Jan. 16, 1934. C. E. BLOMQUIST 1,943,579

HAIR DRYING HELMET

Filed July 25, 1932

Fig. 1.

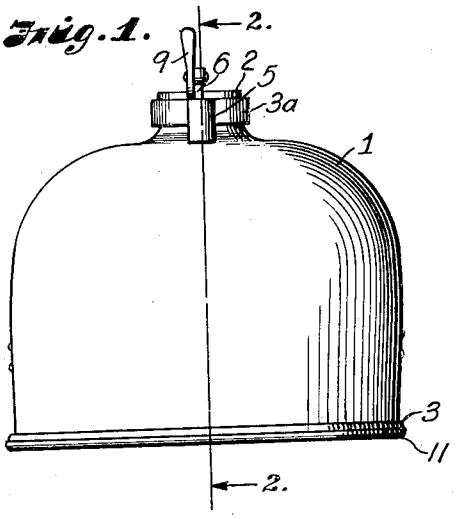


Fig. 2.

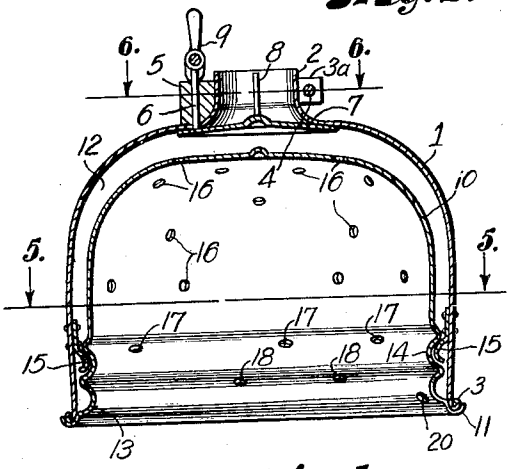


Fig. 3.

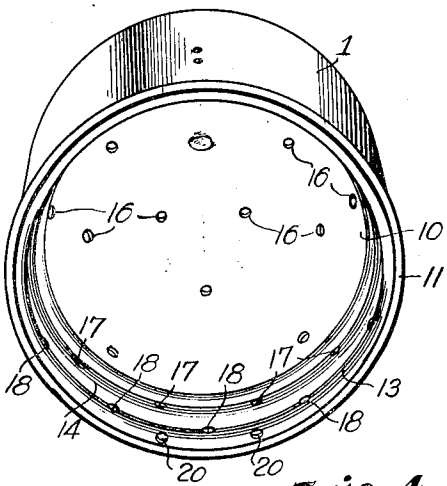


Fig. 4.

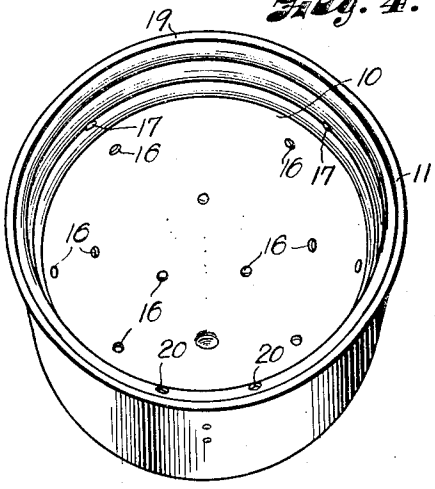


Fig. 5.

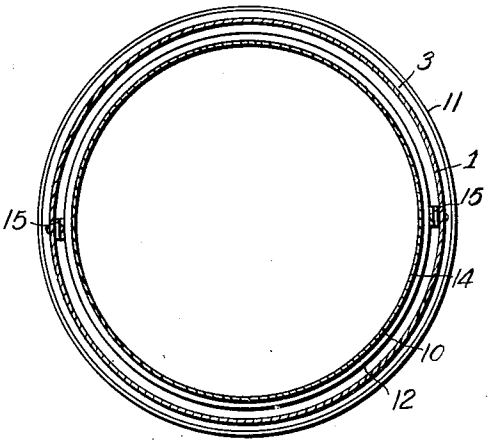
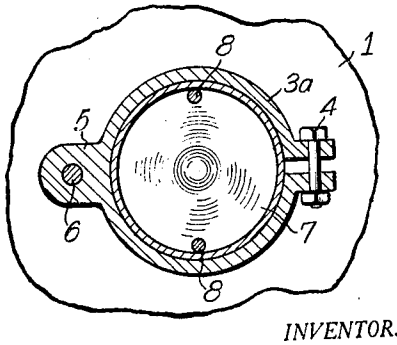


Fig. 6.



