

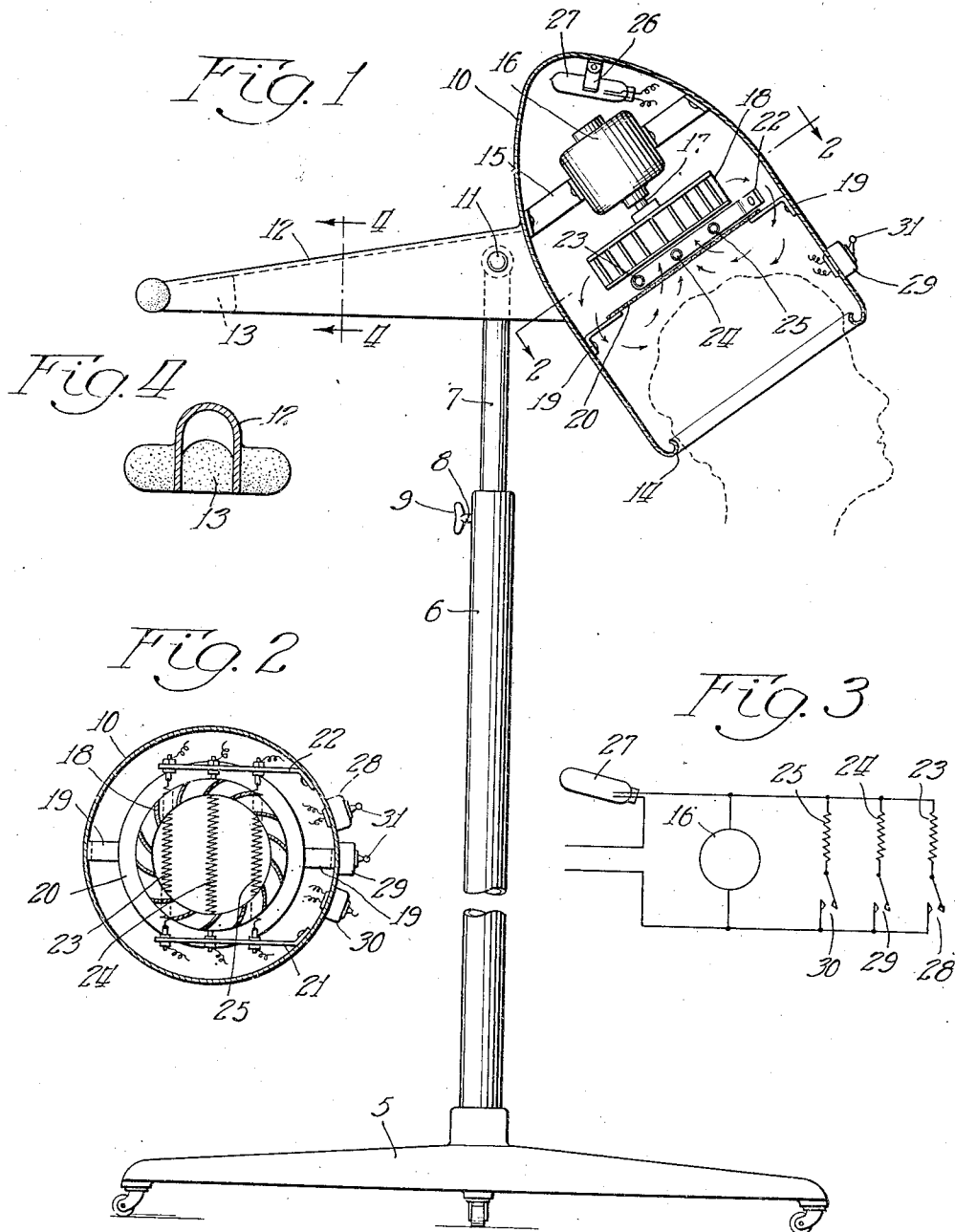
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HAIR DRYING APPARATUS

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HAIR DRYING APPARATUS

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This invention relates to hair drying apparatus such as is used in beauty parlors for the drying of human hair.

