

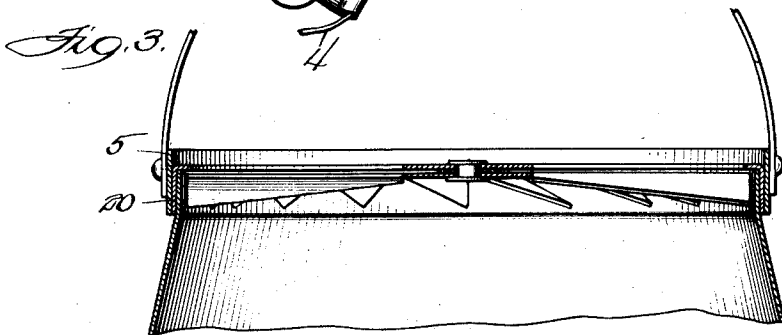
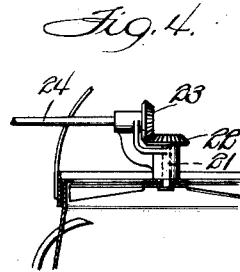
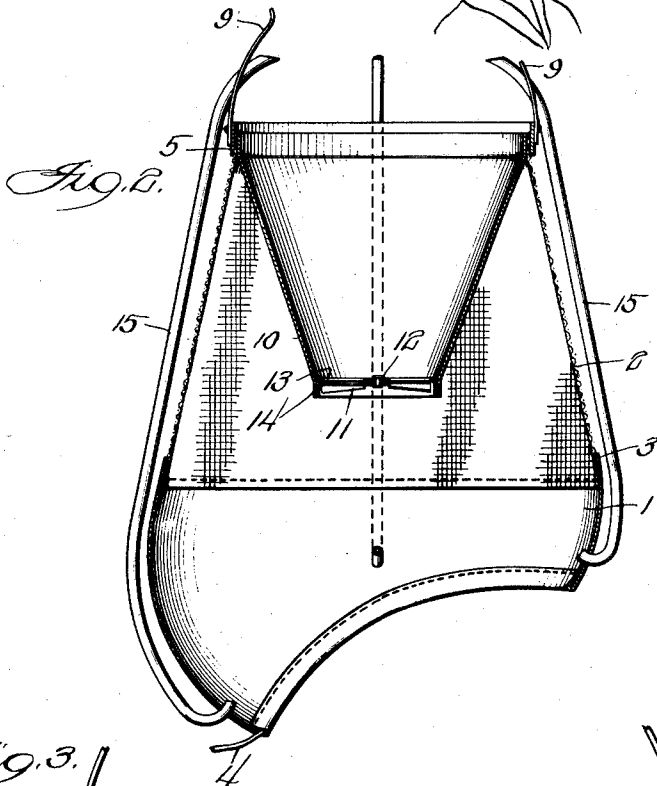
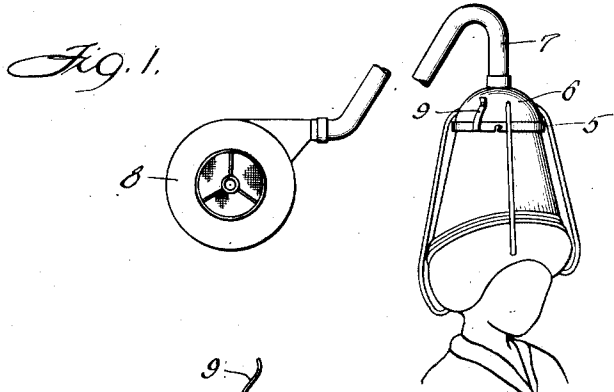
Jan. 19, 1926.

1,570,045

F. COUNE

HAIR DRYING APPARATUS

Filed May 7, 1925



Witness:
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Patented Jan. 19, 1926.

1,570,045

UNITED STATES PATENT OFFICE.

FELIX COUNE, OF CHICAGO, ILLINOIS.

HAIR-DRYING APPARATUS.

Application filed May 7, 1925. Serial No. 23,563.

To all whom it may concern:

Be it known that I, FELIX COUNE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Hair-Drying Apparatus, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawing, forming a part of this specification.

