Jan. 26, 1954

H. SCHRODER

2,666,982

COMBINED HAIRCUTTER AND SAFETY RAZOR

Filed April 8, 1952

Fig. 1.

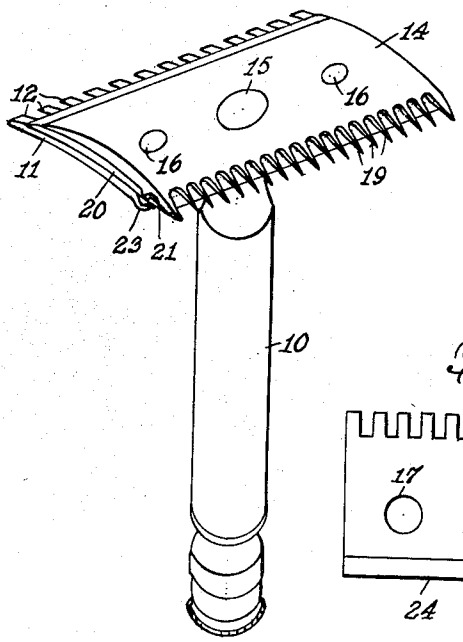


Fig. 4.

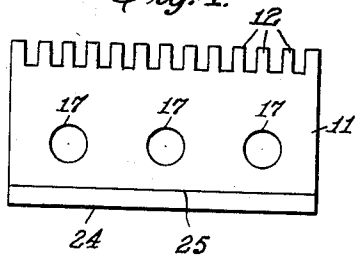


Fig. 2.

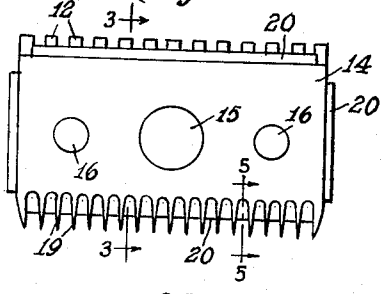


Fig. 3.

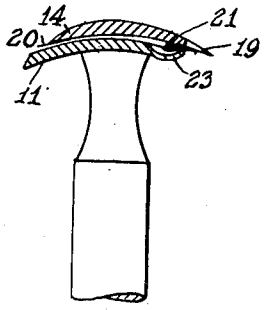
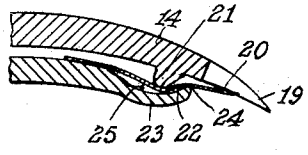


Fig. 5.



INVENTOR.
HANS SCHRODER
BY Peter W. Bocuzzy
ATTORNEY

Patented Jan. 26, 1954

2,666,982

UNITED STATES PATENT OFFICE

2,666,982

COMBINED HAIRCUTTER AND SAFETY RAZOR

Hans Schroder, Brooklyn, N. Y.

Application April 8, 1952, Serial No. 281,073

2 Claims. (Cl. 30—31)

1

This invention relates to new and useful improvements in hair cutting devices, and it has especially for its object to provide a combination of a hair cutter and safety razor, although said hair cutting device may be used separately, or in any other suitable combination.

Several attempts have hitherto been made to obtain a combination, as aforesaid, that would be useful and workable, but it appears that these attempts have generally fallen short of successfully accomplishing said object, the main obstacle being that it has not so far been possible to discharge, or "get rid of" the hair simultaneously with cutting the same, as the hair thus cut off would get caught between the edge of the razor blades and the guard, and also to some extent between said razor blade and the plate supporting the latter, thereby clogging up the section around the cutting edge of the razor blade, thus preventing further cutting until the hair had been cleaned out, which entailed a long and drawn out repetitious procedure, while at the same time no clean hair cutting was possible with this arrangement of the relative parts set forth.

These faults, thus inherent to the aforesaid constructions, have been remedied by the invention of the applicant, in which invention, due to the specific construction of the latter, the much elongated and finely tapered teeth of the guard on the hair cutting side of the razor have been brought into infinitesimal close proximity to the cutting edge of the razor blade, and the latter in similarly close proximity to the plate supporting the same, thus preventing any clogging up of the hair during the cutting procedure, and incidentally imparting a perfect cutting capacity to the device.

