

Sept. 14, 1948.

O. D'EMILIO

2,449,205

HAIR DRIER

Filed Aug. 1, 1946

3 Sheets-Sheet 1

Fig 2

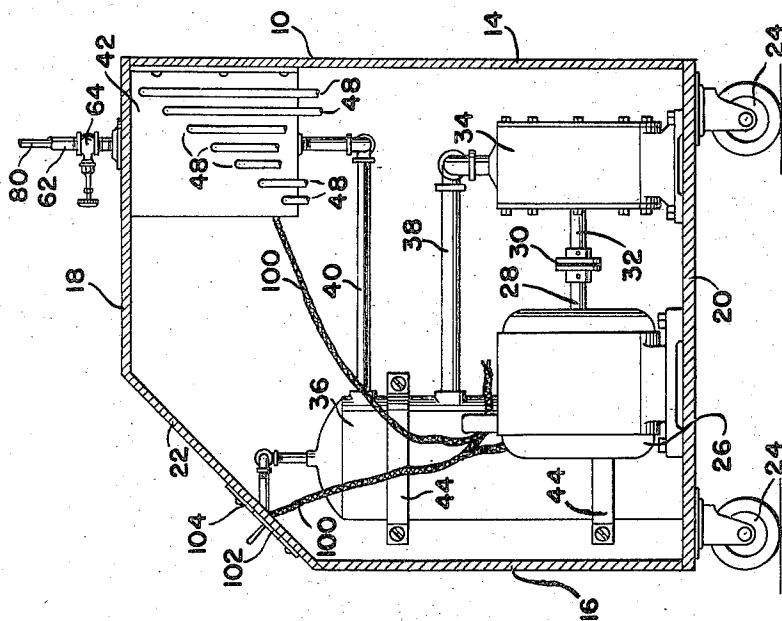
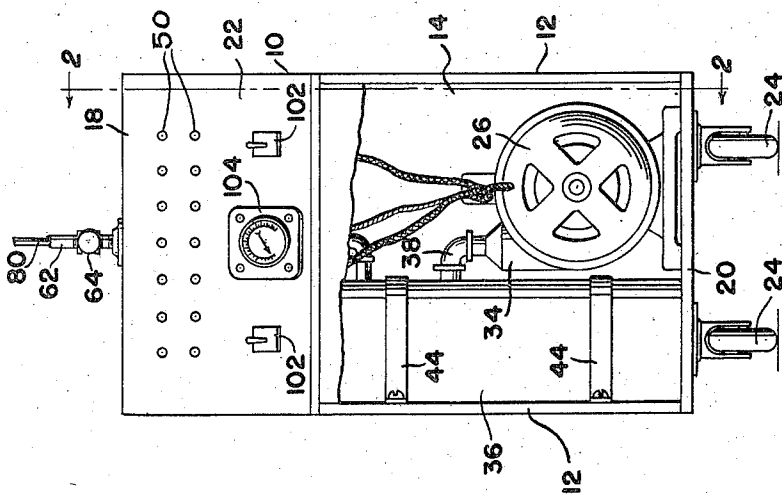


Fig 1



INVENTOR.

