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BOTTLE OR CONTAINER WARMER

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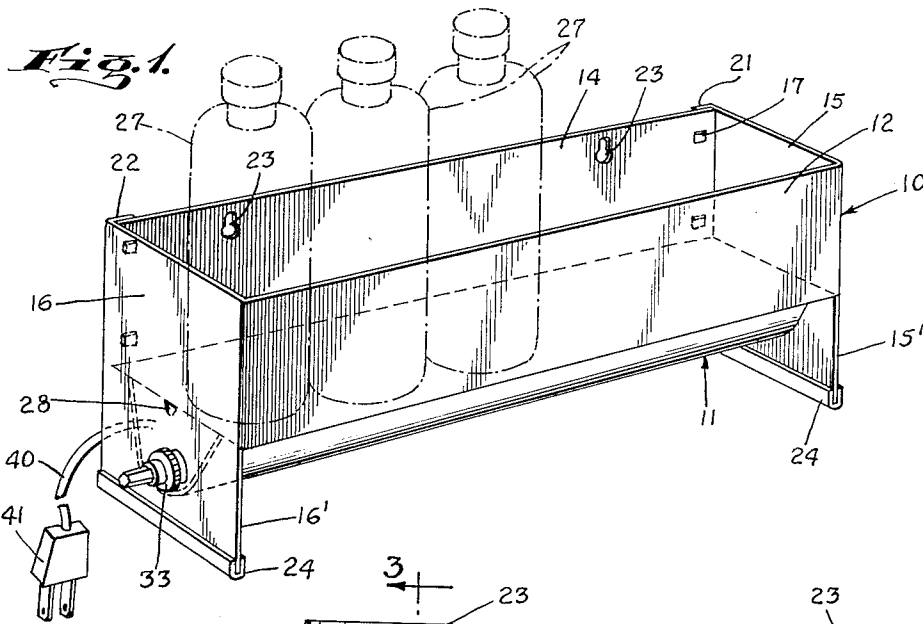
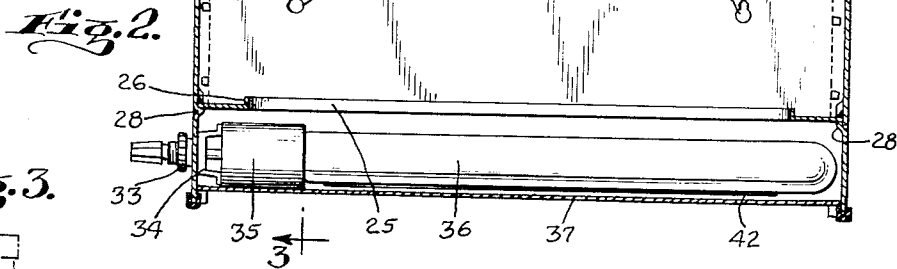


Fig. 3.

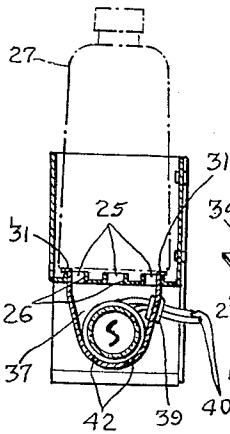


Fig. 4.

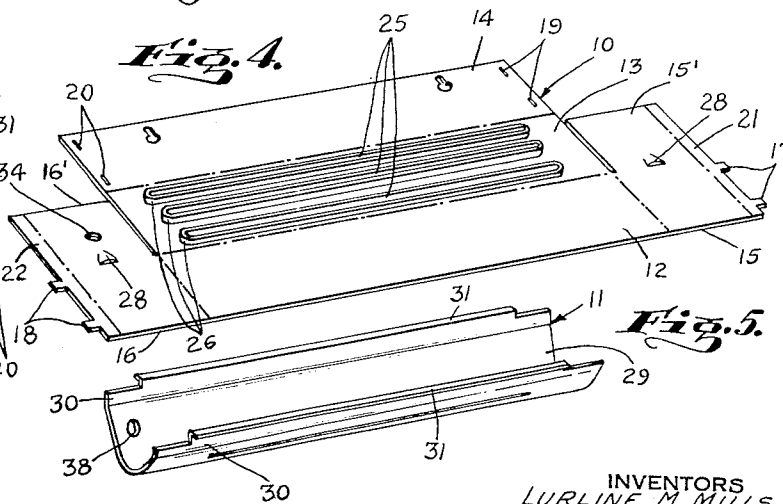


Fig. 5.

