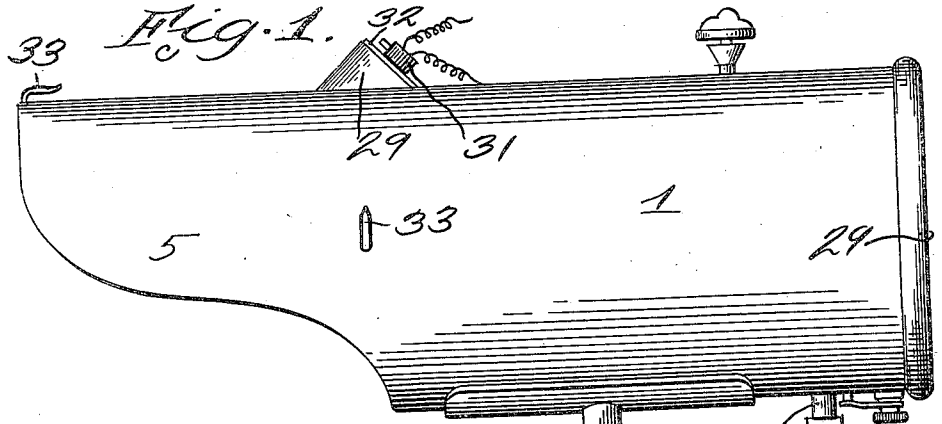
Aug. 16, 1932. J. A. DARY 1,871,591

HAIR STEAMER AND DRIER

Filed April 2, 1931 2 Sheets-Sheet 1

Fig. 1.



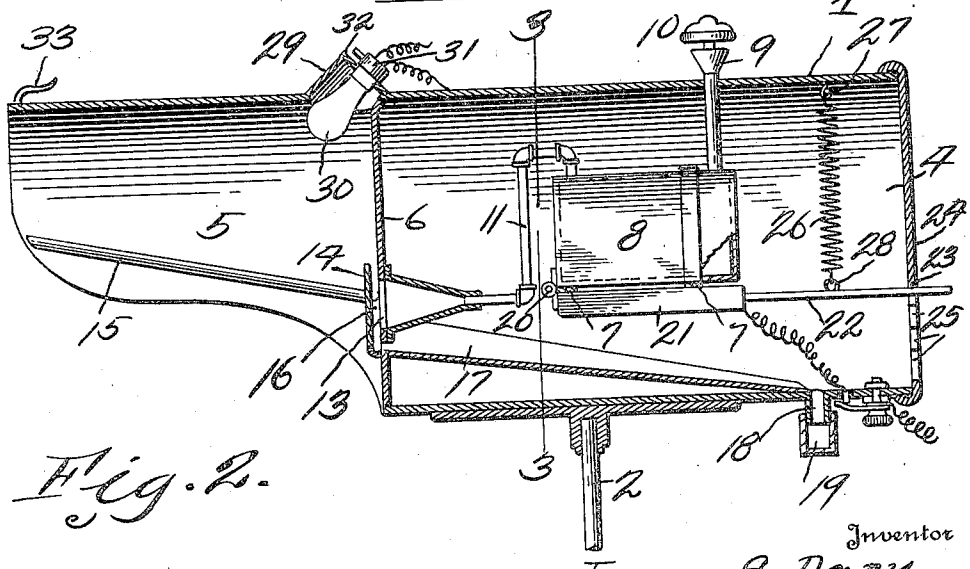


Fig. 2.

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Fig. 4.

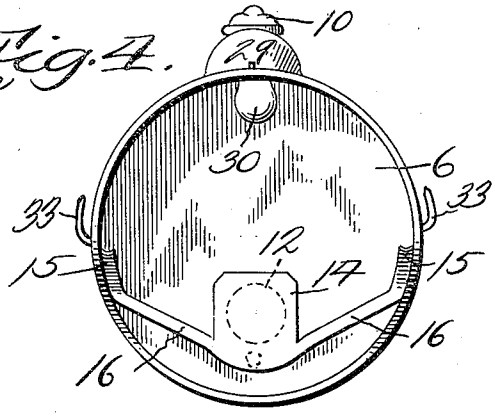
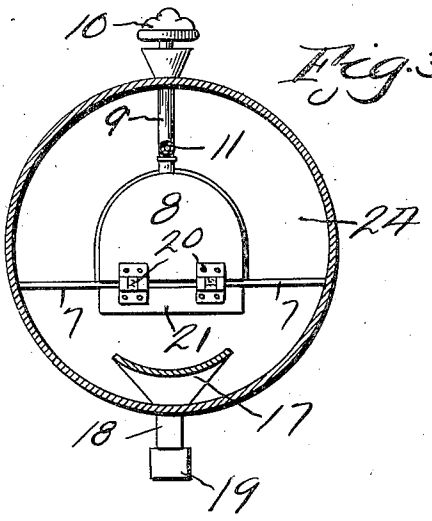


Fig. 3.



