Oct. 9, 1934. S. GEPPI 1,976,490

HAIR WAVING APPARATUS

Filed July 13, 1933

Fig. 1.



Fig. 2.

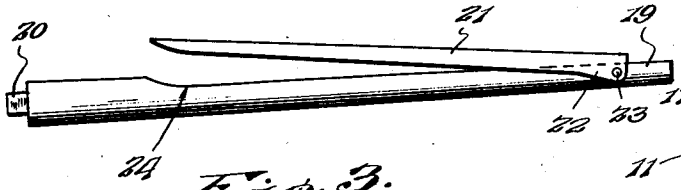


Fig. 3.

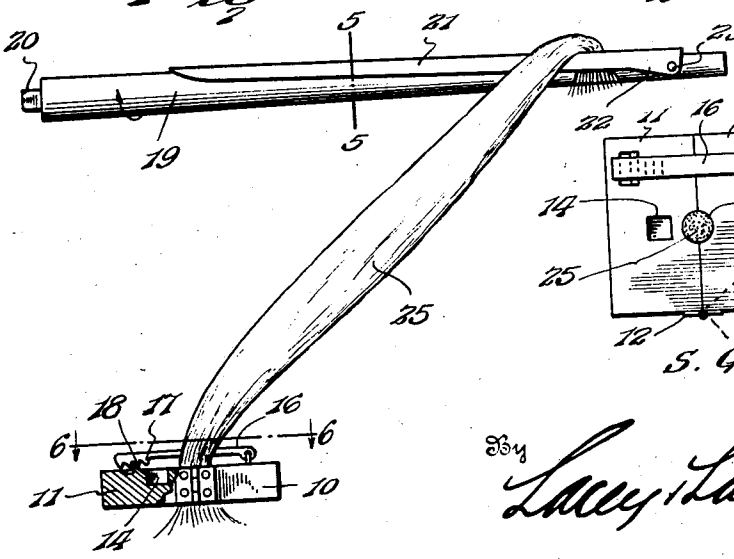


Fig. 4.

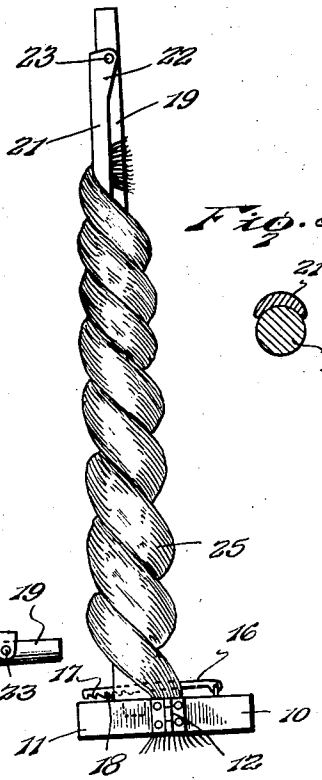
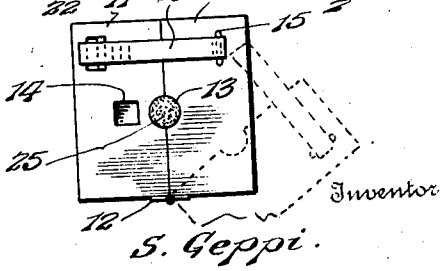


Fig. 5.

Fig. 6.



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Patented Oct. 9, 1934 1,976,490

UNITED STATES PATENT OFFICE

1,976,490

HAIR WAVING APPARATUS

Salvatore Geppi, Puyallup, Wash.

Application July 13, 1933, Serial No. 680,312

3 Claims. (Cl. 132—33)

This invention relates to improvements in hair waving apparatus for imparting a so-called permanent wave to the hair as well as an improved method of hair waving whereby the hair is formed into spiral curls with ringlette ends.

The invention seeks, among other objects, to provide a device embodying few and simple parts and wherein by winding the hair on the curling rod of the device from the free ends of the hair toward the scalp, the use of strings or other accessories for holding the hair on the curling rod will be eliminated.

A further object of the invention is to provide an improved base clamp for the curling rod wherein the base clamp will be of such a construction that the hair may be curled close to the scalp.

And the invention seeks, as a still further object, to provide a curling rod and base clamp which may be readily employed in connection with conventional heaters or heating devices as now used in conjunction with permanent hair waving machines without the necessity for structural changes therein.

With the foregoing and other objects in view, the invention consists in certain novel details of construction and combinations of parts hereinafter fully described and claimed, it being understood that various modifications may be resorted to within the scope of the appended claims without departing from the spirit or sacrificing any of the advantages of the invention.

In the accompanying drawing, Figure 1 is an elevation showing the present device in use,

Fig. 2 is a detail elevation of the curling rod,

Fig. 3 is a diagrammatic view showing the manner in which the hair is wound on the curling rod, this view also showing the base for said rod,

Fig. 4 is an enlarged elevation showing a lock of hair completely wound upon the curling rod,

Fig. 5 is a sectional view on the line 5—5 of Fig. 3,

Fig. 6 is a sectional view on the line 6—6 of Fig. 3.

