

May 24, 1949.

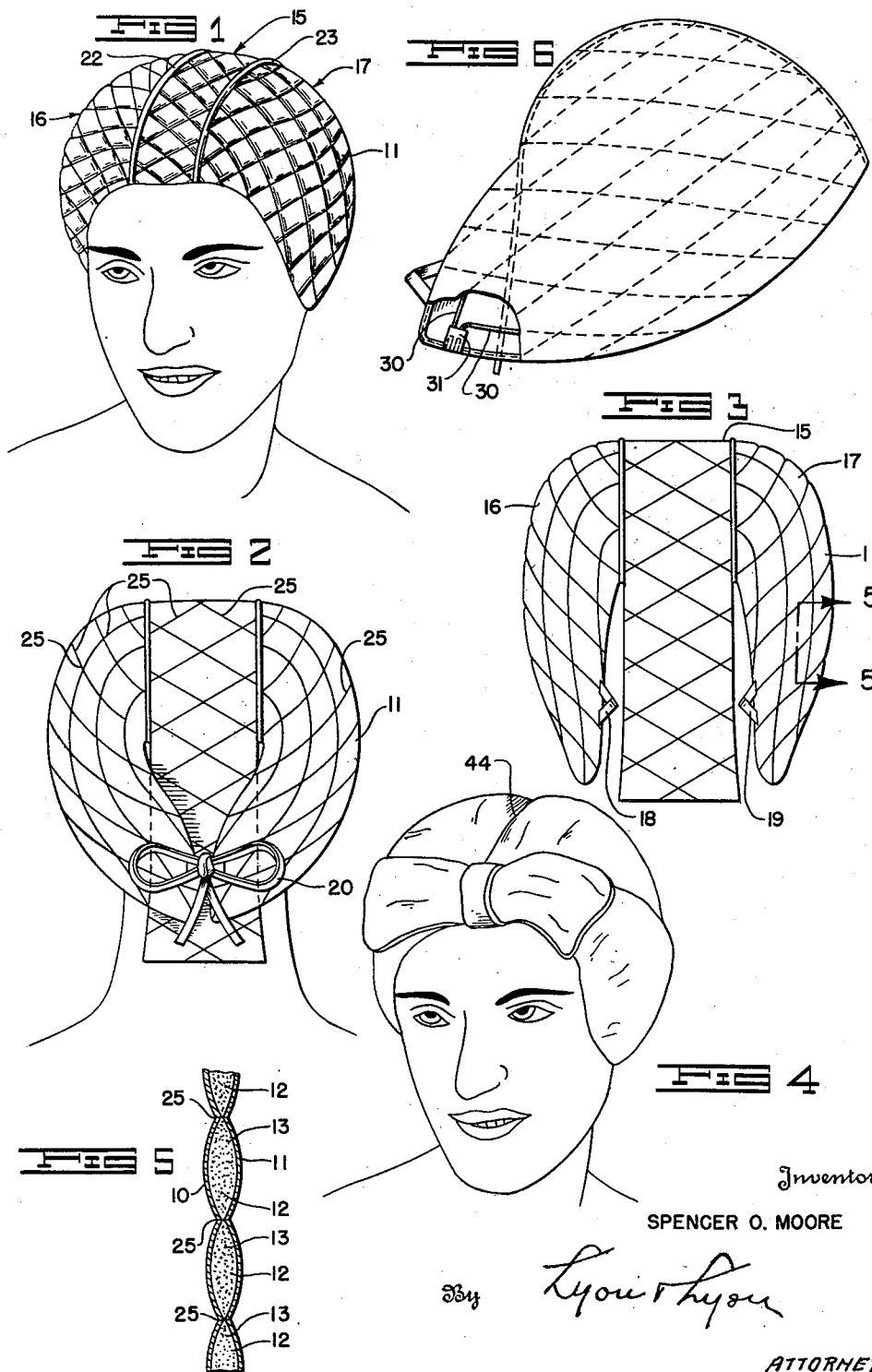
S. O. MOORE

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HAIR DRIER

Filed Jan. 5, 1948

2 Sheets-Sheet 1



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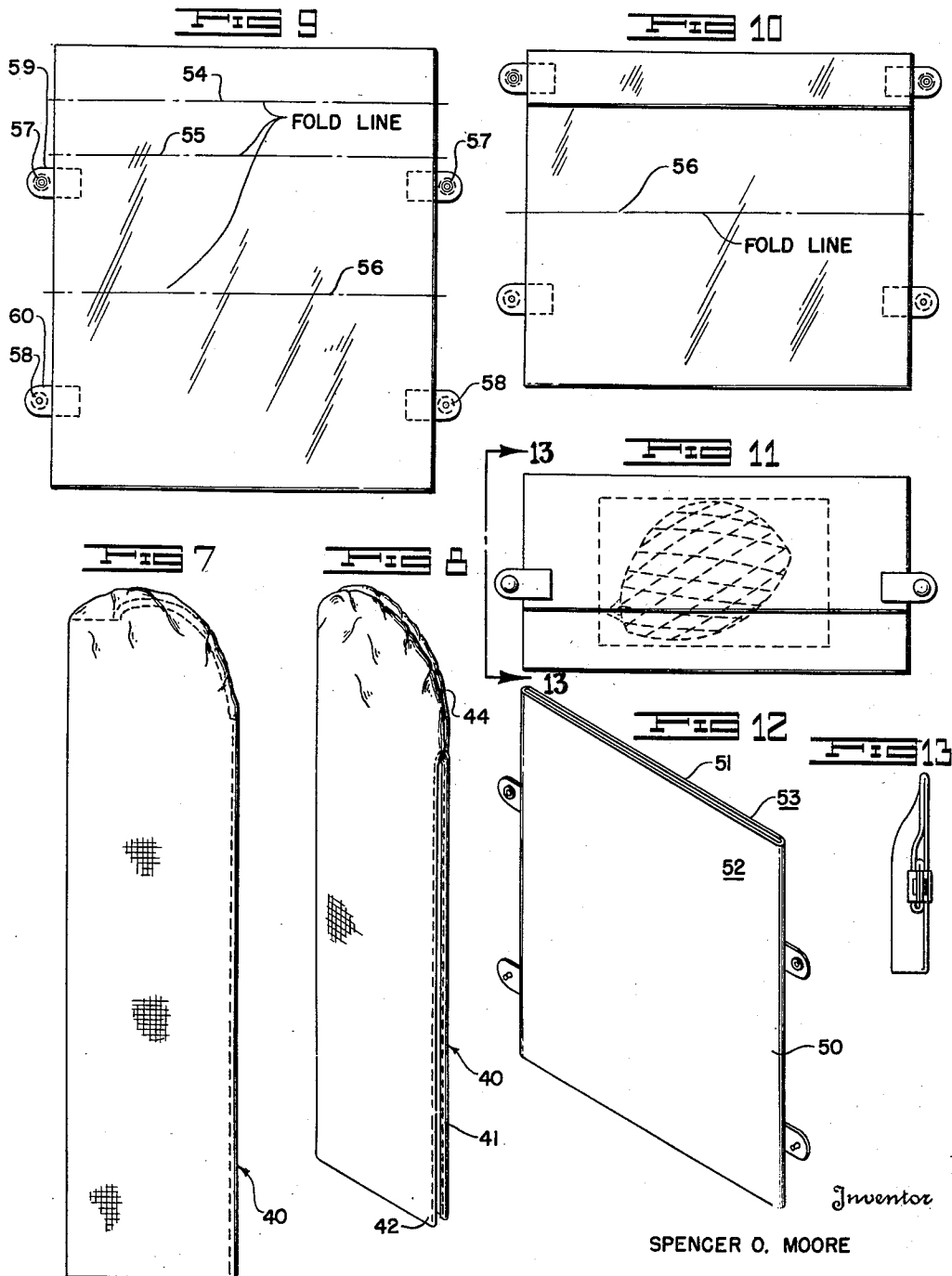
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HAIR DRIER

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2 Claims. (Cl. 34-95)

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The present invention relates to improved apparatus useful in drying hair, a novel package for said apparatus, and a decorative covering for such apparatus when mounted in operative position on the head of a person.

Usually, present day hair drying apparatus incorporates means whereby heated air is circulated past the hair for drying the same. This type of apparatus is somewhat costly and the person is required to remain seated in a fixed position for a long period of time during which she may be subjected to discomforting effects.

An object of the present invention is to provide improved hair drying apparatus characterized by its simplicity, inexpensiveness and the efficient manner in which it dries hair without discomforting effects.

Another object of the present invention is to provide improved hair drying apparatus which is relatively simple and yet highly efficient in its operation and does not require the use of any heating means or moving air.

