Jan. 10, 1939. W. J. McGARY 2,143,246

VAPORIZER

Filed July 21, 1937

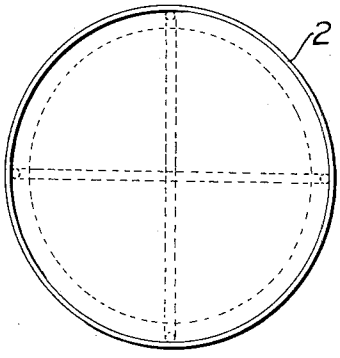

Fig. 2

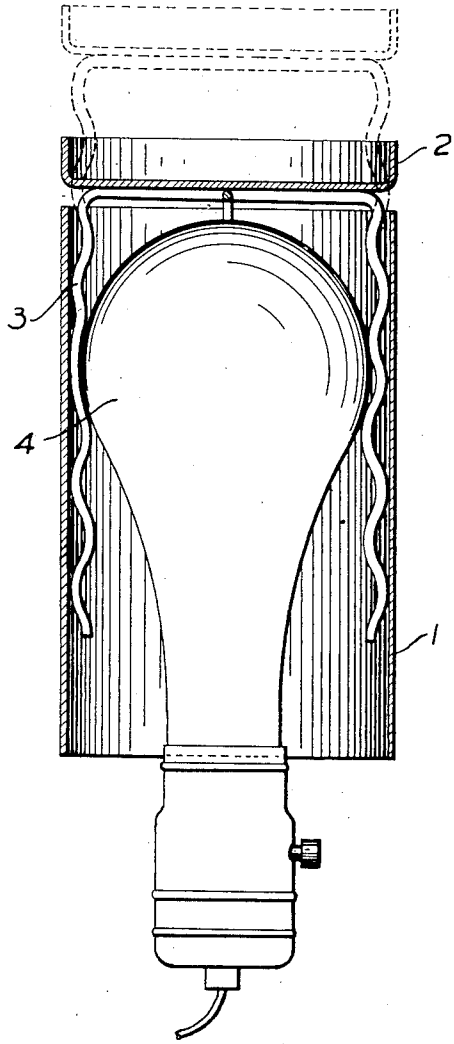

Fig. 1

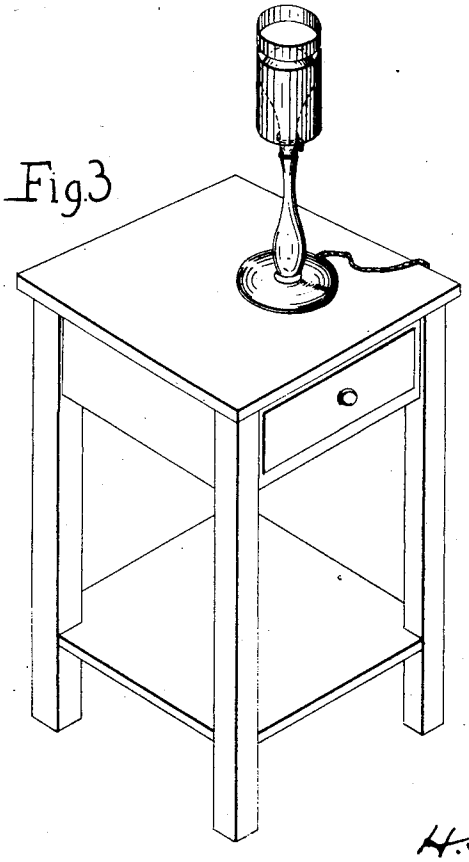

Fig. 3

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Patented Jan. 10, 1939

2,143,246

UNITED STATES PATENT OFFICE

2,143,246

VAPORIZER

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Application July 21, 1937, Serial No. 154,848

1 Claim. (Cl. 219—45)

This invention relates primarily to a vaporizer, medicator and deodorizer in which certain liquids or crystals may be vaporized by the application of heat as herein described.

An object of this invention is to provide a device, preferably of fire proof construction, which can be used in conjunction with an ordinary incandescent electric lamp and in turn be attached to some electric fixture providing the device can be maintained in an approximate vertical position.

A further object is to provide a device in which there are adjustable features whereby the rate of vaporization of the substance can be controlled by the rate of heat transferred to the container mounted above the source of heat.

With these and incidental objects in view, the invention consists of certain novel features of construction and combination of parts, the essential elements of which are set forth in the appended claim and a preferred form or embodiment of which is hereafter described with reference to the drawing which accompanies and forms a part of this specification.

Of said drawing:

Fig. 1 is a sectional view of the device embodying the invention showing the metal pan in a plurality of positions.

Fig. 2 is a top view thereof.

Fig. 3 is a prospective view showing the device in position on an incandescent electric lamp installed in a portable table lamp.

General description

My apparatus consists generally of a metal sleeve open at each end. Above this sleeve is mounted a metal pan into which is deposited the substance to be vaporized. To the bottom of this pan are fastened four metal crimped rods. These rods support the pan and are provided with sufficient tension, thus enabling them to press firmly against the inside surface of the metal sleeve and permit the adjusting of the pan to a plurality of positions. An incandescent electric lamp is inserted into the other open end of the metal sleeve. This lamp is held in position between the indentations in the metal rods. As can be readily seen, the adjusting of the device consists principally in the moving of the pan upwards and at the same time the moving of the lamp down to another position between the indentations of the rods fastened to the pan.

With this arrangement it is possible to adjust the rate of flow of air through the sleeve and this controls the rate of vaporization of the solution in the pan.

This device can be placed on any electric lamp or fixture providing it can be maintained in an approximate vertical position. It will also be noted that should the electric fixture not exactly maintain the lamp in a vertical position the device can be adjusted on the lamp through a series of positions so as to bring the device to a vertical position.

A detailed description of one form of the device to accomplish the above mentioned objects and functions follows:

Detail description

A metal sleeve 1 (Fig. 1) is provided with both ends open. A metal pan 2 (Fig. 1) is provided to which are attached four metal crimped rods 3, (Fig. 1). This pan 2 is mounted above sleeve 1 by means of metal rods 3 which are inserted into sleeve 1 and press against the inside of sleeve 1, due to tention provided in them. An electric incandescent lamp 4, (Fig. 1) is inserted into the bottom of sleeve 1 and held in position between the indentations of the rods 3. The pan 2 can be adjusted to a plurality of positions as shown in Fig. 1. The device can be installed on an electric fixture as illustrated in Fig. 3.

Having thus described my invention, what I claim is:

In a vaporizer of the class described having in combination an incandescent electric lamp, a metal sleeve, open at both ends, encasing said lamp and a metal pan mounted above said sleeve and means for adjusting said pan to a plurality of positions, said means consisting of metal, crimped rods fastened to said pan, clamping said incandescent lamp between indentations on said rods, and said rods pressing against the inside surface of said sleeve.

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