This invention relates to hair drying apparatus.

The principal object of the invention is to improve upon the device shown in my United States Patent Number 1,543,423, issued June 23, 1925, by providing means for directing the warm air from a motor blower in definite paths against the hair, so as to facilitate drying of the hair by obtaining a more efficient circulation of the air.

Any source of warm air supply may be provided, and according to the teachings of this invention the air is brought through a conduit into a hood where it meets a revolving fan for directing this air towards the upper central portion of the scalp. Separate currents of air may be brought to the lower portions of the scalp, so that when these currents meet the air from the revolving fan, a forced circulation will be created to force the air upwardly and out of the hood, thereby efficiently drying the hair.

A further object of the invention is the provision of a device which is easily and quickly applied to the head of an individual.

A still further object of the invention is the provision of a device which is extremely simple in construction, cheap to manufacture, and easily applied and, with these and other objects in view, the invention resides in certain novel construction, combination and arrangement of the parts, the essential features of which are hereinafter fully described in the specification and pointed out in the appended claims and illustrated in the accompanying drawings, in which:

Figure 1 is a view in elevation of a device embodying my invention, illustrating the manner of attaching the same to the head of a person;

Figure 2 is an enlarged vertical sectional view of the device;

Fig. 3 is also an enlargement of a portion of the device illustrating an alternative form of the invention; and

Fig. 4 is a detail sectional view of a still further form of my invention.

The device in which I have chosen to illustrate my invention comprises a head fitting portion 1, made of soft or hard material, such as asbestos or canvas, of non-foraminous character, and a foraminous portion 2 adapted to be detachably secured to the head fitting member 1. Head fitting member 1 may be of such configuration as to be capable of readily fitting the scalp, the cross section thereof being preferably oval so as to encompass the entire head at a point slightly below the hair. The head fitting member 1 may extend upwardly at any suitable height above the hair, say, for instance, after it has been water-waved or held against the head or scalp. The part 2 may be of open net work, such as a fine screen, or of material provided with openings suitable to permit the escape of air therethrough. Lacing 3 is employed to interconnect this part to the head fitting portion 1. Inasmuch as the head fitting portion 1 encases the head and must be kept in a sanitary condition, it is advantageous to detachably connect the same to the part 2 in a manner illustrated in the drawing. The head fitting portion 1 may be disconnected and washed or otherwise disinfected, if so desired, each time the hood is used. In order to readily attach the hood to the head of the person, the lower edge of portion 1 is sewed over to accommodate an elastic or cotton tape 4 which may be used to pull this edge tightly about the head and temporarily hold it in place.

The upper end of the foraminous portion or part may be provided with a band 5, preferably circular in formation so as to slip over the lower edge of a semi-circular discharge end 6 of a hot air conduit 7. This conduit connects in a suitable manner to the blower 8. If so desired, the band 5 may be provided with spring clips 9, which function to hold the hood in position about the discharge end 6.

Within and adjacent the upper portion of part 2 of the hood is a depending sack 10, having a revolving fan 11 suitably carried at its lower end. Fan 11 may freely revolve about the central point 12, which comprises a rivet suitably fastened to a rigid frame 13. For permitting the frame to be easily secured to the lower end of sack 10, a flange 14 is provided thereon for snugly

fitting within the lower open end of sack 10. Sack 10 may be of any suitable material, but is preferably of a material which does not permit the escape of air coming from the blower 8 through the conduit 7. The upper end of sack 10 may be attached to the circular band 5.

It will be here observed that fan 11 is free to revolve. The warm air coming against it will cause the fan to rotate and direct the warm air against the upper portion of the head. I have found that the warm air coming from fan 11 is directed against the head in a straight line with considerable force and, as a consequence, this warm air tends to spread about the scalp and move downwardly.