Still another object of the present invention is to provide an improved hair drying arrangement which when in use on a person's head does not impair her mobility so that, for example, she may attend to her household chores while her hair is being dried, a subsidiary feature of the present invention being that the apparatus is readily adaptable for covering by a decorative head piece to allow the person to go outdoors and, for example, do some shopping, without being conspicuous.

Still another object of the present invention is to provide an improved hair drying apparatus which is useful alike both in public beauty parlors and in the home and which may be made rather compact for convenient carrying and storage.

Still a further object of the present invention is to provide an improved hair drying apparatus comprising fabric material having disposed therein water absorbing material such as silica gel, the silica gel being capable of reactivation after use by heat from an electrical heating cord also disposed in the fabric material closely adjacent the silica gel.

Yet another object of the present invention is to provide an improved sealed package which aids considerably in the sale of such hair drying apparatus and which may be subsequently used by the purchaser in maintaining the apparatus wherein it is prevented from absorbing moisture from the air.

The features of the present invention which are

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believed to be novel are set forth with particularity in the appended claims. This invention itself, both as to its organization and manner of operation, together with further objects and advantages thereof, may be best understood by reference to the following description taken in connection with the accompanying drawings in which:

Figure 1 shows a hair drying arrangement embodying the present invention on the head of a user.

Figure 2 is a view showing the back of the person's head in Figure 1 with the hair drying arrangement tied to snugly engage the head in accordance with features of the present invention.

Figure 3 is a view of the hair drying arrangement similar to the view shown in Figure 2 but with the two bottom flaps untied.

Figure 4 is a view similar to the view shown in Figure 1 but with a scarf-like member shown in Figures 7 and 8 covering the hair drying arrangement, the ends of the scarf-like member being wound about the outside of the hair drying apparatus.

Figure 5 is a sectional view through a wall of the hair drying arrangement taken substantially on the line 5-5 of Figure 3.

Figure 6 shows a modified hair drying apparatus embodying the present invention constructed exactly as shown in Figures 1, 2, 3 and 5 but with the addition of an electrical heating cord or element disposed between the walls of the apparatus for quickly reactivating the water absorbing material also disposed between the walls.

Figures 7 and 8 are views respectively in side elevation and in perspective of a scarf-like member in its extended position which may be folded to assume the general appearance shown in Figure 4.

Figure 9 is a view in front elevation of an improved package within which the hair drying arrangement and scarf-like member may be normally disposed.

Figure 10 is a view of the package similar to the view shown in Figure 9 but with the top of the package folded along the two fold lines indicated in Figure 9, the package in Figure 10 thus being partially closed.

Figure 11 is a view similar to the view shown in Figure 10 but with the cooperating fastening elements in engaging position after the package is folded along the fold line indicated in Figure 10.

Figure 12 is a perspective view of the package

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When unfolded to assume the position shown in Figure 9.

Figure 13 is a view in end elevation of the package shown in Figure 11 with the hair drying and scarf-like member of Figures 7 and 8 included therein.

The hair drying apparatus shown in Figures 1, 2 and 3 comprise a double wall cloth, cotton or fabric headpiece or hook-like member quilted by stitching the opposite walls 10, 11 to form sealed pockets or chambers 12 within each of which is disposed some water or moisture absorbing material 13 such as silica gel. This absorbing material may be silica gel, especially treated clays, ground corn cob meal resembling sawdust, charcoal or different mixtures of the same.

However, I prefer to use a mixture of silica gel and ground corn cob meal having a total weight of approximately three-quarters of a pound.

The double walls 10, 11 between which the water absorbing material 13 is contained may be glass cloth, cotton or fabric treated against scorching in conventional manner. Although either one of these three materials may be used, I prefer to use, for purposes of economy flexibility, portability and storage, a fabric especially treated against scorching.

Although the cloth or fabric 10, 11 may be sewn in many different manners to form-fit the head, I prefer to use essentially three component parts, namely: a rectangularly shaped double wall centerpiece 15 which extends from the center of the forehead around and over the head to the back of the neck, and a pair of double-wall side flap members 16, 17 each arranged to extend downwardly from the edge of the center piece 15 to which it is stitched and to cover a corresponding one of the wearer's ears. Each one of the side flap members 16, 17 has a corresponding loop 18, 19 stitched thereon for the convenient passage therethrough of a flexible bow 20 for drawing the two end flap members 16, 17 together to thereby snugly embrace and form-fit the wearer's head.