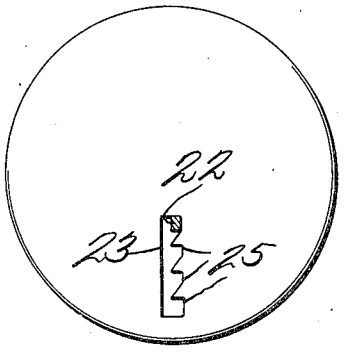


Fig. 5.

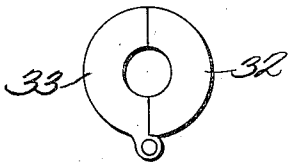


Fig. 6.

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Patented Aug. 16, 1932 1,871,591

UNITED STATES PATENT OFFICE

JAMES A. DARY, OF HARTFORD, KANSAS

HAIR STEAMER AND DRIER

Application filed April 2, 1931. Serial No. 527,280.

The invention relates to hair steamers and driers and has for its object to provide a device of this character comprising a casing having disposed therein a water receiving receptacle in which steam is generated and discharged into the head receiving portion of a hood for steaming hair.

A further object is to provide drainage means, whereby condensation within the head receiving hood, and from a deflection plate, will be discharged rearwardly through an inclined trough into a condensation receiving cup.

A further object is to provide the discharge pipe from the steam generating receptacle with a flared discharge member, discharging against a vertical transversely disposed deflecting member, which deflects the steam into the hood transversely, thereby preventing projection of the steam directly against the head.

A further object is to hingedly support an electric heating element beneath the water receptacle, and to provide a rearwardly extending lever carried by the heating element, and extending through the rear wall of the casing, and cooperating with notches against the action of the spring for adjusting the heating element at different distances from the water receptacle. The adjustment of the heating element allows various temperatures to be obtained in the water receptacle.

A further object is to position and incline the sides of condensation drain members, so that their inner ends will drain into downwardly and inwardly inclined troughs discharging into the rearward drain trough.

With the above and other objects in view the invention resides in the combination and arrangement of parts as hereinafter set forth, shown in the drawings, described and claimed, it being understood that changes in the precise embodiment of the invention may be made within the scope of what is claimed without departing from the spirit of the invention.

In the drawings:

Figure 1 is a side elevation of the steamer and drier.

Figure 2 is a longitudinal sectional view through the steamer and drier.

Figure 3 is a vertical transverse sectional view through the device taken on line 3—3 of Figure 2.

Figure 4 is a front elevation.

Figure 5 is a rear view showing the lever receiving notch.

Figure 6 is a plan view of the holding device for the lamp.

Referring to the drawings, the numeral 1 designates the elongated cylindrical casing of the device, which casing is supported on a downwardly extending shaft 2, adjustably mounted in a base 3. Casing 1 is divided into a heating chamber 4 and a head receiving hood 5 having its under side open by the vertical transverse partition 6. Disposed within the chamber 4 and suported on transverse bars 7 is a water receiving tank 8, into which water is placed through a filling pipe 9, having a cap 10. Water within the tank 8 is heated by means hereinafter set forth, for generating steam within the tank, and the steam passes upwardly and downwardly through the discharge pipe 11, which discharges into a forwardly flared discharge member 12. The discharge member 12 projects the steam forwardly through the opening 13 in the partition wall 6 and against a deflecting plate 14, which deflects the steam sidewise, so it will not be projected directly against the hair of a head within the hood 5. Condensation will naturally gather within the hood 8 and on the deflecting plate 14, and means is provided for draining the condensation to a common point of discharge. This means comprises rearwardly inclined drain troughs 15, on opposite sides of the hood, the rear ends of which discharge into downwardly and inwardly inclined troughs 16 on the partition 6, thereby converging the drainage to the point of condensation discharge from the plate 14, from which it discharges onto the inclined trough 17.

The drainage trough 17 inclines downwardly and rearwardly through the chamber 4, and discharges into a discharge pipe 18 having a removable cap 19 adapted to be removed for disposing of water incident to condensa-

tion. It will be noted that the condensation is discharged rearwardly in a position where it will not come in contact with the head or hair of a person subjected to treatment.

Hingedly connected at 20 to the water receptacle 8 adjacent its forward end in any suitable manner is an electric heating element 21, the free end of which is provided with a rearwardly extending operating handle 22. Handle 22 extends through a vertical slot 23, in the rear wall 24 of the casing 1, and is adapted to be placed in any of the recesses 25 for adjusting the heating element 21 at various distances from the water receptacle 8 for obtaining various temperatures within the receptacle 8, for generating steam necessary for the hair steaming operation. Heating element 21 is normally forced upwardly by means of a contractible spring 26, the upper end of which is anchored at 27 within the casing 1, and the lower end of which is connected at 28 to the operating handle 22, therefore it will be seen that the heating element will be positively held in its various adjusted positions. The hinged connection 20 may be formed by a ring or in any other manner, for instance a loose hinge connection, sufficient to allow a limited side movement of the handle 22 for movement into and out of the notches 25. The handle 22 is preferably formed from spring material for this purpose.

