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W. S. WATTS

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HAIR WAVING WRAPPER

Filed Dec. 7, 1928

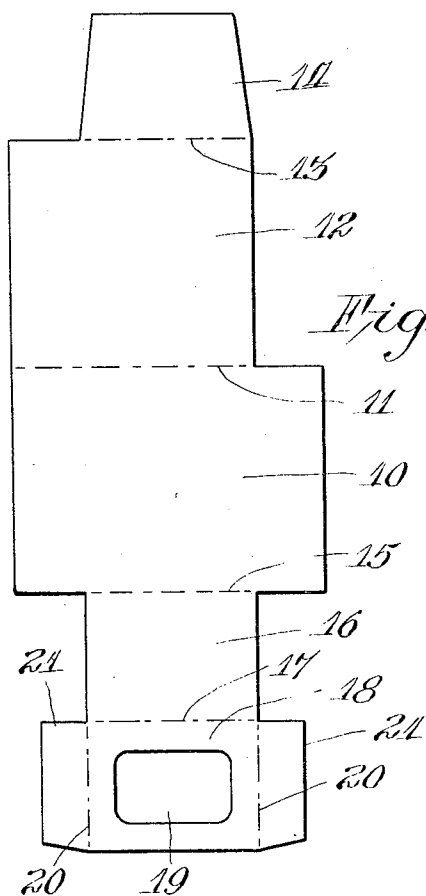


Fig. 1.

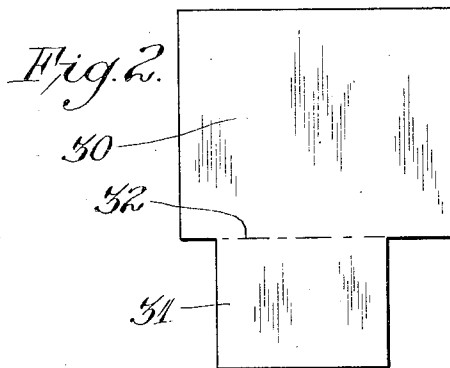


Fig. 2.

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Fig. 3.

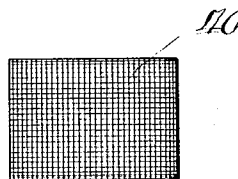


Fig. 5.

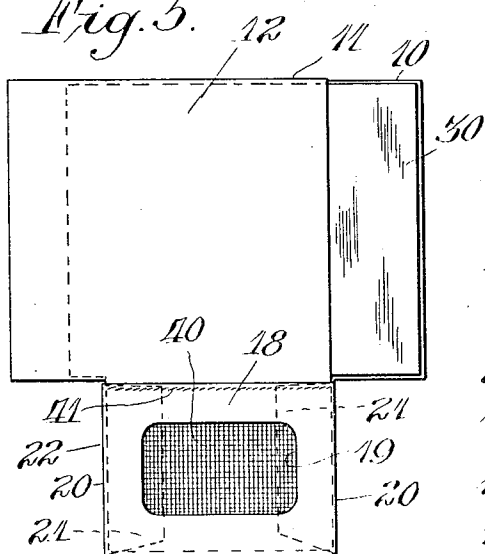
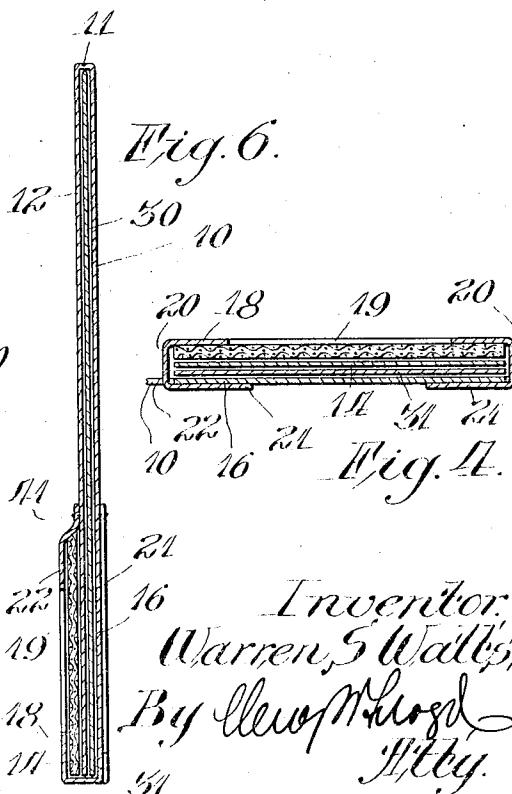


Fig. 6.



