L. J. BERGENDAHL.

HAIR CUTTER.

APPLICATION FILED APR. 24, 1919.

1,337,429. **Patented Apr. 20, 1920.**

FIG. 1.

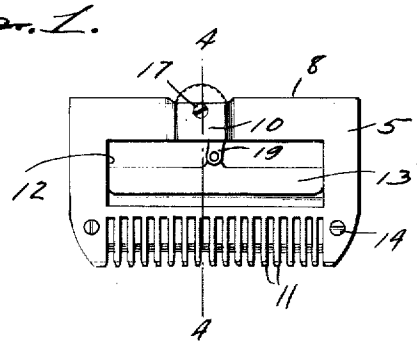


FIG. 2.

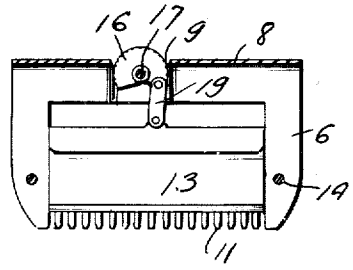


FIG. 3.

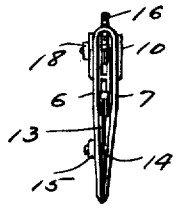
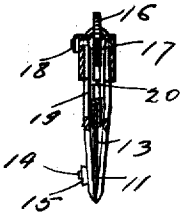


FIG. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

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HAIR-CUTTER.

1,337,429. Specification of Letters Patent. Patented Apr. 20, 1920.

Application filed April 24, 1919. Serial No. 292,445.

To all whom it may concern:

Be it known that I, LEWIS J. BERGENDAHL, citizen of the United States, residing at 506A Capitol street, Vallejo, in the county of Solano and State of California, have invented certain new and useful Improvements in Hair-Cutters, of which the following is a specification.

My invention relates to new and useful improvements in hair cutters, and more particularly to the type employing a safety razor blade in conjunction with a guard member.

An important object of my invention resides in the provision of a device including a cutting element adjustably associated with a guard member having comb teeth therein, whereby the cutting edge of the cutting element is adjustably associated with the comb teeth.

Another object of my invention resides in the provision of a device of the above mentioned character embodying means whereby the cutting element may be retained in various adjusted positions.

A still further object of my invention resides in the provision of a device embodying a pair of sets of comb teeth between which is mounted a cutting element, thereby preventing the user's fingers from being cut by the sharpened edge of the cutting element.

A still further object of my invention resides in a provision of a device of the above mentioned character which is strong, durable, inexpensive to manufacture and one which is efficient in practice.

A further object of my invention resides in the provision of a device as above set forth embodying a guard member which is constructed from a single piece of metal.

Other objects and advantages of the invention will become apparent during the course of the following description.

In the accompanying drawing forming a part of the description and wherein like numerals are employed to designate like parts throughout the same,

Figure 1 is a front elevation of my invention.

Fig. 2 is a longitudinal section.

Fig. 3 is an end view of Fig. 1, and

Fig. 4 is a transverse section taken on the line 4—4 of Fig. 1.

In the accompanying drawings, wherein is shown a preferred embodiment of my invention, the numeral 5 designates in general a guard member, which consists of a single piece of material bent upon itself to form a pair of spaced walls 6 and 7, which are resilient and normally tend to spread apart. The upper bent edge 8 of the guard is provided with a longitudinally extending slot 9, and the portion of the walls 6 and 7 which form opposite sides of the slot 9, are bent outwardly as indicated by the numeral 10, for a purpose which will appear hereinafter. The lower edge of each wall 6 and 7 is provided with a plurality of comb teeth 11, and by this construction it will be seen that a pair of sets of comb teeth are carried by the guard. As more clearly shown in Fig. 1 of the drawings, the comb teeth of the two sets aline so that the teeth may be readily passed through the user's hair. Each wall 6 and 7 is provided with an elongated opening 12 substantially intermediate the upper and lower edges of the guard and in such a manner that the openings aline, so that the user may gain access to the upper edge of the cutting element 13. As more clearly shown in Fig. 2, the ends of the openings 12 engage the ends of the cutting element whereby the latter is properly guided.

The cutting element embodied in my invention in this particular instance, is in the form of a razor blade, the lower portion of which, adjacent its cutting edge, is received between the two sets of comb teeth 11. In order that the blade may be held in any desired adjusted position with relation to the comb teeth, I provide a pair of bolts 14 or the like, which extend through and beyond the walls 6 and 7 adjacent their lower ends to receive nuts 15 upon the threaded ends thereof. Accordingly, it will be seen that when the nuts 15 are screwed upon the bolts, the two sets of comb teeth are drawn toward each other to snugly embrace the cutter element 13 and retain it in any desired adjusted position.

The means I employ for adjusting the position of the cutting element 13 consists of a segment 16 pivotally mounted in the slot 9 between the outwardly bent portions 10 of the guard by means of a bolt 17 passing through the outwardly bent portions 10 and the segment and extending beyond one wall of the outwardly bent portion 10 to receive thereon a nut 18. A link 19 is pivotally connected to the segment 16 adjacent its pe-

riphery, while the other end of the link is pivotally connected to the intermediate portion of the cutting element. As more clearly shown in Figs. 3 and 4 of the drawings, this link consists of a pair of spaced arms held in this relation by a bridging portion 20.

In use, the segment is moved upon its pivot so as to either raise or lower the cutting element by the link connection 19 until the cutting edge of the cutting element is arranged in its proper relation with the comb teeth 11. The nuts 15 may then be tightened upon the bolts 14 to draw the walls 6 and 7 of the sets of comb teeth in close engagement with the cutting element to retain it in its adjusted position. The guard is then grasped in one hand by the user and run through the hair as a comb and the best results are obtained. Of course, by adjusting the cutting edge of the cutting element 13 adjacent the lower ends of the comb teeth 11, the cutter will clip the hair short, while by an opposite adjustment the cutting edge is arranged a substantial distance above the lower ends of the comb teeth and will cut the hair longer.

The foregoing description and the drawings have reference to what may be considered the preferred, or approved, form of invention. It is to be understood that I may make such changes in construction and arrangement and combination of parts, materials, dimensions, etc., as may prove expedient and fall within the scope of the appended claims.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent, is:

1. A hair cutter comprising a guard having comb teeth, a cutting element adjustably mounted upon said guard, a member pivoted to said guard, and a link pivotally connecting said cutting element and said pivoted member for adjusting said cutting element with relation to the comb teeth.

2. A hair cutter comprising a guard consisting of a single piece of material folded upon itself to provide a pair of spaced walls, the lower edge of each wall being provided with alined comb teeth to provide a pair of sets of teeth, a cutting element adjustably mounted between said sets of teeth, a segment pivotally mounted in the upper portion of said guard between the spaced walls thereof, and projecting above the top of said guard and a link pivotally connected to said segment and to said cutting element, whereby the cutting element may be adjusted with relation to said teeth.

3. A hair cutter comprising a guard having comb teeth, a cutting element adjustably mounted on said guard, a member pivoted to said guard and having connection with said cutting element for adjusting the same with relation to the comb teeth.

4. A hair cutter comprising a guard having comb teeth, a cutting element adjustably mounted upon said guard, a segment pivotally mounted upon the upper portion of said guard, and a link pivotally connecting said segment to said cutting element whereby the latter may be adjusted with relation to said comb teeth.

In testimony whereof I affix my signature in presence of two witnesses.

LEWIS J. BERGENDAHL.

Witnesses:
W. T. KELLEY,
J. R. ELMQUEST.