

March 9, 1926.

A. M. BANK

1,576,262

INSECTICIDE CONTAINER FOR UPHOLSTERED FURNITURE

Filed Dec. 26, 1924

2 Sheets-Sheet 1

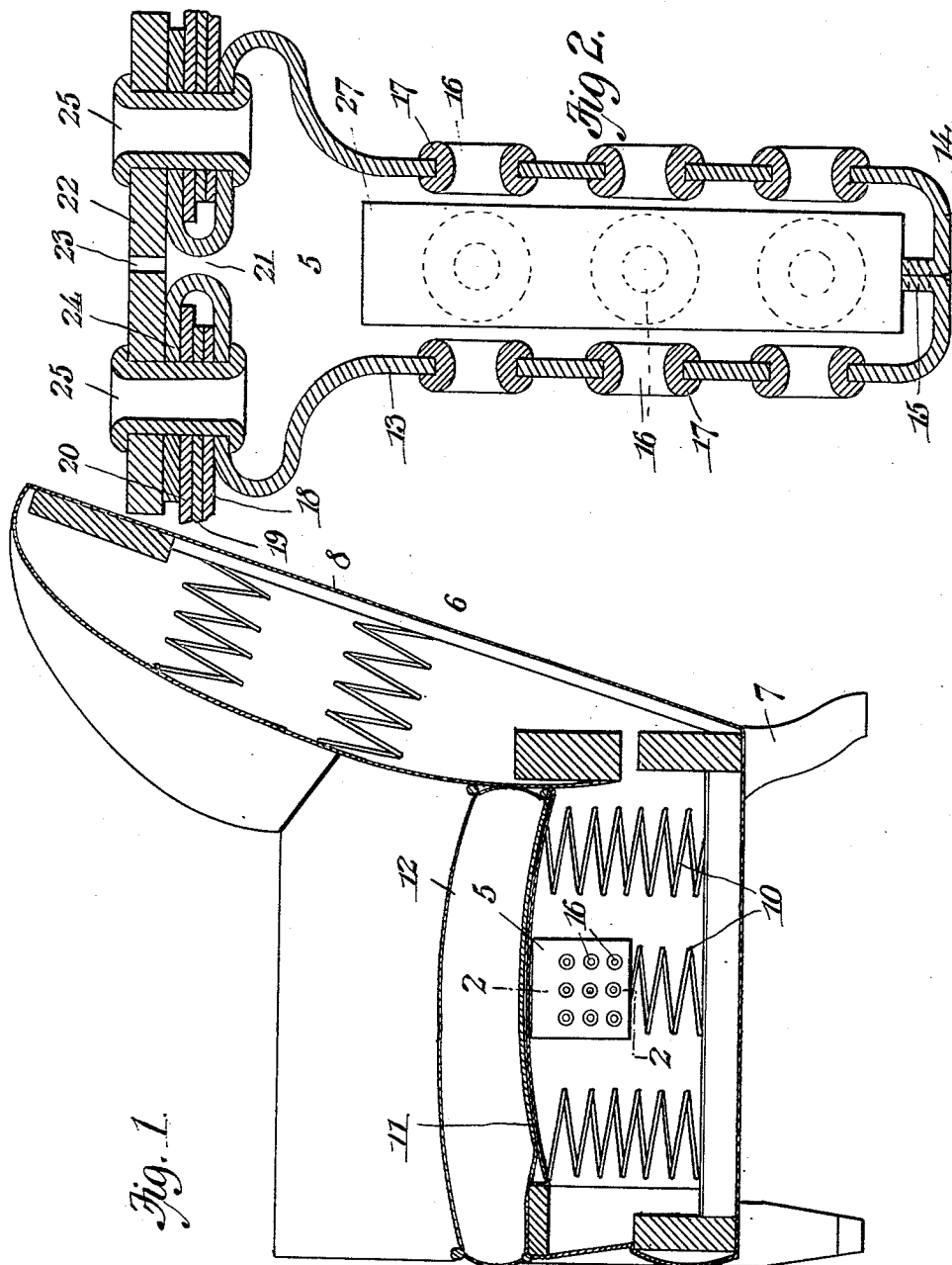


Fig. 1.

Fig. 2.

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Fig. 4.

