Jan. 19, 1926. 1,570,141

J. GLANTZ

HAIR WAVER

Filed Dec. 3, 1924

Fig. 1.



Fig. 2.

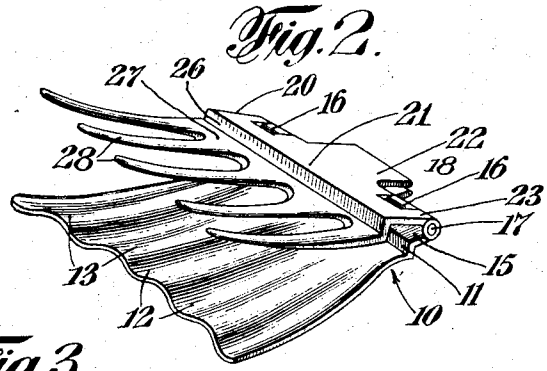


Fig. 3.

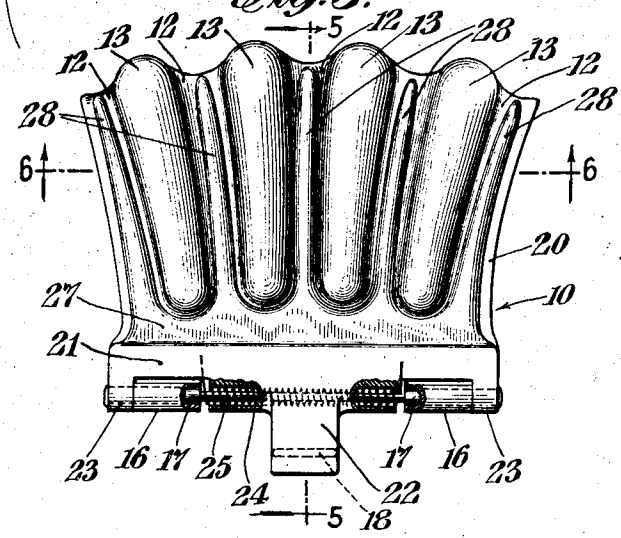


Fig. 4.

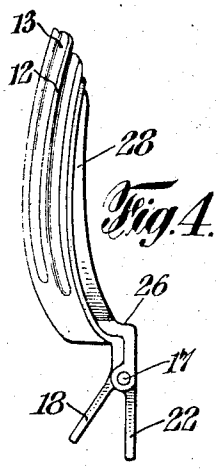


Fig. 5.

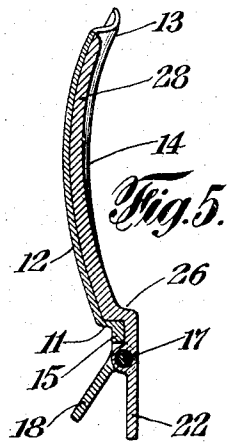


Fig. 6.



Fig. 7.

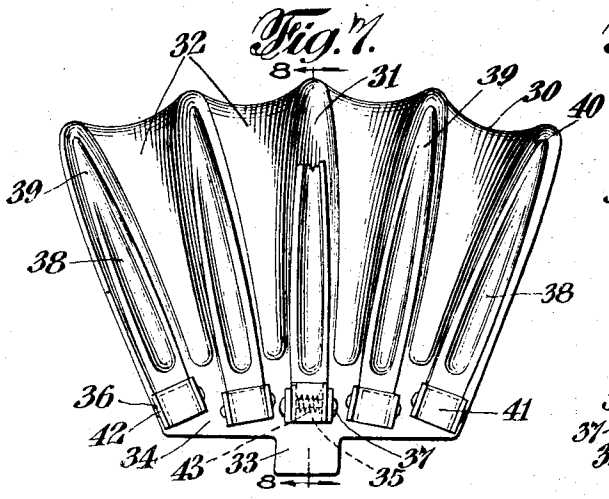
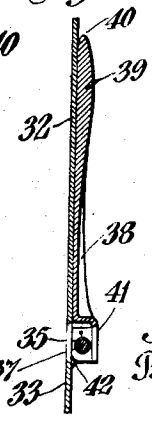


Fig. 8.



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UNITED STATES PATENT OFFICE.

JOSEPH GLANTZ, OF NEW YORK, N. Y.

HAIR WAVER.

Application filed December 3, 1924. Serial No. 753,629

To all whom it may concern:

Be it known that I, JOSEPH GLANTZ, a citizen of the United States, and a resident of New York, in the county of Bronx and State of New York, have invented certain new and useful Improvements in Hair Wavers, of which the following is a specification.

This invention relates to devices for improving the appearance of the hair or coiffure by inducing a waving or crimping effect and has as one of its objects to provide a simple and effective device, capable of being used by women without inconvenience, being easily applied or removed as desired.

It is a further feature to produce an appliance which will unfailingly produce pleasing results in a brief interval of time and without the least detriment to the hair.