In devices of this character, the hair drying apparatus is usually mounted in a hood which in turn is movably mounted so that it can be adjusted up and down and angularly to be placed upon the head of the customer. Devices of this character have been made with the hood adjustable and with hand or customer controlled heating elements so that the customer may adjust the heating effect of the drier. However, such devices, as heretofore known, have necessitated the use of auxiliary cords or control lines which may lead to the customer's chair or be free so as to be placed in the customer's lap. Such devices are not satisfactory because of the loose cords lying around, and hence it is one purpose of the present invention to improve the control of such devices as hair drying hoods so that the customer may set the heating elements in the hood to any desired rate of heating.

I will describe the preferred form of my invention by reference to the accompanying drawing wherein—

Fig. 1 is a view in side elevation of a hair drier with the hood of the hair drier shown in section;

Fig. 2 is a sectional view taken through the hood substantially on the line 2—2 of Fig. 1;

Fig. 3 is a wiring diagram showing the electrical circuit for the fan and heating elements within the hood;

Fig. 4 is a sectional view substantially on the line 4—4 of Fig. 1.

Referring now in detail to the drawing, the present hair drier is mounted upon a base 5 having a standard 6 in which a hood carrying stem 7 is vertically adjustable, the stem 7 being secured in any desired position by a suitable locking means such as a set screw 8 having a wing head 9 thereon. A hood 10 is mounted on the stem 7 by means of a pivot pin 11. The hood 10 is provided with a horizontally extending arm 12 which is secured directly to the hood in any suitable manner and which is constructed of an inverted U-shaped metal strip as indicated by Fig. 4. The pivot point 11 is close to the hood in order that the angle of the hood 10 may be adjusted through a considerable range without much change in the elevation thereof. This also makes the hood easier to balance.

In order to balance the hood, the free end of the arm 12 is weighted by means of a heavy filler 13 which may be of lead so as to counterbalance the weight of the hood. The length of the arm

12 is preferably such that the weight 13 does not extend farther out from the stem 6 than the supporting base 5. This is done in order to insure stability and to prevent the device from readily tipping over.

As shown, the hood 10 is a sheet metal hood having an intumed rim 14 at its open end. Within the hood adjacent the top thereof, a bracket 15 is riveted or otherwise secured in place, and this bracket carries a fan motor 16. The fan 10 motor has a shaft 17 which carries a fan 18. The fan 18 is of the disk type which receives the air by drawing it in axially to its center and by discharging the same radially outward. Below the fan 18, a plurality of brackets 19 fixed to the 15 hood 10 support a screen 20 which prevents hairs from being drawn from the head of the customer into the fan 18. A heating unit is supported between the screen 20 and the fan 18. This heating unit comprises a pair of brackets 21 and 22 20 (see Fig. 2) which brackets carry three heating coils 23, 24, and 25. Thus the air as it is drawn from the head of the customer passes across the heating coils and to the fan 18 which discharges it radially outward so as to cause it to again be 25 circulated through the hair.

Referring now to Figs. 1 and 3, it will be noted that in the top of the hood 10 there is a bracket 26 which supports a mercury switch 27 that is adapted to turn off the current supplied to the 30 motor and heating coils when the hood is tipped back into inoperative position. This may, of course, be done readily by pressing down on the free end of the arm 12. In addition, as shown by Figs. 2 and 3, each heating coil 23, 24, and 25 is 35 individually controlled by a switch. The coil 23 is controlled by a switch 28. The coil 24 is controlled by a switch 29, and the coil 25 is controlled by a switch 30. These switches are ordinary snap switches having toggle handles such 40 as 31. The switches 28, 29, and 30 are so set that the handles 31 thereof are moved up and down, that is lengthwise of the hood, to turn the current on or off to the several heaters.

