RAZOR WITH LUBRICANT DISPENSER

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Filed: Dec. 21, 1971

Appl. No.: 210,319

U.S. Cl. 30/41, 30/90

Int. Cl. B26b 21/44

Field of Search 30/34.2, 41, 90

ABSTRACT

A safety razor having a hollow, perforate and rotatable cylinder disposed on each side of its blade support and adapted to stretch the skin and simultaneously dispense the lubricant uniformly in advance of the blade while the razor is in use.

3 Claims, 4 Drawing Figures
RAZOR WITH LUBRICANT DISPENSER

This invention relates to attachments for safety razors and in particular to razors having a moisture or lubricating chamber adapted to dispense its content disposed in advance of the action of the razor's cutting edge.

While the use of moisture-supplying components in conjunction with safety razors is known, e.g. U.S. Pat. No. 2,600,880, it is new to provide a razor having this accessory feature which combines the ability to deposite the moisture or lubricant uniformly and simultaneously to stretching the skin prior to the act of shaving. This capability is achieved by means of rotatable cylinders having macroscopic holes in their surface through which the fluid is metered continuously and evenly during rotation thereof regardless of the pressure the user of the razor exerts on the face. Further, the hollow cylinders are adapted to be supplied by a separate and renewable supply of the fluid to assure an uninterrupted source for a relatively, extended period of time.

One object of the invention is to provide a new and improved razor head for stretching and lubricating the skin prior to shaving.

Another object of the invention is to provide an improved lubricating razor head containing a supply of lubricant with means for insuring that such supply will last for comparatively long periods of normal use.

Other objects and advantages of the invention may be appreciated on reading the following description of one embodiment of the invention which is taken in conjunction with the accompanying drawings, in which:

FIG. 1 is an exploded perspective view of the invention showing the lubricating means detached from the razor;
FIG. 2 is a plan view of FIG. 1 in assembled relation;
FIG. 3 is an end view of FIG. 2 as seen from the left; and
FIG. 4 is a cross section taken on the line 4—4 of FIG. 2 showing the retention means for rotatable cylinders.

Referring to the drawings, razor 6 is provided with a handle 8 and head 10. The head 10 comprises a bottom plate 12 and a top plate 14 removable on the threaded end of the handle to accommodate a razor blade 16 therebetween.

The plate 12 is provided at each longitudinal edge with a channel 18 semi-circular in cross section into which cartridge cylinders 20 are disposed. Macroscopic holes 22 are provided in the surface of the cylinders to permit communication with their interior and the uniform dispensing of lubricant contained therein as the cylinders are turned on their own axes within the channels 18.

The cylinders 20 are removably connected to and in communication with plastic bulb 24 through wicks 26, which serve as a reservoir for the lubricant.

When the razor is in use, as seen in FIG. 4, the cylinders 20 function to stretch the skin and lubricate the area immediately ahead of the blade. As shown in FIG. 1 the cylinders 20 are removable, if desired, from the channels and detachable from the lubricant supply for renewal of the latter. As the razor is moved across the face the cylinders 20 roll on their own axes to press and stretch the skin while the macroscopic holes 22 feed lubricant thereto which has been obtained from the wicks 26. The pressing, stretching and lubricating of the skin occurs prior to the actual shaving operation.

What is claimed is:

1. A shaving razor having a bottom plate, a support member extending from one edge thereof, and a cylinder rotatably disposed in said member and having a perforated surface adapted to pass lubricant from the interior of the cylinder, a lubricant supply member is, a wick, said wick extending into both said supply members and said cylinder to pass the lubricant from said supply member to said cylinder.

2. A razor as defined in claim 1 wherein said support member is a channel extending longitudinally from one edge of the bottom plate.

3. A razor as defined in claim 2 wherein said cylinder is hollow and a channel extends from each side of the bottom plate, said cylinder being rotatably supported in each channel.