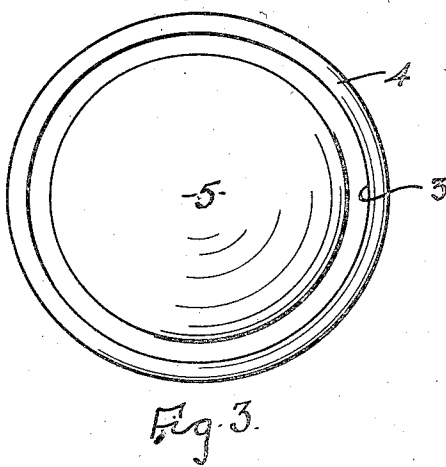
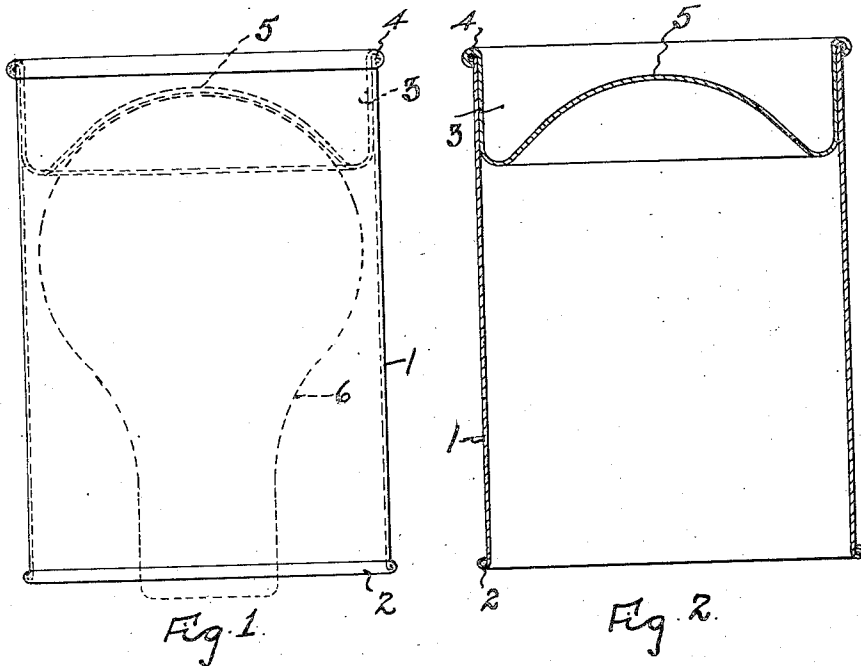


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P. R. FORTIN  
VAPORIZING DEVICE  
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## UNITED STATES PATENT OFFICE

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## VAPORIZING DEVICE

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5 Claims. (Cl. 219—45)

This invention relates to improvements in vaporizing devices of the type employed for vaporizing medicinal, insecticide, and similar substances.

An important object of this invention is to provide in an exceedingly simple form a device adapted to be heated by an ordinary electric lamp bulb for the purpose of vaporizing and distributing material such as an inhalant used in the treatment of colds contained therein.

This and many other objects of this invention will become apparent from the following detailed description when taken in connection with the attached drawing.

This invention resides substantially in the combination, construction, arrangement and relative location of parts, all as will be set forth in full detail below.

In the drawing,

Figure 1 is a side elevational view of one form of device in accordance with this invention;

Figure 2 is a longitudinal, central, cross-sectional view thereof; and

Figure 3 is a top plan view thereof.

The device as illustrated consists of a cylindrical tube 1, which may be either formed up from the complete sheet of some suitable metal such as aluminum, copper, brass, and the like, and seamed to form a continuous tube, or may be a metal drawn seamless tube. The lower edge is rolled or beaded as shown at 2 to form a finished projecting edge. At 3 is a cup shaped member which may be spun, drawn, or otherwise formed to nest snugly in the upper end of the tube. This cup shaped member is beaded over the edge of the tube to form a double seam, as indicated at 4, or may be attached thereto in any suitable way. For example, the rim of the cup may be beaded over similar to bead 2, the cup slid into the end of the tube until its end edge strikes the bead, and then set or otherwise secured in place. As shown, the central portion 5 of the base of the cup is raised so that it will have a contour which adapts it to rest upon the end of an electric light bulb which has been shown in outline at 6.

The inside diameter of the tube 1 is such that it will just fit over the usual electric lamp bulb so as to rest on the top thereof, as is clear from Figure 1. The medicine, insecticide or germicide is placed in the cup 3 in a sufficient quantity for the intended purpose, and the light bulb is turned on. The heat generated by the bulb is conducted to the metal cup 3 through the walls of the tube and the cup, or radiated directly there-

to. The result is that the substance in the cup is sufficiently heated to cause it to vaporize and pass off into the atmosphere. When such a device is used for vaporizing inhalants in the treatment of colds, the material is slowly vaporized and diffused throughout the room or space containing it, so that persons therein breathing the air will find relief. In addition a device of this type is particularly adapted for use in a sick room where it acts as a shield for the light bulb, and yet allows the diffusion of sufficient light from around the base of the tube to permit one to readily, and yet without discomfort, move about in the room.

It is of course apparent to those skilled in the art that the entire structure may be drawn or formed from a single piece of metal, so that the end closure member is integral with the tubular portion.

From the above description it will be apparent that the exact form of structure illustrated for the purpose of this disclosure may be adopted by those skilled in the art without departure from the true invention. I do not, therefore, desire to be strictly limited to the disclosure as given for purposes of illustration, but rather to the scope of the appended claims.

What I seek to secure by United States Letters Patent is:

1. A combination as described comprising an electric light bulb, a metal tube surrounding said bulb, a cup-shaped closure member for one end of the tube resting on top of the bulb and adapted to receive a substance to be vaporized, said tube surrounding said bulb to receive heat radiated therefrom and to conduct it to the closure member to facilitate vaporization of its contents.

2. A device as described comprising a metal tube and a cup closing one end of the tube and opening outwardly of the tube, said tube extending a substantial distance below the bottom of the cup, the bottom of the cup being centrally raised to form an annular receptacle around the circumference thereof and to adapt it to rest on the end of an electric light bulb.

3. A device of the type described for use with an electric light bulb comprising a metal tube closed at one end with a closure member in the form of a cup, the tube forming a heat absorbing skirt depending a substantial distance below the bottom of the cup and adapted to closely surround an electric light bulb whereby the skirt prevents tipping of the cup when supported by the bulb.

5 4. A combination comprising an electric light bulb, a metal cup resting on the end of the bulb, and a metal skirt depending from the cup and closely surrounding the bulb whereby the skirt receives heat from the bulb by direct radiation and cooperates with the bulb to prevent tipping of the cup, the length of the skirt with respect to the bulb being such that light from the bulb is partially shielded.

5 5. A combination comprising an electric light bulb having a hemispherical end, a metal cup having a dished bottom adapted to rest on the end of the bulb, and a metal skirt extending downwardly from the cup for a distance so as to substantially enclose the bulb, whereby the skirt is heated by direct radiation from the bulb.

PAUL R. FORTIN.