Jan. 13, 1942. E. J. FARRELL 2,270,040

HAIR WAVING PAD

Filed June 14, 1941

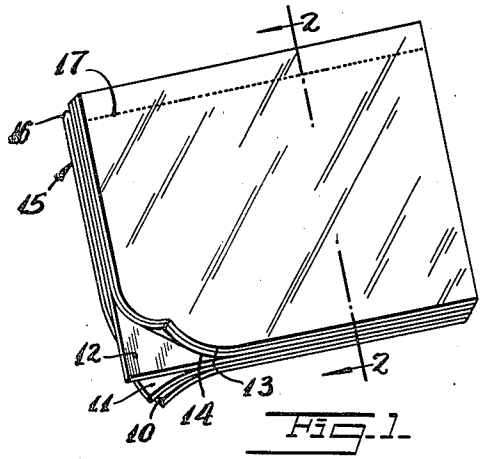


Fig. 1.

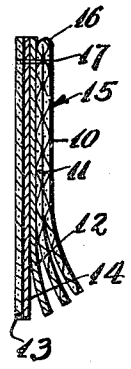


Fig. 2.

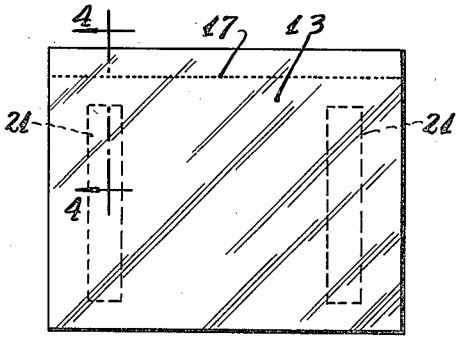


Fig. 3.

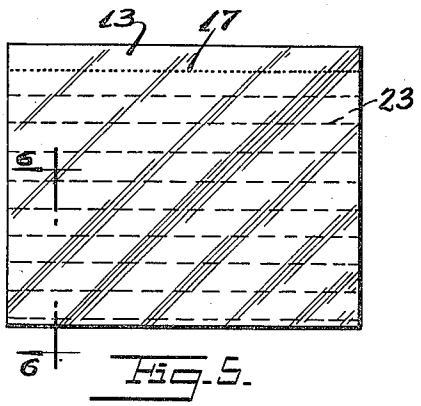


Fig. 5.

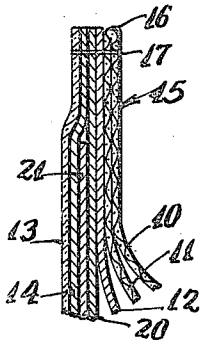


Fig. 4.

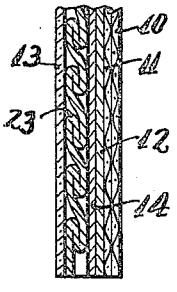


Fig. 6.

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HAIR WAVING PAD

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4 Claims. (Cl. 132—36.2)

This invention relates to new and useful improvements in a hair waving pad.

The invention has particular reference to a hair waving pad having the usual cloth and paper layers. These pads generally are provided with an outside aluminum wrapper sheet. These wrapper sheets have certain advantages and disadvantages. This invention proposes a change in the aluminum wrapper sheet to eliminate the various defects inherent in the prior constructions.

The chief disadvantage of present day aluminum wrappers resides in the fact that aluminum readily melts if a cigarette or other heat accidentally comes in contact with it. Furthermore, these aluminum wrappers readily tear. At the present time, because of war conditions, aluminum is scarce and substitutes must be found.

More specifically, the invention proposes the use of a cellulose film, such as Cellophane, arranged to comprise the outside layer or wrapper for the hair waving pad. It is proposed that this cellulose film be flame retardent and printed with an all over aluminum tone and embossed with a fine cloth thread finish. When thus constructed the new hair waving pads substantially look the same as the present day pads, but embodies numerous advantages. The wrapper no longer is of a substance which melts easily. It does not readily tear and at the present time Cellophane or other cellulose film is exceptionally cheap and plentiful.

An advantage embodied in the aluminum wrapper resides in its pliability. However, a modified form of construction is proposed in the new hair waving pad to compensate for the lack of pliability of the cellulose film layer.

Another object of the invention is the construction of an article as mentioned which is simple and durable and which may be manufactured and sold at a reasonable cost.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawing, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawing forming a material part of this disclosure:

Fig. 1 is a perspective view of a hair waving pad constructed in accordance with this invention.

Fig. 2 is a vertical sectional view taken on the line 2—2 of Fig. 1.

Fig. 3 is an elevational view of a hair waving pad constructed in accordance with a modified form of this invention.

