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N. L. KEARNEY

2,298,056

RAZOR ATTACHMENT

Filed March 5, 1940

FIG. 1.

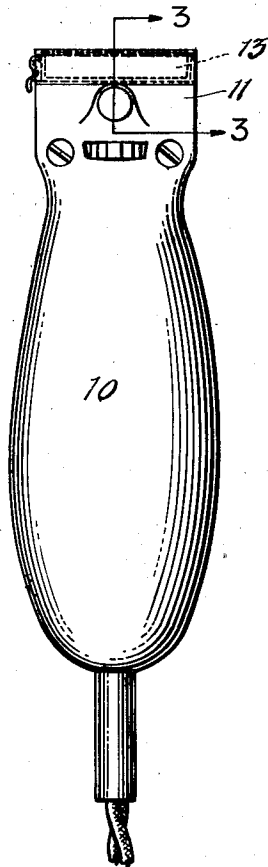


FIG. 2.

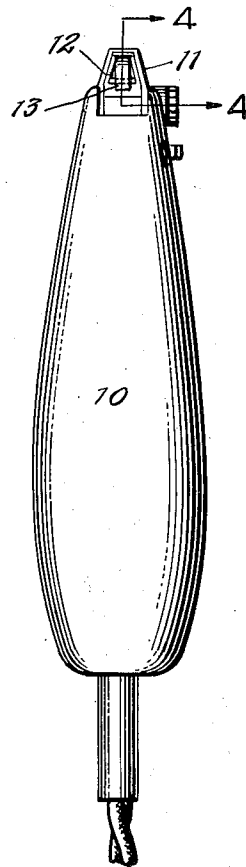


FIG. 3.

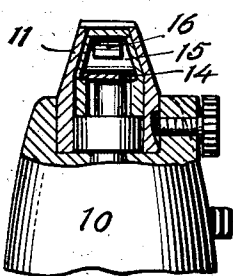


FIG. 4.

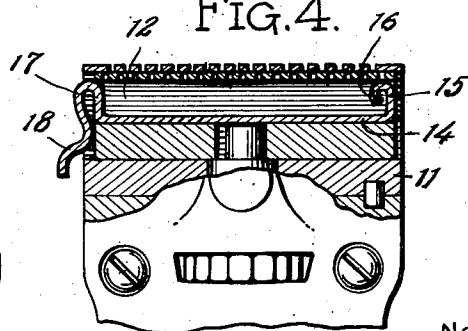


FIG. 5.

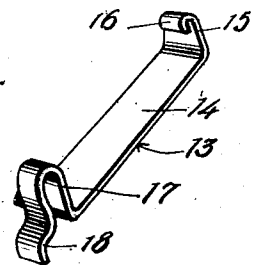
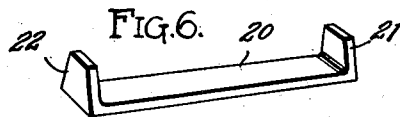


FIG. 6.



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2,298,056

RAZOR ATTACHMENT

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Application March 5, 1940, Serial No. 322,294

1 Claim. (Cl. 30—41)

My invention relates to razor attachments, and more particularly to a hair retaining attachment for electric or power razors.

I am aware that the idea, broadly, of providing a hair retaining attachment for electric safety razors is not new. One such attachment consists in the provision of closure flaps hinged to the cutter head of an electric razor at the opposite ends of the chamber opening into which the hair cuttings are deposited. Where this form of attachment is used, it is obviously necessary to modify somewhat the structure of the basic razor.

Another form of attachment consists in the provision of a hair retainer adapted to be fitted over the cutter head of the razor and held in place by its snug engagement or frictional contact with the side and end wall portions of the razor. This latter type attachment is objectionable, not only because of its obvious awkwardness, but also because of the accuracy with which it is required to be made. Moreover, in neither of the attachments above referred to is any provision made to prevent the cut hair from crowding into and clogging the joints between the fixed and reciprocating cutter head members of the razor.

One object of the present invention is to provide a hair retaining means or member adapted for fitting engagement substantially wholly within (rather than exteriorly of) the cutter head of a conventional electric razor.

Another object of the invention is to so form the hair retaining member as to prevent clogging or fouling of the joints between the relatively movable cutter head members due to hair accumulation.

A further object of the invention is to provide an electric razor attachment which is the acme of simplicity; is self-contained; may be manufactured and sold at small cost; can be used with razors of conventional design without modifying in any way the basic razor; and can be detached and replaced by sliding movement after the fashion of an ordinary drawer.

