

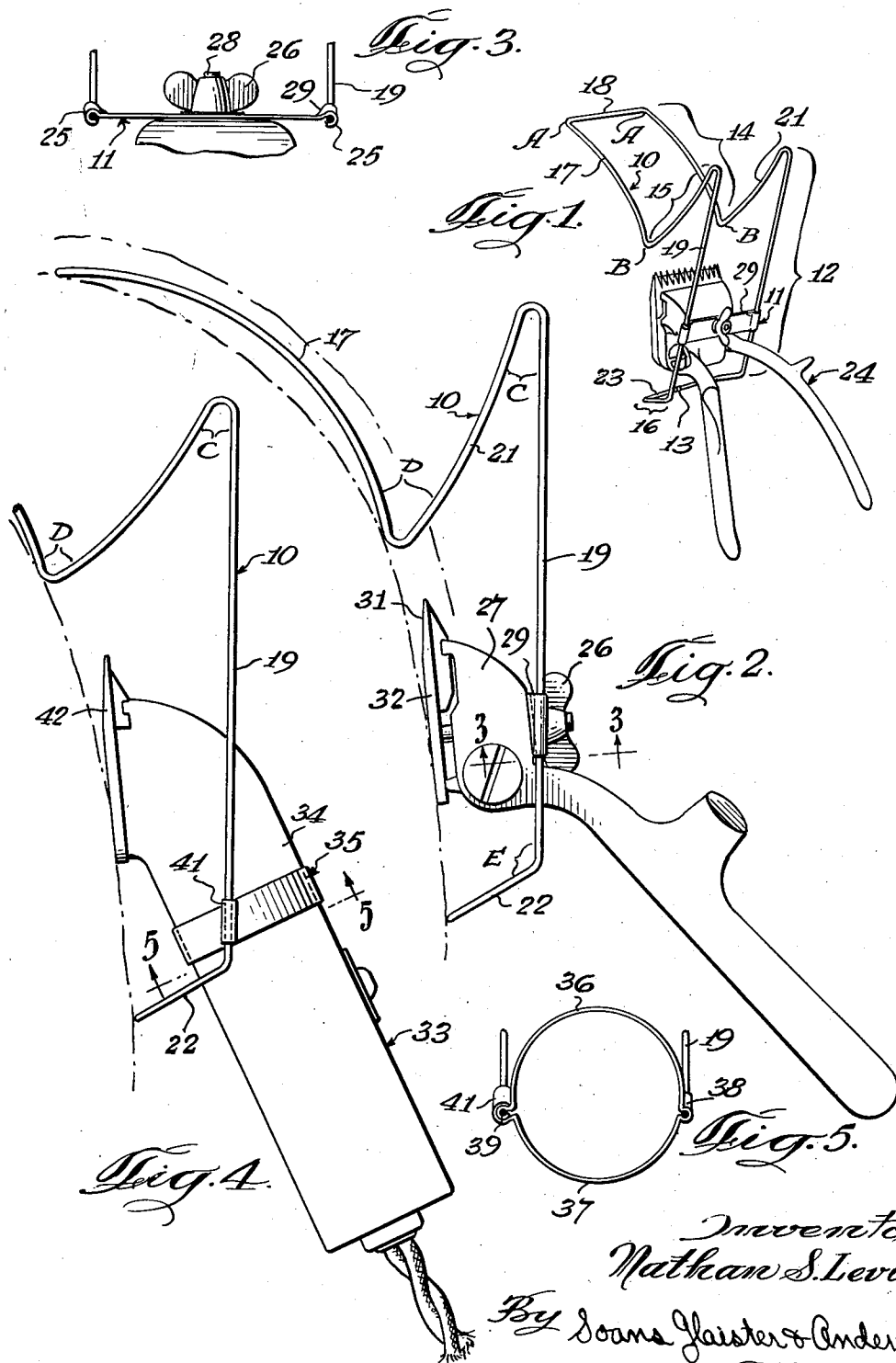
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GUIDE FOR TRIMMING HAIR

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GUIDE FOR TRIMMING HAIR

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This invention relates in general to an apparatus for use in trimming hair and more particularly, to an apparatus for supporting and guiding a hair-cutting mechanism.

