July 27, 1943. C. A. HALEN 2,325,246

HAIR CUTTING COMB APPARATUS

Filed May 13, 1942

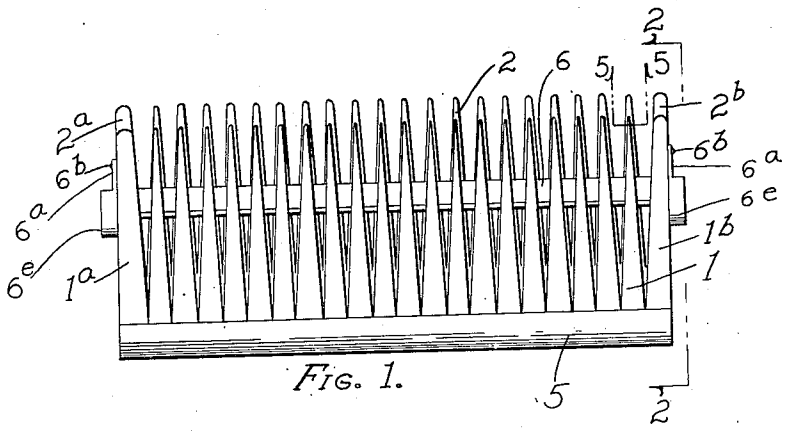


FIG. 1.

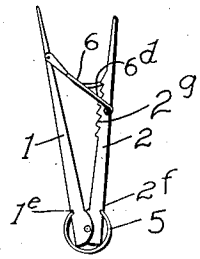


FIG. 2.

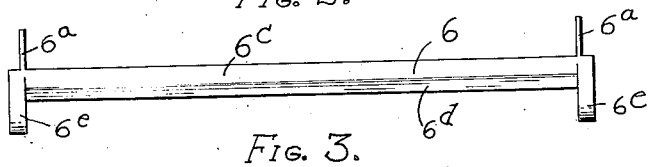


FIG. 3.

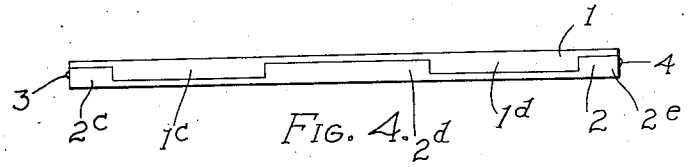


FIG. 4.



FIG. 5.

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HAIR CUTTING COMB APPARATUS

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3 Claims. (Cl. 132—19)

My invention relates to a hair cutting comb apparatus and the objects of my invention are:

First, to provide a hair cutting comb apparatus arranged to gage the length of the hair cut;

Second, to provide an apparatus of this class which is adjustable for varying lengths haircut;

Third, to provide an apparatus of this class which both gages the length of the hair to various lengths and also guides the hair into cutting position;

Fourth, to provide a haircutting comb apparatus of this class which is easy to adjust for varying length haircuts;

Fifth, to provide an apparatus of this class which is collapsible so that it will fold into very compact form;

Sixth, to provide an apparatus of this class which is very simple and economical of construction, easy to operate, efficient in its action and which will not readily deteriorate or get out of order.

With these and other objects in view as will appear hereinafter, my invention consists of certain novel features of construction, combination and arrangement of parts and portions as will be hereinafter described in detail and particularly set forth in the appended claims, reference being had to the accompanying drawing and to the characters of reference thereon which form a part of this application in which:

Figure 1 is a side elevational view of my hair cutting comb apparatus ready for use; Fig. 2 is an end elevational view taken from the line 2—2 of Fig. 1; Fig. 3 is a side elevational view of the combined spacer and hair guide of my apparatus; Fig. 4 is a back view of the comb apparatus of my invention with the combined spacer and hair guide and the spring back 5 omitted and Fig. 5 is a sectional view on an enlarged scale taken from the line 5—5 of Fig. 1.

Similar characters of reference refer to similar parts and portions throughout the several views of the drawing:

The comb members 1 and 2, hinge pins 3 and 4, spring back 5, and combined spacer and hair guide 6 constitute the principal parts and portions of my hair cutting comb apparatus.