Extending upwardly from the hood 5 adjacent its inner end is a lamp receiving member 29 adapted to receive a lamp 30. The lamp may be of any character for treating the hair and for drying purposes, and it is to be understood that applicant does not limit himself in this particular. Lamp 30 is preferably carried by a socket 31, which is received between hinged members 32 for holding the same in position, and at the same time allowing the lamp to be easily and quickly removed. Electric energy is obtained for the lamp and the heating element from any suitable source of supply, and partial wiring shown is for illustrative purposes only.

When it is desired to steam the hair, the head is placed within the hood 5, and towel is wrapped around the head in engagement with the skin adjacent the hair line, and is hooked on the hooks 33 carried by the hood. The receptacle 8, having been previously filled with water, it is only necessary to start the heater, after adjusting the same, thereby generating steam which will pass upwardly and thence through the discharge pipe 11, and into the hood. It has been found that the steam can be generated in an exceedingly short time, and by providing the adjusting means for the heater 21, it is possible when too much steam is generated, the volume can be lowered by lowering the heating element 21. It will be seen that any kind of a bulb 30 can be placed in the socket 31, therefore the user is not limited as to the type of bulb, and may purchase conventional bulbs for this purpose, which are on the market, and apply the same to the device.

The invention having been set forth what is claimed as new and useful is:—

1. A hair steaming and drying device comprising a casing having a chamber therein, a head receiving extension carried by the casing, a water receiving receptacle within the chamber of the casing, means whereby steam generated within the water receptacle will be discharged into the head receiving hood, an electric heating element beneath the receptacle, means for adjusting said heating element towards and away from the receptacle, said means comprising spring means normally forcing the heating element towards the receptacle, a handle carried by the heating element and extending through an elongated slot in the casing, one side of said slot having lugs adjacent to receive the handle and hold the same against the action of the spring means.

2. The combination with a hair steaming and drying device having a head receiving hood, a steam generating tank, means for discharging steam from the tank into the hood, of a hinged heating element carried by the tank, spring means for normally forcing the heating element towards the tank, a handle member carried by the heating element and means cooperating with the handle member for holding the same in various positions against the action of the spring means.

3. A hair steaming and drying device comprising a hood having its under side open for the reception of a head, a casing extending to the rear of said head, a vertical transverse wall separating the casing and hood, a steam generator within the casing extension, downwardly and rearwardly inclined drain troughs on opposite sides of the hood within the hood, said drain troughs being connected together at their rear ends by downwardly and inwardly extending drain troughs connected together, a drain trough within the extension casing and inclining downwardly and rearwardly to a point of discharge and into which condensation from the hood troughs is discharged and means for discharging vapor into the hood through the vertical transverse wall.

4. The combination with a hair steaming device comprising a hood, a casing extension to the rear of the hood, a steam generator within the casing extension, drain troughs carried by the inner sides of the hood at opposite sides thereof and inclining downwardly and rearwardly, a vertical transverse wall dividing the hood and casing, a transverse drain trough carried by said wall and into which the hood drain troughs discharge, a single drain trough within the ex-

tension casing and connected to the wall and into which the condensation from the drain trough from the transverse wall discharges, said single drain trough inclining downwardly and rearwardly, an upwardly extending deflecting plate carried by the drain trough on the transverse wall, a steam generator and means whereby steam from the generator is discharged through the transverse wall against the deflecting plate.

5. A device as set forth in claim 4 including the generator disposed above the single discharge trough, an electric heating element hingedly connected to the generator adjacent its forward end and means whereby the heating element may be angularly positioned and held in relation to the generator and trough for regulating the heating of water in the generator.

6. The combination with a hair steamer and drying device hood, said hood having one of its sides open for the reception of the head to be dried, of condensation drain troughs within the hood and carried thereby, said drain troughs inclining downwardly and rearwardly in a direction away from the head and a discharge trough into which said drain troughs discharge.

7. The combination with a hair steaming device, a head receiving hood carried by said device and having its under side open for the reception of a head, a vertical transverse wall carried at the rear end of the hood, means for discharging vapor through said wall adjacent its lower end, a vapor deflecting plate within the hood and against which the vapor is discharged and deflected in a vertical transverse plane, of condensation drainage troughs inclining downwardly and rearwardly and carried by opposite sides of the hood, a transverse trough carried by the transverse wall and into which condensation from the first mentioned troughs is discharged and means whereby the condensation is discharged through the transverse wall rearwardly of the deflecting plate.

In testimony whereof he hereunto affixes his signature.

JAMES A. DARY.