

Nov. 8, 1932.

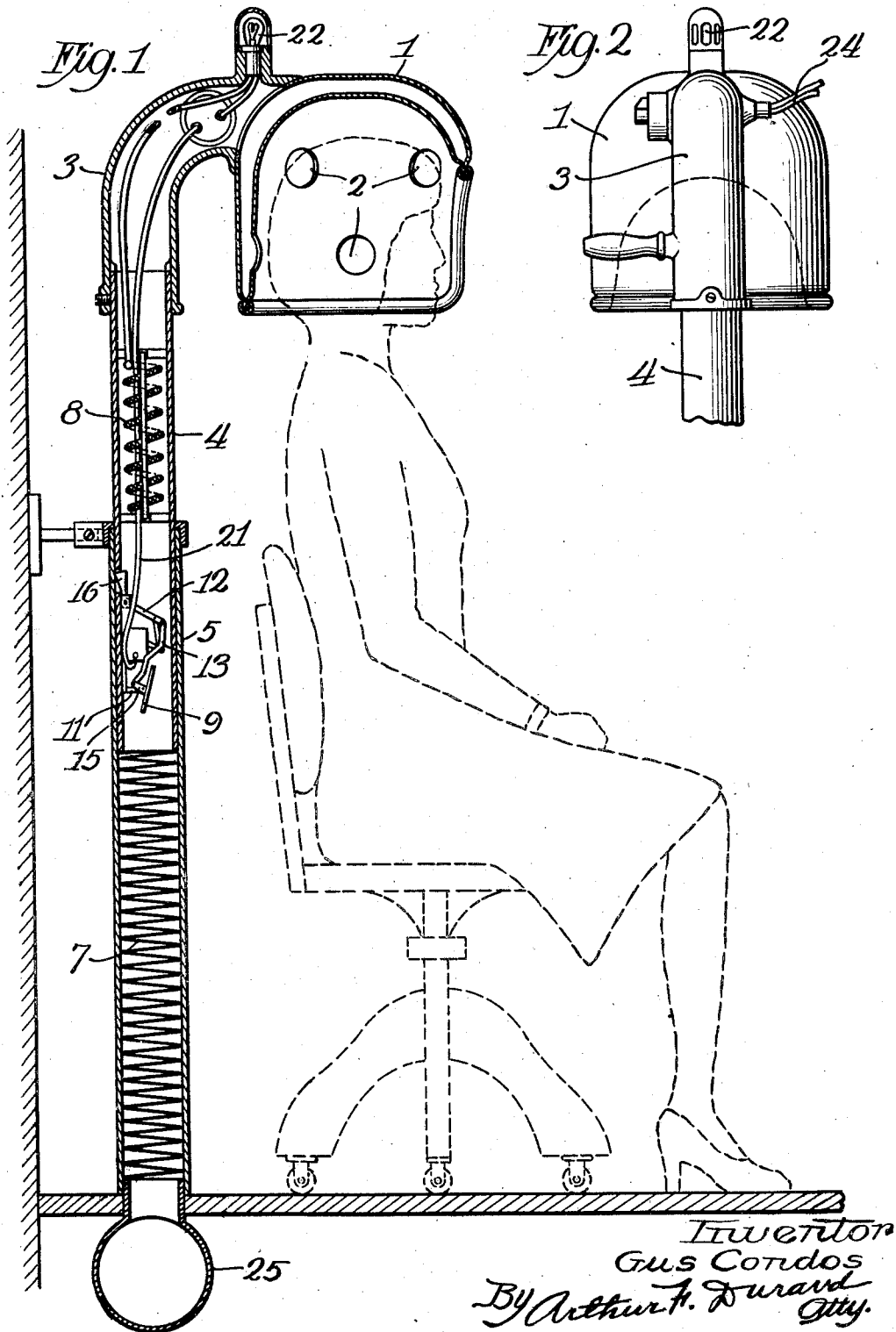
G. CONDOS

1,887,233

HAIR DRYING APPARATUS.

