Dec. 1, 1931. E. J. REEFER 1,834,738

MOTH PREVENTIVE AND DEODORIZER

Filed Oct. 30, 1929

Fig. 1.

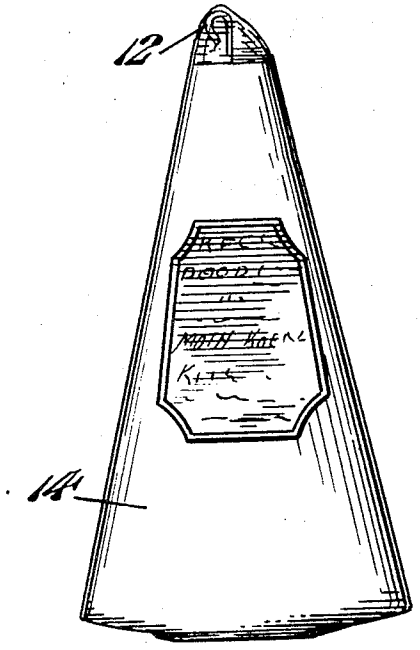


Fig. 2.

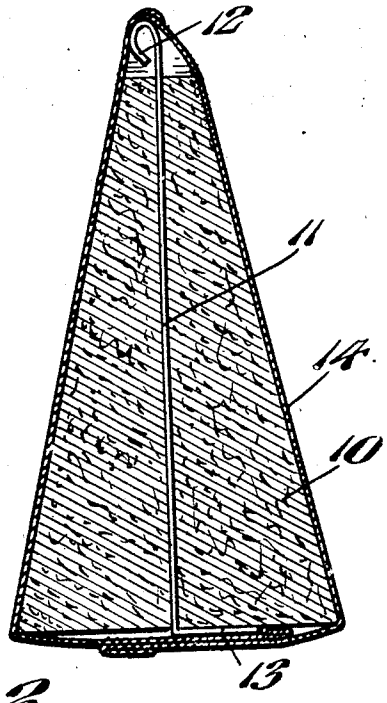
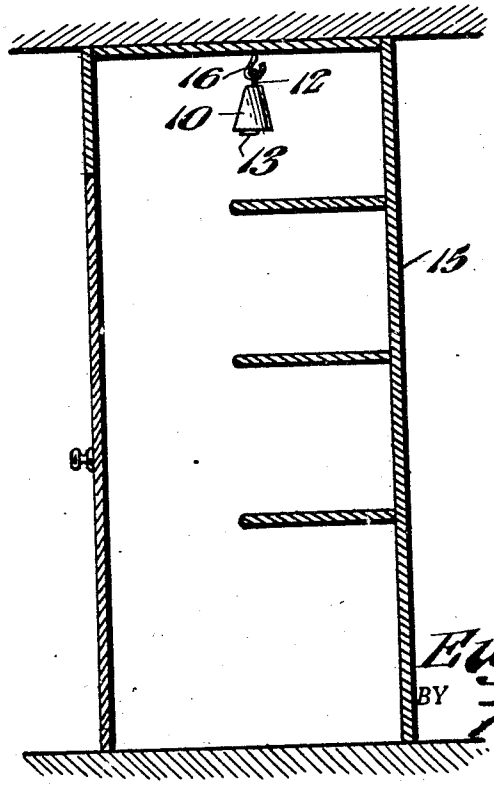


Fig. 3.



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Patented Dec. 1, 1931 1,834,738

UNITED STATES PATENT OFFICE

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MOTH PREVENTIVE AND DEODORIZER

Application filed October 30, 1929. Serial No. 403,427.

This invention, generally stated, relates to a moth preventive and deodorizer and has more especial relation to a novel means by which the same may be suspended, and further relates to a novel wrapper therefor.

One object of the present invention is to provide a solidified, molded article of the character stated of cone, ball, or cube shape and made of suitable material for moth prevention and at the same time serving as a deodorizer, which article has extended entirely therethrough a supporting hook whereby the article may be suspended without danger of the article falling from its support because of gradual wasting away of the crystalline substance making up the article.

A further object is to provide a novel, cheap, and simple suspension arrangement for so-called moth preventive and deodorizer which consists in taking a single piece of wire, molding the crystalline substance thereabout, and bending over each protruding end of the wire to form at the article top a hook, and to form at the bottom a relatively elongated part for article support.

