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MOTH BALL CONTAINER AND GARMENT HANGER COMBINED

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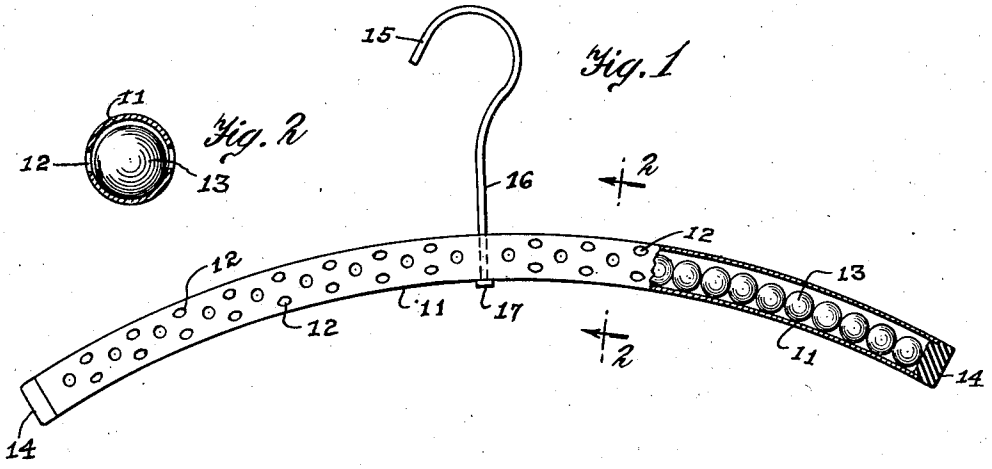


Fig. 1

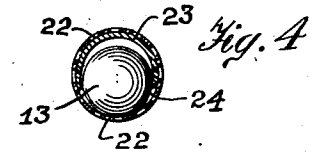


Fig. 2

Fig. 3

Fig. 4

Fig. 5

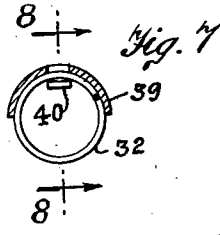


Fig. 7

Fig. 6

Fig. 8

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MOTH BALL CONTAINER AND GARMENT HANGER COMBINED

Abraham Rosenberg, Brooklyn, N. Y.

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3 Claims. (Cl. 223—64)

My invention relates to improvements in moth ball containers and garment hangers combined, and it consists in the novel features which are hereinafter described.

One of the objects of my invention is to provide a perfected moth ball container which may also be used as a garment hanger.

Another object of my invention is to have my improved moth ball container and garment hanger combined provided with a means for retaining the moth balls until the latter are reduced by evaporation to a very small size.

A further object of my invention is to have my moth ball container and garment hanger combined compact, simple, durable and inexpensive.

Other objects and advantages will hereinafter appear.

I attain these objects by the moth ball container and garment hanger combined, three forms of which are illustrated in the accompanying drawing, or by any mechanical equivalent or obvious modification of the same.

In the drawing Fig. 1 is a view partly in front elevation and partly in central longitudinal section of one form of my moth ball container and garment hanger combined; and Fig. 2 is a section on the line 2—2 of Fig. 1, looking in the direction of the arrows.

Fig. 3 is a view partly in elevation and partly in longitudinal section of another form of my moth ball container and garment hanger combined; Fig. 4 is a cross section on the line 4—4 of Fig. 3, looking in the direction of the arrows, and Fig. 5 is a cross-section on the line 5—5 of Fig. 3, looking in the direction of the arrows.

Fig. 6 is a view partly in elevation and partly in section of a still other form of my moth ball container and garment hanger combined; and Fig. 7 is a section on the line 7—7 of Fig. 6, looking in the direction of the arrows; Fig. 8 is a section on the line 8—8 of Fig. 7, also looking in the direction of the arrows.

Like numerals refer to like parts throughout the several views:

11 designates the body of the moth ball container and garment hanger in the form of my invention which is shown in Fig. 1; the body 11 is shown as hollow and having therein apertures 12, which are too small to permit any moth balls to pass therethrough even after the moth balls are very much reduced in size by evaporation. The body 11 is shown as open at both ends, and the moth balls 13 which are contained in the interior thereof, are kept from falling out of the said interior by means of end plugs 14, which may preferably be made of rubber and are initially larger in diameter than the interior of the body 11 and compressed to fit thereinto, whereby the plugs 14 may be retained by resilience in their positions in the ends of said body 11 after being inserted thereinto.

