Dec. 8, 1931. F. A. ROSE 1,835,337

HOOD DEFLECTOR FOR HAIR DRIERS

Filed June 23, 1930

FIG. 1

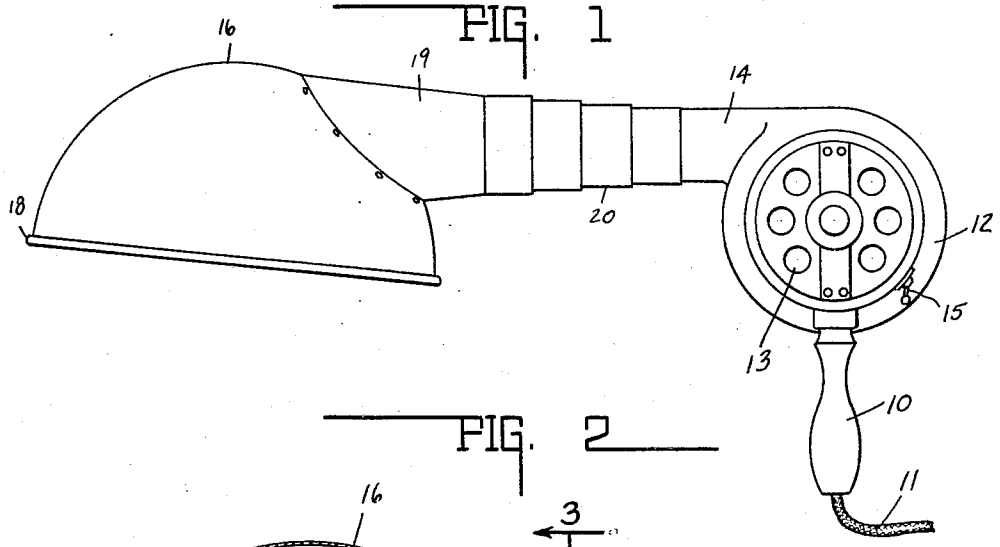


FIG. 2

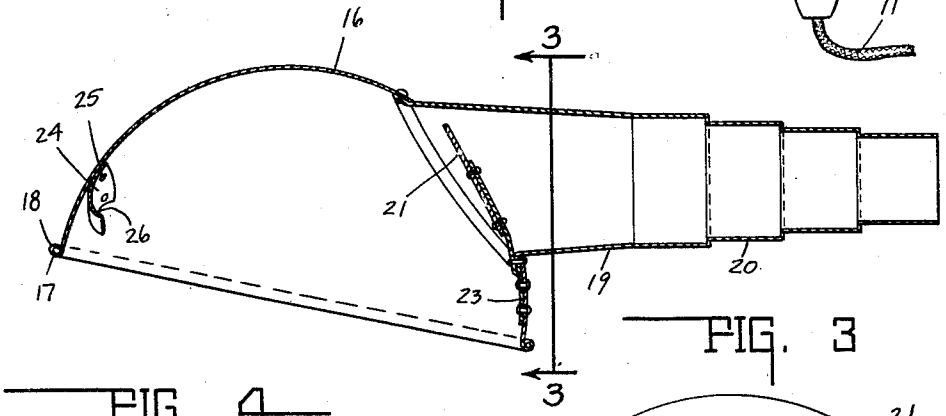


FIG. 3

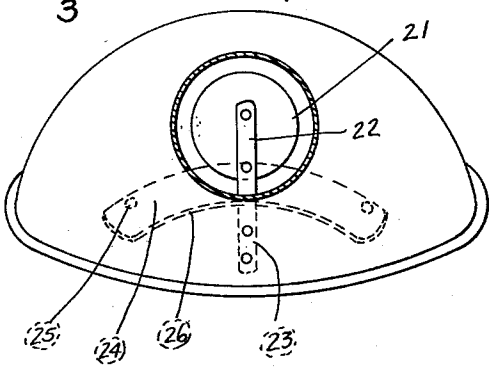
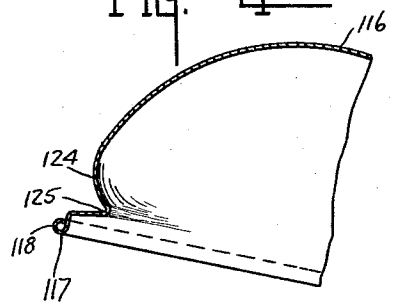


FIG. 4



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Patented Dec. 8, 1931 1,835,337

UNITED STATES PATENT OFFICE

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HOOD DEFLECTOR FOR HAIR DRIERS

Application filed June 23, 1930. Serial No. 463,042.

This invention relates to an attachment for so-called standard portable hair driers.