Although the length of one's hair often necessitates its cutting throughout the entire area of the scalp, it is more frequently sufficient in order to maintain one's appearance, simply to trim the hair at particular areas on the scalp such as the back of the neck and the sides of the head.

One of the objects of the present invention is to provide a support and guide means which may be used with a hair-cutting mechanism so that a person can cut or trim his own or another person's hair with uniformity and nicety of precision which is generally desired in hair trimming.

Further objects of the present invention are: to provide an apparatus which may be freely placed on various portions of the head and which is adapted to support and guide a hair-cutting mechanism for trimming the hair; to provide an apparatus for use with a hair-cutting mechanism which is particularly adapted for trimming the hair at the lower border portions of the scalp such as the area adjacent the back of the neck and the sides of the head; to provide an apparatus for supporting and guiding a hair-cutting mechanism which is of a simple and dependable construction and which is capable of being adjusted so that it can be used by persons having varying head dimensions; to provide an apparatus for supporting and guiding a hair-cutting mechanism which can be adjusted in accordance with the degree of taper one desires in trimming the hair; and to provide an apparatus for supporting and guiding a hair-cutting mechanism which is rugged, durable, and inexpensive to manufacture and thoroughly reliable.

Other objects and advantages will appear and the invention will be better understood by referring to the following description and the accompanying drawings:

Fig. 1 is a perspective view of one form of the apparatus with a hand operated hair clipper attached thereto;

Fig. 2 is an enlarged side elevational view of the apparatus shown in Fig. 1;

Fig. 3 is a section taken along line 3-3 of Fig. 2;

Fig. 4 is a side elevational view of another embodiment of the present invention which is particularly adapted for supporting a hair-cutting mechanism having a cylindrical body section;

Fig. 5 is a section taken along line 5-5 of Fig. 4.

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An apparatus for supporting and guiding a hair-cutting mechanism which is constructed in accordance with the present invention includes a frame 10 which is adapted to be positioned on the head and a member 11 which slides along a section 12 of the frame. The frame is appropriately proportioned so that when the apparatus is positioned on the head, the lower end of the frame section 12 along which the slide member 11 moves is closer to the scalp than the upper end of the section 12. The sliding member 11 has a means for securing a hair-cutting mechanism thereto.

One preferred construction of the present invention is illustrated in Figs. 1, 2, and 3. As may be seen in Fig. 1, the frame 10 is constructed from a single length of wire which is sufficiently strong so as to be able to retain its shape unless subjected to a substantial force. The ends of the wire are joined together at 13 by means such as welding, thereby making the wire continuous which strengthens and rigidifies the frame 10.

The frame 10 includes a section 12 along which the sliding member 11 is guided, a section 14 which is adapted to seat on a person's head and which aids in supporting the guide section 12, an intermediate section 15 which interconnects the guide section 12 with the support section 14, and a section 16 which positions the lower end of the guide section a given distance from the scalp.

The support section 14 of the frame member may be constructed in any manner so as to seat stably on the head and support the rest of the frame member in a manner such that the lower end of the positioning section 16 of the frame 10 will rest against the back of the neck on the side of the head. In the embodiment illustrated in the drawings, the support section includes the sides 17 which are conveniently shaped so as to generally conform to the shape of the head of the person on whom the apparatus is to be used and a bridging end 18. The support section according to this construction should be adjusted by bending the sides 17 so as to engage the head at least at points A and B thereof. Since the frame is made of wire which may be deformed upon the application of a reasonable stress, the sides 17 can be adjusted so as to fit either a large or a small head.

The guide section 12 of the frame 10 is comprised of the guide rails 19 which are held in parallel-spaced relation by the rest of the frame 10. These rails 19 are preferably straight, as illustrated in the drawings. However, the guide rails may be constructed with a slight uniform curve if desired. The guide rails 19 are appro-

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priately positioned in the frame 10 so that when the frame 10 is applied to the head, the lower ends of guide rails 19 are closer to the scalp than the upper ends of the guide rails 19.

The intermediate section 15 of the frame 10 interconnects the guide section 12 with the support section 14. The section 15 has side members 21 which interconnect the rails 19 with the sides 17 of the support section thereby forming angles C and D. By simultaneously opening or closing angles C and D, the upper end of the guide section 12 can be positioned further from or closer to the scalp.