Fig. 4 is a fragmentary enlarged vertical sectional view taken on the line 4—4 of Fig. 3.

Fig. 5 is an elevational view of a hair waving pad embodying another form of the invention.

Fig. 6 is a fragmentary sectional view taken on the line 6—6 of Fig. 5.

The hair waving pad, in accordance with this invention, includes the usual cloth layers 10 and 11 and the usual paper layer or layers 12. A cellulose film layer 13 of Cellophane or other similar material forms the outside layer or wrapper of the pad. This outside layer 13 is reinforced and backed with a waxed sheet of paper material 14 which is adhesively mounted on the inner face of the layer 13. The layers 10 and 11 of cloth material are formed from a strip of cloth material 15 which is bent at its center point 16. A line of stitches 17 engages through the top edge portions of the various layers to join them together in a unit to form the hair waving pad.

It is proposed that the cellulose film 13 be flame retardent and printed with an all over aluminum tone, and preferably embossed with a fine cloth thread finish to simulate the appearance of aluminum wrapper layers used in present day hair waving pads. An advantage of the new construction resides in the fact that the cellulose film 13 is non-inflammable, that it will not melt when subjected to lighted cigarettes, matches or other similar flames, that it does not readily tear, and that it is cheap and plentiful at the present time.

In Figs. 3 and 4 a modified form of the invention has been disclosed which is very similar to the prior form distinguishing merely in the fact that the hair waving pad is provided with an auxiliary layer 20 of paper material which is adhesively mounted upon the inner face of the backing sheet 14 of the cellulose film 13. A pair of laterally spaced pliable strips of material 21 is mounted in between the layers 14 and 20. These strips 21 may comprise strips of alluminum, lead or other similar pliable materials. The advantage of this construction resides in the fact that the strips 21 will give the hair waving pad the property of being pliable. When it is rolled in place during use, the strips 21 will tend to hold it rolled as placed. However, the strips 21 are not exposed to direct contact with heat or flame or other destroying properties. The strips 21 are well protected by the layers, 13, 14 and 20. In other respects this form of the invention is similar to the previous form.

In Figs. 5 and 6 another modified form of the invention has been disclosed which distinguishes from the prior form in the fact that a pleated or corrugated layer **23** is interposed between the cellulose film **13** and the backing sheet **14** of the pad to give the pad a pliable characteristic. The pleated sheet **23** has its pleats extending horizontally across from end to end. The sheets **13**, **23** and **14** are united as a unit with adhesive material. In other respects this form of the invention is similar to the previous forms.

The new hair waving pads are used in the identical manner to present day similar pads. Their advantages reside in their new construction embodying numerous improved features over the old pads.

While I have illustrated and described the preferred embodiments of my invention, it is to be understood that I do not limit myself to the precise constructions herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

Having thus described my invention, what I claim as new, and desire to secure by United States Letters Patent is:

1. A hair waving pad having a pair of adjacent back layers of cloth material, an intermediate layer of paper and a front layer of cellulose film material adhesively secured to a sheet of wax paper, an auxiliary sheet of paper disposed between said intermediate layer of paper and said front layer and adhesively secured to the exposed face of said sheet of wax paper, and means disposed between said auxiliary sheet of paper and said sheet of wax paper for making said pad more pliable to retain a given shape.

2. A hair waving pad having a pair of adjacent back layers of cloth material, an intermediate layer of paper and a front layer of cellulose film material adhesively secured to a sheet of wax paper, an auxiliary sheet of paper disposed between said intermediate layer of paper and said front layer and adhesively secured to the exposed face of said sheet of wax paper, and means disposed between said auxiliary sheet of paper and said sheet of wax paper for making said pad more pliable to retain a given shape, comprising spaced strips of vertically extending pliable aluminum material.

3. A hair waving pad having a pair of adjacent back layers of cloth material, an intermediate layer of paper and a front layer of cellulose material backed by a sheet of waxed paper, an auxiliary layer of material disposed between said layer of cellulose material and sheet of waxed paper, said layer of cellulose material, sheet of waxed paper and auxiliary layer of material being adhesively secured together as a unit, and means on said auxiliary layer of material for making said pad more pliable to retain a given shape.

4. A hair waving pad having a pair of adjacent back layers of cloth material, an intermediate layer of paper and a front layer of cellulose material backed by a sheet of waxed paper, an auxiliary layer of material disposed between said layer of cellulose material and sheet of waxed paper, said layer of cellulose material, sheet of waxed paper and auxiliary layer of material being adhesively secured together as a unit, and means on said auxiliary layer of material for making said pad more pliable to retain a given shape, comprising vertically spaced horizontally extending corrugations or pleats formed in said auxiliary layer of material.

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