Dec. 20, 1927. 1,653,229

W. C. SCHERER ET AL

HAIR WAVER

Filed Nov. 11, 1926

Fig. 1.

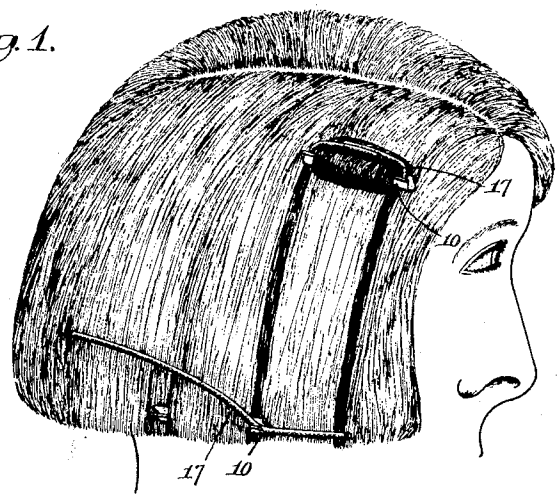


Fig. 2.

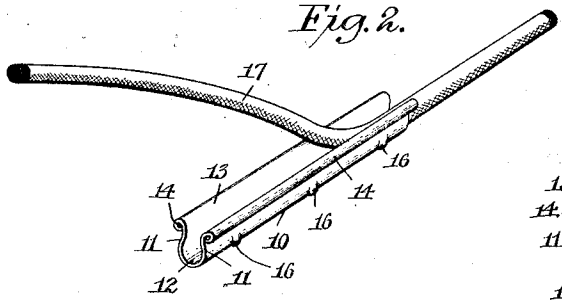


Fig. 3.

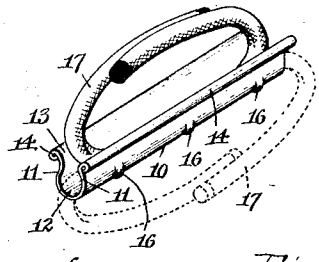


Fig. 4.

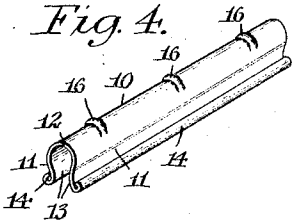


Fig. 5.

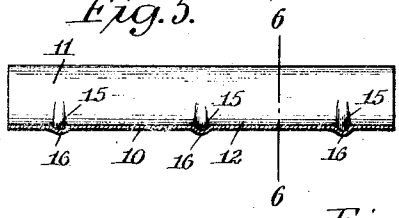


Fig. 6.

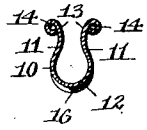


Fig. 7.

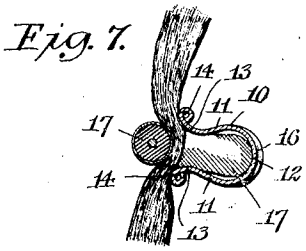


Fig. 8.

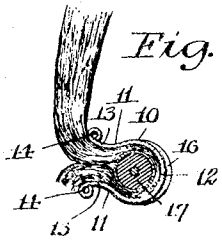
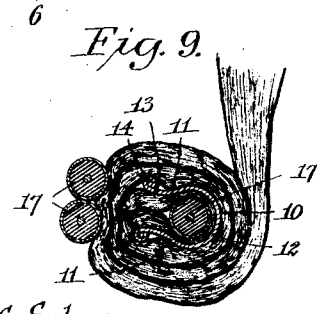


Fig. 9.



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UNITED STATES PATENT OFFICE.

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HAIR WAVER.

Application filed November 11, 1926. Serial No. 147,795.

Our invention relates to improvements in hair wavers, and more particularly to that type of waver around which hair is to be curled and retained in curled condition on the head for a period of time, with a view of waving the hair.