The side flap members 16, 17 are stitched along the line 22 and 23 respectively to the center piece 15 and are each quilted to form individual pockets 12 of the type shown in Figure 5 by cross stitching 25 along mutually perpendicular lines. In like manner, the center piece 15 may be stitched by cross stitching 26 along mutually perpendicular lines to form pockets (the same as pockets 12) within which there is likewise disposed a water absorbing material.

Thus, in operation, when a person desires to dry her hair after washing the same, she wears the cap or hood-like member in the manner indicated in Figures 1 and 2 for a period of approximately forty-five minutes, or under some conditions, somewhat longer during which time the moisture in the hair passes through the inner wall 10 into the water absorbing material 13 where it accumulates. After this time, the hair drying apparatus hood-like member may be removed from the wearer's head and may thereafter be subjected to heat for the purpose of reactivating or removing the water or moisture originally absorbed in the material; and, for this purpose the hair drying apparatus or hood member may be placed in an oven for approximately one hour in which the temperature during that time is in the order of 250° F.

Heat may be applied to the water absorbing material by other means to reactivate the same.

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for example, as shown in Figure 6, there is stitched in a circuitous path between the double walls of the hood member, an electrical heating cord 30 whose opposite ends terminate at terminals of a small female type of electrical connector 31 mounted at the bottom and rear corner of one of the side flap members 16, 17. Thus, when it is desired to reactivate the water absorbing material in the hood member shown in Figure 6, the connector 31 may be connected to a convenient household electrical current supply outlet. While heating current traverses the electrical cord 30, the hood member, of course, is not worn by a user.

The combination cap and scarf-like member 40 shown in elevation and perspective respectively in Figures 7 and 8 are mounted in position in Figure 4, may take different forms and shapes but the one shown herein is preferred, to impart a decorative outward appearance to the hood member. This combination cap and scarf-like member 40 comprises essentially two rectangular pieces of decorative cloth 41, 42, each having one of their ends of arcuate shape to fit the contour of the hook-like member with each rounded end stitched together along their adjacent edges and along the arcuate line 44 to form a cap-like member for the hood member with the free ends of cloth 41, 42 free to tie about the hood member like a scarf to form a turban.

It is desirable, from a sales standpoint and from a use standpoint, to normally maintain the hood member sealed against the atmosphere to thereby prevent the absorption of moisture into the water absorbing material from the atmosphere. This is preferably accomplished by the use of a package comprising a rectangularly shaped flat bag 50 of transparent plastic material such as polyethylene with the mouth portion 51 defining the opening of the bag. The novel manner in which the opening of this bag is sealed is of importance and is one of the features of the present invention. The walls 52, 53 defining such opening are folded successively as a unit along the fold line 54 and the fold line 55 in that order to assume the position shown in Fig. 10, after which the bag is folded along the fold line 56 to move the cooperating complementary fastening elements 57, 58 into engagement. For simplicity, these cooperating fastening elements 57, 58 may be of the snap fastener type with one of the complementary parts 57 being disposed below the fold line 55 and the other one of the complementary parts 58 being disposed below the fold line 56. For simplicity and economy of construction, these complementary snap fastener elements 57, 58 are originally mounted on corresponding short tabs 59, 60 and are then cemented or glued to the bag.

While the particular embodiments of the present invention have been shown and described, it will be obvious to those skilled in the art that changes and modifications may be made without departing from this invention in its broader aspects and, therefore, the aim in the appended claims is to cover all such changes and modifications as fall within the true spirit and scope of this invention.

I claim:

1. A hair dryer comprising a hood-like member having a centrally disposed double wall strip arranged to extend from the forehead of the wearer to the back of her neck and a pair of double wall side flap members each joined to said rectangular strip, the double walls of said flap members and said rectangular strip each being stitched

to form a plurality of closed chambers therebetween, moisture absorbing material disposed within each one of said chambers, fastening means disposed on each one of the flap members at the back thereof for joining such flap members together to at least partially overlap the central double wall strip.

2. A hair dryer comprising a form fitting member with spaced walls stitched to form a plurality of closed chambers between them, moisture absorbing material disposed within each one of said chambers, said member having a pair of side flap members with fastening means disposed on each to draw such flap members into close proximity to one another whereby the member may be form fitted to the head of the user with the inner walls of such flap members in direct contact with the hair so as to serve as a wick-like member for conveying moisture from the hair to the moisture absorbing material.

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