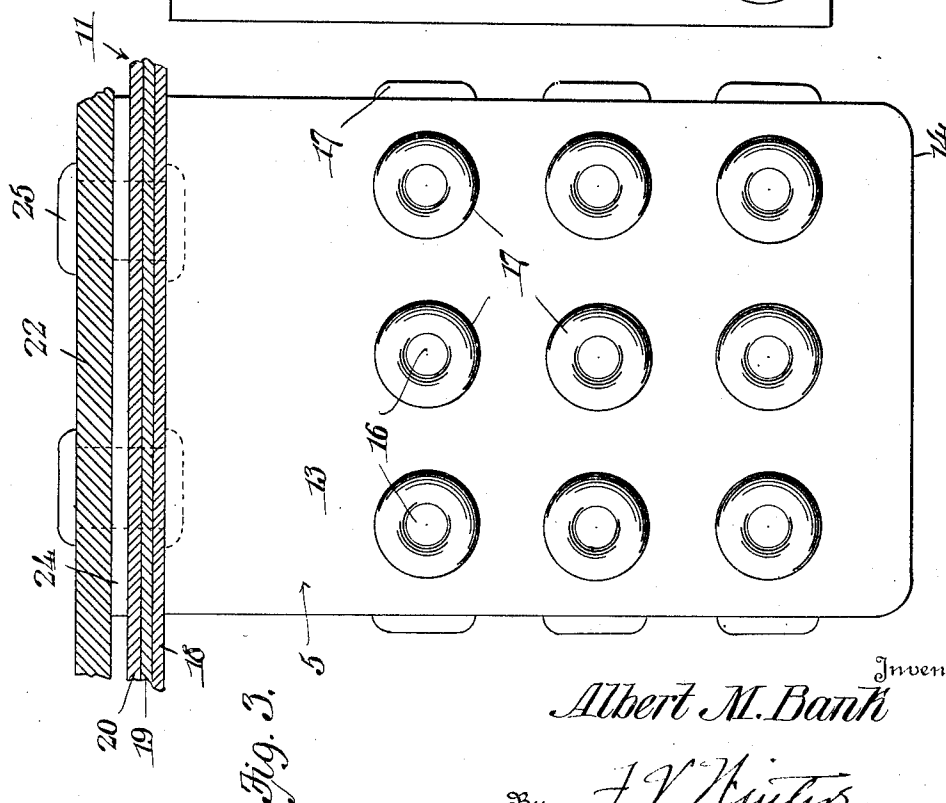
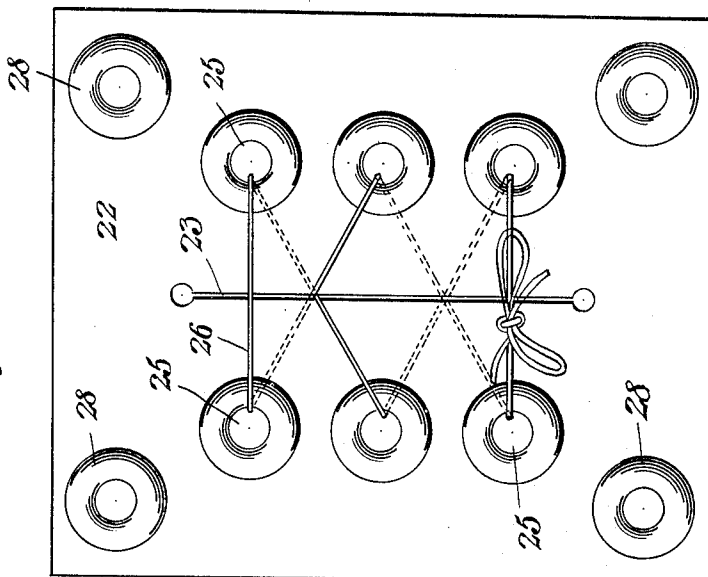


Fig. 3.

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UNITED STATES PATENT OFFICE.

ALBERT M. BANK, OF JERSEY CITY, NEW JERSEY.

INSECTICIDE CONTAINER FOR UPHOLSTERED FURNITURE.

Application filed December 28, 1924. Serial No. 758,178.

To all whom it may concern:

Be it known that I, ALBERT M. BANK, a citizen of the United States, residing at Jersey City, New Jersey, have invented certain new and useful Improvements in Insecticide Containers for Upholstered Furniture, of which the following is a specification.

This invention relates to vermin repelling means for use in connection particularly with furniture, the primary object of the invention being to provide means whereby an insecticide or vermin repellent may be housed within the article of furniture in such way as to be obscured from view and not to interfere with any of the operative parts of the furniture, and yet which will permit of fumes passing therefrom throughout the article of furniture so as to repel vermin and prevent their lodging upon or gaining access to the interior of the article of furniture.

A further object of the invention is to provide a device of this character which may be readily applied to the article of furniture in such way as not to be destroyed, impaired or rendered ineffective by the article of furniture or any of the parts thereof.

A still further object is to provide a device of the character and for the purposes stated which may be applied or affixed to the article of furniture either during the construction of the latter or after the same has been completed, and which is assembled within the furniture in such way as to permit ready access to be had to the vermin repellent holder for the purposes of supplying the proper vermifuge or insecticide thereto.