ORESTE D'EMILIO

BY *Victor J. Evans & Co.*

ATTORNEYS

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Fig 3

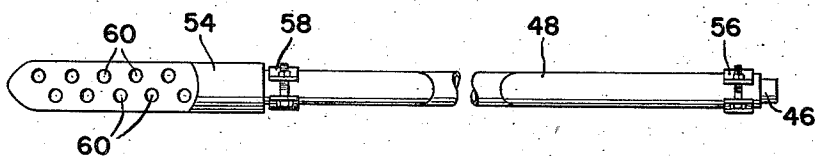


Fig 4

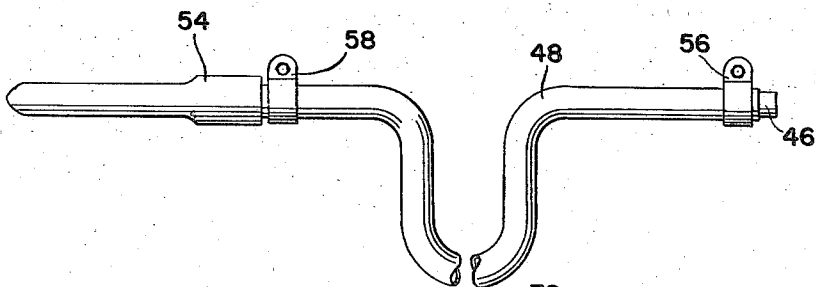
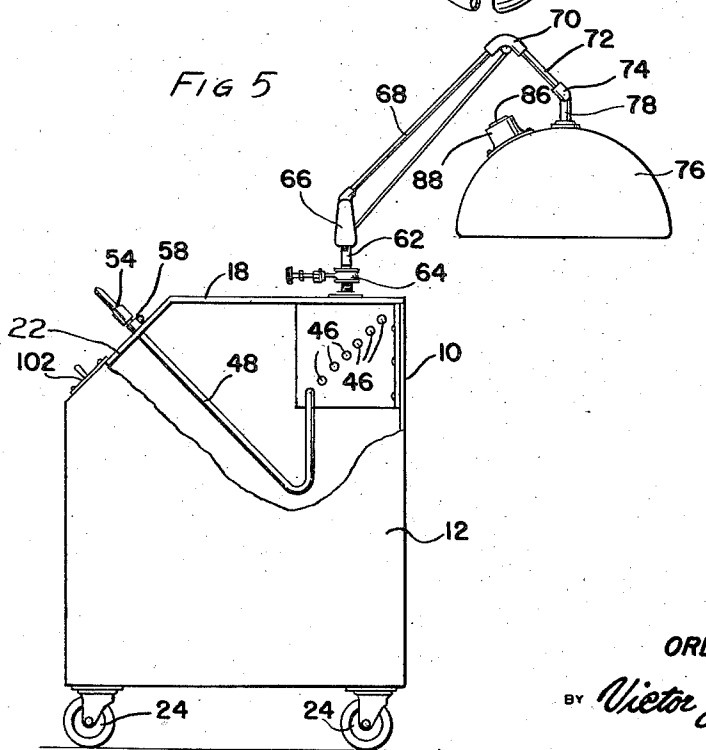


Fig 5



INVENTOR.

ORESTE D'EMILIO

BY *Victor J. Evans & Co.*

ATTORNEYS

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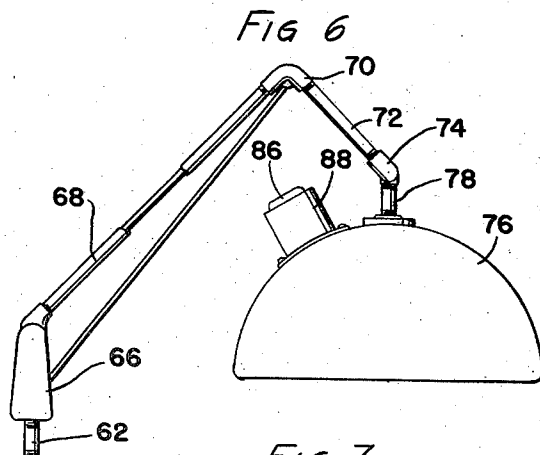
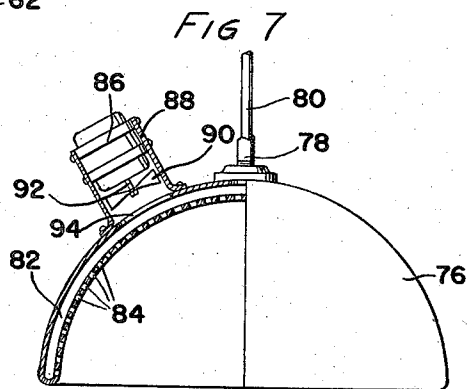
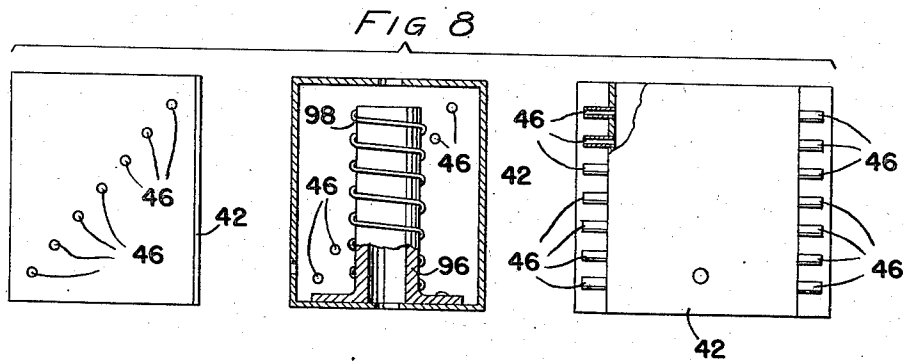
O. D'EMILIO

2,449,205

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3 Sheets-Sheet 3



INVENTOR.

