

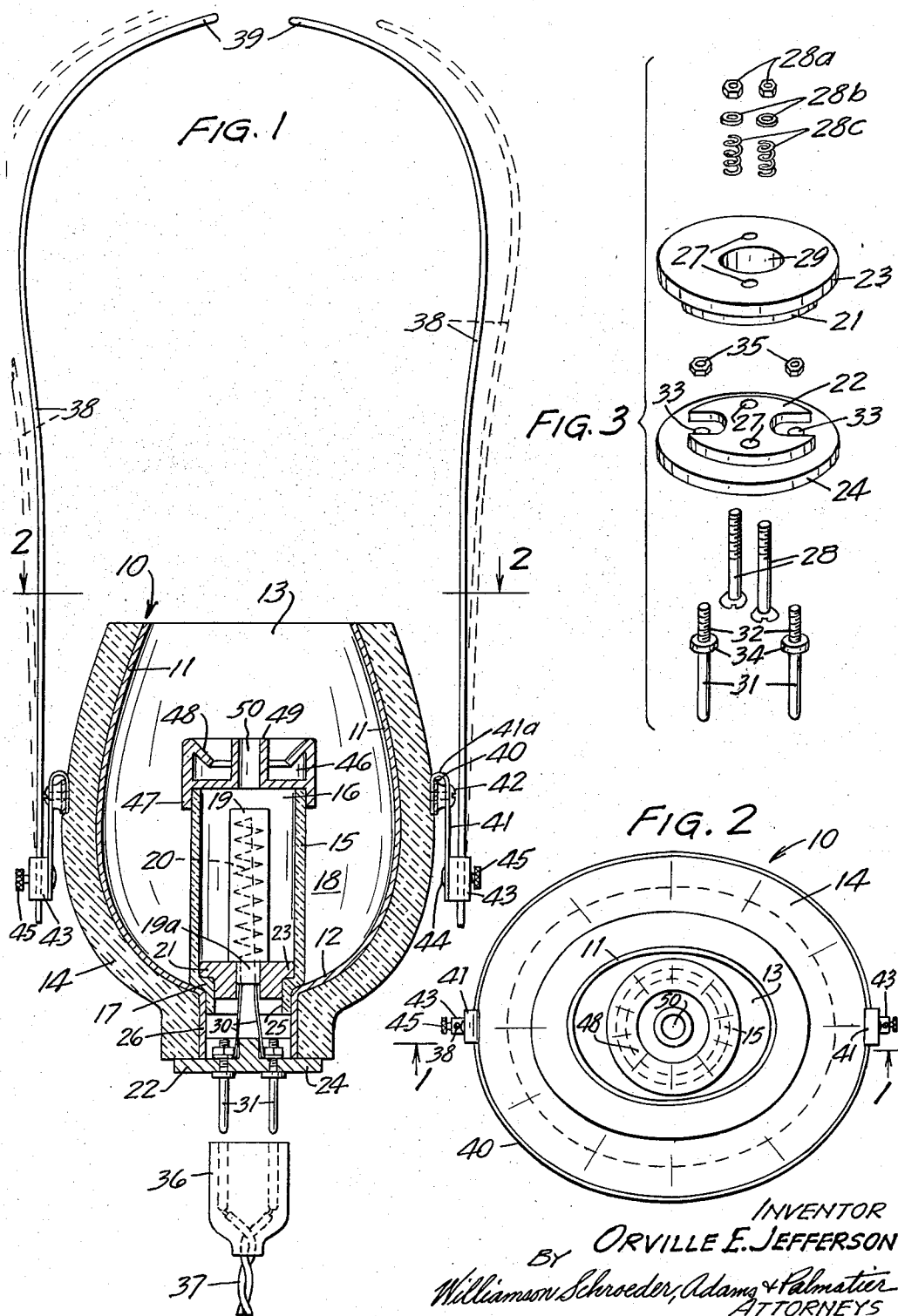
Sept. 29, 1959

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2,906,264

NOSE HEATER

Filed Jan. 24, 1958



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NOSE HEATER

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Application January 24, 1958, Serial No. 710,990

3 Claims. (Cl. 128—192)

This invention relates to apparatus for applying heat to a person's nose.