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1,943,579

HAIR DRYING HELMET

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Application July 25, 1932. Serial No. 624,454

5 Claims. (Cl. 34—26)

My invention relates to a hair drying helmet adapted to be used in beauty parlors or in the home for drying the hair by means of warm or heated air.

In the hair drying helmets of the prior art, a manifold is formed by means of spaced, dish shaped members in telescoped, spaced relation. The inner member is perforated and these perforations are adapted to distribute air at angles normal to the curvature of the helmet. Air is turned on and off by operators or attendants. The two members which form the manifold are secured in permanent relationship. Very frequently hair, dust, and foreign matter will accumulate in the manifold and tend to clog up the holes.

One object of my invention is to provide a hair drying helmet having a novel construction for distributing the air.

Another object of my invention is to provide a hair drying helmet construction enabling the user to control the air herself.

A further object of my invention is to provide a hair drying construction enabling the ready removal of the inner member to permit of cleaning.

Further objects of my invention will appear from the following description.

In the accompanying drawing which forms part of the instant specification and is to be read in conjunction therewith and in which like reference numerals are used to indicate like parts in the various views:

Figure 1 shows a side elevation of a hair drying helmet embodying one mode of carrying out my invention.

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

Figure 3 is a perspective view looking at the rear end of the interior of my helmet.

Figure 4 is a perspective view of my helmet looking at the front interior of my helmet.

Figure 5 is a sectional view taken on the line 5—5 of Figure 2.

Figure 6 is a fragmentary sectional view taken on the line 6—6 of Figure 2.

In general my invention consists of a hair drying helmet having an outer substantial hemispherical helmet member provided with means for attachment to a warm air supply of any suitable nature. The upper portion of the helmet is provided with a valve member having operating means positioned on the helmet for opening and closing the valve to control the supply of air. Telescoped within the outer helmet portion is an inner dish shaped member which when in position forms a manifold due to its spaced relation with respect to the outside member. The inner member is provided with a plurality of concamerated or re-entrant portions which project into the interior of the helmet. Spring clips are secured to the outer member for coaction with the concamerations to secure the inner member in place. A plurality of holes is provided at suitably spaced points throughout the inner member to permit the air to pass from the manifold formed by the outer and inner members. The upper portions of the concamerations are provided with a plurality of spaced holes to direct the air upwardly so that when the helmet is in hair drying position, these particular openings will be below the hair line of the scalp, resulting in upwardly directed jets of air which tend to blow the hair away from the scalp in an upward direction to facilitate drying. The lower portion of the lower concameration is provided with holes at the rear of the helmet so that there will be several downwardly directed streams of air at the back of the neck to facilitate drying at this portion of the scalp.

More particularly referring now to the drawing, outer helmet 1 which may be of any suitable shape, terminates at its upper portion in a short, pipe-like terminal 2 and at its lower periphery in a beaded portion 3. Around pipe-like portion 2 extends a split collar 3ª having a bolt 4 or any other suitable means for exerting a clamping action. The inlet supply of air is clamped to inlet pipe 2 by means of split collar 3ª. Integral with the split collar 3ª is a projecting portion 5 through which a valve stem 6 is slidably mounted. This valve stem is secured to a valve 7 which is provided with centering pins 8. The upper end of the valve stem terminates in any suitable operating means such as eccentric cam lever 9. It will be obvious that manipulation of the lever 9 will raise and lower the valve 7 to control the air supply. Telescoped within the outer member 1 is an inner dish shaped member 10, the lower end of which terminates in a hemispherical groove 11 adapted to seat upon the bead 3. When the inner member 10 is seated in position with the groove 11 upon beaded portion 3, a manifold or air space 12 will be formed by the inner member 10 and the outer member 1, as can be readily seen by reference to Figure 2. The lower portion of the inner member 10 is provided with a plurality of concamerated portions 13 and 14. It is to be understood that, while I have shown two, any

