

[54] HAIR SETTING ASSIST

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[56]

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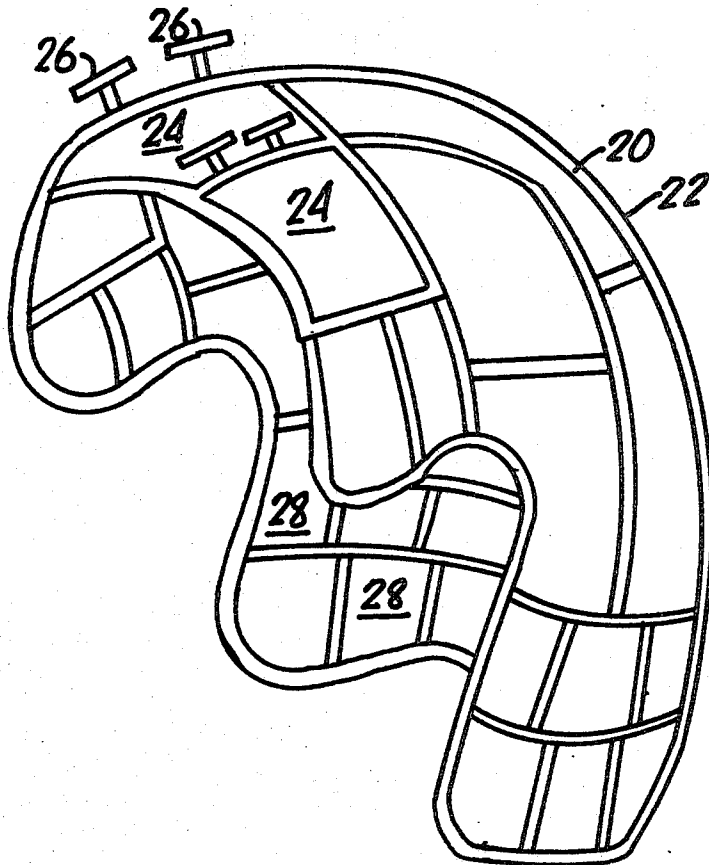
Attorney—Ralph R. Roberts

