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HAIR TRIMMER DEVICE

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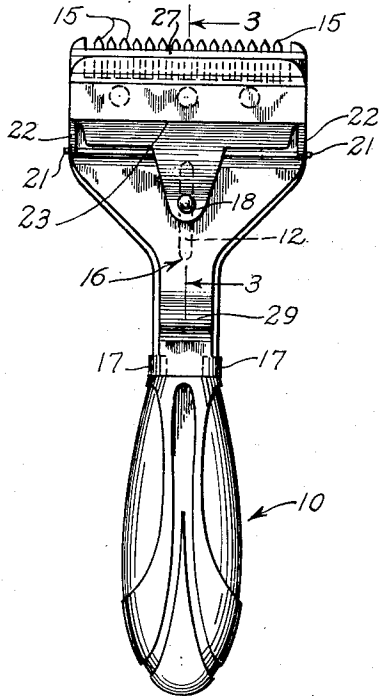


Fig. 1

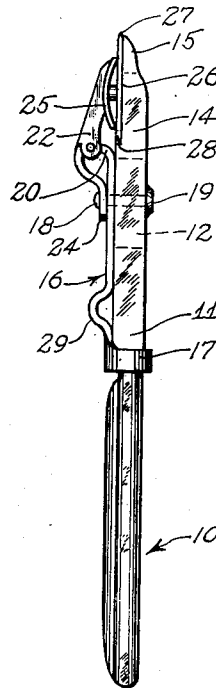


Fig. 2

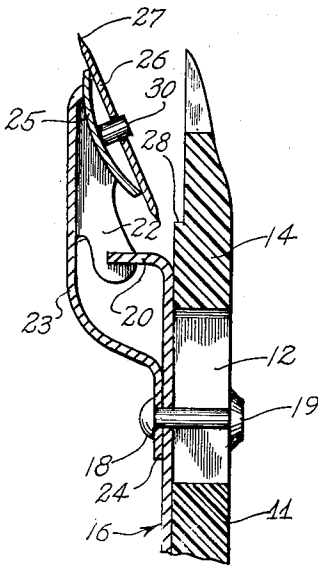


Fig. 3

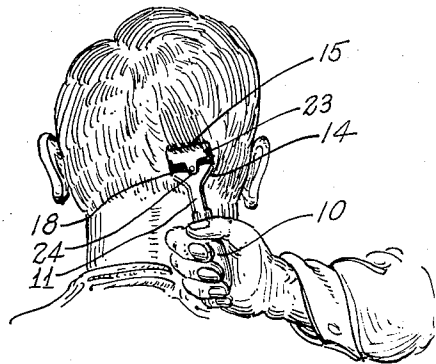


Fig. 4

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# UNITED STATES PATENT OFFICE

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## HAIR TRIMMER DEVICE

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2 Claims. (Cl. 30--30)

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This invention relates to a cutting or trimming instrument, and more particularly to an instrument for use in cutting or trimming a person's hair.

The object of the invention is to provide a hair-cutting or trimming instrument which can be used by a person in cutting or trimming his own hair, or can be used by a person to cut another's hair, the instrument of the present invention being adapted to use a conventional razor blade as the cutting element.

Another object of the invention is to provide a cutting or trimming instrument which includes a handle that is adapted to be gripped in a person's hand, there being a plurality of teeth arranged on the instrument for engagement with the person's hair.

Still another object of the invention is to provide a cutting or trimming instrument which is adapted to be manually operated, there being a cutting element adjustably mounted on the instrument, whereby the depth or amount of cutting can be regulated as desired.

A still further object of the invention is to provide a hair-cutting or trimming instrument which is constructed so that a person can readily cut his own hair by the use of a mirror, the instrument of the present invention enabling the hair to be cut or trimmed to a desired taper by means of a simple manual upward or sidewise movement, the instrument enabling the hair to be cut evenly and accurately.

A further object of the invention is to provide a hair-cutting and trimming instrument which is extremely simple and inexpensive to manufacture.

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

In the accompanying drawings forming a part of this application, and in which like numerals are used to designate like parts throughout the same:

Figure 1 is a top plan view of the hair-cutting instrument of the present invention;

Figure 2 is a side elevational view of the instrument;

Figure 3 is a sectional view taken on the line 3-3 of Figure 1;

Figure 4 is a view illustrating the use of the instrument in cutting a person's hair.

Referring in detail to the drawings, the numeral 10 designates a handle which may be made of any suitable material, such as plastic. The handle 10 has projecting therefrom or formed integrally therewith a shank 11 which is pro-

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vided with a slot 12. Arranged on the end of the shank 11 is a head 14 which is provided with a plurality of spaced teeth 15. The teeth 15 are adapted to be arranged in engagement with a person's hair or head, as shown in Figure 4.

