Aug. 23, 1927. 1,640,272

W. E. GOTHAM

EVAPORABLE DEVICE

Filed June 1, 1926

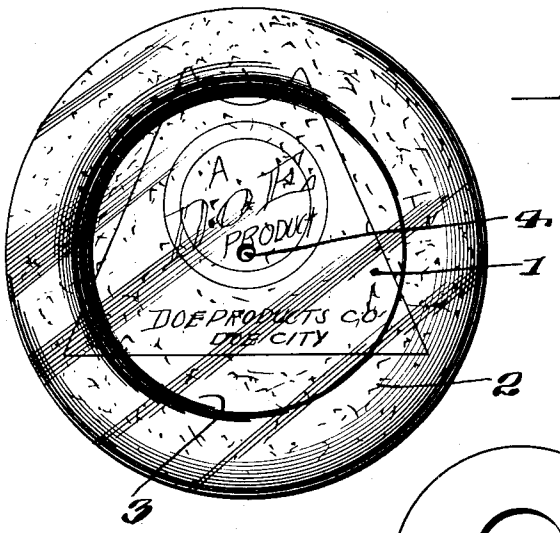
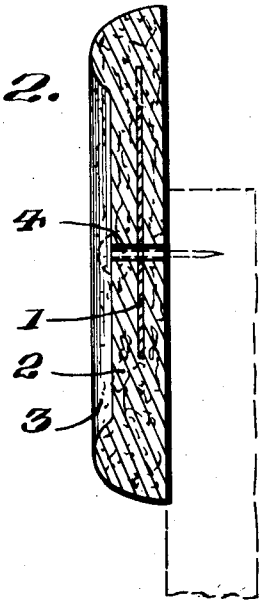


Fig. 1.

Fig. 2.



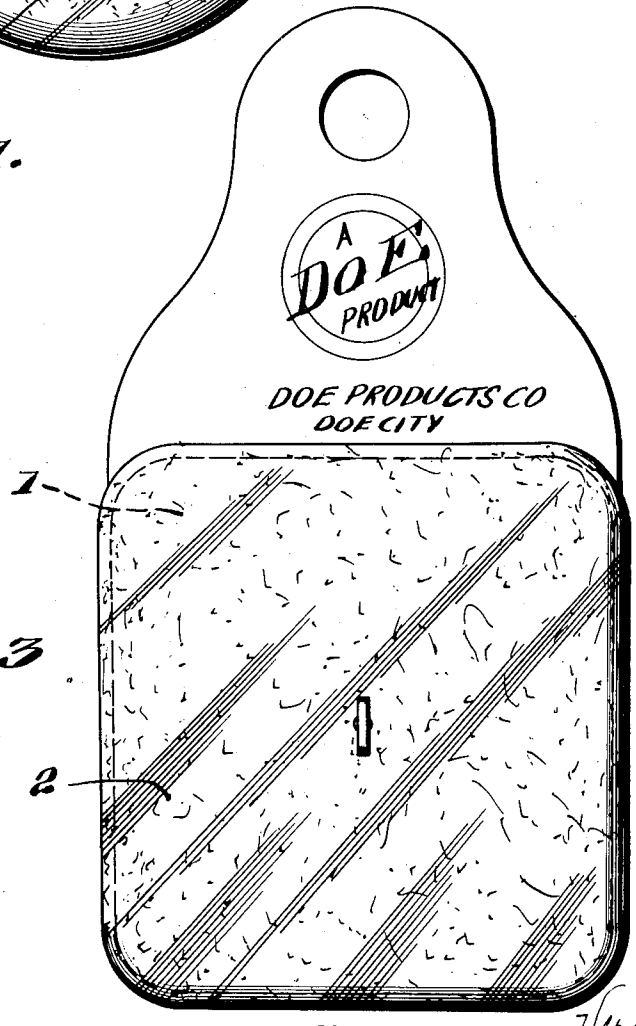


Fig. 3

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UNITED STATES PATENT OFFICE.

WALTER E. GOTHAM, OF ELIZABETH, NEW JERSEY.

EVAPORABLE DEVICE.

Application filed June 1, 1926. Serial No. 113,025.

My invention relates to an improvement in evaporable devices.

The object is to provide a device, which the name implies, having the properties of repelling and exterminating moths, other insects and rodents; and of deodorizing, fumigating, scenting or perfuming; and suitable for sanitary, antiseptic, therapeutic, germicidal and/or medicinal purposes.

In the illustrated form, this invention consists mainly of some medium, such as a sheet or sheets of paper, cardboard, wood, fabric, metal, or other material in any form or shape, wholly covered and enclosed, by dipping, saturating, pressing, molding, cementing, or otherwise with a volatile or semivolatile chemical or mixture of a vermin destroying, germicidal, deodorizing, scenting, or insect repelling nature, and/or for medicinal use and purpose.

In the accompanying drawings:—

Fig. 1 is a view showing one form this invention may take;

Fig. 2 is a sectional view drawn longitudinally through the center of Fig. 1; and

Fig. 3 is a slightly modified form.

The numeral 1 represents a center of material, such as paper, cardboard, wood, fabric, metal or the like, made in any convenient form and thickness, entirely coated on both surfaces, and around the entire edge with the chemical material 2, used in the construction of the device.

The center 1 may bear engraving, printing, advertising matter, or the like, which naturally becomes more and more legible as the surrounding material gradually evaporates.

In its preferred form, as shown in Figs. 1 and 2, the disk has a depression or cavity 3 on one surface and a hole 4 at the center or some other point to receive a tack or fastening means for suspending it on the wall or any other place, as under tables, bureaus, wash-stands, or in any inconspicuous place where such disinfectant is beneficial or needed.

Obviously, the device might be suspended by a string or ribbon, as well as by a tack or nail.

The chemical is preferably of a volatile nature, the ingredients composing it being approximately one hundred percent (100%) active, so they will evaporate readily.

The time of evaporization, hence the active life of the article, is closely controlled in the manufacture, and according to its use and purposes may range from a few days to a year or more.

When used as a moth repellant, the chemical consists chiefly of naphthaline with an active exposed surface equalling about fourteen (14) moth balls, more or less, of the chemical size and type, while its exposed volume is still greater. In other words, when as much as ninety percent (90%) of the adherent chemical is exhausted, it still presents the same surface as the approximately fourteen (14) moth balls, hence there is practically no diminution in the activity during its entire life.

A device of this character is easier to handle than either napthaline balls or flakes and being hardly more expensive, there being no appreciable waste.

A device of this character is cleanly and easily adapted to the uses for which it is intended. In the forms illustrated, it is flat and can be easily inserted in the pockets of a garment, between layers of material, in bureau drawers, or hung in closets, bath rooms, or elsewhere, or placed in a container or frame.

A disk of the above nature will furnish the public with economical and harmless means of using such powerful antiseptics as for instance coal tar acids, such as phenols or creosote, for the purpose of disinfecting and especially purifying the air where needed in the home, factory, or public places, generally, without the danger and inconvenience ordinarily attending the use of such highly corrosive chemicals.

I claim:

A disinfectant pad comprising a center strip of non-evaporative material entirely coated and enclosed on its sides and edges with a composition capable of slowly volatilizing to give off an antiseptic and disinfectant effluvia, said pad having a hole entirely through a portion of the non-evaporative material and volatile composition for receiving supporting means.

In testimony whereof I affix my signature.

WALTER E. GOTHAM.