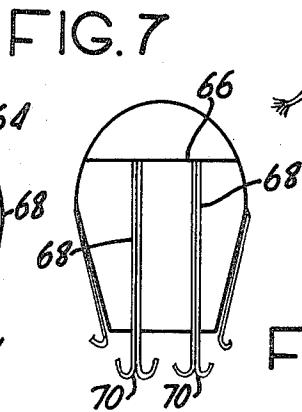
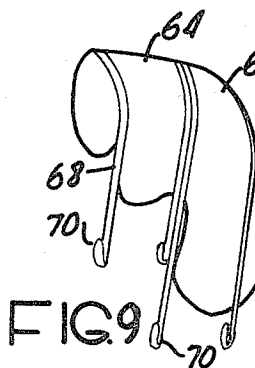
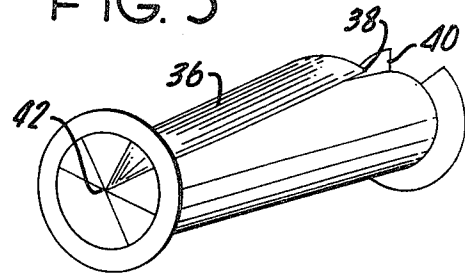
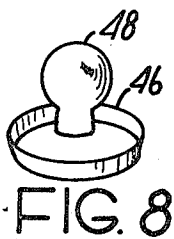
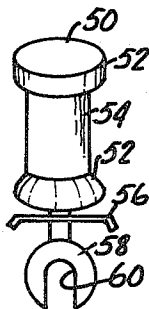
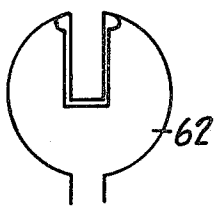
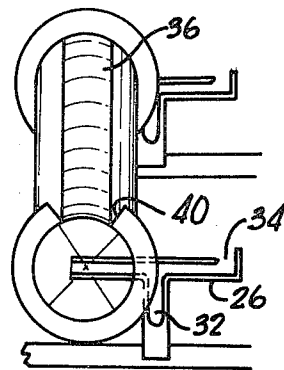
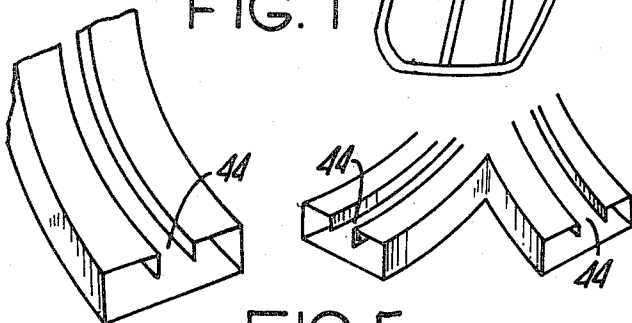
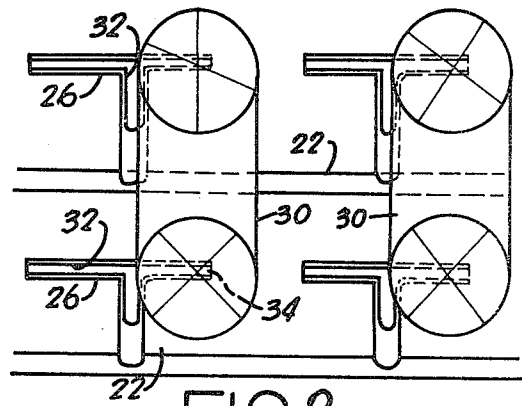
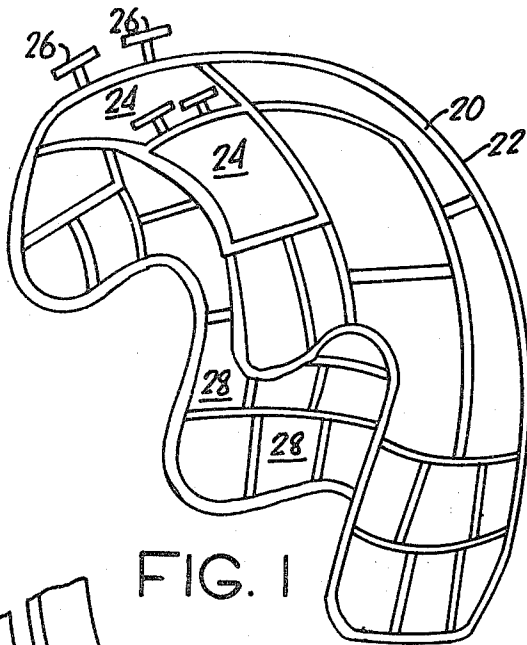
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ABSTRACT

A hair setting assist device comprises a removable rigid cap having spaced regions at which pivot pins are disposed for receiving forms for curls and other locations containing supports to which independent rollers can be secured.

4 Claims, 11 Drawing Figures





INVENTOR.
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HAIR SETTING ASSIST

SUMMARY OF THE INVENTION

My invention is a hair treatment device used by hairdressers which eliminates the permanent waving rods, end papers, hair curlers, hair rollers, and pin curl clips presently used for setting and permanently waving hair and enables the user to set and permanently wave hair without these items and in a fraction of the time usually required for these operations.

In my device, a cap is formed from a grid of wire like members. The cap has spaced regions which accommodate pivot pins to which pin curl forms can be secured. Other regions support roller supports to which rollers can be detachably secured. If desired, the cap can be equipped with tubing attached to or incorporated in the members through which hot air and/or steam can flow to dry and or set hair without use of standard hair dryer.

BRIEF DESCRIPTIONS OF THE DRAWINGS

In the drawings:

Fig. 1 is a perspective view of my cap;

FIG. 2 is an enlarged detail view of a section of the cap showing rollers and supports;

FIGS. 3 and 4 are different views of a directional roller and supports;

FIGS. 5, 6, 7 and 8 are detail views of the pivot pin and runner track construction;

FIGS. 9 and 10 show a variation of the structure shown in FIG. 1; and

FIG. 11 shows an auto wind mechanism used with the structures shown in the other Figures.

DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS

Referring first to FIG. 1, stainless steel wires 20 coated with clear durable plastic 22 are interconnected to form a cap having relatively large spaced regions 24 for locating directional rollers, some of which are bounded by T shaped roller supports 26. The cap also has relatively small spaced regions 28 defining pivot pin curl locations.

The cap is designed for a simple and/or common set that is widely used. Other cap designs can be employed. The cap can be cleaned and sterilized after use in a few minutes whereby rapid reuse is normal. The cup can be equipped with tubing through which hot air and/or steam can flow to dry and/or set hair. The tubing can be attached to or incorporated in the wires 20.

FIG. 2 shows two directional rollers 30 disposed in rear position on supports 26. The rollers can be shifted to forward, rear or lifted position. After the hair is rolled up, the roller can be shifted to the center of the support and held in position by the support locks 32 disposed in shafts of the supports. The tubing when employed can be disposed therein. Each support has a free open end 34 for ease of insertion and removal of rollers.

FIGS. 3 and 4 show roller 30 with a mesh type hair ends grip 36 and free end clasp 38. One end has a cut away section 40 to accommodate fastening of the free end clasp of the hair ends grip of the roller. The roller has a winding groove 42.

FIGS. 5-8 shows pivot pin curl runner track 44 having a runner guide 46 engageable therewith. Runner 48 is carried by the guide.

The pivot pin curl functions in the same principles as a self winding movie projector. Hair is lifted, combed, then laid upon the pin curl form (FIG. 3). This form has a winding groove 50 with convex ends 52, brush pin curl form 54, pin curl locks 56, and circular pin curl form pivot point 58 with circular pivot runner position 60. A circular outer cover 62 provides encasement for locks 56, point 58 and runner 48.

The form can be locked in place by lifting and turning which will permit locks 56 to extend beyond the perimeter of cover 62, thus lifting up runner 48, which will apply sufficient tension against the track to hold the curl in place.

In FIGS. 9 and 10, rollers and/or permanent waving rods will be supported on supports 64 having runners 66 riding inside tracks 68. Tracks 68 form the framework and extend to form extensions 70.

FIG. 11 shows a mechanism which acts as a tail for sectioning and lifting hair, as well as a comb for combing the sections of hair and automatically winds both the directional rollers and pivot pin curls. It is powered either by electric outlet or batteries with a motor in handle 72 rotating a shaft in a stationary socket 74. The removable comb section 76 slips on and remains stationary while winding pin curls and rollers. Thus the pin curls and rollers can be wound without interference from a revolving comb.

While I have described my invention with particular reference to the drawings, such is not to be considered as limiting its actual scope.

Having thus described this invention, what is asserted as new is:

1. A hair setting assist device disposed to enable a head of hair to be curled and set in a desired style, said assist comprising: (a) a frame disposed to be placed on and rest on the head of a user and when in position to provide a support network of elevated roller supporting bar members above said frame and upon which rollers may be removably mounted in a determined array, said elevated bar members being attached to said frame and arranged in parallel groups of bar members to provide a multiplicity of elevated parallel supports, and (b) a multiplicity of hair roller devices each removably mounted in selected positions upon and between a pair of elevated parallel bar members of said frame, each of said rollers disposed to retain a quantity of hair rolled circumferentially thereon after which the rollers are mounted and retained by their ends on and between a pair of parallel elevated bar members of the frame.

2. A hair setting assist device as in claim 1 in which the elevated bar member portions are T-supports fastened to portions of the wire frame, said T-supports having an open-ended trackway formed therein and in which the rollers have pin means extending from each end, said pins disposed to be removably mounted in the opposed trackways of said supports.

3. A hair setting assist device as in claim 1 in which the frame is made of wire bent to a desired configuration.

4. A hair setting assist device as in claim 3 in which the wire frame has the surfaces of the wire coated with a plastic skin.

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