Slidably connected to the shank 11 is a body member 16, the body member 16 being provided with a pair of arcuate flanges 17 which slidably straddle or engage the shank 11.

The body member 16 is provided with a transverse lip 20, Figure 3, and extending from each end of the lip 20 is a trunnion or pivot pin 21, Figure 1. A pair of spaced parallel ears 22 are pivotally connected to the trunnions 21, and the ears 22 are secured in any suitable manner to a plate 23. The plate 23 is made of a flexible material, such as spring metal, whereby the plate 23 can be moved from the position shown in Figure 2 to the position shown in Figure 3, when a new cutting element is to be inserted or placed in the instrument.

Formed integrally with the plate 23 is a tongue 24, and the tongue 24 has projecting therethrough a securing element, such as a rivet 18. The rivet 18 extends through the tongue 24, through the body member 16, and through the slot 12. A head 19 is arranged on an end of the rivet 18 for maintaining the parts in assembled relation. This construction enables the plate 23 and body member 16 to be shifted along the shank 11, so that the hair can be trimmed or cut to the desired taper.

Carried by the plate 23 and secured thereto is an arcuate or curved support member 25, Figure 3. A conventional double-edge razor blade 26 is arranged contiguous to the support member 25. Extending from the support member 25 and secured thereto is a plurality of spaced, parallel posts or pins 30 which extend through the usual openings in the razor blade 26. The blade 26 includes the opposed cutting edges 27. A shoulder 28 is arranged on the head 14 for receiving the inner portion of the blade 26, and a curved portion 29 is formed integrally with the support member 16. The curved portion 29 is adapted to be engaged by a person's finger when the support member 16 is to be shifted along the shank 11.

In use, the plate 23 can be moved from the position shown in Figure 2 to the position shown in Figure 3, due to the resiliency of the plate 23. Then, the razor blade 26 can be arranged so that the openings in the razor blade 26 have projecting therethrough the pins 30. Then, when the pressure on the plate 23 is released,

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the resiliency of the plate 23 will cause the parts to return to the position shown in Figure 2, whereby the blade 26 will be clamped between the support member 25 and the head 14. The shoulder 28 will provide a support for the inner edge of the razor blade 26, while the outer cutting edge 27 of the razor blade 26 is adapted to be used for cutting or trimming a person's hair, as shown in Figure 4. The teeth 15 help guide the hair being trimmed or cut, and the instrument is used by gripping the handle 10 in the hand. The handle 10 may be provided with ridges, as shown in Figures 1 and 2, whereby the instrument will not slip in the hand accidentally during use. The trunnions 21 enable the plate 23 to be shifted back and forth between the positions shown in Figures 2 and 3, and also the position of the support member 16 can be shifted or adjusted by engaging the portion 29 with the fingers. Thus, the hair can be trimmed or cut at various tapers or lengths.

By means of the instrument of the present invention, a person will be able to cut and trim his own hair without being a skilled barber, and the adjustable construction permits the hair to be cut at any desired length. The trimmer can be used by moving the instrument upwardly or in a sidewise direction, so that the hair can be cut evenly around the head with the desired taper. The handle may be made of plastic, if desired, and a suitable ornamental design may be arranged thereon. The teeth 15 provide a comb for engagement with the person's hair. The rivet 18 is slidable in the slot 12. Also, the instrument is simple and inexpensive to manufacture.

What is claimed is:

1. In a manually operable hair-trimming and cutting instrument, a handle, a shank extending from said handle and provided with a slot, a head arranged on the end of said shank and provided with a plurality of spaced teeth defining a comb, a body member slidably connected to said shank and provided with arcuate flanges slidably embracing said shank, a transverse lip arranged on the upper end of said body member, a pair of trunnions projecting from opposite ends of said lip, a plate having a tongue arranged contiguous to said body member, a pair of spaced

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parallel ears secured to said plate and pivotally connected to said trunnions, a securing element projecting through said tongue, body member and slot, an arcuate support member carried by said plate, and a plurality of spaced parallel pins extending from said support member for engagement with a razor blade.

2. In a manually operable hair-trimming and cutting instrument, a handle, a shank extending from said handle and provided with a slot, a head arranged on the end of said shank and provided with a plurality of spaced teeth defining a comb, a body member slidably connected to said shank and provided with arcuate flanges slidably embracing said shank, a transverse lip arranged on the upper end of said body member, a pair of trunnions projecting from opposite ends of said lip, a plate having a tongue arranged contiguous to said body member, a pair of spaced parallel ears secured to said plate and pivotally connected to said trunnions, a securing element projecting through said tongue, body member and slot, an arcuate support member carried by said plate, and a plurality of spaced parallel pins extending from said support member for engagement with a razor blade, said body member being provided with an arcuate portion adapted to be engaged by a person's fingers for adjusting the position of said body member, said plate being made of a flexible material whereby said support member can be moved away from said head when the blade is to be removed or replaced.

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