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UNITED STATES PATENT OFFICE

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HAIR WAVING WRAPPER

Application filed December 7, 1928. Serial No. 324,504.

The present invention relates to a device used for enclosing a strand of hair twisted or rolled for forming therein what is known as a permanent wave. It has particularly to do with the structural features of such an enclosing device.

There are on the market at the present time numbers of such devices, but none apparently has been produced with the idea of high utility, simplicity of structure, and low cost of production.

The construction herein described and illustrated overcomes the difficulties heretofore encountered in connection with such devices, frequently called "sachets", and provides an unique structure possessing advantages over previously suggested forms, and possessing an adaptability for production at extremely low cost. The simplicity of the device is very pronounced, and in addition to providing advantages in manufacture, it possesses a most pleasing outward appearance, probably being the most finished article of this character so far devised.

Included in the objects of the invention, among others, is a wrapper or permanent wave sachet which is pleasing to the eye, durable in construction, and economical to manufacture.

Further objects of the invention include the provision of a wrapper or sachet which is simple in its structural features and which meets the most exacting requirements of the user; and the provision of a device comprising component parts readily manufactured separately and subsequently assembled.

Improved structural features, facilitating improved "curling" action of the article are likewise a part of the objects of the present sachet, one of the ideas in mind being the production of a device capable of placing lasting waves in human hair.

Briefly stated, some of the differences between the present invention and the developments in the art of an earlier date are the following:

(1) A casing for an absorbent pad and a metallic sheet which casing is formed integrally and which provides means for con-

veniently registering the metal sheet therewith;

(2) The formation of the casing for such a device with the pad holding member integral herewith; and

(3) A casing permitting of metallic foil extending behind an absorbent pad, and capable of being produced in simplified assembly.

This latter arrangement, whereby the metallic foil is associated with one side of an absorbent pad insures the closest possible co-operation between a textile pad carrying a hair waving solution and the metallic foil backing to produce the steam treating effect so desired by the hair dresser.

The objects hereinabove referred to, and such objects as may hereinafter appear, are obtained by the novel construction, arrangement, and composition of the several elements forming the article herein referred to and fully illustrated.

One form only of the invention is illustrated in the accompanying single sheet of drawings, in which

Figure 1 is a front view of a blank used for forming the casing;

Figure 2 is a plan view of the metallic foil sheet used in association with the casing;

Figure 3 is a plan view of the textile pad which is adapted to be associated with the casing and foil;

Figure 4 is a fragmentary view of the lower portion of the blank shown in Figure 1, illustrating the method of forming the pocket therein;

Figure 5 is a plan view of an assembled sachet; and

Figure 6 is a transverse section of the completed sachet of Figure 5.

Like reference characters are used to designate similar parts in the drawings and in the description of the article hereinafter given.

Reference should be had first to Figure 1. In said figure, a blank of material which may be parchment or other paper or of sheet material, selected for this purpose, is shown.

In such plan view, the numeral 10 is used to designate the main body portion of said sheet. This particular section of the body is of greater length than any of the remaining sections of the casing material. Section 10 and the adjacent body portion are separated by a fold in the assembled device, such fold being represented by a dotted line 11 in Figure 1. Such adjacent portion is section 12, and one surface of it forms the inside of the sachet where the contiguous surface of section 10 forms the back portion of such sachet.

Depending from section 12 and separated by a fold indicated by the dotted line 13 in Figure 1 is an extension 14 which comprises in the assembled device an insert into an envelope or pocket formed from the material at the other end of the blank.

Depending from the opposite side of section 10 and separated therefrom by a dotted line indicated by the numeral 15 is such portion of the blank as is employed for the forming of a pocket.

Such pocket section comprises a section 16 which is generally rectangular and which forms the back of such pocket.

Extending from the section 16 and separated therefrom by a fold, dotted line 17, is a windowed section 18, the window or opening therein being designated 19. Such window is of a suitable size, and should not be so large that a pad to be inserted into the pocket may accidentally slip therefrom. The proportions shown in the drawings are generally satisfactory for all purposes.

At each end of the section 18 and separated therefrom by a fold, dotted line 20, are lateral extensions 21. To form a pocket, designated as a whole 22, the member 18 is folded forwardly on the fold line 17 and over the member 16 after which the ends 21 are folded upon the lines 20 to lap over and upon the back 16. Ends 21 are adhesively secured to the back 16. Thus a pocket is formed, there being an opening 19 in the front of said pocket, such pocket being generally designated 22.

