ABSTRACT: A safety razor head cover for shielding the edges of a razor blade operably mounted in said head for preventing the dulling of said edges and the cutting of adjacent articles stored therewith comprising a section of annular pipe or flexible sleeve at least as long as the razor blade and defining a tear drop longitudinal recess or slot for receiving the handle of said razor, and having a rest diameter less than the width of the razor head but when longitudinally compressed being wider than said head and thicker to slide over said head and blade mounted therein, the razor handle engaging in the slot, and upon release of said compression gripping said head but leaving said edges unengaged from any contact.
SAFETY RAZOR HEAD COVER

The invention relates generally to safety razor head covers for shielding the edges of razor blades operationally mounted in said heads.

When safety razors with blades operationally mounted in the razor heads are stored with other articles for travel, the blade is usually damaged and also damages at least some of the other articles stored therewith.

It is an object of the invention to shield the operationally mounted blade from damaging other articles with which it is stored and from damage to itself.

Another object of the invention is to save space by only enclosing the razor head.

Another object of the invention is to provide a cover that is easily operable with one hand to slip on and off a razor head but will nevertheless remain securely attached to the head until intentionally released.

Other objects of the invention and a full understanding thereof may be had by referring to the following description, claims and drawings in which:

FIG. 1 is a perspective view of the invention showing the teardrop recess or slot,

FIG. 2 is a perspective view showing the invention being held in a compressed condition adjacent a razor head for mounting thereon,

FIG. 3 is an end elevation of the invention mounted on the head of a safety razor, and

FIG. 4 is a bottom view of the invention taken along section line 4-4 of FIG. 3.

The invention (FIG. 1) is an article of manufacture and comprises a section of flexibly compressible pipe or sleeve 5 of circular cross section that is at least as long as the head of a safety razor. The pipe or sleeve 5 may be of neoprene or any suitable plastic that tends to return to its original shape after being longitudinally compressed. A tear-shaped recess or slot 6 is defined to extend longitudinally in the sleeve from one end to a point intermediate the other end and the middle of said sleeve, the narrowest part of the tear-shaped slot (somewhat less than the diameter of the razor handle) being defined adjacent said one end and the widest part (about said handle’s diameter) about in the middle of the sleeve. The diameter of the sleeve is critical and should be less than the width of the razor head 8 when in its natural cylindrical shape and more than the width when it is longitudinally compressed to not less than the thickness of the razor head. The dimensions of the usual razor head is approximately 1 ¾-inches long, 1 -inch wide, and ¼-inch thick. The handle 9 is about one-fourth inch in diameter. The longitudinal compression of a cylindrical sleeve for a given distance results in an extension of the sleeve along the axis normal to the compression axis of one-half said given distance. Since it is desirable for the sleeve not to engage the blade edges at any time (see FIG. 3) the dimensions of the sleeve should not result in a tight exact fit of the cover over the head. For the average razor head the best performance should be obtained from the following dimensions: length 1 ¾ inches, diameter seven-eights inch, and the widest part of the tear-shaped slot one-fourth inch and extending fifteen-sixteenths inch from one end of the sleeve. FIG. 4 shows shape of slot 6 with cover on.

To operate, the sleeve 5 is compressed between thumb and forefinger as shown in FIG. 2 and the razor head 8 is slipped into the flattened sleeve with the handle 9 of the razor engaging in slot 6. The sleeve 5 is then released and in tending to return to its natural shape grips the head 8 and the face guard 11 but clearing the edges of blade 10 which are left shielded and unengaged by the sleeve as shown in FIG. 3. To remove, the cover 5 is recompressed as explained above and slipped off the head.

1 claim:

1. In combination with a safety razor having a head and a handle, a head cover for shielding the edges of a razor blade mounted in said head and comprising: a length of flexibly compressible pipe at least as long as a razor blade, said pipe having a circular cross section variably compressible to annular cross-sectional dimensions ranging from the normal circular diameter of less than the width and more than the thickness of the razor head to unequal transverse diameters of more than the width and the thickness of said head, said pipe defining a longitudinal slot extending from one of its ends for at least half the length of said pipe plus the radius of the razor handle for receiving said handle, said slot being tear-shaped and having its narrowest part at the end of the pipe and its widest part at the center of the pipe, whereby when said pipe is compressed between two fingers without stretching it can be slipped along and over the razor head and blade without touching them, the handle engaging in the tear-shaped slot, and when compression is released tends to resume its original circular cross-sectional shape to initially engage and grip the razor head with a force equalized in part by the tear shape of said slot and to be retained thereon by said force to shield the edges of the razor blade from damage and damaging adjacent articles.

2. A variably compressible pipe as described in claim 1, wherein said round cross section having equal diameters along normal axes is compressible a distance along one axis to provide half said distance increase along the other axis.