

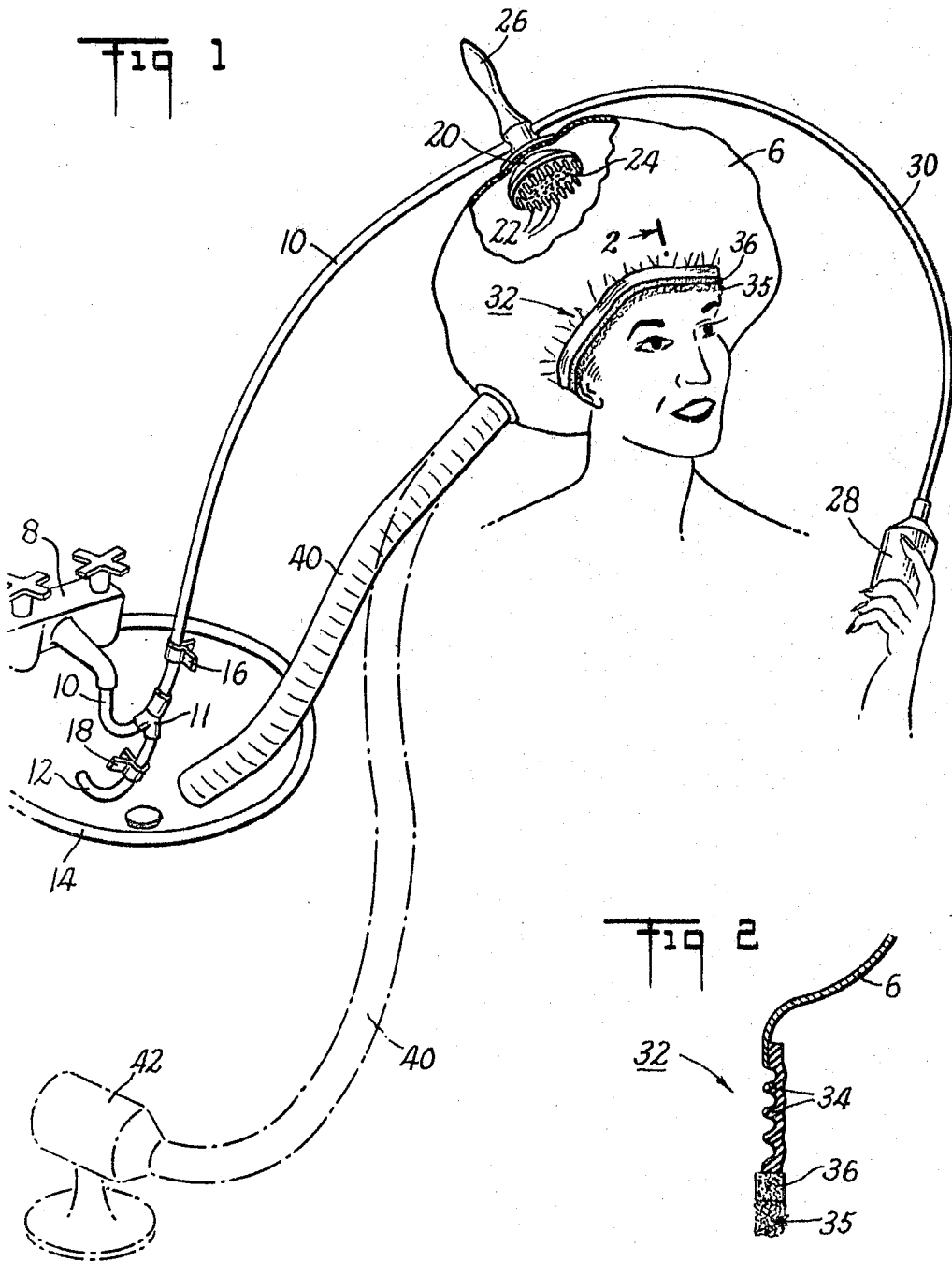
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SHAMPOO CAP

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SHAMPOO CAP

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2 Claims

ABSTRACT OF THE DISCLOSURE

The application discloses a novel shampoo cap and connection therefor. The cap provides a water and soap spray and a special seal at its open end including a ridged band to which is annularly attached a separate resilient buffer and absorbent material. Secured to water tubing for the spray and in communication therewith a special temperature test tubing having an adjustable clamp for providing a test flow of water prior to application of the shampoo solution.

This invention relates to cleaning implements and devices and, in particular, to such devices which facilitate the washing and drying of human hair.

Present day shampoo devices used in beauty parlors and the like require the applicant to assume inconvenient and uncomfortable poses and attitudes over a wash drain to the end that her clothes and body are kept in at least a semi-dry state during the washing process. According to the present invention, there is provided a shampoo device which allows the one who is receiving the shampoo treatment to remain comfortably seated and dry throughout the washing and drying process.