An object of my invention is to provide new and improved apparatus of simple and inexpensive construction and operation for applying heat to a person's nose.

Another object of my invention is to provide novel apparatus which is adapted to be suspended from a person's neck and adjacent his chest to radiate heat upwardly to warm his nose to aid in relieving a head cold.

These and other objects and advantages of my invention will more fully appear from the following description made in connection with the accompanying drawings wherein like reference characters refer to the same or similar parts throughout the several views and in which:

Fig. 1 is a section view of the invention and taken on a substantially vertical plane as indicated at 1—1 in Fig. 2;

Fig. 2 is a section view taken on a horizontal plane as indicated at substantially 2—2 in Fig. 1;

Fig. 3 is an enlarged exploded perspective view of a portion of the apparatus.

One form of the present invention is shown in the drawings and is described herein. The nose heating device, which is indicated in general by numeral 10 includes a rigid outer receptacle 11 which is substantially oval in shape to be easily gripped by a person's hand. The receptacle 11 has a closed bottom 12 and an open top 13 and which receptacle is constructed of metal. The outer receptacle 11 is enclosed by a thick layer 14 of insulating material to prevent outward passage of heat therein therethrough and to facilitate manual handling of the receptacle when heat is applied from within. The insulating layer 14 is substantially identical in configuration to the receptacle 11 so as to overlie substantially the entire outer surface thereof, and the insulating layer 14 is also open at the top.

The device 10 is also provided with an inner rigid glass receptacle 15 having an open top 16 and a closed bottom 17 for directing heat applied from within in an upward direction. The receptacle 15 is spaced from the receptacle 11 at the sidewall thereof to define an insulating air space 18. An electric heating element 19 is disposed within the inner receptacle 15 at the center thereof and in alignment with the open tops 16 and 11 of the inner and outer receptacles 15 and 11 respectively. The heating element 19 in the form shown, is constructed of ceramic material and has a heat-producing wire 20 therein.

Means are provided for securing the inner and outer receptacles in the predetermined relation with respect to each other and for mounting the heating element 19 within the inner receptacle. In the form shown, such means includes a pair of insulating ceramic discs 21 and 22 which have flanges 23 and 24 respectively. Aligned apertures 25 and 26 are provided in the bottoms of the inner and outer receptacles 15 and 11 respectively for receiving the discs 21 and 22 respectively, and the flanges 23 and 24 bear against the inner surface of the inner re-

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ceptacle and the outer surface of the outer receptacle for urging the bottoms of the receptacles together and maintaining the same in predetermined and fixed relation with respect to each other. The discs 21 and 22 have aligned bolt-receiving apertures 27 therein through which the bolts 28 extend and are secured as by nuts 28a, washers 28b, and springs 28c for clamping discs 21 and 22 together. The disc 21 is also provided with an enlarged centrally disposed aperture 29 into which the reduced lower end 19a of the heating element extends.

The connecting wires 30 of the heating element 19 project downwardly from the lower end thereof and through the aperture 29.

The lower disc 22 is provided with means adapted for connecting the wires 30 with a source of electric power and in the form shown, a pair of prongs 31 have threaded upper portions 32 which project through apertures 33 in the disc 22 and are secured to the disc 22 as by nuts 34 and 35 on the lower and upper sides of the disc respectively. The wires 30 are connected to the prongs 31 by the upper nuts 35. The spacing between the downwardly projecting prongs is such as to facilitate application of an electric socket 36 thereto. The socket 36 may be of any conventional type which is connected as by an electric cord 37 to a source of electric power. Conventionally, the heating element 19 is designed for use at commercial voltages of 110 to 120 volts.

Means are provided for suspending the receptacle 11 below a person's nose so as to permit heat to be radiated upwardly therefrom for warming a person's nose. In the form shown such means include a pair of elongated and rigid suspending elements 38 which are disposed on opposite sides of the heat radiating receptacles and which have convergent upper ends 39 adapted to lie along and substantially encircle the opposite sides of a person's neck.

