Oct. 31, 1933. R. B. SEWARD 1,933,125

HAIR WAVING DEVICE

Original Filed Nov. 30, 1932

Fig. 1.

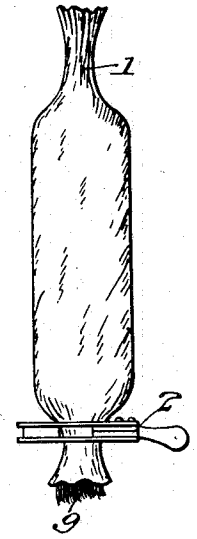


Fig. 2.

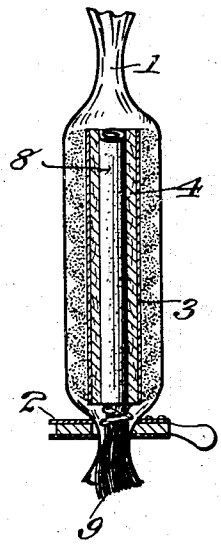


Fig. 3.

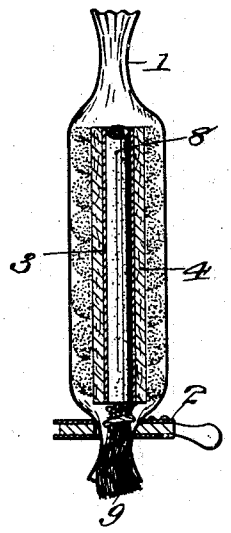
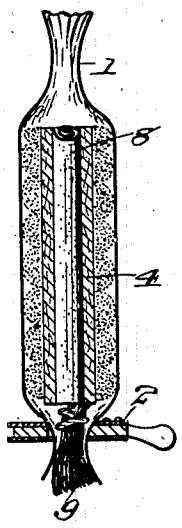


Fig. 4.



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HAIR WAVING DEVICE

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Original application November 30, 1932, Serial No. 644,956. Divided and this application February 16, 1933. Serial No. 656,985

5 Claims. (Cl. 132—33)

This invention relates to certain improvements in hair waving devices in which a pre-formed tress of hair is subjected to the action of an exothermic material which, when moistened, will of itself generate heat sufficient to impart a so-called permanent wave to the tress.

This invention comprises a hair waving device in which a charge of exothermic material in the form of a coiled sheet is inserted into a tube of absorbent material; a perforated tube of metal or other suitable stiff material being preferably used to provide a rigid support for the wound tress.

Practical embodiments of my invention are represented in the accompanying drawing, in which:

Fig. 1 represents the hair waving device in side elevation as in use;

Fig. 2 represents a longitudinal central section through the form of hair waving device in which the tress of hair is wound upon a perforated tube of stiff material and the absorbent tube is inserted between the perforated tube and the coiled sheet impregnated with the exothermic material;

Fig. 3 represents a similar section through the form of hair waving device in which the tress of hair is wound upon the absorbent tube and the perforated tube is inserted between the absorbent tube and the coiled sheet impregnated with the exothermic material; and

Fig. 4 represents a section similar to Fig. 3, with the perforated tube omitted.

The outer wrapper is denoted by 1, which wrapper may be made of any suitable non-absorbent material, such as parchment paper, foil, or the like. The clamp is denoted by 2, which clamp may be of any well known or approved form. It is to be understood that any suitable protective pad, not shown herein, may be inserted between the clamp 2 and the scalp of the person being treated.

The perforated tube is denoted by 3, which tube may be made of metal or other suitable stiff material.

The tube of absorbent material is denoted by 4, which tube is adapted to be moistened by water or by a suitable hair waving solution, such as that used for moistening the tress.

The charge of exothermic material is shown as a coiled sheet 8 impregnated with the exothermic material.

In the form shown in Fig. 2, the tress of hair 9 is wound upon the perforated tube and the tube of absorbent material 4 is inserted between the coiled sheet 8 impregnated with the exothermic material and the said perforated tube.

In the form shown in Figs. 3 and 4, the tress of hair 9 is shown as wound upon the tube of absorbent material 4, and the perforated tube 3 is shown as inserted between the coiled sheet 8 impregnated with the exothermic material and the said tube of absorbent material.

In the form shown in Fig. 4, the perforated tube 3 is omitted, the coiled sheet impregnated with the exothermic material being inserted directly into the bore of the tube of absorbent material.

The exothermic material impregnated sheet 8 may be of any suitable material, such, for instance, as blotting paper or cloth.

In practice, the tress of hair 9 is wound either upon the perforated tube 3 as shown in Fig. 2, or upon the tube of absorbent material 4 as shown in Figs. 3 and 4. The tress 9 may be moistened either before or after it is wound, by a suitable waving solution, such for instance as an ammonia solution. The tube 4 of absorbent material is moistened by water or by a suitable hair waving solution, such as that used for moistening the tress 9. The coiled sheet 8 impregnated with the exothermic material may then be inserted into the bore of the moistened tube of absorbent material in the form shown in Fig. 2 or into the bore of the perforated tube in the form shown in Fig. 3 or directly into the bore of the tube of absorbent material as shown in Fig. 4. The outer wrapper 1 is then wrapped around the wound tress and may be secured at the scalp end of the tress by the clamp 2, the outer end of the wrapper being twisted together to close the same.

The exothermic action starts at once because of the application of moisture by the wetted tube of absorbent material to the coiled sheet impregnated with the exothermic material. Heat is thus set up within the device sufficient to impart a so-called permanent wave to the preformed tress without requiring application of heat from an outside source.

It will be seen that the outside wrapper serves to confine the heat to a large extent within the device, the steam generated by the reaction of the water and/or waving solution with the exothermic material being permitted to escape through the crimped outer end of the said wrapper.

This application is a division of my copending application filed November 30, 1932, Serial No. 644,956.

It is evident that various changes may be resorted to in the construction, form and arrangement of the several parts without departing from the spirit and scope of my invention, and

hence I do not intend to be limited to the particular embodiments herein shown and described, but

What I claim is:

1. A hair waving device comprising a perforated tube and a tube of absorbent material telescoping one within the other, and an insertable coiled sheet impregnated with an exothermic material.

2. A hair waving device comprising a perforated tube upon which the tress is to be wound, a tube of absorbent material insertable into the perforated tube and adapted to be moistened, and a charge of exothermic material insertable into the absorbent tube, said charge being in the form of a coiled impregnated sheet.

3. A hair waving device comprising a tube of absorbent material adapted to be moistened, and a charge of exothermic material located inside of said absorbent tube, said charge being in the form of a coiled impregnated sheet.

4. A hair waving device comprising a tube of absorbent material adapted to be moistened, a perforated tube telescoping within the absorbent tube, and a charge of exothermic material, located inside of said perforated and absorbent tubes, said charge being in the form of a coiled impregnated sheet.

5. A hair waving device including a charge of exothermic material in the form of a coiled sheet impregnated with the exothermic material.

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