Oct. 29, 1957 N. S. BRODY 2,810,953

CURVED TENSION CLIP AND ATTACHABLE CURVED HANDLE HAIR TRIMMER

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Fig. 1.

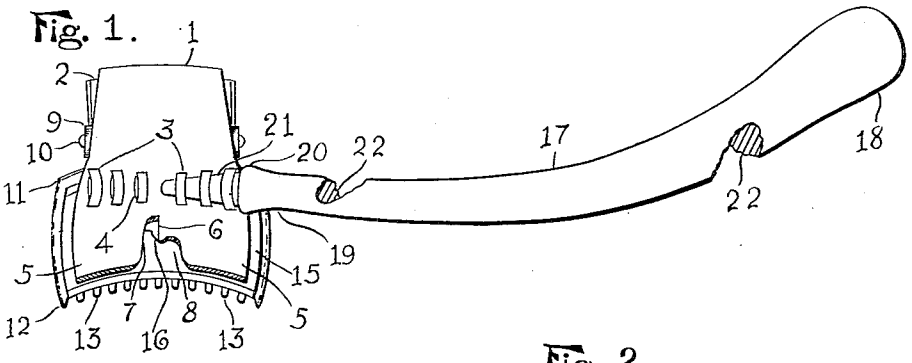


Fig. 2.

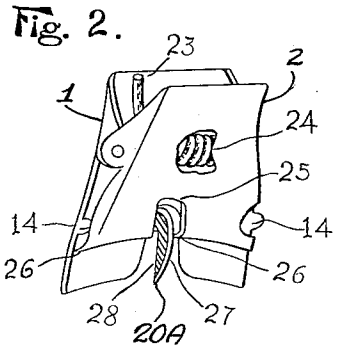


Fig. 3.

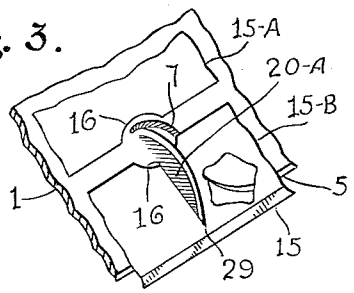


Fig. 4

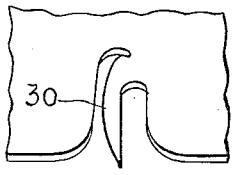


Fig. 5.

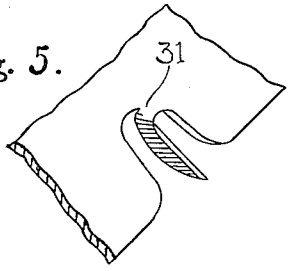
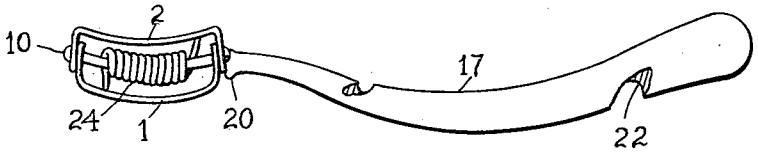


Fig. 6.



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CURVED TENSION CLIP AND ATTACHABLE CURVED HANDLE HAIR TRIMMER

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3 Claims. (Cl. 30—30)

My invention relates to an improved hair trimmer which is provided with a curved spring tension clip and an attachable curved handle. Said clip employs in its assembly a small, curved comb and, additionally, a double edge safety-razor blade, said latter being thin and resilient and having a central longitudinal perforation like most of the conventional double edge safety razor blades. One of the outstanding features of my invention is, that no springs are employed to provide the clamping tension to hold said safety-razor blades in their place when inserted into said clip; instead, the clamping tension is provided by the resiliency of said safety-razor blades themselves. A second outstanding feature of my invention is had in the curved condition of bottom sections of two clamping parts comprising said spring tension clip of my invention, and also in the curvature of said attachable handle, both of which correspond with the curvatures of the back of the head, nape and neck and thus make for better and more efficient application of the assembled clip hair trimmer of my invention. A third novel feature of my invention is had in the attachable handle which is, alternatively, attached to either side of said assembled clip; thus said latter need not be readjusted when shifted from one side of the back of the head to the other side.