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BOTTLE OR CONTAINER WARMER

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This invention relates to devices for use in bringing the contents of bottles or containers to a warm temperature, preparatory to the use thereof, for example, in heating liquid shampoos prior to the application to the hair. More particularly, the invention deals with a bottle or container holder of inexpensive construction, wherein the bottles or containers can be displayed and rendered accessible for use.

Still more particularly, the invention deals with a device of the character described having means for circulating heated air through the device in warming the contents of the bottles or containers.

The novel features of the invention will be best understood from the following description, when taken together with the accompanying drawing, in which certain embodiments of the invention are disclosed and, in which, the separate parts are designated by suitable reference characters in each of the views and, in which:

Fig. 1 is a perspective view of a device made according to our invention, diagrammatically illustrating the method of its use.

Fig. 2 is a longitudinal section through the device, as shown in Fig. 1.

Fig. 3 is a section on the line 3—3 of Fig. 2.

Fig. 4 is a perspective view of one part of the device in its extended or flat condition; and

Fig. 5 is a perspective view of another part of the device.

In practice, we provide a casing or holder formed from two sheet metal parts 10 and 11 shown in perspective in Figs. 4 and 5 of the drawing. The part 10 comprises a front wall 12, a bottom wall 13 and a back wall 14, these walls being foldable with respect to each other so as to bring the front and back walls in parallel relationship to each other, as seen in Fig. 1 of the drawing. Foldable with respect to the front wall are end wall parts 15 and 16, these parts including downwardly extending leg portions 15', 16'.

The walls 15 and 16 have outwardly extending lugs 17 and 18 which are adapted to pass through apertures 19 and 20, respectively, at end portions of the back wall 14 in supporting the various walls of the casing part 10 in assembled relationship, as shown in Figs. 1 and 2 of the drawing. The lugs 17 and 18 constitute part of foldable flanges 21 and 22, which are arranged upon the rear surface of the back wall 11, as clearly noted in Fig. 1, the lugs 17 and 18 passing forwardly through the back wall and being peened-over, as illustrated in Fig. 1, in securing the walls in assembled relationship.

The back wall 14 also preferably employs spaced key-hole apertures 23 to facilitate hanging of the device upon a wall or other support. In this connection, it will also appear that the lower ends of the legs 15', 16' include rubber feet or facing strips 24 to prevent marring of a table or other support, when the device is arranged thereon.

The bottom wall is stamped out to form three longitudinal vent passages 25 which extend the major portion

of the length of said bottom wall, the vents being bordered by upstanding flanges 26, so that bottles or other containers arranged upon the bottom wall will be supported above the wall proper and heated air will have direct contact with the bottles or other containers and it will also circulate around the same, as will be apparent.

In Figs. 1 and 3 of the drawing, we have diagrammatically indicated in dot and dash lines the arrangement of a few bottles 27 in the device and supported on the flanges 26 of the bottom wall. The end walls 15, 15', 16, 16' include inwardly extending portions 28 which form seats for the bottom wall 13 supporting the same in horizontal position within said end wall.

The part 11 of the casing comprises an elongated curved hood 29, the side edge portions of which terminate in substantially straight parallel portions 30, the latter having outwardly extending flanges 31 for the major portion of the length thereof. The flanges 31 are of such length as to fit snugly, but freely, within the outer vent apertures 25, that is to say, the vent apertures nearest the front and rear walls of the container and the flanges 31 rest upon outer flanges 26 of said apertures, as is clearly illustrated in Fig. 3 of the drawing.

The leg 16' has an aperture 32 for the mounting of an electrical switch 33, the switch being coupled with a bracket portion 34 which supports a socket 35, note Fig. 2. Detachable with the socket 35 is an elongated tubular electric light 36 which extends the major portion of the length of a heater chamber 37 formed by the hood 29. The hood 29 has, at one end, adjacent the socket 35, an aperture 38, in which a grommet 39 is mounted for passage of the electric circuit wires 40 from a source of electric supply to the socket 35 and switch 33. The wires 40 have, at one end, a plug 41 for coupling with a standard electric socket, the plug being diagrammatically shown in Fig. 1 of the drawing.

The hood 29 has two longitudinal apertures 42 which extend the major portion of the length of the hood and the apertures will aid in providing circulation of air through the chamber 37 and the vent apertures 25 in heating bottles or other containers disposed on the flanges 26.

