This invention pertains to the general field of coiffures and, more specifically, the instant invention relates to means for imparting a frosting, tipping and/or streaking to the hair of the head.

Hairdressers have long been plagued with problems resulting from their clientele's request for streaking, tipping or frosting the hair of the head in specific locations, as well as effecting a color change of desired intensity. It is, therefore, one of the primary objects of this invention to provide a device of the type generally referred to above which enables a hairdresser to quickly and accurately tint, tip, dye or streak the hair and to observe the color change thereof throughout the process in order to obtain the desired coloration.

Another object of this invention is to provide a hair-accommodating receptacle especially designed to receive a hair-treating liquid.

A further object of this invention is to provide a device of the type described to receive a plurality of hair fibres or filaments therein for processing to effect a color change therein.

This invention contemplates, as a still further object thereof, the provision of a device referred to supra, which is non-complex in construction and assembly, inexpensive to manufacture, and which is durable in use.

Other and further objects and advantages of the instant invention will become more evident from a consideration of the following specification when read in conjunction with the annexed drawing, in which:

FIGURE 1 is a perspective view of a hair-treating device constructed according to this invention, FIGURE 1 illustrating the device in its operative condition;

FIGURE 2 is an enlarged longitudinal, cross-sectional view, FIGURE 2 being taken substantially on the vertical plane of line 2—2 of FIGURE 1, looking in the direction of the arrows;

FIGURE 3 is a detail cross-sectional view, FIGURE 3 being taken substantially on the vertical plane of line 3—3 of FIGURE 2, looking in the direction of the arrows;

and

FIGURE 4 is an exploded perspective view of the device shown in FIGURE 1, FIGURE 4 illustrating the device as being opened to its operative position.

Referring now more specifically to the drawing, reference numeral 10 designates, in general, a hair-treating device or receptacle constructed in accordance with the teachings of this invention. The device 10 is preferably formed of a transparent substantially rigid plastic material. The device 10 is seen to comprise an elongated substantially hollow cylindrical main body portion 12. The main body portion 12 includes axially-elongated semi-cylindrical sidewalls 14, 16, each having a semi-cylindrical end wall 18, 20, respectively, at a pair of adjacent ends thereof. Each of the end walls 18, 20 is also formed of a transparent plastic material and the end walls are preferably integrally formed with their associated sidewall. Each of the end walls 18, 20 is provided with centrally-located semi-circular transversely-extending openings 22, 24, respectively. The sidewall 14 at diametrically-opposed sides thereof is preferably integrally formed with a pair of longitudinally extending parallel and outwardly-projecting ribs 26, 28 which are parallel to the longitudinal axis of the device 10. The end wall 18 is formed with a similar pair of diametrically-opposed, outwardly-projecting ribs 30, 32.

The sidewall 16, at diametrically-opposed sides thereof is provided with inwardly-extending, longitudinal parallel grooves 34, 36 that are also parallel to the longitudinal axis of the device 10, and are adapted to receive the ribs 42, 44 therein in sealing, that is, liquid-tight engagement therewith.

The end wall 20 is formed with a pair of diametrically-extending grooves 38, 40 which are designed to receive the ribs 30, 32 therein in a liquid-tight seal.

The opposite ends of the sidewalls 14, 16 are each integrally formed with ribs 42, 44 that project laterally from the concave sides thereof, the ribs 42, 44 being designed for reception within grooves 46, 48, respectively, of a pair of removable semi-cylindrical gaskets or inserts 50, 52 formed of rubber, or other suitable materials. The gasket 50 is provided with a diametrically-extending groove 53 interrupted intermediate its ends by a transversely-extending semi-circular opening 54. The gasket 52 is formed with a diametrically-extending rib 55, the latter being interrupted intermediate its ends by a semi-circular opening 56. When the device 10 is in its operative condition, the rib 55 is received within the groove 53 in a liquid-tight seal.