In the accompanying drawings Fig. 1 shows a face view of my invention fully assembled. Fig. 2 shows the reverse side of said tension clip by itself, presenting a perspective view of same. Fig. 3 shows the middle, bottom clamping section of the upper part of said clip on its inner side; here to, it can be seen how said safety-razor blade is inserted and clampingly held by said straight side of said rigid tooth centrally positioned between said two severed sides of said longer clamping part of said clip. Fig. 4 shows a face view section of the stamped out sheet of metal of said upper clip part presenting an enlarged view of said rigid tooth prior to the forming of same into a vertical position. Fig. 5 shows said rigid tooth in the process of being formed. Fig. 6 shows a view of my invention as one would see it on looking down from above Fig. 1, thus showing the curvatures of said blade clamping parts and of said handle.

To present the details of my invention: in Fig. 1, **1** indicates the upper clamping part of said spring tension clip; **2** indicates the bottom clamping part of said clip; **3, 3** indicate the two groups of oppositely positioned arched bands, pierced and formed in the horizontal mid section of said upper part of said clip; said two groups of raised, arched bands are to receive, alternatively, said attachable handle at the one side or at the other side of said assembled clip hair trimmer for the operating of same; said two groups of bands begin with a larger semi circle and taper to a smaller arched band thus providing a snug grip on the tapering tongue of said handle; **4** indicates the holes in back of or underneath said raised, arched bands; **5, 5** indicate the two curved and severed

bottom sections flanking said centrally extending rigid tooth not shown here; **6** indicates the upper and attached section of said tooth where it had been formed; **7** indicates the longer cut out, while **8** indicates the shorter cut out of said mid-section at the two sides of said tooth extending behind said razor blade; **9, 9** indicate the hinge sections of said bottom clamping part of said clip which receive said hinge sections of said upper part of said clip; **10** indicates the riveted ends of a rod which holds the several parts comprising said spring tension clip, including a coil spring, together in their mechanical assembly; **11** indicates the upper, solid side of said curved comb—which is especially made to fit said curved clip of my invention; **12** indicates the side guard teeth of said comb, while **13** indicates the teeth of said comb; **14** indicates the inwardly projecting prongs, as shown in Fig. 2; **15** indicates the safety-razor blade; **16** indicates the perforation at the center of said blade where it is clampingly held, after being inserted as shown in Fig. 3; **17** indicates the curved attachable handle as it would be held at the one side of the back of the head and affording the operator an unobstructed view at the opposite side of said head or neck when making use of two mirrors, the one to look into and having the other mirror at the side or at the back of the head; **18** indicates the larger end of said handle, while **19** indicates the narrow portion of said curved handle at the attachable end; **20** indicates the shoulder at this end, while **21** indicates the tapered tongue extending from this end of said handle, said latter being received, alternatively, and held by said two groups of arched and tapering band-loops as shown; **22, 22** indicate two cut out sections showing the depth of said handle. In Fig. 2, **20**–A indicates the elongated, rigid tooth itself; **23** indicates the stem end of the coil spring at this one side of said clip; **24** indicates the coil spring of said clip, in the cut out; **25** indicates the cut out in said inwardly curved bottom midcenter of said bottom part of said clip, thus also severing it into two sections, this condition being needed to receive said upper vertically extending section of said rigid tooth and thus to permit the closing of said clip when said latter is not assembled as shown in this Figure 2; here too it can be seen that said severed and inverted bottom edge **26, 26** is arched inwardly to fit correspondingly, with the outwardly curved upper part of said clip; **14, 14** shows the two inwardly formed prongs extending at the sides of said upper clamping part of said clip, said prongs serving to engage the end perforations of said double edged safety-razor blades thus checking their side movements when said blades are used in the assembly of said clip; **27** indicates the arched edge of said tooth while **28** indicates the straight edge of said tooth, said arched side being positioned between teeth of said comb to keep said clip in a straight position when moved up or down upon said comb for longer or shorter hair trimming; here too, in this figure should be particularly noticed the dissimilarity in the length of the two clamping parts of said clip of my invention. In Fig. 3, **29** indicates in the enlarged assembled section of said upper part of said clip the pointed end of said rigid tooth and showing that it terminates beyond said edge of said razor blade when fully inserted; here too can be seen the procedure of inserting said blades: thus the point of said tooth **29**, being inserted through the midcenter perforation of said blade **16, 16**, makes its way easily between blade sections **15**–A and **15**–B. In Fig. 4, **30** shows the enlarged rigid tooth in its flat stamped, or blanked condition before it is formed. In Fig. 5, **31** shows said tooth in the process of being formed into a vertical and somewhat lower position. Fig. 6 shows a view of my invention as one would see it on looking down from above Fig. 1, thus showing the curvatures of said blade clamping parts and of said handle.

