Dec. 30, 1930. C. VAN DER HEUEL 1,786,969

HAIR DRYING APPARATUS

Filed Nov. 30, 1929

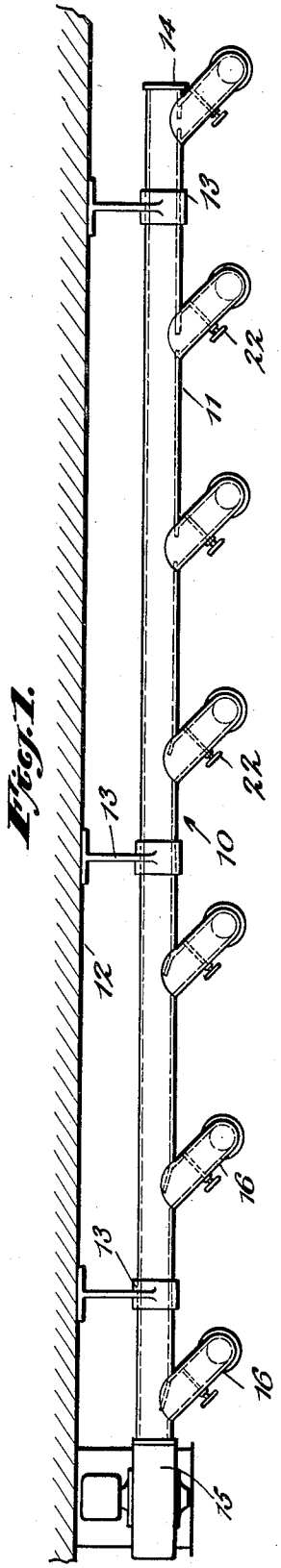

Fig. 1.

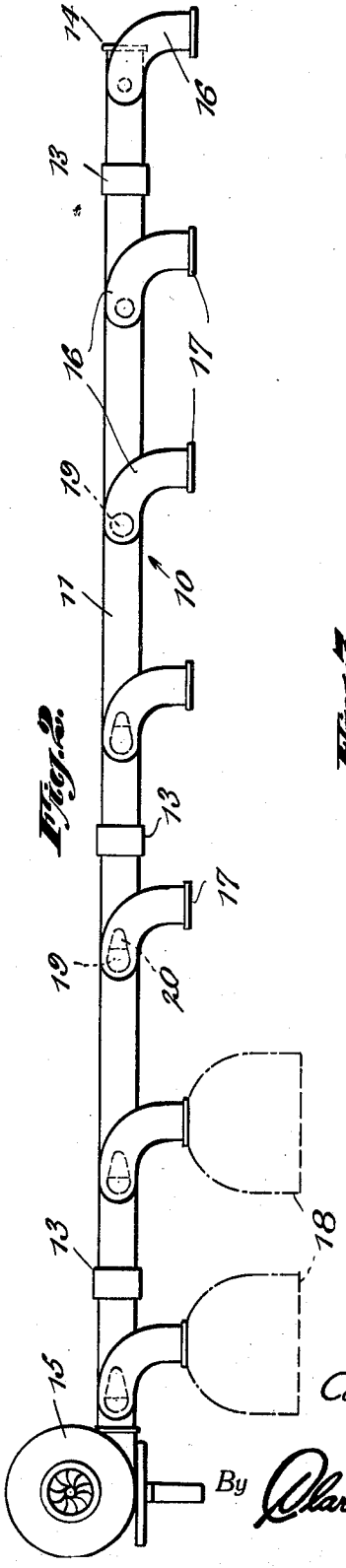

Fig. 2.

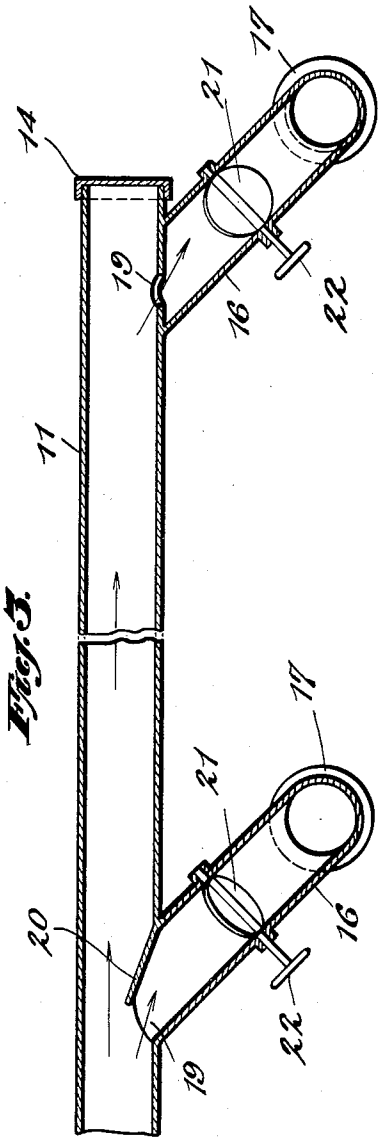

Fig. 3.

