HAIR TRIMMING IMPLEMENT

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Filed May 4, 1964, Ser. No. 364,227
4 Claims. (Cl. 30—30)

This invention relates to a hair trimming implement and, more particularly, relates to a small hand held implement utilizing conventional razor blades for trimming and shaping of the hair.

Various implements for trimming of the hair have been proposed by the prior art and have been commercially sold. These implements have, however, been somewhat uncomfortable to use due to the tendency to pull the hair of the user. In addition, it has been difficult to use with these implements to obtain a professional cut trim due to the tendency of the implements to cut only along the lay of the hair, leaving ridges therein.

It is, therefore, the primary object of this invention to provide an improved economical hair trimming implement which can be utilized by the user to provide an attractive hair styling, which is more comfortable to use and which can, with long life, provide the desired shaping and trimming of the hair.

It is a further object of this invention to provide an improved hair trimming implement of simple and economical construction which can be easily handled by the user and which employs standard razor blades in a construction facilitating change and installation of such blades by the user.

In accordance with these objects, there is provided, in a preferred embodiment of this invention, a hair trimming implement consisting of a body portion with integrally formed extending handles on each side thereof. The body portion is provided with a toothed edge on each side thereof and is provided with means internally to receive a conventional double edge razor blade to position the blade with the edge thereof very close to and inside the line defining the end of the teeth.

A removable cover is provided for the body portion to enclose the blades. The cover matches the outline configuration of the body portion and is provided with teeth on each edge, which teeth overlap the teeth on the body portion. However, the teeth of the comb on the cover are longer so as to extend substantially beyond the edge of the blade.

The teeth in the body portion and cover are disposed at an angle between 20° and 45° with respect to the edge of the blade, to provide shearing action for the cutting edge. To maintain the direction of the teeth substantially perpendicular to the handles for ease of use, the body portion holds the blade at said angle and the teeth extend over the blade.

The difference between the length of the teeth on opposite sides of the razor blade permit the user to vary the closeness of trimming of the hair by reversal of the implement.

The body portion is provided with socket receptacles on each end thereof. The cover is provided with a fixed stud on one end which is insertable into one socket. On the other end of the cover, socket members are provided integrally formed cantilevered arms. The arms can be bent by slight finger pressure when the cover is installed and when the finger pressure is released, the sockets will be urged into said other socket, holding the cover securely in place.

Having briefly described this invention, it will be described in greater detail along with other objects and advantages in the following portions of the specification, which may best be understood by reference to the accompanying drawings, of which:

FIG. 1 is a plan view of a preferred embodiment of the hair trimming implement showing the cover removed;
FIG. 2 is a plan view of the implement of FIG. 1 with the cover in place;
FIG. 3 is an elevation view of the implement of FIG. 2 showing cover installation; and
FIG. 4 is a partial plan view of the implement illustrating details of the cover.

In the figures, there is shown a hair trimming implement comprising a body portion 10, first and second handles 12 and 14 extending therefrom. The handles and body portion are preferably integrally formed with the handles extending along a common axis.

The body portion is generally of the form of an isosceles triangle having the apex integral with the handle 12 and a rounded base 11 integrally formed with handle 14. The edges 16 of the body portion is disposed at an angle with respect to the axis of handles 12 and 14. This angle is preferably greater than 20° and less than 45°. Along each edge 16, there is provided a plurality of teeth 18 extending outwardly therefrom. Each spaced apart tooth is disposed in parallel relationship with the remaining teeth and is perpendicular to the axis of the handles and, thus, at an angle with respect to the edge 16 of the portion. It has been found desirable that the teeth have a substantial separation no less than 1/8 in. opening with a 90° center-to-center distance. The body portion is provided with upstanding studs 20 to receive razor blades 22 of conventional form and to position said blades with the cutting edge 24 thereof parallel to the edge of said body portion along the length of said extending teeth. The cutting edge of said blades is so positioned as to be quite close to the ends of said teeth.

At each end of the body portion, there are provided sockets 26 and 28 for mounting of a cover on the body portion. The cover member 30 has the same outline as the body portion so as to mate therewith when installed in the implement. Thus, the cover member 30 is generally of the form of an isosceles triangle having a rounded base 31. The cover, therefore, is provided with sockets 32 to receive studs 20 thereby to position the cover properly with respect to the body portion.

The cover is provided with a stud 34 at the apex thereof which can be inserted and received by socket 26. At the other end of the cover, there is provided cantilevered arm members 36 with stud members 38 at the ends thereof. Therefore, to install the cover member over the body portion, the stud 34 is merely inserted in socket 26 and finger pressure is applied to the cantilevered members to deform the cantilevered members until the studs on the ends thereof clear the socket 28. Release of finger pressure on the cantilevered members will allow the cantilevered members to spring outwardly, urging the stud 34 into the socket 28 thereby to hold the cover member firmly on the body portion fixedly locking the razor blades in position. As illustrated in FIG. 3, removal is equally simple. The cover member is provided with a plurality of teeth 18 extending outwardly from each edge thereof which overlie the teeth 18 on the body portion, but which are longer than the teeth on the body portion.