In beauty parlors, barber shops and similar establishments, where various types and kinds of liquids, lotions, ointments and the like are applied to the body of the person, quite often these ointments are cool, which results in a shock to the person in the process of applying the same to the body. The purpose of our invention is to provide means for heating products of this type and kind prior to the use thereof, so as to eliminate the shock occasioned by an application of a cool liquid, lotion, ointment or the like. Devices of the kind under consideration would also be practical for use in other establishments where fluids, ointments and the like are applied to the body in massage and, further, would find practical uses in any instance, where it is desirable to bring containers of products of different types and kinds to a warm temperature, preparatory to the use thereof.

It will also be understood that the flanges 26, in addition to supporting bottles or other containers in raised position with respect to the bottom wall of the casing, also form, on the bottom wall around the raised flanges, a trough for collection of moisture or other fluid material which may displace itself from the containers, particularly in the use thereof.

It will also be apparent that the side portions of the hood 29 are free to spring inwardly so that the flanges 31 can be moved into alignment with the outer apertures 25 in detaching the hood in the operation of inserting a bulb 36 or in replacing this bulb. The natural contour of the hood will provide outward springing of the sides

into the position shown in Fig. 3, when the hood is reassembled with the casing.

Having fully described our invention, what we claim as new and desire to secure by Letters Patent is:

1. A device of the character described, comprising a two-part casing, one part comprising integrally united and foldably related front, back, bottom and end walls, said end walls having integral depending extensions forming leg members, means foldable with respect to said end wall for coupling the end walls with the back wall in forming an elongated casing, said bottom wall having a plurality of elongated vent apertures extending the major portion of the length of said bottom wall, the other part of the casing comprising an elongated transversely curved hood, said hood having side flanges for detachable coupling with apertured portions of the bottom wall of said casing, said hood forming, at the bottom wall of the casing, an elongated heater chamber, said hood having apertures for circulation of air into the chamber and for passage through the apertures into and through the casing, and said leg members having means engaging the bottom wall of the casing to check downward movement of said bottom wall.

2. A device of the character described, comprising a two-part casing, one part comprising integrally united and foldably related front, back, bottom and end walls, said end walls having integral depending extensions forming leg members, means foldable with respect to said end wall for coupling the end walls with the back wall in forming an elongated casing, said bottom wall having a plurality of elongated vent apertures extending the major portion of the length of said bottom wall, the other part of the casing comprising an elongated transversely curved hood, said hood having side flanges for detachable coupling with apertured portions of the bottom wall of said casing, said hood forming, at the bottom wall of the casing, an elongated heater chamber, said hood having apertures for circulation of air into the chamber and for passage through the apertures into and through the casing, said leg members having means engaging the bottom wall of the casing to check downward movement of said bottom wall, and means on one leg member for supporting an electric bulb socket in the chamber of said hood.

3. A device of the character described, comprising a two-part casing, one part comprising integrally united and foldably related front, back, bottom and end walls, said end walls having integral depending extensions forming leg members, means foldable with respect to said end

wall for coupling the end walls with the back wall in forming an elongated casing, said bottom wall having a plurality of elongated vent apertures extending the major portion of the length of said bottom wall, the other part of the casing comprising an elongated transversely curved hook, said hood having side flanges for detachable coupling with apertured portions of the bottom wall of said casing, said hood forming, at the bottom wall of the casing, an elongated heater chamber, said hood having apertures for circulation of air into the chamber and for passage through the apertures into and through the casing, said leg members having means engaging the bottom wall of the casing to check downward movement of said bottom wall, means on one leg member for supporting an electric bulb socket in the chamber of said hood, and said last named means including a switch arranged outwardly of said leg member.

4. A device of the character described, comprising a two-part casing, one part comprising integrally united and foldably related front, back, bottom and end walls, said end walls having integral depending extensions forming leg members, means foldable with respect to said end wall for coupling the end walls with the back wall in forming an elongated casing, said bottom wall having a plurality of elongated vent apertures extending the major portion of the length of said bottom wall, the other part of the casing comprising an elongated transversely curved hood, said hood having side flanges for detachable coupling with apertured portions of the bottom wall of said casing, said hood forming, at the bottom wall of the casing, an elongated heater chamber, said hood having apertures for circulation of air into the chamber and for passage through the apertures into and through the casing, said leg members having means engaging the bottom wall of the casing to check downward movement of said bottom wall, and the bottom wall, at sides of said apertures, having upwardly extending elongated flanges for supporting articles in the casing in raised position with respect to the bottom wall.

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