The manner of folding the material shown in Figure 1 to obtain such a pocket as is here described is best illustrated in Figure 4 to which reference will be had later.

Figure 2 illustrates a sheet of foil material 30 having an extension portion 31, the two sections being integral. For convenience of description, an imaginary divisional line 32, in dots, is shown. The portion 30 corresponds with section 10 and in the assembled article extends approximately to the right-hand thereof in Figure 1, but does not extend to the left-hand thereof. Normally it reaches to approximately one half inch from the left-hand edge of section 10. As it is not desirable to have metal or metallic foil come into direct contact with the scalp,

there is the amount of clearance for the casing indicated at the left-hand end thereof and over which the foil sheet does not extend.

The foil which is employed may be plain foil or a backed foil. When backed, it may have a paper backing. Preferably a backing is employed, for this diminishes the amount of metal present and reduces the danger of damage thereto without disturbing the other characteristics which make the foil desirable for use in hair sachet.

In assembling the device, the extension 31 is inserted into pocket 22 with the metal surface, when a backed foil is used, uppermost. When there is a backing upon the foil, such paper backing upon portion 30 will come directly in contact with the inner surface of portion 10 of the casing, and the paper backing on section 31 will come into contact with the inner surface of portion 16 of the envelope.

When so inserted and disposed, the casing is folded along the line 11, so that member 12 comes in surface contact with section 30 of the foil, leaving at the right-hand side of member 12, a portion of foil generally one-half to one inch in length, exposed and uncovered. The flap 14 is inserted into the envelope 22, as previously stated, whereby the back 16 of the pocket 22 is reinforced with the impervious foil section 31 and also by the paper section 14 thereover.

Reference will now be had to Figure 3. This shows a pad of absorbent material upon which a solution used for softening and/or curling the hair is spread. Such solution may be of any of the usual ingredients now employed or any which may be discovered in the future. It generally comprises a highly absorbent material in pad form enclosed within a harder material, such harder material comprising a cloth like that employed for bandages or surgical gauze. The core or interior portion of the pad is generally a soft felt. Any other absorbent pad may be employed without departing from the spirit of the invention. The entire pad is designated 40, and it is adapted to be inserted into and is inserted into pocket 22 in assembling the device, the back of the pad 40 resting upon the back surface of the section 32 of the foil sheet, the front portion of such pad 40 being almost entirely exposed through the window 19.

For holding the pad 40 within the envelope and for holding the foil extension 31 also therein, a single stitching or a staple shown in Figure 5, as 41, is all that is necessary, for the foil is firmly held against such displacement by the structure of the casing, although subject to relatively slight movements within the casing. Thus the assembly of the article is made permanent by a single fastening member of any suitable

character 41, placed as is shown in Figure 5.

Preliminary to use, the pad 40 may be charged in any of the usual manners. It may be dipped into the solution which is to be used thereon, or such solution may be made to impregnate such pad by the use of a pipette, measuring device, or any other selected instrumentality whereby such solution is transferred from its container to the pad 40. As it is now recognized that a definite quantity of a solution of any fixed type should be employed for each curl, it is quite usual to pour a measured quantity of the selected solution upon a pad 40. In the finished device, there is exposed a section of foil several inches in breadth and approximately one inch in length and having the casing at one side only thereof. At the opposite end of the device, there are two thicknesses of the casing material between which the foil does not extend. As pointed out above, this latter is done purposely to prevent the metallic portion of the wrapper coming in direct contact with the scalp. The purpose of the former will now be made to appear.

The article, after the pad 40 therein has been moistened, is wrapped about a lock of hair which is twisted upon a suitable curling rod or iron, the part of the sachet comprising two thicknesses of paper section being adjacent to the scalp, the pad portion 40 being the first portion to be wrapped about the hair. When the entire sachet is wrapped around the curled lock of hair and the curling rod or iron about which the hair is twisted is covered, the right-hand end of the sachet, Figure 5, is twisted or crimped about said or beyond said rod, there being sufficient metallic body in the sheet of foil to insure such sachet, when so crimped, being permanently held about the lock of curled hair until the proper time for its removal after the heat of the hair curling machine has been applied thereto.