The positioning section 16 includes sides 22 which connect to the lower end of the guide rails 19 thereby forming angles E and a bridging end 23. By increasing or decreasing the angles E with a corresponding reverse adjustment of angles C, one can adjust the distance of the lower end of the guide section 12 from the scalp.

The slide member 11, shown in Figs. 1-3, is particularly adapted for use with an ordinary manually-operable hair clipper 24. The member 11 which is fabricated from a metal strip or the like has eyelet-shaped ends 25 which encompass the guide rails 19 for slideable movement therealong. The slide member 11 has a hole drilled at the center thereof (not shown) which provides a means whereby the hair clipper 24 can be securely attached to the slide member 11. The usual hand-operated hair clipper has a wing nut 26 secured to the upper side of the cutting head 27 which may be removed and replaced after the projecting screw 28 of the hair clipper 24 is extended through the hole in slide member 11. The slide member 11 may be bent as shown at 29 so as to position the head 27 of the clipper 24 in a definite direction relative to the direction of the guide rails 19. For example, it is generally desired to align the cutting head 27 so that the forward face 31 of the lower cutter 32 is in a plane which is parallel to the plane of the guide rails 19 (see Fig. 2).

In operation, a hair clipper 24, which is of an appropriate size and shape so as to be suitable for use with the above described apparatus, is connected to the apparatus by first detaching its wing nut 26, projecting its extending screw 28 through the centrally-positioned hole in the slide member 11 in the manner shown in Figs. 1-3, and then refastening the wing nut. As may be seen, the head 27 of the hair clipper 24 extends below the guide rails 19 intermediate the positioning section 16 and the intermediate connecting section 15. The sides 17 of the support section are then appropriately adjusted so that the frame 10 seats stably on the person's head with the lower end of the positioning section 16 just resting on the back of the neck or side of the head. The angles E and C are adjusted so that the lower ends of the guide rails 19 are the desired distance above the scalp. Finally, the angles C and D are adjusted so as to position the upper ends of the guide rails 19 the proper distance above the scalp which will give the desired taper to the border of the hair. After these adjustments are made, the hair clipper is operated and slowly moved upwardly parallel to the guide rails. When the slide member 11 is adjacent the bottom of the guide rails 19, the hair clipper is very close to the scalp so as to almost shave the neck at or adjacent to the lower border of the hair. As the slide member 11 moves upwardly, the hair cutter 24 moves upwards and outwardly from the scalp until the full length of the cut has been accom-

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plished producing an accurate and uniform shingle effect.

Another embodiment of the present invention is illustrated in Figs. 4 and 5. This embodiment is particularly adapted for use with a hair-cutting mechanism 33, having a substantially cylindrical body section 34. In this embodiment, the frame member 10 may be made substantially the same as that shown in Figs. 1 through 3, which has been previously described.

The slide member 35 illustrated in Figs. 4 and 5 is adapted for securely holding the hair-cutting mechanism 33 and guiding that mechanism along a path parallel to the guide rails 19. The slide member 35 includes curved sections 36 and 37, a first eyelet 38 formed at the interconnection between the curved portions 36 and 37 which encircles one of the rails 19, for sliding movement therealong, a second eyelet 39 formed at the outer end of the curved section 36 which encircles the other of the guide rails 19 for sliding movement therealong, and a third eyelet 41 formed at the outer end of the curved section 37 which is adapted to be moved edgwise so as to overlie the eyelet 39 to thereby clamp the hair-cutting mechanism 33 in position.

As may be noted in Fig. 4, the axis of the eyelets 38, 39, and 41 may be set at any angle relative to the direction of the sections 36 and 37 so as to properly position the cutter 42 of the hair-cutting mechanism 33 relative to the guide rails 19.

The slide member 35 may be modified so as to accommodate other types of hair-cutting mechanisms by shaping the members 36 and 37 of the slide member 35 so as to conform to the contour of the hair-cutting mechanism which is to be engaged.

Various other changes may be made in the above described apparatus without departing from the principles of the invention.

Various of the novel features of the present invention are set forth in the appended claims.