suitable number of these re-entrant portions may be used. The upper concameration 14 is positioned slightly below the hair line of the scalp when the helmet is in hair drying position upon the head of the user. Riveted or secured in any suitable manner to the outer member 1 are a plurality of spring clips 15 adapted to coact with one of the concamerated portions 14 to hold the inner member 10 in operative position. It will be appreciated that the inner member 10 is thus made readily removable from the outer member 1. Frequently, after the helmet has been in use for a while, hair, dust, and foreign matter will accumulate in the air manifold 12. The removal of the inner member will permit the ready cleaning of the air manifold. Distributed throughout the inner member 10 are a plurality of openings 16 which permit the air from the manifold to enter the space defined by the helmet in a plurality of jets. It is to be understood, of course, that the inlet pipe 2 is secured to a suitable source of warm air. These air jets blow against the hair and dry it. Along the upper surface of the concamerations, I provide a plurality of openings 17 and 18. These openings are directed upwardly and inasmuch as they are at or below the hair line, will tend to blow the hair away from the scalp to permit a more rapid drying of the hair. These holes 17 and 18 are positioned throughout the side and rear part of the head, upwardly directed holes being omitted in the region of the face. This can be seen by reference to Figure 4 in which it will be noticed that there are no perforations in the concamerated portions at the front part 19 of the helmet. At the rear of the helmet in the region of that portion thereof which would be in position at the nape of the neck, I provide downwardly directed openings 20 to direct air jets at the back of the neck to assist in the ready drying of this portion of the hair. This can be readily seen by reference to Figure 3 in which the holes 20 are shown at the rear of the helmet.

It will be appreciated that I have accomplished the objects of my invention. I have provided a hair drying helmet of simple construction having holes distributed in a novel manner enabling the rapid drying of the hair. Due to the concamerations and the holes positioned at selected points therein, I am enabled to obtain downwardly directed jets which will permit the hair to be blown outwardly from the scalp, enhancing the drying effect. The construction whereby the inner member is readily removable from the outer member permits the cleaning of the air manifold. The positioning of the air controlling valve in the helmet in such a position that the user may control the air, enables the helmet to be used without the constant attendance of a third person or operator.

It will be understood that certain features and sub-combinations are of utility and may be employed without reference to other features and sub-combinations. This is contemplated by and is within the scope of my claims. It is further obvious that various changes may be made in details within the scope of my claims without departing from the spirit of my invention. It is, therefore, to be understood that my invention is not to be limited to the specific details shown and described.

Having thus described my invention, what I claim is:

1. A hair drying helmet comprising an outer member, an inner member telescoped therein in spaced relationship thereto and forming an air manifold therewith, spring clips carried by said outer member, said clips frictionally engaging said inner member and adapted to removably hold the same in position, said inner member being provided with spaced perforations for permitting air to escape from the manifold into the interior of the space defined by said inner member and an air inlet means to said manifold.

2. A hair drying helmet comprising in combination an outer member, an inner member telescoped therein in spaced relationship thereto and forming an air manifold therewith, resilient means for frictionally holding said members in telescoped position, said inner member being provided with spaced perforations for permitting air to escape from the manifold into the interior of the space defined by said inner member and an air inlet means to said manifold.

3. A hair drying helmet comprising in combination an outer member, an inner member having a lower edge and telescoped therein in spaced relation thereto and forming an air manifold therewith, a concameration formed near the lower edge of said inner member, said inner member having a plurality of spaced perforations distributed thereover, several of said perforations being located on said concameration on the inner slope thereof whereby air from said manifold is adapted to be projected upwardly into the interior of the helmet, and an air inlet to said manifold.

4. A hair drying helmet comprising in combination an outer member, an inner perforated member having a lower edge and telescoped therein in spaced relation thereto and forming an air manifold therewith, said inner member being formed with a plurality of reentrant portions near the lower edge thereof, said reentrant portions being provided with a plurality of perforations on the inner slope thereof whereby air from said manifold is adapted to be directed upwardly, and an air inlet to said manifold.

5. A hair drying helmet comprising in combination an outer member, an inner perforated member having a lower edge and removably telescoped therein in spaced relation thereto and forming an air manifold therewith, resilient means for frictionally holding said members in telescoped position, said inner member being provided with a concamerated portion formed near the lower edge thereof, perforations on the inner slope of said concamerated portion whereby air from said manifold is adapted to be directed upwardly, an inlet to said manifold, a valve for controlling said inlet and means carried by the helmet for operating said valve.

CHARLES E. BLOMQUIST.