Such a pad as is here illustrated provides an impervious section through which the moisture from the pad 40, even when converted to steam, cannot readily escape to the outside atmosphere, thus insuring the full benefit of the moisture contained therein for steaming and curling the hair and the entire effect of the chemical ingredients employed thereon for the treatment or softening the hair.

It makes certain also that the hair will receive the full benefit of the moisture contained in such pad during the heating of the hair by the electric heating member generally employed about the sachet after it has been applied to the hair. Thus the full effect of all the moisture which is contained in pad 40, as well as the chemical ingredients thereof, is transferred to the strand of hair contained in a sachet whereby high efficiency and effective results are obtainable. Its use

eliminates the guess-work of the hair curling operation, and permits the unskilled to obtain the same satisfactory results that have heretofore been obtained only by those experienced and fully versed in the art.

As presented, the device comprises three sections, each adapted to be produced separately in a machine, there being a relatively simple assembly therebetween. One fastening number is all that is required to maintain the three parts in their assembled relation, thus, the cost of production and assembly is very much reduced. When desired, the envelope section 22 may be made separately, and attached in any suitable manner to body 10.

I claim:

1. A hair-waving sachet comprising a casing having a pad projecting to one side thereof, and an integral sheet of foil extending across said casing for the backing of said pad.

2. A hair-waving sachet comprising a casing, an absorbent pad projecting from one side thereof, and a sheet of foil extending across said casing and providing a backing for said pad.

3. The combination with a hair-waving sachet having a pocket projecting from one side thereof, of a sheet of foil extending across said casing and providing a backing for said pocket.

4. A hair-waving sachet comprising a sheet folded to form a body section and a depending envelope, a pad in said envelope, and a lining sheet in said body section and extending into said envelope.

5. A hair-waving sachet comprising a sheet of suitable material folded to provide a casing, said sheet being additionally folded to form a pocket, and a lining sheet adapted to be inserted into said casing and extend into said pocket.

6. A hair-waving sachet comprising three elements, a sheet of material adapted to form an enclosure for a lining sheet and having a pocket at one side thereof, a pad in said pocket, and a lining sheet in said enclosure and extending into said pocket in back of said pad.

7. A sachet for hair-waving comprising a sheet of material cut to form a blank and folded to provide at one side thereof a pocket, a liner having an extension portion adapted to be inserted into said pocket, the material of said casing being adapted to fold over the main portion of said foil to provide an enclosing covering at one side thereof, and a pad in said pocket and disposed upon said foil.

8. A satchet for hair-waving comprising a sheet of material cut to form a blank folded to provide at one side thereof a pocket, a sheet of foil having an extension portion inserted into said pocket, the mate-

rial of said casing being adapted to fold over the body of said foil to leave an exposed surface at one side thereof, and a pad in said pocket.

5 9. A sachet for hair-waving comprising at one side a pocket, a sheet of foil having an extension portion adapted to be inserted into said pocket, the material of said sachet being associated with said foil to extend beyond one end thereof and leave exposed the other end, and a pad in said pocket.

10 10. A sachet for hair-waving comprising a casing of two thicknesses of sheet material having extensions, there being an envelope
15 formed upon one of said extensions, said other extension being adapted to be inserted into said envelope, and a foil sheet having a body adapted to be disposed between said thicknesses of casing and an extension portion adapted to extend into said envelope.

20 11. A sachet for hair-waving comprising a casing of several thicknesses of sheet material, an envelope depending from one of said thicknesses, another of said thicknesses having an extension adapted to be inserted into said envelope, and a liner for said casing and for said envelope.

25 12. A sachet for hair-waving operation comprising a casing of several thicknesses of sheet material, an envelope depending from said casing, and a lining sheet for said casing inserted between thicknesses of said casing and extending into said envelope.

30 13. A sachet for hair-waving purposes comprising a sheet of material cut and folded to provide at one end thereof a pocket and at the other end an extension adapted to be inserted into said pocket, a sheet of foil forming a lining for said casing and having
40 a depending section projecting into said pocket, and a pad in said envelope.

45 14. A sachet for hair-waving purposes comprising a sheet of material cut and folded to provide at one side thereof a pocket and at the other end an extension adapted to be inserted into said pocket, a liner for said casing and having a depending section projecting into said pocket beneath said flap, and a pad in said envelope.

50 15. A sachet for hair-waving purposes comprising a plurality of sheets of material, one of said sheets having an opening therein, a lining sheet of impervious material between said sheets, and a pad between said
55 sheets and extending across said opening.

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