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O. R. NEMETH

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APPARATUS FOR DRESSING AND DRYING HAIR

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Fig. 1.

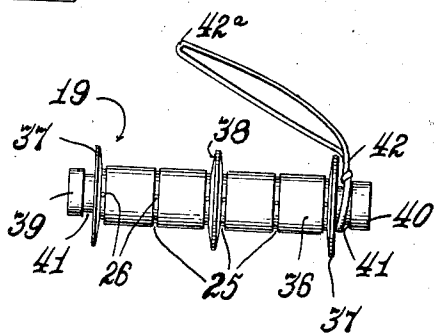


Fig. 3.

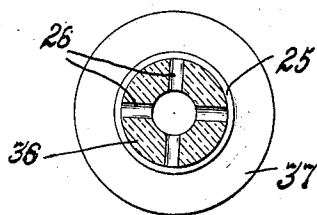


Fig. 2.

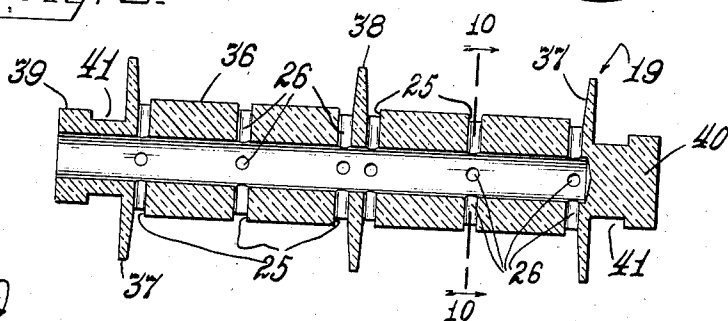
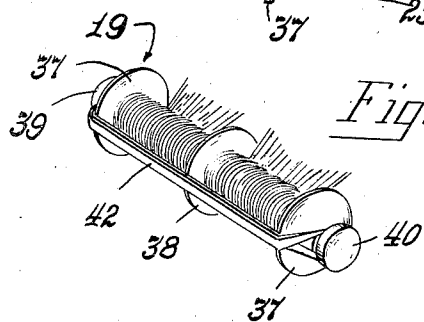


Fig. 4.



INVENTOR
OTTO R. NEMETH
Maurice S. Gayne
ATTORNEY

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APPARATUS FOR DRESSING AND DRYING HAIR

Otto R. Nemeth, Chicago, Ill., assignor, by mesne assignments, to Helene Curtis Industries, Inc., a corporation of Illinois

Application October 7, 1944, Serial No. 557,689

6 Claims. (Cl. 132-33)

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The invention relates to hair dressing apparatus and particularly to a hair curling and drying device suitable for ready attachment to and detachment from an apparatus for supplying a drying medium thereto.

It is customary, when dressing hair, to shampoo the hair so as to remove oils and greases therefrom, and while the hair is still wet to separate the same into a plurality of tresses, each of which is wound while wet into small curls and then dried. When thus prepared, the hair will retain the curl thus provided.

Common practice has been to wind the wet tresses of hair upon curlers or rods and then enclose the head within a hood or the like and apply heat over the entire hooded area of the head so as to effect quick drying of the hair. Application of heat in this manner, however, is objectionable primarily because it is applied externally to the entire scalp and consequently the individual being treated is subjected to considerable discomfort and also because the drying of the curls from the outside inwardly is exceedingly slow.

Various apparatus and devices have been used with varying degrees of success whereby heat is applied to the curls individually so as to effect their drying from the inside out. However, such means as are known are objectionable primarily because they are not particularly suited for dressing the hair to conform to prevailing fashions which by preference involve the arrangement of curls in axial parallelism on certain portions of the head arranged with their axis at substantially right angles to the plane of the head. Such known devices further are impractical in use in that the heating medium applied for delivery of heat within the body of the curl frequently escapes at the ends thereof with the result that much of the effectiveness of the otherwise practical manner of drying the curls is lost.

It is therefore an object of the present invention to provide a device for dressing and drying of hair which is constructed and shaped to facilitate uniform distribution of the drying medium throughout the entire length of the curl so as to insure quick, efficient and uniform drying thereof.

Another object of the invention is to provide a device for dressing and drying of hair of such shape as to insure uniform winding of a tress of hair throughout the entire length of said curler device, and thereby provide means for formation of curls substantially uniform in appearance.

Another object of the invention is to provide a curling device of the character disclosed herein, which is particularly adapted to facilitate the formation of curls so that the same will be very close to the scalp.

Other and further objects of the present invention will become apparent from the following

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description and claims, illustrated in the accompanying drawings, which by way of illustration shown preferred embodiments and the principle thereof and which are considered to be the best modes contemplated for applying that principle.

Other embodiments of the invention, embodying the same principle, may be used and structural changes may be made as desired by those skilled in the art without departing from the present invention and the purview of the appended claims.

In the drawings:

Fig. 1 is an elevational view of the curling device embodying features of the invention.

Fig. 2 is a longitudinal central sectional view of the curling device shown in Fig. 1.

Fig. 3 is a sectional detail view taken on line 3-3 of Fig. 2.

Fig. 4 is the perspective view of the curling device shown in Fig. 1, illustrating tresses of hair wound and secured thereon.