The body 11 is shown in Fig. 1 as provided with a hook 15 for suspending the same from a suitable support.

The hook 15 has thereon a stem 16 which passes at the lower end thereof through the body 11 and terminates thereunder in a head 17. The stem 16 may also be upset at the part thereof which is adjacent the top part of the body 11, if desired, to prevent relative motion therebetween.

The stem 16 may also be shrunk into the shell of the body 11, if desired.

The operation or way of assembling my moth ball container and garment hanger combined in the form of my invention, which is shown in Figs. 1 and 2, is evident from the drawing.

The moth balls 13 in the interior of the body 11 may be replaced by other moth balls by removing one of the plugs 14 from the end of the body 11 and then reinserting it again into the said end of the body 11.

It will be understood that the size, number and shape of the apertures 12 may be varied at will; also that the plugs 14 may be of a material other than rubber and secured to the ends of the body 11 in a different way than as shown in the drawing.

In the form of my moth ball container and garment hanger combined, which is shown in Figs. 3, 4 and 5, the body 21—23 of the hanger-container has no apertures but is provided with longitudinal openings 24 at the lower part thereof; the periphery of the body 21—23 is circular in cross-section at the middle part of the body and near the ends thereof, as shown in Fig. 5; intermediate of each end and of the middle part of the body the periphery of the body is arcuate in cross-section as shown in Fig. 4.

The openings 24 are not wide enough to permit any full size moth balls to fall out therethrough; to prevent any moth balls when reduced in size by evaporation from falling out of the hanger container through the openings 24 thereof, I provide a foraminous jacket 22, which is shown as enveloping the body 21—23.

The jacket 22 may be made of cheese cloth, wire screen or of any other foraminous fabric or material.

My moth ball container and garment hanger, which is shown in Fig. 3, is provided at the ends thereof with plugs 14 and has also a hook 15—16—17 connected thereto as in the modification shown in Fig. 1.

In the form of my moth ball container and garment hanger which is shown in Figs. 6, 7 and 8, the body 31—32, the ends 34 and the hook 35—36 are all made of one length of wire. The ends of the wire 37 are joined at the underside of the hanger and form a trousers-support 38.

The ends 37 may be soldered to each other or joined to each other in any other suitable manner.

The wire, of which the hanger container is made, is first doubled up to form the hook 35; then the two sections of the wire are twisted on each other to form the stem 36; then the sections of the wire are formed into two branches consisting of helical coils 31 and 32; the coil convolutions are then progressively reduced in diameter to form the ends 34 of the two branches of the container; the ends of the wire 37 are then bent first downwardly and then inwardly; the ends of the wire are then joined to each other by soldering or otherwise to form the trousers support 38.

The moth balls are inserted into the branches of helical coils 31 and 32 through the space 33 which is left between the inner ends of the coil branches 31 and 32 under the stem 36.

To impart rigidity to the structure I provide a saddle 39 of rigid material which is arcuate in cross-section and concave on the underside thereof, as shown in Fig. 7, to fit the outline of the branches of coils 31 and 32.

The saddle 39 is connected to each of the coils 31 and 32 by means of tongues 40, which are slit from the material of the saddle 39 and formed into the shape of stub-bayonnettes.

The saddle 39 is also provided at the middle part thereof with an opening 41 for the hook 35 and stem 36 to pass therethrough when assembling the structure.

The moth balls are omitted in Fig. 6 of the drawing.

Many changes may be made in the details of my moth ball container and hanger combined without departing from the main scope of my invention, and parts of my invention may be used without other parts.

I do not, therefore, restrict myself to the details as shown in the drawing, but I wish to include also all mechanical equivalents and obvious modifications of the same within the scope of my invention.

I claim as my invention and desire to secure by Letters Patent:

1. A moth ball container and garment hanger combined comprising a coiled body adapted to contain moth balls therein, a stiffening means for keeping said body rigid, said body having therein openings between the adjacent coils thereof for diffusing the vapor of the moth balls therethrough, a means on said body integral therewith and continuous with the material of the coils thereof for suspending the same from a suitable support and a means for keeping the moth balls from falling out of the ends of said body, said openings being relatively small, whereby said coils are adapted to retain the remnants of the moth balls after the latter have been much reduced in size by evaporation.

2. The elements of claim 1, said stiffening means comprising a saddle of rigid material and a means for detachably connecting the same to said body, said connecting means comprising tongues slit from the material of the saddle and formed into the shape of stub bayonnettes.

3. The elements of claim 1, said body being formed of a single length of wire and the ends of said wire forming a trousers-support under the said body.

ABRAHAM ROSENBERG.