A further object of the present invention is to provide a novel, transparent wrapper for enclosing the article for sales purposes to present a good appearance and to prevent waste of the article through being subjected to the atmospheric air.

With these and other objects in view, the invention consists of the novel construction hereinafter described and finally claimed.

The nature, characteristic features and scope of the invention will be more fully understood from the following description taken in connection with the accompanying drawings forming part hereof, and in which:

Fig. 1 is a view in elevation of moth preventing and deodorizing article arranged ready for sales purposes.

Fig. 2 is a central sectional view thereof; and

Fig. 3 is a view of a closet illustrating an article embodying the invention suspended therein, it being of course understood that the transparent paper covering is now removed.

For the purpose of illustrating my invention I have shown in the accompanying drawings one form thereof which is at present preferred by me, since the same has been found in practice to give satisfactory and reliable results, although it is to be understood that the various instrumentalities of which my invention consists can be variously arranged and organized and that my invention is not limited to the precise arrangement and organization of the instrumentalities as herein shown and described.

Referring to the drawings in detail, the reference numeral 10 designates a solidified, molded article of crystalline-like consistency and designed for moth prevention and deodorizing purposes. This article may be of conical shape as shown in the drawings, or may be in the shape of a ball or cube without departing from the spirit of the invention. Extended entirely through the article and projected from top and bottom thereof is a supporting member, usually wire 11. In practice the crystalline substance of the article is molded around the wire 11, thus making a very simple and cheap arrangement of parts. The top of the wire 11 is bent hook-fashion as at 12 for suspension purposes, and the bottom of the wire, which is relatively elongated, is extended in parallelism with the base of the article 10 as at 13, best seen in Fig. 2. Thus, the wire embedded in the article is substantially L-shaped with a hook at its top. For sales purposes, with the end in view of presenting a good appearance, and at the same time preventing atmospheric air attacking the article itself, I provide a transparent paper cover 14, which completely envelops the article including the hook 12 and part 13. The purchaser removes the paper covering and suspends the article in a closet 15 or other desirable place upon a hook 16, by means of the hooked end 12 of wire 11.

While the material of which the cone of the present invention is formed gives excellent results, obviously other ingredients may be employed. However, for illustrative purposes, I have found that a composition having as its base paradichlorbenzine is well

suited to the purpose. Paradichlorbenzine is a by-product that is supplied to manufacturers of moth preventives and used to make up moth repellents in different forms. Paradichlorbenzine is manufactured by a direct chlorination of benzene (coal tar) followed by a separation from its isomers sublimation. Paradichlorbenzine is a colorless crystal of aromatic odor and is distinctly volatile, transforming into a vapor about five times heavier than air, the rate of volatilization increasing with the temperature.

In practice paradichlorbenzine liquid is poured into a mould immediately after which a wire is placed in the mould and is held in proper position as previously described when the liquid solidifies. The wire employed is technically termed eighteen gage stove wire.

What I claim is:

1. A device of the character stated comprising a solidified article of crystalline-like substance serving as a moth preventive and deodorizes, said article having extended entirely therethrough a metallic member the upper terminus of which is disposed in substantial alignment with the vertical axis of said member and is bent over hook-fashion and the bottom terminus of which is turned back substantially in parallelism with the base of the article, upon which the base of the article abuts solely within the confines of the base line to provide a support.

2. A device of the character stated comprising a solidified conical-shaped article of crystalline-like substance serving as a moth preventive and deodorizer, said article having extended entirely therethrough a wire, the upper terminus of which is disposed in substantial alignment with the vertical axis of said wire and is bent over hook-fashion and the bottom terminus of which is turned back in parallelism with the base of the article, upon which the base of the article abuts solely within the confines of the base line to provide a support.

3. A device of the character stated comprising a solidified article of crystalline-like substance serving as a moth preventive and deodorizer, said article having extended entirely therethrough a metallic member the upper terminus of which is disposed in substantial alignment with the vertical axis of said member and is bent over hook-fashion and the bottom terminus of which is turned back substantially in parallelism with the base of the article, upon which the base of the article abuts solely within the confines of the base line to provide a support and an envelope of transparent fibrous material completely covering said article including the projected portions of said metallic member.

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