The sidewall 14, adjacent each end of the rib 28, is integrally formed with a pair of axially-elongated tubular barrels 58, 60, respectively, the inner ends of the latter being juxtaposed with respect to the opposed ends of a third hollow tubular barrel 62 integrally formed with the sidewall 16 adjacent the groove 34. The barrels 58, 60 and 62 are coaxially aligned to receive therethrough a pinlike 64 to obtain a hinged connection between the two sidewalls 14, 16.

On that side of the sidewall 14 adjacent the rib 26 is an axially-extending outwardly-projecting tongue 65. (See FIGURE 3) which, when the device 10 is in its closed operable position as shown in FIGURE 1, receives thereover the locking lips 66 which are preferably integrally formed with the sidewall 16 adjacent the groove 36. As is seen in FIGURE 5, the lips 66 are axially spaced and project beyond the groove 36.

If desired, the sidewall 16 may be formed with an exterior integral arcuate band 68 to which is connected one end of a flexible strap 70 also formed of the same plastic material as is the device 10, or of any other material having the desired flexural characteristics. The other end of the strap 70 is fixedly connected to a plastic cap 72 having an enlarged finger-engageable discoidal head 74 from the side of which laterally projects a centrally-positioned plug 76.

Assuming that the gaskets or inserts 50, 52 are inserted in their respective associated semi-cylindrical walls 14, 16, hair strands or filaments 78 to be frosted, tipped, streaked, et cetera, are now laid in one or the other of the semi-cylindrical walls 14, 16 with those portions thereof adjacent the root ends of the hair being disposed within one or the other of the openings 54, 56. Thereafter, the non-selected one of the semi-cylindrical walls 14, 16 is pivoted about the pinlike 64 to close the device 10 as shown in FIGURES 1, 2 and 3. This results in the formation of a pair of substantially cylindrical openings 80, 82 (See FIGURE 2) brought about by juxtaposing the semi-cylindrical openings 54, 56 and 22, 24 in confronting relation.

Thereafter, the device 10 is filled with a liquid hair-treating agent 84, the liquid being passed through the opening 82 after which the plug 76 is inserted therein.

The lips 66 clampingly engage over the tongue 65 to hold all elements of the device in liquid-tight sealing engagement, and the hair strands 78 having such bulk as to normally plug the opening 80 to prevent liquid seepage.

Since the hairdresser is enabled to see the change in color of the hair 78 by virtue of the transparency of the
walls 14, 16, the intensity of the coloring of the hair may be accurately controlled.

When the operator determines that the coloring of the hair has reached the desired shade or intensity, the two semi-cylindrical walls 14, 16 are pivoted to their respective open positions (see FIGURE 4) and the hair 78 is then removed from the device. The treating liquid 84 is discharged from both of the semi-cylindrical sidewalls 14, 16, the plug 76 is removed as are the inserts 50, 52, and all components of the device 10 are then sterilized by conventional means prior to the next use of the device 10. The strap 70 prevents the inadvertent separation and possible loss of the cap 72, since it is permanently connected to the device 10.

Having described and illustrated one embodiment of this invention in detail, it will be understood that the same is offered merely by way of example, and that this invention is to be limited only by the scope of the appended claims.

What is claimed is:

1. A hair-treating device comprising an elongated substantially hollow cylindrical member including a pair of axially-elongated semi-cylindrical sidewalls, means pivotally connecting together a pair of adjacent edges of said sidewalls, means disposed on the other pair of adjacent edges of said semi-cylindrical members releasably securing said sidewalls in closed position, each of said sidewalls at a pair of adjacent ends thereof having a semi-cylindrical end wall fixedly secured thereto, each of said end walls having an opening extending therethrough to admit into said device a hair-treating liquid, means for plugging said openings, said sidewalls adjacent their respective other ends having, respectively, a semi-circular insert secured thereon, and said inserts having openings extending transversely therethrough to admit and to pass hair strands therethrough and into said device.

2. A hair-treating device as defined in claim 1, and liquid-tight sealing means on each longitudinally-extending edge of said semi-cylindrical sidewalls cooperating to prevent passage or seepage of said hair-treating liquid.

3. A hair-treating device as defined in claim 2, and cooperating means on said end walls and said inserts to effect a liquid-tight seal therebetween.

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