ORESTE D'EMILIO

BY *Victor J. Evans & Co.*

ATTORNEYS

## UNITED STATES PATENT OFFICE

2,449,205

HAIR DRIER

Oreste D'Emilio, Nutley, N. J.

Application August 1, 1946, Serial No. 687,664

1 Claim. (Cl. 34—90)

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This invention relates to a hair dryer and the primary object of the invention is the provision of an appliance of this character which will dry the hair and cool the hair when a permanent is being given.

Another object of the invention is the provision of an appliance of this character, which is simple in construction thoroughly reliable and efficient in operation, readily and easily handled by an operator and inexpensive to manufacture and install.

With these and other objects in view the invention consists in the features of construction, combination and arrangement of parts, as well as hereinafter more fully described, and illustrated in the accompanying drawings in which:

Figure 1 is a front view of an embodiment of the invention with parts broken away;

Figure 2 is a sectional view on the line 2—2 of Figure 1;

Figure 3 is a plan view of a cooling nozzle;

Figure 4 is a side view thereof;

Figure 5 is a side view of the appliance including the hair dryer partly broken away;

Figure 6 is an enlarged view of the hair dryer;

Figure 7 is a view partly in section of the hood of the dryer;

Figure 8 is a side, front and sectional view of the manifold.

Referring more in detail to the drawings the reference numeral 10 designates the cabinet of the appliance having side walls 12, rear wall 14, front wall 16, top 18, bottom 20 and inclined control panel 22 joining the front wall 16 and top 18 at an angle thereto.

The cabinet is provided with casters 24 on the bottom 20 to permit movement of the cabinet as desired.

Secured to the bottom 20 within the cabinet 10 is a motor 26 the drive shaft 28 of which is connected by a universal joint 30 to the drive shaft 32 of the air pump 34 which compresses air into storage tank 36 by means of the pipe 38.

The compressed air from tank 36 is by means of pipe 40 supplied to the manifold 42. Hangers 44 secured to one of the sidewalls 12 retains the tank 36 in position and the manifold is secured to the top of the rear wall 14 adjacent to the top 18.

The manifold is provided with outlets 46 to which flexible conduits 48 are connected and the conduits are trained through openings 50 in the control panel 22 to receive the nozzles 54 on the free end thereof. Couplings 56 connect the con-

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duits 48 to the outlets 46 and couplings 58 connect the conduits 48 to the nozzles 54.

The nozzles are perforated at 60 to permit cool air to be circulated underneath the curls while the customer is receiving a permanent.

The manifold 42 is provided with an outlet 62 controlled by a valve 64 which is connected to a universal joint 66 in turn connected by pipe 68 to an elbow 70 which by pipe 72 is connected to a universal joint 74 connected to the hood 76 by pipe 78 and a flexible conduit 80 is trained through the aforementioned elements into the chamber 82 in the hood upon which air is directed onto the head of the person seated therebetween by perforations 84. A motor 86 mounted in the housing 88 secured to the hood 76 drives a fan 90 mounted on the drive shaft 92 to force air through an opening 94 which communicates with the chamber 82 and the blast of air disperses the air forced into the chamber 82 by the conduit 80 on to the head of the person seated therebelow.

Mounted in the manifold 42 is an insulated support 96 having a heating element 98 wound thereon which will heat the air in the manifold when the drying hood is used and cables 100 connected to switches 102 mounted on the control panel 22 controls the heater and the motor as desired. Also mounted on the panel 22 is the air pressure gauge 104.

Thus an appliance has been provided that will heat or cool hair during the time a person is receiving a permanent.

It is believed that the operation and construction of the appliance will be apparent to those skilled in the art and it is to be understood that changes in the details of construction, arrangement and combination of parts may be resorted to, provided they fall within the spirit of the invention and the scope of the appended claim.

Having thus described the invention, what is claimed as new and desired to be secured by Letters Patent is:

An appliance of the character described comprising a cabinet, motor means in said cabinet, pump means actuated by said motor means, a compressed air storage means connected to said pump means, air distribution means connected to said storage means, a plurality of conduit means connected to said distribution means for directing air onto a person's head, heating means in said distribution means, a second conduit means connected to said distribution means for conducting air outwardly of said distribution means, a hood on said conduit means for di-

recting air onto a person's head, air circulating means carried by said hood for forcing the air outwardly of said hood, and nozzles on the ends of said first conduit means for directing a secondary stream of air onto the person's head when covered by said hood.

ORESTE D'EMILIO.

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