Filed May 31, 1930

2 Sheets-Sheet 1



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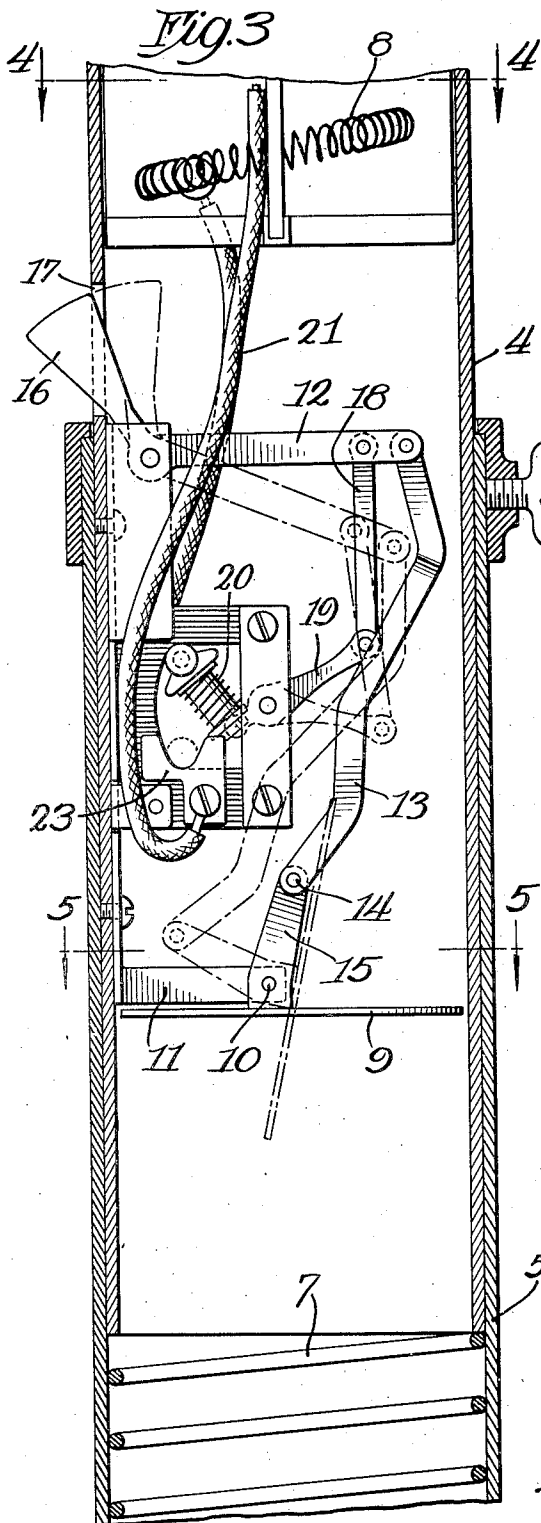
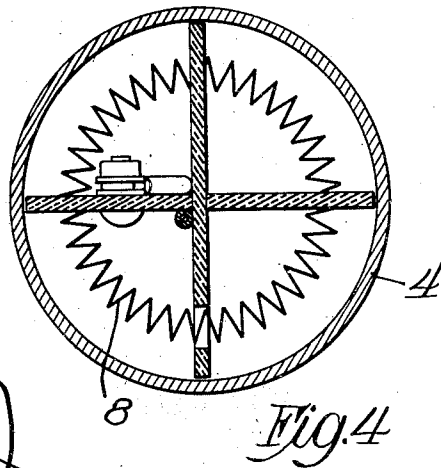
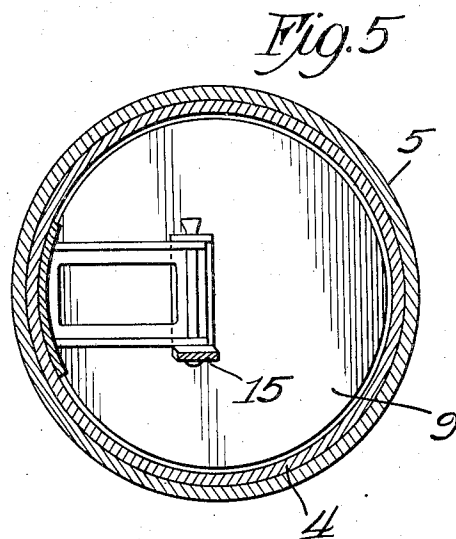
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2 Sheets-Sheet 2



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UNITED STATES PATENT OFFICE

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HAIR DRYING APPARATUS

Application filed May 31, 1930. Serial No. 458,046.

This invention relates to hair-drying apparatus of the kind in which a helmet-shaped member is provided for receiving the head of the person whose hair is being dried, means being provided for blowing air, preferably heated air, through the helmet against the head of said person.

Generally stated, the object of the invention is to provide a novel and improved construction and arrangement whereby the electric heating element and the damper for controlling the air, and the said helmet-shaped member, are combined and organized in a structural unit which is adjustable up and down, to suit the convenience of the person whose hair is being dried and the operator who is doing the work.

It is also an object to provide certain details and features of construction and combinations tending to increase the general efficiency and the desirability of a hair-drying apparatus of this particular character.

To the foregoing and other useful ends, the invention consists in matters hereinafter set forth and claimed and shown in the accompanying drawings, in which—

Fig. 1 is a vertical section of a hair-drying apparatus embodying the principles of the invention;

Fig. 2 is a rear elevation of the upper portion of said apparatus;

Fig. 3 is an enlarged vertical section of a portion of said apparatus;

Fig. 4 is a transverse section on line 4—4 in Fig. 3; and

Fig. 5 is a similar section on line 5—5 in Fig. 3.