With the above and other objects in view, this invention consists of the novel features of construction, combination and arrangement of parts, hereinafter fully described, claimed and illustrated in the accompanying drawing, forming part of this application, and in which similar characters of reference indicate corresponding parts in all views, and in which:

Figure 1 is a perspective view of a combined safety razor and hair cutter.

Figure 2 is a top plan view of the same.

Figure 3 is a transverse sectional view taken on the line 3—3 of Figure 2.

Figure 4 is a plan view of a razor blade-supporting plate; while

Figure 5 is an enlarged detail view taken on the lines 5—5 of Figure 2.

Referring more particularly to the drawing,

2

the numeral 10 indicates the handle of a combined safety razor and hair cutter, and 11 a substantially transversely curved blade-supporting plate, detachably mounted on the upper end of said handle, and having guard teeth 12 formed on one side of its longitudinal edge.

The cap 14, transversely curved, is provided with a central post 15 for cooperation with the handle 10, and with blade positioning pins 16, 16, which pass through the openings 17, 17, 17, in the blade support, and through the conventional openings (not shown) in the razor blade 20. The said cap 14 is provided with guard teeth 19 upon one side thereof; the specific construction of said teeth and the cooperation of these with other specifically constructed parts constitute the main, or essential features of my device.

Thus the said cap 14 is made with comparatively long, finely tapered and slightly curved teeth 19 adapted to engage and catch the hair.

A ridge 21 is formed longitudinally upon the inner side of said cap 14 along and near the base of the teeth 19; this ridge, however, tapers slightly upwardly toward the teeth, as shown at 22, so as to facilitate a minutely close and exact fitting of the edge of the razor blade against said teeth.

The razor blade-supporting plate 11 has, when the hair cutting device is also used as a safety razor, guard teeth 12 upon one side, but not on that side opposite thereof which forms part of the hair cutting means.

Thus, the opposite side of said plate 11 is made with a downwardly curved portion 23; this latter portion has a corresponding depression 25 upon its opposite, or upper side, adapted to snugly fit the ridge 21, with the result that, when the cap 14 and plate 11 are screwed tightly together in the customary way, the razor blade 20 held between said cap and plate will, due to the effect or cooperation of the ridge 21 and said recess 25, be forced or pressed into snug and close contact with the teeth 19 of the cap, as in this connection the extreme outer end 24 of the curved portion 23 forms a sharp edge suitable for closely abutting the razor blade 20 in the aforesaid compact assembly.

It will thus appear, that by this construction and assembly of the parts forming the hair cutting means, the hair to be cut is conveniently and infallibly picked up between the long and comparatively closely arranged teeth on the cap, and then cut without possibility of clogging up, or depositing the hair among said teeth, the razor blade and the plate supporting the latter.

It is obvious that changes may be made in

the form, construction and arrangement of parts, as shown, within the scope of the appended claims, without departing from the spirit of the invention, and I do not, therefore, wish to limit myself to the exact construction and arrangement shown and described herein.

What I claim as new, and desire to secure by Letters Patent of the United States, is:

1. A hair cutter and safety razor having a head comprising, a blade support, a razor blade and a cap, and means for clamping said cap and blade support on to the razor blade, a downwardly curved projection upon one side of said cap, the blade support being formed with a recess substantially opposite said projection, said blade support terminating forwardly in an upwardly extending sharp edge portion adapted to closely engage the razor blade, the cap being formed with comb teeth on one edge of the head, and the blade support being formed with guard teeth on the opposite edge of the head.

2. In a hair cutter and safety razor, a blade support, a razor blade, and a cap provided with comb teeth, and means for clamping said cap and blade support on to the razor blade, a downwardly curved longitudinally arranged projection upon one side of the cap, and a recess in the blade support opposite said projection, the blade support being at one edge upon the outside downwardly curved and terminating at said edge in an upwardly extending sharp edge portion adapted to closely engage the razor blade, when said cap and blade support are screwed tightly together, whereby to force the razor blade into minutely close contact with the cap portion and the teeth upon the latter.

HANS SCHRODER.

References Cited in the file of this patent

UNITED STATES PATENTS

Number	Name	Date
1,568,794	Baer	Jan. 5, 1926
2,588,033	O'Gatty	Mar. 4, 1952