Means are provided which yieldably connect the suspending elements 38 with the receptacle 11 to facilitate inward and outward movement of the suspending elements 38 and to permit swingable adjustment thereof. In the form shown such means include a strap 40 which encircles the insulating layer 14 and which, at the opposite sides thereof, has a pair of depending leaf springs 41 secured thereto as by screws 42. The upper end 41a of each leaf spring 41 is bent back upon itself to form a hook which is carried on the strap 40. The lower ends of the leaf springs support the adjustment sleeves 43 and are connected thereto as by screws 44 which provide a pivotal relation between the spring and sleeve so as to permit swinging of the sleeve about a horizontal axis. The lower ends of the suspending elements project through the sleeves 43 and are adjustably secured therein by means of thumb screws 45 which are threaded into the sleeves.

Removable means are also provided for containing a supply of medicine to be vaporized and inhaled. In the form shown, such means comprise a cup 46 having a depending circular flange 47 adapted to telescopically receive the upper end of receptacle 15 therein. The receptacle 46 has an inwardly and downwardly inclined top wall portion 48 which defines a funnel to assist in directing the medication into the cup. The cup also has an upright central sleeve 49 defining a central opening 50 to permit the heat from the heating element 19 to escape. The cup 46 is readily removable from the receptacle 15 by merely lifting the cup out of engagement with the receptacle.

In the use and operation of the invention, the open-topped receptacle 11 will be positioned adjacent a person's chest so that heat may be radiated upwardly out of the glass receptacle 15 and directed toward a person's nose. The heat will penetrate up into the nasal passages to aid

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in causing relief from head colds. It has been experienced that a head cold, requiring almost constant use of a handkerchief has been substantially entirely relieved after heat has been applied in the manner described by the present invention. It is also desirable to utilize the present invention for applying heat to a person's nose when it is felt that a head cold is coming on.

It should be understood that the heating element 19 may attain temperatures up to six hundred degrees or more, and the glass receptacle 15 and air space 18 reduce the amount of heat that is actually applied in the inside receptacle 11. The thick layer of insulation 14 surrounding the receptacle 11 facilitates the handling of the apparatus and facilitates resting of the outside of the insulating layer against the person's chest when the elements 38 are suspended from the person's neck. The suspending elements 38 may be shifted outwardly into the dotted position B to facilitate ready and easy application of the device to the person's neck and removal therefrom.

When medication is to be vaporized and inhaled, the cup 46 will be applied onto the receptacle 15 in the fashion shown in Fig. 1 and the medicine will be inserted therein and will be vaporized by the heat from the heat element 19. When the device 10 is then suspended beneath a person's nose, the medication which is vaporized is easily inhaled.

It will, of course, be understood that various changes may be made in the form, detail, arrangement and proportion of the parts without departing from the scope of my invention which consists of the matter described herein and set forth in the appended claims.

What I claim is:

1. A nose heating apparatus comprising open-topped receptacle means having a bottom and having an electric heating element therein, a layer of insulation around the receptacle to facilitate handling of the receptacle means when heat is radiated by said element, means for connecting the heating element with a source of electric power, and a pair of elongated and substantially rigid suspending elements disposed on opposite sides of the receptacle means and having convergently curved upper ends adapted to extend around opposite sides of a person's

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neck for suspending the receptacle means adjacent the person's chest and below his nose, and means securing the suspending elements to the receptacle means and permitting outward and inward movement of the upper ends thereof to facilitate application of the elements to a person's neck.

2. A nose heating apparatus comprising an open-topped receptacle means having a bottom and having an electric heating element therein for radiating heat in an upward direction, a layer of insulation around the receptacle means to permit the same to be laid against a person's chest and to permit handling thereof, a pair of elongated and suspending elements respectively disposed on opposite sides of the receptacle means and having convergent upper ends adapted to be disposed on opposite sides of a person's neck, a pair of flexible springs each secured to the lower end of one of the suspending elements adjacent the receptacle means, and means securing the flexible springs on opposite sides of the receptacle means whereby to permit inward and outward movement of the upper ends of the suspending elements for removal and application thereof to a person's neck with the receptacle means supported adjacent the person's chest and radiating heat upwardly toward the person's nose.

3. The invention set forth in claim 2 and including pivot means permitting swinging adjustment of the suspending elements with respect to the receptacle means to permit the receptacle means to be supported in upright position when the suspending elements are oriented at an oblique angle with the vertical and around a person's neck.

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