the "Schick." This razor includes a handle 1 to which is suitably attached a blade-carrying head indicated generally as 2. This head consists of upper and lower blade-gripping jaws 3 and 4 resiliently urged together to frictionally retain a blade 5 with its sharpened edge in hair-cutting position. The lower blade-gripping jaw 4 at its front end is extended slightly forwardly of the blade and bent downwardly as at 6 to form a guard lip which, during the use of the razor, functions to protect the skin against contact with the sharpened edge of the blade 5. Attached to the razor immediately above the handle 1 is a bowed member 7 which rests at its upper end against the bottom surface of the lower jaw 4.

Referring to Fig. 4, which illustrates one form of my improved pad, it will be seen that the pad includes a body portion 8 preferably made of sponge rubber formed with a convex outer skin-contacting surface 9. The sponge rubber pad 8 is preferably adhesively attached to a sheet metal base or holder 10 having a flat bottom 11 formed along its four edges with upturned side and end walls 12. The pad 8 is preferably of such size and shape that when it is compressed within the side and end walls 12, the pad assumes the convex contour shown clearly in Figs. 2 and 4. Preferably formed integral with one end of the flat bottom 11 of the holder 10 is an attenuated projection 13 bent back into substantial parallelism with the bottom 11 of the holder and terminating in a slightly offset, rounded end 14. The projection 13 provides a spring clip opposed to the bottom wall 11 of the holder. Struck downwardly from the bottom wall 11 are two ears 15 and 16, the adjacent inner ends of which form straight pad-positioning shoulders 17 and 18. As clearly shown in Fig. 4, a portion of one of the upturned side walls is reduced slightly in height and bent at an angle of substantially 45 degrees with the flat bottom 11 to form a retaining lip 19.

With the above described constructive features of the moisture retaining device in mind, the manner in which the same is applied to the razor will now be described. The moisture-retaining device is held in the right hand with the sponge pad 8 forward and the razor is held

in the left hand with the bowed member 7 forward. The device is then alined with the razor so that the retaining lip 19 is positioned behind the guard lip 9 of the razor (Fig. 2) and the spring clip 13 is positioned to slide behind the bowed member 7. The moisture-retaining device is then pressed to the left so that it slides onto the razor, the final or operating position of the device being determined by the opposed shoulders 17 and 18 contacting the opposite sides of the bowed member 7, as clearly shown in Fig. 3. The spring-clip 13, the opposed shoulders 17 and 18, and the retaining lip 19 all cooperate with the associated parts of the razor securely to retain the moisture-retaining device on the razor immediately in advance of the cutting edge of the blade 5. From the foregoing, it will be understood that the moisture-retaining pad can be readily applied to the razor by merely sliding the pad on the razor, exercising only a small amount of care to aline the parts of the two devices properly. In removing the pad from the razor it is only necessary to press outwardly in a direction away from the razor on the corner of the moisture-retaining pad adjacent the free end 14 of the spring clip 13, thereby to flex the spring clip sufficiently to disengage the opposed shoulders 17 and 18 of the moisture-retaining device from the bowed member 17 of the razor, after which slight pressure on the end of the moisture-retaining pad will cause it to slide off the razor.

From the foregoing, it will be understood that I have invented an exceedingly simple moisture-retaining pad for a safety razor, which pad can be applied to the razor in a very quick and simple way without the use of screws or the like. It will also be understood that the device can be readily detached for cleaning and the like, and despite the facility with which the device can be attached to the razor or removed therefrom, the securing means employed adequately locks the device on the razor in the same position each time it is applied. While I have shown the preferred way of forming the sheet metal parts of the present invention, it will be understood that the details of construction and arrangement of the various parts of the device may be modified without departing from the invention.

It will be further understood that the sponge rubber pad used is preferably of uniform thickness before it is assembled in its supporting frame, and that the frame is so shaped that that portion of the pad which is embraced by the frame is compressed, leaving the remainder of the pad free to expand into the enlarged convex shape which is disclosed in the drawing. While this is preferably from the cost standpoint, it will be understood that the pad may be molded into its finished shape. Also, while I have shown the frame as being made of sheet metal, it will be obvious that the frame may be plastic, in which case it could be molded into shape with the spring-fingers properly embedded therein.

Having thus set forth the nature of the invention, what I claim herein is:

1. A moisture-retaining device for a safety razor having a sharpened blade, comprising a moisture-retaining pad, a frame to which said pad is secured, and mounting means for securing said device to said razor, said mounting means including a spring-clip and a retaining lip both extending from said frame.

2. A moisture-retaining device for a safety razor having a sharpened blade, comprising a moisture-retaining pad, a frame to which said pad is secured, and mounting means provided on said frame for securing said device to said razor, said mounting means including a spring-clip, and opposed razor-engaging shoulders disposed to cooperate with said spring-clip in securing the device to said razor.

3. A device adapted for attachment to a safety razor having a sharpened blade, comprising a pad, a frame to which said pad is secured, and mounting means provided on said frame for securing said device to said razor, said mounting means including a spring-clip, opposed razor-engaging shoulders and a retaining lip.

4. A device adapted for attachment to a safety razor having a sharpened blade, comprising a pad, a frame to which said pad is secured, said frame having a flat bottom and upstanding side walls, a finger projecting from said frame and disposed in substantial parallelism with said bottom to provide a spring-clip, ears struck from said bottom providing opposed shoulders adapted to engage between them a portion of said razor, and a retaining lip bent up from said flat bottom along one of its edges.

5. A device adapted for attachment to a safety razor having a sharpened blade, comprising a pad, a frame to which said pad is secured, said frame having a flat bottom and upstanding side walls, said pad being slightly larger than said frame whereby it is compressed by said side walls to provide a convex outer skin-contacting surface, and a spring-finger projecting from said frame and disposed in opposed substantially parallel razor contacting relation with the flat bottom of said frame.

JOHN D. KARLE.

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