Other objects will be apparent from a reading of the annexed detailed description in connection with the drawing, in which:

Fig. 1 is a side elevation of a "Schick" electric razor, with the attachment or hair retaining drawer in place;

Fig. 2 is an end or side view of the razor as shown in Fig. 1;

Fig. 3 is an enlarged section on the line 3—3 of Fig. 1;

Fig. 4 is an enlarged section on the line 4—4 of Fig. 2;

Fig. 5 is a perspective view of the drawer attachment, and

Fig. 6 is a perspective view of a modified form of drawer.

In the embodiment of the invention selected for illustration, the "Schick" razor is shown. The body or handle of the razor is designated as 10. At one end of the body a cutter head 11 is provided. The head 11 has formed therein the usual chamber 12 into which the hair particles or cuttings are deposited and from which they are required to be periodically removed and the razor cleaned. Ordinarily, the chamber 12 is open-ended and cleaning is accomplished by inserting within one or the other of the open ends a brush or other suitable cleaner. Where no attachment or hair receptacle is provided, the hair particles, during shaving, enter the chamber 12, and since it is open at both ends, the hair particles or cuttings fall out and scatter at random. This is definitely objectionable in the interest of cleanliness.

By the present invention, the hair particles are contained within the confines of the basic razor until such time as it becomes necessary to clean the razor head. To admit of such retention a sliding receptacle or drawer is provided. This receptacle or drawer is designated in the drawing in its entirety as 13. In the preferred embodiment of the invention, the receptacle or drawer 13 comprises a single strip 14 of suitable material (preferably a metal) cut in size to accurately and snugly fit within the chamber 12 of the cutter head 11 of the razor. At one end, the strip 14 is upturned as at 15 and bent inwardly and downwardly as at 16 to provide an effective end closure for the chamber 12. At its opposite end, the strip is similarly upturned as at 17, but instead of being bent inwardly and downwardly, it is bent outwardly and downwardly as at 18 to provide not only an opposite end closure for the chamber 12, but also a handle. By grasping the handle or outwardly bent portion 18, the receptacle or drawer may be slid into and out of operative position as desired. The end closures 15 and 17 of the receptacle not only retain the hair clippings or particles within the chamber 12 until such time as it is necessary to clean the cutter head, but they also prevent the clippings from clogging the movable cutter head blades or members. Preferably, the receptacle or drawer 13 is coextensive in length with the chamber 12 and so dimensioned as to fit entirely

(except for the handle in the preferred embodiment) therewithin. By giving the receptacle or drawer a snug fit, no means, other than friction, is required to hold it firmly in place. When so fitted, it cannot interfere with the normal functioning of the razor, nor does it extend, when in use, beyond the cutter head, except as above, to accidentally or otherwise come in contact with the skin.

In the modification of Fig. 6, the idea is substantially identical with that described in connection with the preferred form of the attachment, except that the handle portion 18 of the drawer is omitted. Instead, the receptacle or drawer comprises merely a base portion 20 and end portions 21 and 22 which serve as end closures in the same manner as the end closures 15 and 17 previously described. In both instances, the receptacle or drawer is substantially self-contained, i. e., is confined to an out-of-the-way location best suited to the attainment of a comfortable and clean shave. Also, as previously stated, the attachment of my invention, regardless of which form is used, may be purchased separately and effectively used in connection with most electric razors of standardized construction now in use.

With the present invention, to clean the cutter head chamber it is only necessary to remove the drawer or receptacle as a unit. The drawer is both a receptacle and a cleaner and may, if de-

sired, be equipped with small narrow end brushes (not shown) as an aid to cleaning. Such brushes, however, are not essential, as it has been shown by prolonged use that the mere withdrawal of the receptacle or drawer is sufficient for all practical purposes.

While I have described my invention in detail in its present preferred embodiment, it will be obvious to those skilled in the art, after understanding my invention, that various changes and modifications may be made therein without departing from the spirit or scope thereof. I aim in the appended claim to cover all such modifications and changes.

I claim as my invention:

As an article of manufacture, a receptacle for hair cuttings adapted for slidable fitting engagement in the open-ended cutter head chamber of an electric razor, said receptacle being formed from an elongate strip of material bent intermediately of its ends to provide two upstanding end closure portions and also a handle, said handle being adapted to at all times extend beyond one end of said cutter head chamber and said receptacle being insertible and withdrawable as a unit from either of the open ends of said chamber with the end closure portion remote from said handle, during such sliding movement, functioning as a wiper to wipe clean the chamber walls.

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