Having described my invention I claim:

1. In a curved spring tension clip and attachable curved handle hair trimmer; said clip in its assembly making use of a double edged safety-rabor blade, and a curved, small comb especially made to fit said clip; said clip comprising two dissimilar clamping parts, the upper part being considerably longer than the bottom part, and said upper part having a longitudinal concaved condition, said bottom and shorter clamping part having and being in a convexed condition, so that when said bottom clamping sections of said two clamping parts come together they fit oppositely into one curve; said condition of said curved clip and said curved handle, corresponding with the curvature of the back of the head, nape and neck and thus making for better and efficient hair trimming; said curved upper part of said clip having a cut out, severed section positioned at its bottom end; said cut out having an elongated rigid tooth extending through the center and beyond the two severed sides it is flanked by; said elongated, rigid tooth being in vertical condition and thus at right angles with the two curved severed sides it is flanked by; said tooth having its upper vertical edge straight and its bottom longitudinal edge arched, both edges culminating into a pointed end beyond the ends of the two severed, curved sides it is flanked by; additionally, said elongated, rigid and vertically formed tooth being positioned to be somewhat lower than the two severed sides it is flanked by, thus providing the needed space for the resilient double edged safety-razor blade to be inserted and held in a curved resilient condition provided by the resilience of said blade; said straight edge of said tooth serving to clamp said blade between said two severed side sections of said upper part of said clip, said arched, longitudinal edge of said tooth serving to be slidingly positioned between teeth of said comb and thus keep said fully assembled clip in a straight position when being adjusted and moved up or down upon said comb for longer or shorter hair trimming.

2. In a curved tension clip and attachable curved handle hair trimmer; said clip comprising a longer and shorter clamping part; said shorter part having an inwardly turned, convexed, clamping edge along its curved bottom; said shorter clamping part also having a cut out in its curved bottom midsection thus severing said clamping part into two sections at its inverted and convexed bottom edge, said cut out serving to receive a longitudinally extending rigid tooth, centrally and vertically positioned in said upper concaved clamping part of said clip, said rigid tooth being an integral part of said upper clamping part of said clip thus permitting the closing of said two parts

of said clip when said latter is not assembled for hair trimming operation.

3. In a curved spring tension clip and attachable curved handle hair trimmer; said clip comprising one longer upper and one shorter bottom clamping part, the longer upper part being longitudinally concaved while said shorter bottom part being convexed; said upper clamping part having two groups of oppositely positioned, raised, arched bands incised and formed through its horizontal midsection which serve to receive, alternatively, at the two sides of said clip, a tapered tongue extending at the small end of said handle; said upper part of said clip also having a centrally positioned, vertically formed, elongated, rigid tooth extending from a cut out in its bottom midsection, said tooth being flanked by two, curved severed sections; said elongated tooth having its upper edge straight and being arched at its bottom longitudinal edge; said tooth, additionally, being formed to be positioned somewhat lower than the two severed sections it is flanked by, while its pointed end extends beyond said two curved severed sections, said latter two features serving first, to provide the required space for the insertion of a midcenterly and longitudinally perforated, double edged safety-razor blade, while said extending point of said tooth serves and provides a catch-hold for said midcenter perforation in said process of inserting said blade in a concaved condition between said rigid tooth and the two severed flanking sides of said upper part of said clip with the resiliency provided by said spring tempered and pliable condition of said blade; said bottom and shorter clamping part of said clip having an inwardly turned, convexed bottom edge; said shorter clamping part, additionally, having a cut out in its bottom convexed midcenter which serves to receive the vertically extending, arched edge of said rigid tooth positioned in the midcenter cut out of said upper clamping part of said clip, thus permitting the closing of said curved tension clip when not assembled with safety-razor blade and comb for the process of hair trimming.

References Cited in the file of this patent

UNITED STATES PATENTS

1,471,970	McElroy	Oct. 23, 1923
2,587,235	Seferlis	Feb. 26, 1952
2,731,716	Graziani	Jan. 24, 1956

FOREIGN PATENTS

554,634	France	Mar. 5, 1923
616,964	France	Nov. 8, 1926