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E. G. McDONOUGH

2,076,156

HAIR WAVING PAD

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Fig. 1.

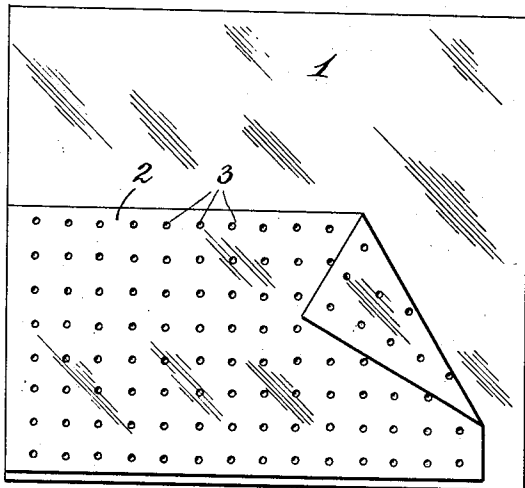


Fig. 2.

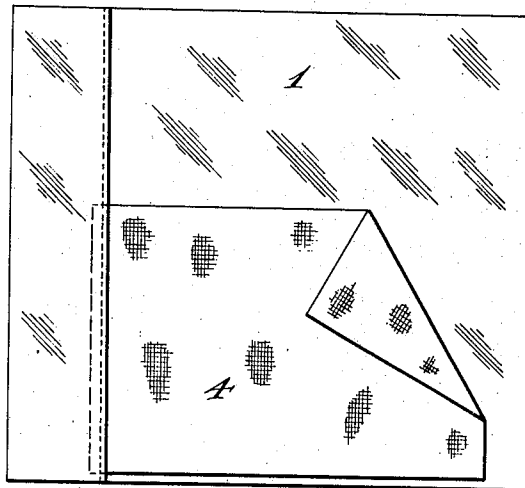


Fig. 3.

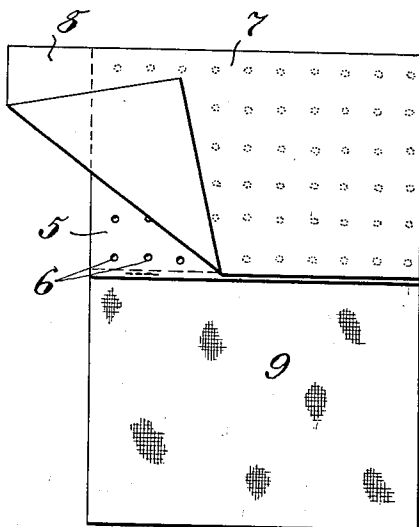


Fig. 4.

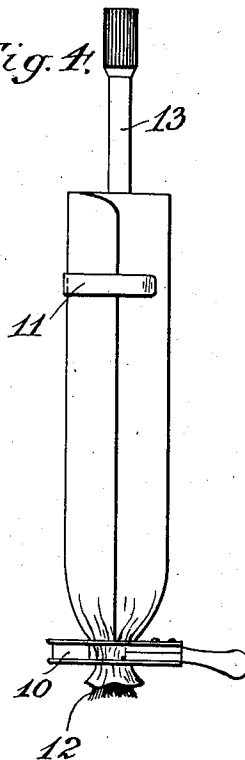
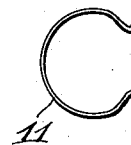


Fig. 5.



INVENTOR
E. G. McDonough
BY
Thomson & Smith
ATTORNEYS

UNITED STATES PATENT OFFICE

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HAIR WAVING PAD

Everett G. McDonough, Mount Vernon, N. Y., assignor to Zotos Corporation, New York, N. Y., a corporation of New York

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5 Claims. (Cl. 132—36.2)

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

The object of my invention is to materially reduce the expense of permanently waving hair by providing a wrapper of flexible impervious material and its inner hair protecting flap of flexible material, which wrapper and flap may be used over and over again with successive exothermic material containing envelopes.

My invention consists in a hair waving pad comprising the following elements: an outer wrapper, an inner flap carried thereby, a separate exothermic material containing envelope, and an absorbent flap carried thereby, the envelope and absorbent flap being removably inserted between the wrapper and its inner flap before the pad is wrapped around the pre-formed tress.

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

Fig. 1 represents an inside plan view of the outer wrapper with one form of the inner flap carried thereby;

Fig. 2 represents a similar view with another form of inner flap;

Fig. 3 represents an inside plan view of the temporarily sealed pre-perforated exothermic material containing envelope and its absorbent flap carried thereby;

Fig. 4 represents an outside view of the pad in its wrapped and secured position around a pre-formed tress; and

Fig. 5 represents one form of clip for holding the outer portion of the pad in its wrapped condition.

The outer wrapper 1 of the hair waving pad is adapted for repeated use and is of flexible impervious and durable material which will not be destroyed or its efficiency impaired by repeated use in connection with successive exothermic material containing packs.