One of the objects of our invention is the production of a hair waver which is more particularly designed for waving short or bobbed hair, the construction permitting the extreme ends of the hair to be placed within the waver and fastened in position, and by the use of which the full length of the hair including the extreme ends thereof will be given the desired wavy effect.

Another object of our invention is the provision of a hair waver of the type mentioned, which is simple in construction and formed of only two parts, between which the ends of the hair to be wound are clasped, and around both of which the hair is curled; also wherein one of said parts is retained in a rebent condition over the curled hair for a period of time sufficient to assure the desired wavy condition of the hair when the waver is removed therefrom.

A still further object is the provision of a device of this kind which is cheap, easily applied to the hair and conveniently manipulated for waving the hair.

With the above and other objects in view, our invention consists in the novel features of construction and in the arrangement and combination of parts to be hereinafter described and more particularly pointed out in the subjoined claims.

In the drawings:—

Fig. 1 is a perspective view, illustrating the application and use of the invention.

Fig. 2 is a perspective view of the device showing the major portion of the flexible retainer member at an angle to the clasp to permit the insertion of hair therebetween.

Fig. 3 is a perspective view of the device showing the position of the two parts thereof as they appear when the ends of hair are clasped between them and curled around the body portion.

Fig. 4 is a detached perspective view of the metallic clasp.

Fig. 5 is a central longitudinal section through the clasp.

Fig. 6 is a transverse section taken on line 6—6, Fig. 5.

Figs. 7, 8 and 9 are enlarged transverse sections through the device, showing three steps in the operation of waving hair by means of the same.

Referring to the drawings in detail, the reference numeral 10 designates the body portion of the device, which is in the form of an elongated U-shaped clasp, more specifically described by stating that it is constructed of thin resilient sheet metal, preferably rust-proof and highly polished. This sheet metal is curved preferably throughout its length into substantially U-formation with the sides 11 thereof more closely approaching each other near their outer or free regions or marginal portions so that the space between the sides becomes gradually restricted from the bight 12 of the clasp toward the open side thereof and the marginal portions of these sides are flared outwardly, as at 13, and curled or curved upon themselves, as at 14, to eliminate sharp edges on the device.

In order that the sides 11 of this clasp retain their formation and resiliency, the clasp is provided at intervals along its bight 12 with transversely-arranged internal depressions 15 forming exterior beads 16 which extend around one-half the circumference of the bight or curved closed portion of said body portion. These beads provide the necessary rigidity along the full length of the bight or closed curved portion without detracting from the resiliency of the sides 11 of the clasp and prevent said sides remaining in separated condition when forced apart in the manner to hereinafter appear. This clasp is therefore of trough-like appearance and open at opposite ends and it is adapted to receive a flexible retainer member 17 which may be constructed of any suitable material, but is preferably in the form of a strand of rubber-covered copper wire, somewhat longer than the clasp 10 and of a diameter slightly greater than the space between the sides 11 of the clasp at its point of greatest restriction. Therefore, when inserted within the clasp this flexible retainer member will be retained therein by the resilient sides of said clasp; and as shown in Fig. 2, a portion of this retainer member may be withdrawn from the clasp while a portion is held within the clasp at one end thereof, thus allowing the ends of the hair to be waved to be placed over the open side of the clasp, after which that portion of the

retainer member withdrawn from the clasp may be forced into the clasp along the entire length thereof, with the extreme ends of the hair clasped between the two.

If desired, however, the retainer member may be entirely removed from the clasp, the clasp placed underneath the ends of a quantity of hair and the hair forced into the clasp by the retainer member, thus retaining the ends of the hair between the two, ready to turn the entire device along the hair and curl the latter around the device until it is brought in close proximity to the scalp or base of the hair, after which the free ends of the flexible retainer member may be folded upon the device in any direction, as indicated for instance in full lines in Fig. 3, and also by dotted lines in said figure, depending on the position of the clasp on the head as it is brought in close relation thereto.