The on or off position may be the up position 45 of the handle as this is relatively immaterial. However, it is important that the handles 31 move up and down and that they are all set to operate in the same direction. Preferably, they 50 are so constructed that, when they are in the up position, the current is on, and, when they are in the down position, the current is off. This makes it very convenient for the customer to control the heating units without making mis- 55

takes and it makes it unnecessary to have any loose cords or wires around the apparatus other than the single cord which connects the device to a source of current, and this may be connected to the stand or hood in such a way as to be out of the way of the customer.

From the above description, it is believed that the construction and operation of this device will be readily apparent to those skilled in this art. It is also believed to be obvious that various minor modifications may be made without departing from the scope of the invention as defined by the claims.

Having thus described one specific form of my invention, what I claim as new and desire to secure by Letters Patent is:

1. A hair drier of the character described comprising a supporting stand, a hood adjustably carried thereby, air heating means associated with said hood and comprising electrical heating elements, control switch mechanism for said heating elements mounted on the rim of said hood adjacent the head receiving portion thereof, said switch mechanism having handles movable lengthwise of the hood for controlling the current supplied to said heating elements.

2. In a hair drier, a hood comprising an elongated tubular housing closed at one end, brackets within said hood, a motor supported by said brackets, a fan carried and driven by said motor, a screen interposed between the fan and the open end of said hood, electrical heating units interposed between the screen and the fan, a control switch mounted in said hood and operable by tipping of said hood to control the supply of current to said heating units and said motor, and individual control switches for said heating units mounted on the exterior of said hood adjacent the open end thereof where they are readily accessible to a customer upon whose head the hood is fitted.

3. In a hair drier, a hood comprising an elongated tubular housing closed at one end, brackets within said hood, a motor supported by said brackets, a fan carried and driven by said motor, a screen interposed between the fan and the open end of said hood, electrical heating units interposed between the screen and the fan, a control switch mounted in said hood and operable by tipping of said hood to control the supply of current to said heating units and said motor, and individual control switches for said heating units mounted on the exterior of said hood adjacent the open end thereof where they are readily accessible to a customer upon whose head the hood is fitted, said switch mechanisms hav-

ing manually operable members movable toward and away from the open end of the housing to actuate the switch mechanisms.

4. A hair drier of the character described, comprising a supporting stand, a hood adjustably carried thereby, a motor within said hood, a fan carried and driven by said motor, electrical heating units in said hood adjacent said fan and adapted to heat the air circulated by said fan, individual control switches for said heating units adapted to be individually operated by the customer to whose head the drier is fitted, said individual control switches being mounted at the open end of the hood on the exterior thereof and having hand levers movable lengthwise of the hood for turning the individual heating units on and off.

5. A hair drier of the character described, comprising a supporting stand, a hood adjustably carried thereby, a motor within said hood, a fan carried and driven by said motor, electrical heating units in said hood adjacent said fan and adapted to heat the air circulated by said fan, individual control switches for said heating units adapted to be individually operated by the customer to whose head the drier is fitted, said individual control switches being mounted at the open end of the hood on the exterior thereof and having hand levers movable lengthwise of the hood for turning the individual heating units on and off, said supporting stand having a pivot member at the top thereof, and said hood having an arm connected therewith and secured to the pivot member, said last named arm extending beyond the pivot member on the opposite side from the hood and having a weighted element connected therewith to counterbalance the weight of the hood.

6. In a hair drier, a hood comprising an elongated tubular housing closed at one end, a motor, means in said housing for supporting said motor, a fan carried and driven by said motor, a screen interposed between the fan and the open end of the hood, electrical heating units interposed between the screen and the fan, a control switch for controlling the supply of current to said heating units and said motor, and individual control switches for said heating units mounted on the exterior of said hood adjacent the open end thereof where they are readily accessible to a customer on whose head the hood is fitted, said individual control switches having handles movable lengthwise of the hood between on and off positions.

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