This impervious outer wrapper 1 is preferably made of oil silk, rubberized or resinized fabric, etc. In the form shown in Fig. 1, the inner flap 2, which is carried by the impervious outer wrapper 1, is of the same material as the outer wrapper and is perforated, as shown at 3. In the form shown in Fig. 2, the inner flap 4, carried by the impervious outer wrapper 1, is of some pervious material, such as cotton cloth, and is unperforated.

The inner flap may be an extension of the outer wrapper and folded over on to the same, as shown in Fig. 1, or it may be a separate piece of material permanently secured to the outer wrapper, as by stitching, as shown in Fig. 2, where the secured end of the flap is shown as inserted between the wrapper and the folded over edge of the same.

The pack which contains the exothermic material is herein shown as an envelope 5 of impervious material, as foil, containing the exothermic material, the face of the envelope being pre-perforated, as shown at 6, the perforations being temporarily sealed by suitable means, such, for instance, as a removable sheet 7 of impervious material, as foil, adhered to the perforated face of the envelope by an adhesive, as petroleum jelly, which will not injuriously affect the pre-formed hair tress or the action of the exothermic material when the pad is in use. One edge of this sealing sheet 7 may be extended, as shown at 8, beyond the envelope 5 for facilitating the stripping of the sealing sheet from the perforated face of the envelope before the pad is to be used.

The flap 9 of absorbent material is herein shown as permanently secured along one of its edges to one of the edges of the envelope, as by staples.

The usual self-locking clamp 10 is provided for securing the inner end of the pad in its wrapped position snugly around the pre-formed tress, and a clip 11 is provided for holding the outer portion of the pad in its wrapped position with the outer end of the pad open. This clip 11 may be of spring or ductile material, as desired.

In practice, where a spiral wave is to be produced, the tress 12 is wound, as usual, around the mandrel 13. The tress may be moistened with a suitable waving solution either before or after the tress is wound. The sealing sheet 7 is stripped from the perforated face of the envelope 5, leaving the perforations exposed. The absorbent flap 9 is moistened by water or a suitable waving solution and folded over on to the perforated face of the envelope 5. The envelope 5 and flap 9 are then inserted between the outer wrapper 1 and the folded inner flap 2. The whole is then wrapped around the pre-formed tress with the inner flap located between the envelope and tress. The wrapped pad is then secured in position by the clamp 10 and clip 11. The exothermic action of the material within the envelope will develop heat sufficient to produce a so-called permanent wave. After the wave has been completed, the clamp 11 and clip 10 may be removed, thereby permitting the pad to be unwrapped. The used

envelope 5 and its absorbent flap 9 may then be removed from the outer wrapper 1 and its inner flap 2. The wrapper and its flap will then be ready for use in connection with an unused envelope and its absorbent flap.

While I have described my invention in connection with a spiral wound tress, it is to be understood that it would be equally applicable for use in connection with a croquignole wound tress.

10 It is also 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, hence I do not wish to limit myself to the particular embodiments herein set forth.

What I claim is:

1. In a hair waving pad, an outer flexible wrapper of relatively durable material adapted for repeated use, and an exothermic material containing flexible envelope forming a discardable element for single use only, the envelope being adapted to being removably placed in operative position upon the outer wrapper before the pad is applied to the hair tress.

25 2. In a hair waving pad, an outer flexible wrapper of relatively durable material adapted for repeated use, and an exothermic material containing flexible envelope and a flexible absorbent flap forming together a discardable unit for single use only, the envelope and absorbent flap being adapted to be removably placed in operative position upon the outer wrapper before the pad is applied to the hair tress.

3. In a hair waving pad, an outer flexible wrapper and an inner flexible hair protecting flap forming together a permanent unit, and an exothermic material containing flexible envelope and a flexible absorbent flap forming together a discardable unit for single use only, the envelope and absorbent flap being adapted to be removably inserted between the outer wrapper and its inner hair protecting flap before the pad is applied to the hair tress.

4. In a hair waving pad, an outer flexible wrapper and an inner flexible hair protecting flap forming together a permanent unit, and an exothermic material containing flexible envelope and a flexible absorbent flap forming together a discardable unit for single use only, the envelope and absorbent flap being adapted to be removably inserted between the outer wrapper and its inner hair protecting flap before the pad is applied to the hair tress, said inner hair protecting flap being perforated.

5. In a hair waving pad, an outer flexible wrapper and an inner flexible hair protecting flap forming together a permanent unit, and an exothermic material containing flexible envelope and a flexible absorbent flap forming together a discardable unit for single use only, the envelope and absorbent flap being adapted to be removably inserted between the outer wrapper and its inner hair protecting flap before the pad is applied to the hair tress, said inner hair protecting flap being of pervious material.

EVERETT G. McDONOUGH.