

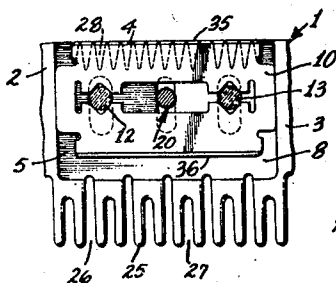
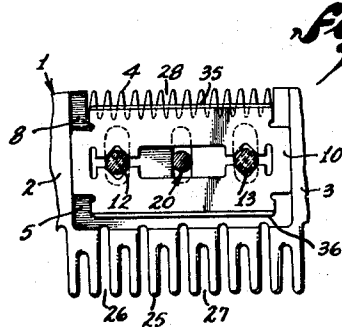
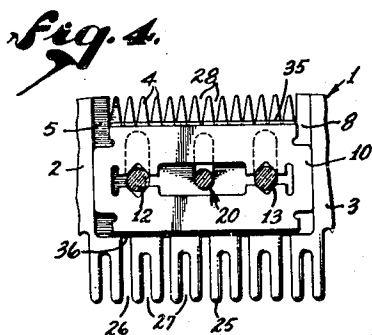
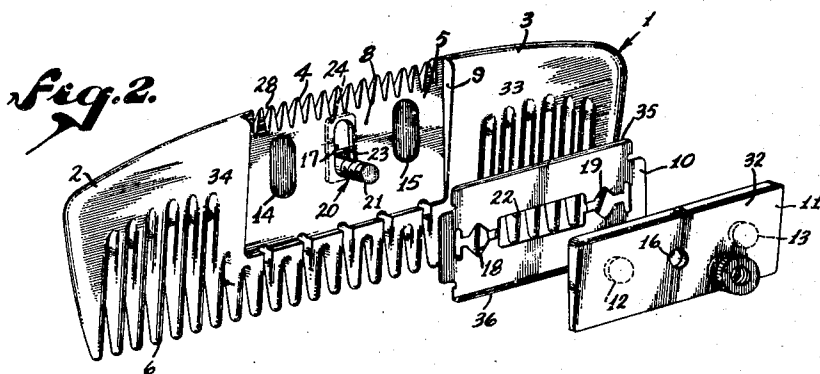
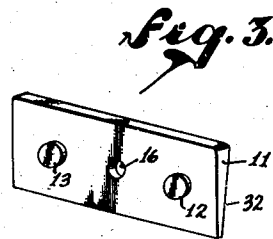
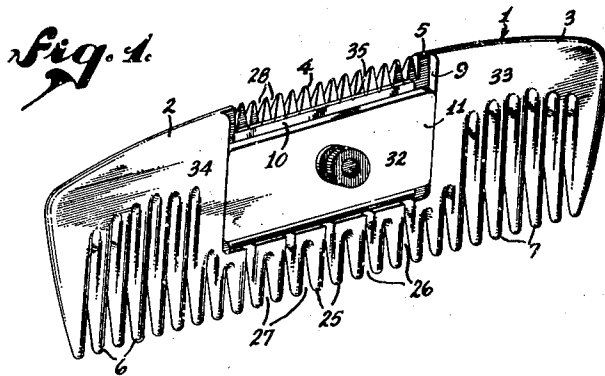
Feb. 8, 1949.

S. E. A. SANDERS

2,461,444

HAIR CUTTING COMB

Filed June 8, 1946



SANFORD E. A. SANDERS,
INVENTOR.

BY

W. A. Beatty

ATTORNEY.

UNITED STATES PATENT OFFICE

2,461,444

HAIRCUTTING COMB

Sanford E. A. Sanders, Los Angeles, Calif., assignor to Sta-Neet Corporation, a corporation of California

Application June 8, 1946, Serial No. 675,375

5 Claims. (Cl. 30—31)

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The invention relates to a hair cutting comb and more particularly to a comb having a razor blade thereon so that the user may cut hair, his own or otherwise, or in fact, shave.

An object of the invention is to provide an improved comb and blade holder construction for adjusting the position of the blade holder and its blade with respect to the comb teeth to vary the cutting relation of the blade with the teeth.

The invention is illustrated as applied to a hair cutting comb having comb teeth arranged on opposite sides thereof, with an adjustable razor blade having opposite cutting edges in cooperative relation to both sets of teeth. In one position of adjustment, the razor blade is wholly removed from the base of the teeth on one side of the comb whereby the comb may be used as an ordinary comb without cutting. In another position of adjustment the razor blade overlies the base of alternate teeth only so that the device may be employed to thin out the hair by cutting spaced alternate strands without cutting intermediate strands, while the opposite side of the comb may be used to cut all strands of certain longer length without further adjustment of the blade.

Another object of the invention is to provide a device of the character described having comb portions extending beyond each end of an intermediate cutting portion, whereby either end of the device may be used as an ordinary comb without cutting, preferably with the additional feature that one side of the intermediate portion may be used to cut all strands by an amount which is adjustable, while the other side may be used to either thin the hair or not cut the hair at all.

Another object is to provide a device wherein both edges of the blade are guarded when not in use.

For further details of the invention reference may be made to the drawings wherein:

Fig. 1 is a perspective view of a hair cutting comb according to the present invention.