The present device is an improvement over all known devices in use as an aid to the shampoo treatment in that it provides a water-proof bag to receive and drain off the shampoo mixture while maintaining a complete seal between the bag and the continuous points of contact it makes with the head of the user.

In addition, the improved shampoo aid of the present invention provides a means for testing water temperature before application and a separate means for drying the hair after the conclusion of the shampoo treatment without the necessity of employing components additional to those required for the shampooing other than a conventional drier apparatus.

One object of the invention is to provide an improved shampoo device that can be used comfortably by the user to affect a satisfactory and efficient washing and drying hair operation.

Another object of the invention is to provide a shampoo apparatus which is especially designed for safe and efficient operation without discomfiting the user in any manner.

Other objects and advantages of the present invention may be appreciated on reading the following detailed description of one embodiment thereof which is taken in conjunction with the following accompanying drawings:

FIGURE 1 is a perspective view showing the improved shampoo cap and associated components required in the shampooing and hair treatment; and

FIGURE 2 is an enlarged detail of the head band in section taken on line 2—2 of FIGURE 1.

Referring to the drawings the shampoo cap 6 of the present invention is supplied with water by means of a temperature regulatable supply tap 8 and latex tubing 10. Intermediate the tap and the shampoo cap is a Y connection 11 from which a secondary tube 12 is extended back to a sink 14 over which the supply tap 8 is disposed. The tube 12 is employed to test the temperatures of the water before the tap is permitted communication with the

shampoo cap and to that end a clamp 16 on tubing 10 between the Y connection and the cap is closed and a second clamp 18 located between the Y connection and the sink is opened to permit the test. When the water temperature is regulated to a satisfactory level the clamp 16 is opened and the clamp 18 is closed so that all the water from the tap will pass to the cap for application to the hair of the user.

The shampoo cap is fabricated of such a water-proof material as a polyethylene plastic, the bag containing a sprayer 20 disposed on the end of the tubing 10 and providing a plurality of depending massage elements 22 annularly disposed about the perforated plate 24 which is conventionally provided in spray devices of this nature. A stiff plastic handle 26 is fitted about the tubing just above the plate 24 for the purpose of facilitating the spraying and massage operation.

A shampoo soap bottle 28 is connected into the cap by means of flexible tubing 30, being provided to supply a water and soap mixture in the cap for application to the hair in the washing process.

A specially designed baffle and water absorbent seal 32 is annularly disposed about the bottom rim of the cap. The seal 32 includes an elastic ring having a plurality of spaced, ridge elements 34 formed on its inner surface, the spaces between the ridges providing water trapping annular depressions with the ridges themselves being tightly pressed against the skin under elastic pressure. Below the elastic seal there is provided a water absorbing white lamb 35—a well-known cellulosic material—between the elements 34 and the bottom edge of the cap and a resilient annular buffer 36 is disposed at the junction line of the lowermost element 32 of the seal and the top edge of the “white lamb” 35, the buffer 36 being made of a sponge rubber like material and projecting inwardly of the cap a greater distance than the ridge elements so that any water escaping past the ridges will be trapped thereby. Any moisture below the buffer 36 will then be entirely absorbed by the material 35 at the bottom of the cap whereby the user of the cap is prevented from coming into contact with the shampoo liquid while the cap is on her head.

After the shampoo is applied and the hair has been thoroughly scrubbed by the sprayer 20, the hair is rinsed by tap water from the tap 8. Then the shampoo bottle 28 may be replaced with a similar squeeze bottle containing hair conditioning agent, such as a lemon rinse solution, for completing the hair treatment as a final stage in the shampoo operation.

A lower portion of the shampoo cap is in communication with a drainage trunk 40 which leads the water and soap mixture to the sink for disposal therein. After the shampoo operation is completed the trunk 40 may be connected to a drier device 42, as illustrated in FIG. 1 showing the trunk 40 in dotted line position, which passes warm air over the user's head until it is in dry condition. The hair washing and drying operation using the new shampoo cap is then completed.

What is claimed is:

1. An open-ended shampoo cap having a liquid sprayer supported therein, a water supply tube connected to said liquid sprayer and adapted for connection with a water source, a soap supply tube adapted for connection to a source of soap and also connected to said sprayer, a drainage trunk attached to said cap for emptying the cap of excess water and soap, a water temperature testing tube connected to said water supply tube for temperature testing the water while the water supply tube remains connected to a water source, a first adjustable clamp mounted on said water supply tube between said cap and the point

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of connection with the testing tube, a second adjustable clamp on said testing tube, the first clamp prohibiting water flow during temperature testing and said second clamp preventing water leakage during the shampoo operation and an elastic sealing means secured to the inner surface of said cap proximate the open end thereof having spaced ridges formed therein and a resilient buffer and an absorbent material annularly attached thereto below said buffer.

2. A shampoo cap as defined in claim 1 wherein a hair drier is adapted to be connected to the free end of said drainage trunk.

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