In use thereof, the implement may be held in either hand by grasping one of the handles and passing through the hair thereby to trim the hair. By reversing the face of the implement applied to the hair, the trim will be closer to the skin or further away from the skin due to the differing length of the teeth extending beyond the cutting edge of the razor blade. Further, the body portion 10 is formed thinner and with shorter teeth than the cover to further assist in making variation in trim easy.
It is important to note that the teeth of the comb are disposed at an angle to the cutting edge of the blade held in the implement. The teeth of the comb are perpendicular to the extension of the handle with the cutting edge of the blade disposed at an angle thereto. By this arrangement, I have found that the implement trims the hair without pulling. Since the hair is guided against the edges in a sliding motion, the hair is sliced quickly and without excessive pulling as with other implements of this nature which direct the hair perpendicularly against the cutting edge. Even when the implement is used across the direction of the hair, the same results are obtained, providing an even cut without leaving ridges and without discomfort to the user.

Further, it has been found that because of this slicing action, the blades last far longer, retaining their cutting ability. As the blades dull, they can be quickly and easily replaced.

While it is convenient to provide the edges of the body portion so that they extend outwardly from the apex of the body portion, it can be seen that body edges may extend in parallel disposition by offsetting the handles therefrom. It is essential, however, to retain the illustrated angle between the direction of the teeth and the direction of the cutting edge of the razor blade. This angle should be between 20 and 45° for best operating efficiency. In the preferred embodiment illustrated, an angle of substantially 25° has been used which appears to be a practical compromise between trimming comfort and the blade edge exposure.

This invention may be variously modified and embodied within the scope of the subjoined claims.

Claims

1. A hair trimming implement comprising a body portion and integrally formed handles extending from each end thereof, said handles being formed to extend along a common axis, said body portion being of generally triangular configuration and having the apex extending into one handle and having a rounded base integral with the other of said handles, the edges of said triangular body portion extending outwardly from the common axis of said handles at an angle of not less than 20° and not more than 45°, a plurality of teeth along each edge of said body portion, each of said teeth being disposed in parallel relationship and in substantially the same plane and extending therefrom to receive razor blades positioned thereon and to hold said blades within said body portion with the cutting edge of said blade positioned in parallel relationship to a respective edge of said body portion and with said cutting edge of said blade positioned along the length of said teeth extending therefrom, said blades being so positioned that said cutting edge is positioned very close to and inside the edges of said teeth, a cover member, said cover member being of the general configuration of an isosceles triangle having a rounded base to match the outline configuration of said body portion, sockets formed within said cover member to receive said studs in said body portion thereby to position said cover member in aligned relationship with said body member and with the edges of said cover member in substantial alignment with the edges of said body portion, said cover member being provided with a plurality of spaced apart teeth along each edge thereof, said teeth being disposed in parallel relationship and being of longer length than the teeth on said body portion thereby to extend beyond said cutting edge of said razor blade when aligned with said body portion, and means to removably secure said cover member to said body portion.

2. A hair trimming implement in accordance with claim 1 in which said securing means comprises a first and second socket formed respectively on each of said handles adjacent said body portion, a stud on the apex of said cover for insertion into said first socket, arm members on said base of said cover, arm members being integrally formed with said cover portion at one end thereof and cantilevered from said one end, stud formed on the other end of said arm members, said arm members being resilient so as to be deformable inwardly during installation or removal of said cover, and to urge said studs on the ends of said arm members inwardly second socket when deforming pressure is released, thereby to secure said cover on said body portion.

3. A hair trimming implement comprising a body portion, at least one handle extending from said body portion, said body portion being provided with an edge having teeth extending outwardly therefrom, said teeth being disposed in parallel relationship and at an angle with respect to said edge, said angle being greater than 20° and less than 45°, said body portion being adapted to receive a razor blade and to position said blade within said body with a cutting edge of said blade parallel to said edge and between said edge and the end of said teeth, and a cover member portion removably inserted over said body portion to secure said razor blade therein, said cover member being provided with teeth matching the teeth on the body, and being longer than the teeth on the body, said body portion being formed with a first and second receiving socket respectively extending outwardly from each handle, said cover member being provided with a stud at one end thereof for insertion within said first socket, said cover being provided with resilient arm members at the other end of said cover, said arm members being cantilevered to said cover, a first and second socket stud being formed at the end of each of said arm members, said resilient arm members being deformable inwardly to provide clearance for passage of said studs past said second socket for removal and installation of said cover on said body portion, said first and second studs being urged into said second socket to positively secure said cover member to said body portion.

4. A hair trimming implement comprising a body portion, at least one handle extending from said body portion, said body portion being provided with an edge, said edge being angled outwardly with respect to said handle portion at an angle greater than 20° and less than 45°, a plurality of teeth disposed along said edge of said body portion, and extending outwardly therefrom, said teeth being disposed in parallel relationship, at an angle with respect to said edge and substantially perpendicular to said handle, said body portion being adapted to receive a razor blade and to position said blade within said body with the cutting edge of said blade parallel to said edge and between said edge and the end of said teeth, and a cover member removably inserted over said body portion to secure said razor blade therein, said cover member being provided with teeth matching the teeth on said body portion and being longer than the teeth on said body portion.

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