Another aim is in the provision of a relatively inexpensive device susceptible of unlimited use and essentially automatic in its action, completely avoiding the use of heating means, electrical apparatus or other expensive, troublesome and injurious devices, that are highly objectionable.

These and other similar aims and objects are accomplished by the novel construction and arrangement of parts hereinafter described and shown in the accompanying drawing forming a material part of this disclosure and in which:—

Figure 1 is a perspective view of an embodiment of the invention illustrating its application.

Figure 2 is a perspective view looking from the lower side, the device being in an open position.

Figure 3 is a bottom plan view of the same, parts being broken away to disclose the construction.

Figure 4 is an edge view thereof.

Figure 5 is a longitudinal sectional view, taken on line 5—5 of Fig. 3

Figure 6 is a transverse sectional view, taken on line 6—6 of Fig. 3.

Figure 7 is a bottom plan view of a modified form of the device.

Figure 8 is a sectional view taken on line 8—8 of Fig. 7.

Referring more fully in detail to the drawing, the numeral 10 designates in general a relatively thin sheet or plate, of celluloid, aluminum or other suitable material, the main portion of which is die formed to present a series of undulations extended from a right angular transverse wall 11 at the outer portion of the implement.

The cavities or recesses 12 alternate with relatively wide arcuately raised elements 13, all of which blend into a generally level surface adjacent the wall 11 and diverge laterally towards their outer edge, presenting a fan-shaped appearance.

It is to be noted that the plate 10 is formed convexly, as at 14, to a radius approximating the wearer's head, this being clearly apparent in Figs. 5 and 6.

Leading oppositely from the wall 11 is a flange 15 formed with a pair of spaced extensions coiled to act as hinge members 16 receptive of the hinge pins 17, and provided with a central extension 18, which serves as a finger grip in operation.

A second plate 20 is shaped to produce a flat surface 21 having a central finger grip 22 disposed adjacently over the corresponding grip 18, and coils 23 at its ends to engage the outer ends of the pins 17 constituting the other members of the hinge.

The pins 17 are connected by a small rod 24 around which is a coiled torsional spring 25, one of the extending ends of the spring overlying the plate 15 and the other similarly disposed with reference to the corresponding plate 21, the effect of the spring being to close the plates on their engaging hinges, and it is to be noted that the plates are so formed as to enclose the spring except its projecting ends, thus preventing entanglement of the hair.

A wall 26 extends at a right angle from the plate 21 to overlie the wall 11 and from the opposite edge extends a plate 27 having a plurality of projecting prongs 28, smoothly finished and shaped in the manner of the tines of a fork to enter and coincide with the depressions 12 of the first named plate.

In the modification shown in Figs. 7 and 8, a plate 30 is provided with a series of depressions 31, arranged fan-wise, and having between them raised portions 32.

At the narrow, outer edge of the plate is a single finger grip 33 and in the level portion 34 of the plate, at the ends of the recesses 31, are openings 35, the material sheared being bent at right angles presenting parallel lugs 36 in which are positioned pins 37.

A plurality of prongs 38 having raised sides 39 and contracted curved ends 40 are

bent at their rear ends upwardly, as at 41, their down turned sides 42 engaging between the raised elements 36 and are pivoted on the pins 37 in the manner of a hinge.

These prongs 38 are pressed into the recesses 31 by springs 43 coiled around the pins 37, intermediate the prong sides 41, thus providing independently actuated prong members, and it is to be noted that these springs 43 are covered so as not to catch in the hair.

In operation, the hair is preferably moistened and combed across the head, the prongs 28 or 38 are pressed into the hair as closely to the scalp as possible, the plates 10 or 30 being raised from the prong elements.

When this has been done, the plates are released and the action of the springs 25 or 43 operates to press the plates against the prongs, the hair being disposed between and in such manner that the undulations of the plate are transferred to the hair, giving the wavy appearance so much in vogue.

A few minutes only are required, as by the time the hair has dried, the device can be removed, although it is to be noticed that these devices in no-wise interfere with the movement of the person and no discomfort ensues upon their application.

Either one or more of these wavers may be used as required at the same time, as for instance one on each side of the head.

While certain preferred embodiments of this device have been shown and described, it will be understood that changes in the form, arrangements, proportions, sizes and details thereof may be made without departing from the scope of the invention as defined in the appended claim.

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

A hair waver comprising a plate having an offset portion, a plurality of divergent prong elements integral with said offset portion adapted to enter the hair to be waved, a second plate hingedly engaged with said first named plate, said second plate being offset to fold closely adjacent the first plate in which the prongs are received together with the hair thereon, said plate, and prongs being curved, to conform to a person's head, a spring normally pressing said prongs towards said plate, and an angular lug on the second plate constituting means for manipulating said plate to release the prongs.

In testimony whereof I have signed my name to this application.

JOSEPH GLANTZ.