My comb apparatus includes two comb members 1 and 2 which may be provided with conventional teeth, but are preferably relatively long and are wedge-shaped in cross section as shown best in Fig. 5 of the drawing. The comb member 1 is provided with a relatively broad tooth 1*a* at one end and a similar tooth 1*b* at its opposite end, while the comb member 2 is provided with similar broad teeth 2*a* and 2*b* in its opposite end, as shown best in Fig. 1 of the drawing. The comb member 1 is provided with extended interlocking portions 1*c* and 1*d* to serve as hinge portions while the member 2 is provided with extended interlocking portions 2*c*, 2*d* and 2*e*, shown best in Fig. 4 of the drawing and when they are positioned in interlocked position, as shown in Fig. 4 of the drawing they are connected by means of hinge pins 3 and 4, thus securely interlocking the comb members 1 and 2 in hinged relation so that the teeth in the comb 1 are substantially in alignment with the teeth on the comb member 2, as shown best in Fig. 1 of the drawing.

Secured over these hinge portions and extending over the back of the combs 1 and 2 in their connected relation is a back 5 made of arcuate spring materials. The side edges of this spring member 5 are mounted in small grooves 1*e* and 2*f* in the comb members 1 and 2 just forwardly of the hinge portion, as shown best in Fig. 2 of the drawing for substantially supporting the spring on the comb members 1 and 2.

Pivotally connected with the outer tooth members 2*a* and 2*b* on the comb member 2 at their outer side is the combined spacer and hair guide 6 by means of extended lug portions 6*a* in which are mounted pins 6*b*. These extended lugs 6*a* are connected with the body 6*c* of the combined spacer and hair guide 6 near its opposite end, as shown best in Fig. 3 of the drawing. The body 6*c* is substantially flat plate-like and is provided on its one side with a curved portion 6*d* the edge of which is adapted to engage teeth 2*g* on the comb member 2 on the inner side of the teeth, as shown best in Fig. 2 of the drawing, thus providing means for adjustably holding the comb members 1 and 2 in certain spaced relation to each other. Positioned on the body 6*c* at its opposite end and in opposed relation with the lug 6*a* are handle portions 6*e* which serve to facilitate the shifting of the member 6 relatively to the teeth 2*g*, the spring back 5 tending to hold the comb members 1 and 2 towards each other at all times and held in their spaced relation by means of the member 6. It will be here noted that in addition to spacing the comb members 1 and 2 this member 6 also provides a guide for the hair so that when the comb 1 is inserted into the hair, the member 6 tends to guide the hair along its surface through the comb member 2. It will also be noted that the member 6 may

be shifted for collapsing the comb members 1 and 2 together.

The operation of my hair cutting comb apparatus is substantially as follows: The comb members 1 and 2 are adjusted by shifting the comb members so that the ends of the teeth are in certain spaced relation to each other for the proper length of hair. This is done by shifting the guide member 6 in relation with the teeth 2g. Then the double comb is used with the shears on the upper side of the upper comb in a similar manner as a single comb is used in cutting hair, the length of the hair cut being adjusted by shifting the member 6, the spring 5 tending to hold the comb member teeth toward each other at their end and held spaced by the combined spacer and hair guide member 6. The guide member 6 serves to guide and distribute the hair through the upper comb member.

Though I have shown and described a particular construction, combination and arrangement of parts and portions, I do not wish to be limited to this particular construction, combination and arrangement, but desire to include in the scope of my invention the construction, combination and arrangement substantially as set forth in the appended claims.

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

1. In a hair cutting comb apparatus of the class described, the combination of two comb members hinged together at their back sides, spring means in connection with said comb members tending to hold them toward each other at their front sides and a combined spacer and hair guide pivotally connected with one of said comb members and adjustably engageable with the other of said comb members.

2. In a hair cutting comb apparatus of the class described, the combination of two comb members hinged together at their back sides, spring means in connection with said comb members tending to hold them toward each other at their front sides and a combined spacer and hair guide pivotally connected with one of said comb members and adjustably engageable with the other of said comb members, said combined spacer and hair guide being positioned in angular relation between said comb members spaced from the front portion of the teeth.

3. In a hair cutting comb apparatus of the class described, the combination of two comb members hinged together at their back sides, spring means in connection with said comb members tending to hold them toward each other at their front sides, and a combined spacer and hair guide pivotally connected with one of said comb members and adjustably engageable with the other of said comb members, said combined spacer and hair guide being positioned in angular relation between said comb members spaced from the front portion of the teeth, the spring means for holding said comb members toward each other forming a back for said hair cutting comb apparatus.

CHARLES A. HALEN.