By reason of the fact that the flexible retainer member is of slightly greater diameter than the space between the sides 11 at its most restricted point, the two members of the device will be retained in assembled position when the flexible member is inserted into the clasp, and although we have shown the bight or curved closed portion of the clasp of somewhat greater internal diameter than the diameter of the retainer member, these two parts may be of substantially the same size if desired.

As clearly indicated in Fig. 7, the ends of the hair to be waved are placed across the open side of the clasp, after which the flexible retainer member is placed against the hair so positioned and then forced inwardly between the resilient sides of the clasp, as indicated in Fig. 8, taking with it the end portions of the hair to be waved. The device is then rotated by means of the projecting portions of the flexible member, or otherwise, which causes the hair to be curled around the device, as indicated in Fig. 9, this being continued until the device is brought in close relation to the head or scalp, after which the free end portions of the flexible retainer member are bent over the hair curled around the device, as indicated in Fig. 1, and in this condition the device is worn for a period of time until the hair so curled has been given a wavy appearance.

It is of course understood that when forcing the flexible member and a portion of the hair into the clasp the resilient sides 11 of the clasp separate momentarily until the flexible member with the hair around the same is properly seated into the bight or larger closed side of the clasp, after which the resilient sides return to normal position. Thus the ends of the hair are clasped within the clasp 10 and the flexible member is properly seated within the clasp. This causes the hair between the two members of the device to be firmly clamped and the hair extending outwardly through the device to be pressed together by the longitudinal marginal portions of said flexible sides, as indicated in Fig. 7. The wavy condition of the remainder of the hair to be manipulated, depends on the firmness with which the hair is wound around the device, and by means of the free ends of the flexible member the hair is retained in position around the device exactly as it is curled, without any tendency of becoming loosened.

While this device is adapted for use in curling long hair, it is especially designed for curling short or bobbed hair, owing to the fact that the most pronounced portion of the wavy hair will be at the extreme ends thereof, due to the fact that these ends are closely rolled and clamped between the two members of the device, as clearly shown in Fig. 8.

Having thus described our invention, what we claim is:—

1. A hair waver, comprising two members, one a U-shaped clasp having resilient sides and the other a flexible retainer member fitting within said clasp, said flexible retainer member extending beyond the ends of said U-shaped clasp and being retained therein by the resilient sides of said clasp.

2. A hair waver, comprising two members, one a U-shaped clasp having resilient sides and the other a flexible member of cylindrical formation adapted to fit within said clasp and be retained therein by said resilient sides and between which flexible member and said clasp the ends of hair to be waved are retained and around both of which the hair is to be curled, the ends of said flexible member being adapted to be bent over the hair curled around the device to retain the hair on the device in curled condition.

3. A hair waver, comprising an elongated U-shaped clasp formed of sheet metal and open at opposite ends, said clasp having the metal provided with transversely-directed beads along its bight, and a flexible member adapted to be positioned within the bight of the clasp and be retained therein by the resilient sides of said clasp.

4. A hair waver, comprising a clasp formed of sheet metal bent into U-shape formation and open at opposite ends, the marginal portion of the metal being curved upon itself and the sides thereof being gradually brought closer together from the bight of the clasp toward the open portion thereof, and a flexible member fitting into said clasp and retained therein by the resilient sides thereof.

5. A hair waver, comprising an elongated clasp formed of sheet metal bent into substantially U-formation in cross section and

having resilient sides gradually approaching each other toward the open side of the clasp and thence flared to the longitudinal marginal portions of said metal, said clasp having transverse exterior ribs forming interior depressions at intervals along the bight of the clasp to assure maintenance of the resiliency of said sides, and a flexible retainer member within said clasp and extending at opposite ends beyond opposite ends of said clasp.

In testimony whereof we affix our signatures.

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EVELYN D. SCHERER.