As thus illustrated, the invention comprises a helmet 1 having the inner wall thereof provided with discharge openings 2 for discharging the heated air against the hair of the person who is being operated upon. The helmet has a tubular shank portion 3 rigid therewith, and this shank portion is rigidly secured to the upper end portion of a vertical tube 4, removably, as shown. Said tube slides up and down in the vertical standard or support 5, the latter being provided with a set screw 6 for holding the tube in position, after being adjusted up or down. A

cushioning spring 7 is provided in the standard 5, as shown in Fig. 1 of the drawings, to cushion the downward movement of the tube 4, when it is desired to lower the helmet into position over the head of the person whose hair is being dried.

An electric heating element 8 is provided in the tube 4, and this tube also contains the damper 9, which is pivoted at 10 on the bracket 11, thereby to control the flow of air upwardly in said tube. Said damper is operated by a lever 12 through the medium of a link 13 pivoted at 14 on an arm 15, rigid with the damper. Said lever 12 has a portion 16 that works in a slot 17 in the tube 4, whereby when the tube is moved downward, the portion 16 will strike the upper end of the standard 5 and thereby cause the damper 9 to be opened. In addition, the lever 12 is connected by a link 18 with the lever 19, which is subject to the pressure of a spring 20 that tends normally to hold the parts in the positions shown in full lines in Fig. 3 of the drawings. In this way, when the tube 4 is raised, the spring 20 causes the portion 16 to move outwardly in the slide 17, thereby again closing the damper 9, in a manner that will be readily understood. Furthermore, the electric conductors 21 for the heating element 8, and for the signal light 22, extend to a switch 23 that is also automatically operated by the lever 19. This switch may be of any suitable or well known character, and does not need any further explanation.

Preferably, the electric current is supplied from any suitable source by the conductors 24 leading to the side of the shank 3, as shown.

The air can be supplied in any suitable or desired manner, as by a conduit 25 below the floor, suitably connected with the lower end of the hollow standard 5, as shown in Fig. 1 of the drawings. In this way, the air will be blown up through the spring 7 and through the tube 4 and the shank 3 into the space between the inner and outer walls of the helmet 1, and then discharged through the openings 2 in the manner stated.

With the foregoing construction and arrangement, the helmet 1, the heating element

8, and the damper 9, are combined in a unitary structure, the structural unit being adjustable up and down, as stated. The electrical connections are all carried by this unit, and there are no such connections in the hollow standard, and hence the said unit can be lifted out of the standard, when desired, without breaking any connections. It will be understood, of course, that the electrical conductors 24 may lead to an ordinary plug for insertion in any ordinary electric outlet.

When the helmet unit is raised, the electric current is automatically shut off, and the damper is closed. Thereafter, when a person is in position to be treated or operated upon by the apparatus, the helmet unit is lowered, and this will automatically turn the current on for the element 8 and the lamp 22, and will automatically open the damper 9, as previously explained.

What I claim as my invention is:

1. In hair-drying apparatus, the combination of an air discharge helmet shaped to receive the head of the person whose hair is being dried, a vertical air tube supporting at its upper end said helmet, a hollow standard supporting said tube, a damper in said tube, an electric heating element in said tube, between said damper and said helmet, and means whereby said helmet and tube and said damper and heating element therein are movable up and down as a unit on said standard, having a switch for controlling the supply of current to said heating element, and means operated by up and down adjustment of said tube which serves automatically to open and close said switch.

2. In hair-drying apparatus, the combination of an air discharge helmet shaped to receive the head of the person whose hair is being dried, a vertical air tube supporting at its upper end said helmet, a hollow standard supporting said tube, a damper in said tube, an electric heating element in said tube, between said damper and said helmet, and means whereby said helmet and tube and said damper and heating element therein are movable up and down as a unit on said standard, having a switch for controlling the supply of current to said heating element, and means operated by up and down adjustment of said tube which serves automatically to open and close said switch, and to close and open said damper.

3. In hair-drying apparatus, the combination of an air discharge helmet shaped to receive the head of the person whose hair is being dried, a vertical air tube supporting at its upper end said helmet, a hollow standard supporting said tube, a damper in said tube, an electric heating element in said tube, between said damper and said helmet, and means whereby said helmet and tube and said damper and heating element therein are movable up and down as a unit on said standard,

having a switch for controlling the supply of current to said heating element, and means operated by up and down adjustment of said tube which serves automatically to open and close said switch, and a signal controlled by said switch to indicate whether the current is on or off.

4. In hair-drying apparatus, the combination of a helmet, means for supplying air to the helmet, electric means for heating the air, means whereby the helmet is adjustable vertically, and switch means operated automatically by the up and down movement of the helmet, thereby to automatically open and close the circuit of said heating means.

Specification signed this 28th day of May, 1930.

GUS CONDOS.