In carrying the invention into effect, I employ a rectangular base clamp which is split medially to provide companion sections 10 and 11, and swingingly connecting the sections is a hinge 12. As seen in Fig. 3, the base clamp is relatively thin and the sections thereof are notched at their inner edges to provide a central opening 13 through the clamp. Formed in the upper side of the section 11, adjacent said opening, is a squared socket 14. Near its free end, the section 10 carries a staple 15 suitably fixed to said section and swingingly connected to said staple is a ratchet dog 16 provided at its lower side, adjacent the free end of the dog, with ratchet teeth 17. Suitably fixed to or formed on the section 11 to coact with said teeth is a lug 18. Thus, as will be seen, the dog 16 and lug 18 provide a means for adjustably locking the sections of the base clamp in closed position.

In conjunction with the base clamp, I provide a curling rod 19 which is tapered toward its upper end and, as seen in Figs. 2 and 3 of the drawing, is provided at its lower end with a squared base lug 20 snugly but removably engageable in the socket 14 of the base clamp. Swingingly connected to the curling rod, near its upper end, is a clamp 21 on which is formed ears 22 straddling the rod and extending through said ears and through the rod is a pin 23 pivotally mounting the clamp. The clamp is, as seen in Fig. 5, concavo-convex in cross section to fit the rod and extends throughout the major portion of the length thereof, the rod being cut away, at its adjacent side, as at 24, to accommodate the clamp so that, when the clamp is closed, the tip of the clamp merges gradually into the lines of the lower end portion of the curling rod.

In use, the base clamp is, as seen in Fig. 3, first engaged with a lock of hair, indicated at 25, adjacent the scalp, the lock of hair being received through the opening 13 between the sections 10 and 11 of the clamp. The dog 16 is then engaged with the lug 18 for binding the lock of hair in said opening so that the free end of the lock of hair may be manipulated without likelihood of pulling the hair. The clamp 21 of the curling rod 19 is then swung to open position when the free end of the lock of hair, as seen in Fig. 3, is wrapped about the curling rod near the pivoted end of the clamp, after which the clamp is closed for thus securely connecting the free end of the lock of hair with the curling rod. The curling rod is then revolved either toward or from the operator, as may be found most convenient, to wrap the lock of hair about the rod over the clamp, the base end of the curling rod being in the meantime moved toward the base clamp of the device so that when the wrapping of the lock of hair upon the curling rod is completed, the lug 20 of the curling rod may be engaged in the socket 14 of the base clamp, as seen in Fig. 4 of the drawing.

After the spiral turns of the lock of hair 25 are thus wrapped about the curling rod 19, as just described, it will be seen that the turns of hair will serve to securely bind the clamp 21 closed so that the clamp will function to securely

hold the free ends of the hair therebeneath. Accordingly, the necessity for the use of any strings for tying the free ends of the hair is eliminated. Furthermore, as the base clamp of the device is relatively thin, it will be seen that the device will function to curl the hair close to the scalp.

In Fig. 1 of the drawing I have shown a pair of the devices in use upon the head. As will be appreciated, the showing of Fig. 1 is primarily to illustrate only how the base clamps and curling rods appear when in actual use and, of course, an additional number of the rods and base clamps will be necessary in curling the hair of the head.

After the hair of the head has been arranged in locks and wrapped about an appropriate number of the curling rods, in the manner described, suitable heating tubes or electric heaters, as now commonly employed in connection with permanent waving apparatus, may be slipped over the curling rods and over the wrapped locks of hair for thus heating the hair and imparting a curl thereto. The heaters are then removed, when the curling rods are detached from the base clamps and the locks of hair unwrapped therefrom, when the base clamps are removed. It will then be found that the locks of hair have each been formed into a spiral curl, while the hair at the free end of each lock has been formed into a ringlette, due to the fact that the free ends of the hair were wrapped directly about the curling rod beneath the clamp thereof. Thus the hair may be subsequently dressed or arranged in natural appearing waves with ringlette ends, well-known to the hairdresser.

Having thus described the invention, I claim:

1. Hair waving apparatus including a base clamp, formed of pivotally united sections having their confronting edges provided with registering recesses defining a hair-receiving opening, means swingingly connecting the sections of the clamp, a dog swingingly mounted upon one of said sections, a lug carried by the other of said sections engageable by the dog for adjustably securing the sections about a lock of hair and positively clamping the hair directly against the walls of said opening, one of said sections being provided with a squared socket, a curling rod provided at one end with a squared lug removably engageable in said socket for supporting the rod against rotation on the base clamp, and a clamp swingingly mounted upon the curling rod near its upper end and engageable over the free end of a lock of hair wound about the rod over the clamp.

2. Hair waving apparatus comprising a base clamp formed of pivotally united sections having their confronting edges provided with registering recesses defining a hair-receiving opening, a locking dog carried by one section and adapted to engage the other section for positively clamping a lock of hair directly against the walls of said opening, a curling rod detachably secured to the base clamp, and a clamp carried by the free end of said rod for securing the lock of hair between such clamp and the rod whereby said lock of hair may be wound on the rod from its free end toward the scalp and the rod subsequently engaged with the base clamp.

3. Hair waving apparatus comprising a base clamp formed of pivotally united sections having their confronting edges provided with registering recesses defining a hair-receiving opening, means for holding said sections together and positively clamping a lock of hair directly against the walls of said opening, one of the sections being provided with a socket having angularly disposed walls, a curling rod having an angular end removably engaged in said socket for supporting the rod against rotation on the base clamp, and a clamp carried by the rod for securing the free ends of a lock of hair thereto and having said lock of hair coiled over the clamp from the free ends of the hair towards the scalp.

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