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UNITED STATES PATENT OFFICE

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HAIR-DRYING APPARATUS

Application filed November 30, 1929. Serial No. 410,732.

This invention relates to improvements in hair drying apparatus.

In beauty parlors and hair waving establishments it is the general practice to provide portable individual hair drying machines for the drying of ladies' hair and it is imperative that a shop be equipped with a number of these machines to meet the demand of its business. This entails an expense on the part of the shop owner which is overcome by the use of my multiple hair drying apparatus whereby a number of heads of hair may be dried in one operation, thus effecting a saving in the cost of equipment, as well as in the cost of operation and upkeep.

Another object is to provide a multiple hair drying apparatus which includes an elongated conduit adapted to be supported in an elevated position and which is closed at one end, while its opposite end is connected to an electric hot air blower, there being outlets along the length of the conduit to which caps or hoods are attached for fitting upon the head of the user, the same operating on an air velocity principle and means for proportionately controlling the flow of heated air to the respective outlets.

With these and other objects in view, the invention resides in certain novel construction, combination and arrangement of parts, the essential features of which are hereinafter fully explained, are particularly pointed out in the appended claim, and are illustrated in the accompanying drawing, in which:

Figure 1 is a top plan view of my improved hair drying apparatus.

Figure 2 is a side elevational view of the same.

Figure 3 is an enlarged fragmentary vertical longitudinal sectional view.

Referring to the drawing by reference characters, the numeral 10 designates my improved hair drying apparatus in its entirety, and which includes an elongated pipe or conduit 11 supported in an elevated position upon a wall or like supporting structure 12, by brackets or hangers 13. One end of the pipe or conduit 11 is closed as at 14, while attached to the opposite open end is an electrically operated hot air blower 15 of the usual well known construction, and which blower has its outlet fixedly attached to the open end of the said conduit. Extending outwardly at an acute angle with respect to the length of the pipe 11 and equidistantly spaced therealong are branch pipes or outlet nozzles 16, the free ends of which terminate in flanges 17 to which hoods or caps 18, such as shown in dotted lines in Figure 2 of the drawing may be attached.

The communicating openings 19 between the interior of the pipe 11 and the branch pipes 16 gradually increase in size from the closed end 14 toward the opposite inlet end, as will be seen by reference to Figures 1 and 2 of the drawing, while certain of the communicating openings 19 are restricted by baffle or deflector walls 20 which extend within the pipe 11 for the purpose of deflecting a proportionate amount of hot air through the respective passages 19. The deflectors 20 as before stated are disposed at an angle, and the angularity of the same increases toward the air inlet end of the pipe 11. By providing varied sized passages 19 and varied angular deflector walls 20, an even proportionate amount of hot air will be directed to the respective outlet nozzles or branch pipes 16 as the same operates on an air velocity principle, otherwise a vacuum would occur at the openings 19 adjacent the inlet end of the conduit.

For the purpose of closing off the passage of air through the branch pipes 16 and for regulating the flow therethrough, I provide dampers 21 within the respective branch pipes and which may be actuated by the handles 22 associated therewith. The flow may be entirely shut off when the particular nozzle is not in use, or the flow may be regulated by the adjustment of the damper 21.

From the foregoing description it will be seen that the persons whose heads of hair are to be dried may take up a position beneath the respective outlet nozzles 16 and any number may be dried in one operation, depending upon the capacity of the particular apparatus. The force of the hot air from the respective nozzles may be regulated as

before stated in accordance with the wishes of the individual whose hair is being dried.

In establishments where individual booths are provided for the patrons, the nozzles or outlets 17 may be connected by flexible hose, and the same led to the respective booths for private drying operations.

While I have described what I deem to be the most desirable embodiment of my invention, it is obvious that many of the details may be varied if desired without in any way departing from the spirit of the same, and I therefore do not limit myself to the precise details of construction herein set forth, nor to anything less than the whole of my invention, limited only by the appended claim.

Having thus described the invention, what I claim as new and desire to secure by Letters Patent is:—

A hair drying apparatus comprising a main pipe open at one end and closed at its opposite end, an electric hot air blower attached to the open end of said pipe, branch pipes extending at an acute angle from said main pipe and depending downwardly therefrom, means whereby a proportionate amount of air passing through said main pipe may be diverted into the respective branch pipes, said means including various sized openings between the main pipe and the respective branch pipes, said openings decreasing in size towards the outer closed end of the main pipe, and deflector walls extending within said main pipe adjacent certain of said openings.

In testimony whereof I affix my signature.

CORNEAL VAN DER HEUEL.