Fig. 2 is an exploded perspective view.

Fig. 3 is a perspective view of a plate for the razor blade.

Figs. 4, 5, and 6 are partial plan views showing the razor blade in different positions of adjustment.

Referring in detail to the drawings, the comb 1 of this invention has two longitudinally separated back portions 2 and 3 and an intermediate comb cutting portion having comparatively fine and short teeth 4 which laterally extend from one side of a depressed central body portion 5, forming a recess 8 for a double edged razor blade 10.

The backs 2 and 3 are comparatively thick and they taper with reduced thickness into teeth 6 and 7 respectively which project in the opposite direction from the teeth 4. The face of depressed body 5 is on a medial plane through the comb and as the backs 2 and 3 taper into their comb 6 and 7 respectively, the end walls of the recess 8 are tapered in thickness from the backs 2 and 3 towards the end of the teeth 6 and 7 as indicated at 9. Fitting in the recess 8 is a razor blade 10 and a narrower tapered plate 11, the latter having projections 12 and 13 guided in grooves 14 and 15 respectively in the depressed body 5. Plate 11 also has a central hole 16 which mates with an elongated hole 17 in the body 5. The lugs 12 and 13 fit the openings 18 and 19 in the razor blade, so that the blade projects beyond plate 11 by a fixed amount.

The blade 10 is held in the recess 8 with plate 11 fixed on top thereof, by a bolt 20 having a shank 21 which passes through the holes 16 and 17 and through the central opening 22 in the blade. The bolt 20 has a head 23 which fits in a countersunk recess 24 at one face of the slot 17. The blade 10 and plate 11 are slidable together in recess 8, and are secured in adjusted position by bolt 20.

Between the teeth 6 and 7 and in line therewith, and laterally projecting from one side of the depressed body 5 are teeth 25 having on one side thereof long slots 26 alternating with short slots 27. The slot 17 is elongated to permit adjustment of the position of blade 10 with respect to teeth 4 on one side thereof and teeth 25 on the other side thereof. The blade 10 lies flat in recess 8 on the side of teeth 4, body 5 and the base of teeth 25, these elements being in a plane.

In one position of adjustment, as shown in Fig. 4, the blade 10 is in its maximum position of adjustment towards teeth 25 and in that position cutting edge 35 overlies the base of slots 28 and the base of teeth 4 whereby, teeth 4 may be used to cut long hair. Also, in that position, the cutting edge 36 of blade 10 overlies the base of the long slots 26 but not the base of the short slots 27, so that this side of the comb may be used for thinning as the alternate strands which find their way into the long slots are subjected to the cutting action of the blade 10, while the short slots 27 prevent the hair therein from being cut.

The hair is usually shorter as one proceeds from the back of the head towards the neck. A different blade adjustment is preferred when the cut is applied to hair of different lengths, the shorter the hair which is being cut, the closer the edge 35

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adjusted to the tips of teeth 4. When the edge 35 is even with the tips of teeth 4, the device may be used as a razor. Hence, the length of hair to be cut may be suited by adjusting bolt 20 to vary the position of blade 10 so that edge 35 overlies more or less of the length of the teeth 4.

In another position as shown in Fig. 5, the blade 10 is removed from the base of the long slots 26 so that all of the teeth 6, 25, 7, may be used as an ordinary comb without cutting the hair.

In the limiting position shown in Fig. 6, the blade 10 is adjusted to a position so that its outer edge 35 is in line with the tips of teeth 4, for use as a razor.

The comb may be safely carried in the pocket or the like without danger of injury, as both cutting edges of the blade 10 are guarded in the recess 8. The plate 11 is preferably tapered in thickness so that its outer surface 32 merges and conforms with the outer surface 33 of the comb portions 3, 7 and with the outer surface 34 of the comb portion 2, 6.

The comb 1 is one integral piece of material and may be cast or molded of plastic material. The plate 11 may be made of similar material.

It will be apparent that various modifications may be made in the invention without departing from the spirit of the following claims.

I claim:

1. A hair trimmer and comb comprising a comb having teeth and having a razor blade recess extending across said teeth, said recess having end walls extending parallel to the length of said teeth, a blade holder slidably fitting in said recess between said walls, and means for adjusting said blade holder in said recess lengthwise of said

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teeth to vary the cutting relation of the blade with said teeth.

2. A hair trimmer and comb according to claim 1 comprising a pair of lugs on the back of said holder, said lugs being longer than the thickness of the blade and adapted to extend through apertures in the blade, and a corresponding pair of guide depressions in said recess, said depressions having side walls extending parallel to the length of said teeth.

3. A hair trimmer and comb according to claim 1 comprising a back portion on said comb at each side of said teeth, the tips of said teeth lying substantially in the contour line of said back portions.

4. A hair trimmer and comb according to claim 1, the comb having alternate long and short grooves between the teeth, said recess extending across said long grooves and not across said short grooves.

5. A hair trimmer and comb according to claim 1 wherein said holder has parallel ends slidably fitting said end walls, the thickness of said plate conforming substantially to the depth of said recess.

SANFORD E. A. SANDERS.

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