The chief object of this invention is to discharge the air from the drier and cause a circulation or swirling thereof about the head for drying the hair without the heat in the air being supplied unduly heating the head or scorching the scalp.

The chief feature of the invention consists in providing a deflector construction for a hair drier which causes the circulation of the air in such a manner that the blast indirectly engages the hair to be dried and does not directly impinge upon the scalp so that the possibility of scorching the scalp is substantially eliminated and quick and complete drying of all the hair upon the scalp is substantially accomplished.

One feature of the invention consists in forming the deflector construction of the open bowl type and associating therewith a dispersing baffle for distributing the incoming heated air into the bowl by dispersing the same and then deflecting a portion of the dispersed air rearwardly and outwardly for complete circulation.

The full nature of the invention will be more fully understood from the accompanying drawings and the following description and claims:

Fig. 1 is a side elevational view of an electrically heated portable hair drier with the deflector mounted thereon. Fig. 2 is an enlarged central sectional view through one form of the deflector. Fig. 3 is a transverse sectional view taken on the line 3—3 of Fig. 2 and in the direction of the arrows. Fig. 4 is a longitudinal sectional view through a portion of a modified form of the invention.

In the drawings 10 indicates a handle of a portable electric drier, the energy being supplied through a cable 11 and to a heating mechanism not shown. The casing 12 includes the air intake openings 13 and a discharge nozzle or outlet 14. Herein a switch 15 is shown mounted on the casing for controlling the mechanism incorporated in the drier which includes a combination motor and fan or blower and electric heating means, both being simultaneously operable if desired, for supplying heated air which is discharged through the outlet 14. The aforesaid is illustrative of one form of standard portable hair drier.

A bowl shaped body 16 is herein illustrated as substantially hemi-spherical and terminates in a circular rim 17 which is curled for reenforcement as at 18. Communicating transversely with said bowl is a tapering passage 19, the same being of increasingly reduced cross section as the sections recede from the bowl. The passage 19 is suitably secured to the bowl. The passage 19 is herein shown provided with a successive series of cylindrical portions 20, each of which is of decreasing cross sectional area so that the device may be universally employed with present standard hair driers by transversely severing, if necessary, the desired number of successively increased cylindrical portions until the desired cylindrical portion 20 just telescopically receives the outlet 14 of the hair drier.

Positioned adjacent the junction of the tapering passage 19 and the bowl body 16 is a dispersing baffle 21 which is shown as a circular disk supported by a strap 22, in turn supported by the bowl as at 23. As shown clearly in Fig. 3 the baffle, excepting for the supporting strap 22, block out the central portion of the passage and causes the air passing therethrough to pass around the same and thus be uniformly dispersed and distributed in its passage into the bowl.

Substantially opposite the dispersing baffle or deflector 21 is a deflecting portion 24 which may be suitably secured to the bowl as at 25. This deflector portion is arch-shaped as indicated at 26. The air which discharges across the top of the bowl travels downwardly toward the outer remote edge and encounters the baffle 24. Said baffle deflects the air rearwardly and outwardly and there is thus obtained a complete circulation of the air within the bowl which insures complete and uniform, as well as rapid drying of the hair exposed to the open mouth of the bowl.

In Fig. 4 there is illustrated a modified form of the invention wherein the bowl body

116 has formed therein the inwardly directed portion 124 which terminates in the edge or flange portion 125, the body being extended outwardly therefrom and terminating in the edge 117 defined by the rolled portion 118. The integral deflecting surface 124—125 accomplishes the same result as the deflector 24 of the previously described modification.

The invention claimed is:

1. A deflector hood including an air receiving passage, an open bowl body having a side opening communicating with said passage, a deflector positioned in the communication substantially at the body and passage junction for dispersing along the inner surface of the bowl the air received from the passage, and a deflecting portion secured to the bowl oppositely relative to the deflector and near the mouth of the bowl and directed downwardly toward the same and inwardly toward the center of the bowl for directing air rearwardly across and outwardly from the bowl mouth.

2. The combination with a standard portable air heating blower having an outlet, of a readily detachable deflector hood including an intake passage for ready attachment upon said blower outlet, said intake passage having sections of progressively increasing cross-sectional area for severance and rigid mounting of the deflector upon the portable air heating blower, said intake passage constituting the sole source of anchorage for the deflector hood, an open bowl body having a side opening communicating with said passage, a deflector positioned in the communication substantially at the body and passage junction for dispersing along the inner surface of the bowl the air received from the passage, and a deflecting portion within the bowl positioned oppositely relative to the deflector and near the mouth of the bowl and directed downwardly toward the same and inwardly toward the center of the bowl for directing air rearwardly across and outwardly from the bowl mouth.

In witness whereof, I have hereunto affixed my signature.

FRANK A. ROSE.