I claim:

1. An apparatus for supporting and guiding a hair-cutting mechanism comprising, an integral frame constructed from a single length of flexible wire which is adapted to be positioned on the head and a member which is attached to said wire frame for slideable movement along a section thereof, said wire frame being bent in zig-zag fashion so as to form a support section which is adapted to engage the head at least at two points thereof, a guide section along which said sliding member may move, an intermediate connecting section which connects the upper end of said guide section with said support section, and a positioning section, one end of which is adapted to engage the head and the other end of which connects to the lower end of said guide section, said wire frame being proportioned so that when it is positioned on the head, the lower end of said guide section is closer to the scalp than the upper end of said guide section, said wire frame sections being sufficiently flexible so that the relative positions of said wire frame sections may be adjusted for fitting said wire frame to any shaped head and for varying the distances of the upper and lower ends of said guide section from the scalp, and said sliding member having means whereby a hair-cutting mechanism may be removably secured thereto.

2. An apparatus for supporting and guiding a hair-cutting mechanism comprising, a frame which is adapted to be positioned on the head,

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said frame including a pair of parallel, spaced-apart guide rails, said frame being proportioned so that when it is positioned on the head, the lower ends of said guide rails are closer to the scalp than the upper ends of said guide rails, and a member which slides along said guide rails, said sliding member including a first section having an eyelet integrally attached to each end thereof, said eyelets slideably encompassing said guide rails, and a second section, one end of which is integrally attached to one of said eyelets attached to said first section, the other end of said second section having an eyelet integrally attached thereto which is proportioned to slideably fit over the other of said eyelets attached to said first section, and said slideable member being proportioned for securing a hair-cutting mechanism thereto.

3. An apparatus for supporting and guiding a hair-cutting mechanism comprising, an integral frame constructed from a single length of flexible wire which is adapted to be positioned on the head, said wire frame being sufficiently flexible so that it may be adjusted for fitting any shaped head, a portion of said wire frame arranged so as to form a pair of spaced-apart, parallel guide rails, said wire frame being proportioned so that when it is positioned on the head, the lower ends of said guide rails are closer to the scalp than the upper ends of said guide rails, said wire frame being sufficiently flexible so that it may be adjusted for varying the distances of the upper and lower ends of said guide rails from the scalp, a member which extends between and slides along said guide rails, said sliding member including a first curved section having an eyelet integrally attached to each end thereof, said eyelets slideably encompassing said guide rails, and a second curved section, one end of which is integrally attached to one of said eyelets attached to said first curved section, the other end of said second curved section having an eyelet integrally attached thereto which is proportioned to slideably fit over the other of said eyelets attached to said first curved section, and said sliding member being proportioned for removably securing a hair-cutting mechanism thereto.

4. An apparatus for supporting and guiding a hair cutting mechanism comprising an integral frame constructed from a single, elongated length of flexible material which is adapted to be positioned on the head and a member which is attached to said frame for slidable movement along a section thereof, said frame being formed into a zig-zag shape so as to include a support section which is adapted to engage the head, a guide section along which said sliding member

may move, an intermediate connecting section which connects the upper end of said guide section with said support section, and a positioning section, one end of which is adapted to engage the head and the other of which connects to the lower end of said guide section, said frame being proportioned so that when it is positioned on the head, the lower end of said guide section is closer to the scalp than the upper end of said guide section, said frame sections being sufficiently flexible so that the relative positions of said frame sections may be altered, and said sliding member having means whereby a hair cutting mechanism may be secured thereto.

5. An apparatus for supporting and guiding a hair cutting mechanism comprising an integral frame constructed from a single, elongated length of flexible material which is adapted to be positioned on the head and a member which is attached to said frame for slidable movement along a section thereof, said frame being formed into a zig-zag shape so as to include a support section which is adapted to engage the head at least at two points thereof, a guide section along which said sliding member may move, an intermediate connecting section which connects the upper end of said guide section with said support section, and a positioning section, one end of which is adapted to engage the head and the other end of which connects to the lower end of said guide section, said frame being proportioned so that when it is positioned on the head, the lower end of said guide section is closer to the scalp than the upper end of said guide section, said frame sections being sufficiently flexible so that the relative positions of said frame sections may be adjusted for fitting said frame to any shaped head and for varying the distances of the upper and lower ends of said guide section from the scalp, and said sliding member having means whereby a hair cutting mechanism may be removably secured thereto.

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