As will be noted in Fig. 2, a plurality of separate pipes 15 extend downwardly about the outside of the hood and enter the head-fitting member 1 near the lower edge thereof. Pipes 15 serve to supply individual or separate jets of warm air against the head near the neck and forehead in a manner to cause the air to move upwardly and meet the warm air that comes from the revolving fan 11. This meeting of the currents of warm air tends to create a forced circulation and cause a positive upward movement of the warm air, thereby permitting its immediate escape through the foraminous portion 2. In this manner, the warm air passing through the hair and becoming saturated with moisture is not allowed to remain within the hood. This positive circulation of the air provides an efficient manner in which to rapidly dry hair.

The particular manner in which the fan 11 is supported within the hood may be varied if so desired. For instance, a ring 20 may be attached, as shown in Fig. 3, about the inner surface of the annular band 5 and to this ring 20 the fan 11 may be pivotally attached. As shown in Fig. 4, the fan 11 may be used to create the source of warm air supplied by having a shaft 21 extending upwardly, to which shaft a bevel gear 22 may be secured. Bevel gear 22 may then be meshed with a second bevel gear 23 carried on the end of a motor shaft 24.

With reference to the use of separate pipes 15 for supplying warm air to the lower portions of the head, I wish it to be understood that these pipes may be disposed within the hood, or may be located, with respect to the hood, in any other desired way. It will be seen that the pipe 15, located in front of the head, will be shorter than the pipe located in the back of the head. I find that it is possible to employ the pipes 15 in connection with the discharge end 6 as a frame-like structure for suitably carrying the hood. The pipes 15 may extend in the discharge end 6 or at any point

through the hood so as to lie directly above the revolving fan 11. On the other hand, these pipes may so enter the hood as to lie beneath the revolving fan for taking the air discharge therefrom instead of directly from the air coming through the conduit 7.

While the attachment herein shown is primarily intended for drying the hair for a water-wave, or the like, it is to be understood that the same may be used for various other purposes and that such changes, alterations and modifications as come within the scope of the claims may be resorted to when desired.

I claim:

1. An appliance for introducing a drying medium to the head in the process of drying hair comprising a head fitting member for fitting about the head, means at the upper end of said member adapted to be attached to a conduit supplying a source of drying medium, means within said member for directing a part of the drying medium downwardly against the upper central portion of the head, and additional means for directing the other part of said drying medium upwardly from the lower portion of the head, whereby, by the meeting of said hair drying medium, to create a forced circulation thereof about the head and upwardly out of said head fitting member.

2. Hair drying apparatus comprising a hood for fitting about the head, and a depending sack within said hood having a revolving fan at the lower end thereof for directing warm air against the head.

3. Hair drying apparatus comprising a hood for fitting about the head, and a revolving fan disposed within said hood for directing warm air against the head.

4. Hair drying apparatus comprising a hood for fitting about the head, a depending sack within said hood having a fan at the lower end thereof for directing the warm air against the upper portion of the head, and means entering the hood at a point to permit warm air to be also directed against the lower portion of the head.

5. Hair drying apparatus comprising a hood for fitting about the head, a revolving fan disposed substantially within the hood for directing warm air against the head, and separate pipes extending to a point near the lower end of said hood for directing separate jets of warm air against the hair adjacent the neck and forehead.

6. Hair drying apparatus comprising a hood for fitting about the head, a source of air supply, a revolving fan disposed within said hood for directing the air downwardly against the head, and means for directing separate jets of air upwardly against the head.

7. Hair drying apparatus comprising a hood for fitting about the head, a source of

air supply, a revolving fan disposed within said hood for directing the air downwardly against the head, and means entering the lower end of said hood for directing the air
5 upwardly against the head.

8. Hair drying apparatus comprising a hood for fitting about the head, a source of air supply, a revolving fan disposed within said hood for directing the air downwardly
10 against the head, and means entering the lower end of said hood for directing the air upwardly against the head, said means being independent of said fan.

9. Hair drying apparatus comprising a

hood for fitting about the head, a source of 15 air supply, means disposed within said hood for directing the air downwardly against the head, and means communicating with said source of air supply for directing the air upwardly against the lower portion 20 of the head.

10. A hair drying apparatus comprising a hood adapted to fit about the head, and means for supporting a rotatably mounted fan within said hood. 25

In witness whereof, I have hereunto subscribed my name.

FELIX COUNE.