Referring to the drawing, the curling device 19 is of a kind to have a tress of hair wound thereon prior to attaching the curling device to one of a plurality of air lines, not shown, leading from a heater-compressor. When so attached, air under pressure is admitted into the interior of the curling device and it passes through suitable ports or other apertures therein so as to direct the heated air against the innermost area of a curl formed thereon to cause drying thereof from the inside outwardly.

The curling device 19 shown in Figs. 1 to 4, inclusive, is, particularly designed to accommodate winding of the tresses of hair from the tips to the scalp in Croquignole style. The use of this device is particularly desirable for forming curls at the base of the scalp. As shown, the curling device 19 includes an elongated hollow body portion 36 formed with an external circumferential flange 37 at each end thereof and a medial spacer flange 38 of substantially the same external diameter. The portions of the body 36, between the flanges 37 and 38, are each formed with a plurality of longitudinally spaced apart circumferential grooves 25, each of which is placed in communication with the interior of the body through a plurality of radial ports or similar passages 26.

One end of the curling device 19 is formed with a nipple 39 having a central opening therein communicating with the hollow interior of the body, which nipple provides means to receive a valved fitting (not shown) on the end of a flexible conduit leading from the associated heater-compressor whereby compressed, heated air may be delivered into the interior of the body. The other or closed end of the body is formed with a boss 40 having a size and shape substantially like that of the nipple 39. The nipple 39 and the boss 40, each of which extend be-

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yond the ends of the body portion 36, provide suitable means for holding the curling device during the winding operation. The nipple 39 and the boss 40 further are each provided with an external circumferential groove 41, one of which has firmly attached thereto one end of a retaining strand 42. This strand is, as best shown in Fig. 1, preferably made of elastic material and it is of a length considerably less than the length of the curling device so as to require it to be stretched in order to engage its free end 42a over the other nipple when said strand is used for securing the tress wound upon the curling device. Such stretching and fastening of the strand 42 is best illustrated in Fig. 4 15 wherein the curling device is shown having the tress of hair wound thereon and secured in place by such strand. It should be evident that the strand 42 may readily be disengaged from the nipple 39 upon the completion of the curling and drying operation, whereupon the curl may be unwound from the curling device and the process of hair dressing completed in the usual manner as by combing and setting.

Tresses wound upon the curling device in the manner shown in Fig. 4 are held spaced from the scalp by the spacer flange 38 and as a result the passage of heated air through the wound tress is not impeded and the scalp is not heated by such escaping air.

It should be understood that while the curling device of the present invention and the method of setting the curls have been described in detail herein, and particularly illustrated in the accompanying drawings, such curling devices may embody other details of construction and the invention is to be limited only by the scope of the appended claims.

I claim:

1. A curling device for waving of hair comprising, in combination, a hollow cylindrical body portion closed at one end, an external circumferential flange at each end of said body portion, an external circumferential spacer flange on said body portion between said end flanges, a nipple on the other end of said body in communication with the interior thereof, a plurality of circumferential grooves in the outside surface of the body spaced apart longitudinally between said flanges, and a plurality of ports in said body communicating with the interior of the body and opening into the circumferential grooves.

2. A curling device for waving of hair comprising, in combination, a hollow cylindrical body portion closed at one end, an external circumferential flange at each end of said body portion, an external circumferential spacer flange on said body portion between said end flanges, a boss on the closed end of said body, a nipple on the other end of said body in communication with the interior thereof, a plurality of circumferential grooves in the outside surface of the body spaced apart longitudinally between said flanges, and a plurality of ports in said body communicating with the interior of the body and opening into the circumferential grooves.

3. A curling device for waving of hair comprising, in combination, a hollow cylindrical body portion closed at one end, an external circumferential flange at each end of said body portion, an external circumferential spacer flange on said

body portion between said end flanges, a boss on the closed end of said body, a nipple on the other end of said body in communication with the interior thereof, a plurality of circumferential grooves in the outside surface of the body spaced apart longitudinally between said flanges, a plurality of ports in said body communicating with the interior of the body and opening into the circumferential grooves, and a strand to secure a tress of hair wound upon said body portions against unwinding, said boss and said nipple each being formed to retain an end of the strand when the latter is positioned to prevent unwinding of said tress.

4. A curling device for waving of hair comprising, in combination, a hollow cylindrical body portion closed at one end, an external circumferential flange at each end of said body portion, an external circumferential spacer flange on said body portion between said end flanges, a boss on the closed end of said body, a nipple on the other end of said body in communication with the interior thereof, a plurality of circumferential grooves in the outside surface of the body spaced apart longitudinally between said flanges, a plurality of ports in said body communicating with the interior of the body and opening into the circumferential grooves, an elastic strand to secure a tress of hair wound upon said body portions against unwinding, and a circumferential groove in said boss and in said nipple to each receive an end portion of the strand to retain it in place on the curling device.

5. A curling device for waving of hair comprising, in combination, a hollow cylindrical body portion closed at one end, an external circumferential flange at each end of said body portion, an external circumferential spacer flange on said body portion between said end flanges, a plurality of grooves in the outside surface of the body spaced apart longitudinally between said flanges, and a plurality of ports in said body communicating with the interior of the body and opening into the grooves.

6. A curling device for waving of hair comprising, in combination, a hollow cylindrical body portion closed at one end, an external circumferential flange at each end of said body portion, an external circumferential spacer flange on said body portion between said end flanges, grooves in the outside surface of the body, and a plurality of ports in said body communicating with the interior of the body and opening into the grooves.

OTTO R. NEMETH.

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