With these objects in view, together with others which will appear as the description proceeds, the invention consists in the novel construction, combination and arrangement of parts, all as will be described more fully hereinafter, illustrated in the drawing, and particularly pointed out in the claims.

Referring now to the drawing:

Fig. 1 is a vertical transverse sectional view taken through an article of stuffed furniture of familiar construction, and showing a vermifuge holder in accordance with my invention applied thereto,

Fig. 2 is a sectional view taken substantially upon line 2—2 of Fig. 1, and showing

the improved holder on an enlarged scale.

Fig. 3 is a fragmentary view illustrating the holder in side elevation, and

Fig. 4 is a top plan view showing the manner of applying the holder and the means employed for closing the same.

The objects as set forth are accomplished by means of a structure hereinafter specifically defined, and it may be here stated that vermifuge is especially desirable in articles of stuffed and overstuffed furniture, such as couches, chairs, sofas, divans, etc. The holder of my invention is incorporated within furniture of this character in such manner as to be free of engagement with any of the compressible or flexible parts thereof so that danger of rupture of the holder or interference with any of the aforesaid parts of the furniture is obviated, while, at the same time, the fumes from this holder are free to pass therefrom, to permeate all parts of the article of furniture, and to gain access to even the more remote parts of the article, such as in the backs and arms of the article of furniture.

In accomplishing the object set forth, a container represented generally at 5 is applied to the article of furniture represented generally at 6. The latter is of conventional form and familiar type, being supported upon the legs 7 and having a back portion 8 and box 9 within which the supporting springs 10 are confined. The springs rest at their lower ends upon suitable supports such as webbing, and terminate at their upper ends in a common plane and are confined usually by several layers of webbing, stripping or sheets of fabric represented generally at 11 in Fig. 1. The cushion, which is usually stuffed, is represented at 12, and rests upon the upper part of the box formation 9. Variation in the construction of the article of furniture may of course be made, and that herein shown is merely for the purposes of disclosing the construction and application of the improved vermin repellent holder.

The holder 5 may be formed of fabric, leather or thin metal, and comprises a body portion having spaced parallel side walls 13 and a bottom 14; the sides being closed by suitable ends as will be understood. In instances where the container is constructed of fabric, leather or other similar flexible material, the bottom portion will be provided

with upstanding edges 15 stitched or in other ways suitably connected together, as shown in Fig. 2. The upper edges of the sides 13 are free, and are adapted to be secured either to the under surface of the element 11 of the furniture or interengaged with the several layers thereof.

The sides and ends of the container are perforated as at 16, to permit of fumes within the holder passing outwardly therefrom, and these openings may be reinforced at their edges by rings or grommets 17.

In the present instance, the element 11 is shown as comprising three thicknesses of fabric. The lowermost thickness is usually constructed of tough material such as canvas and is indicated at 18, while the layer directly thereover, 19, may be formed of suitable upholstery material, and superimposed above the layer 19 is a fabric 20. In applying the holder of my invention to the furniture box thus constructed, the upper ends of the side portions of the holder are bent upon themselves so as to engage both beneath and above the layers 18—19—20 above described, and these layers are spaced apart as shown at 21 at a point midway between the side walls 13 of the holder so that access may be had to the interior thereof. A reinforcement of leather or other tough material 22 overlies the holder, and is provided with a slit 23 co-extensive with the length of the holder and directly above the opening 21 of the fabric layers. This reinforcement overlies the upper out-turned edges 24 of the holder, and eyelets 25 passing through the member 22 and edges 24, layers 20—19—18 and the out-turned portion 25 of the side members 13, secure all of these parts firmly together when the upper and lower ends of said eyelets are headed. These eyelets, in addition to providing a passage for fumes from the interior of the holder, afford passages for a lacing string or thong 26 woven across the space between the several eyelets. It will be understood, therefore, that when a body of vermin repellent 27, such as camphor, moth balls, etc., is desired to be placed within the holder, the slit 23 is spread to permit of its insertion. After the insertion has been made, the lacing may be tightened so that the slit is held properly closed. The end portions of the leather reinforcement 22 may be secured to the fabric layers by eyelets 28, as shown in Fig. 4.

In applying the holder to the article of furniture, care is taken to provide the slits at points probably midway between any two adjacent springs or other resilient supporting device within the box, so that depression of the fabric or springs incident to the use of articles of furniture will not cause the holder to come in contact with any of the springs or other yielding points of the fur-

niture structure. As the box structure of furniture of this character is usually hollow, the fumes contained within the holder and emanating therefrom through the various openings provided may have free access to all parts of the box and up the hollow back of the furniture, and will permeate into the fabric of the cushion and crevices therein as well as into the cushions resting upon the element 11 and the stuffed arm and wing portions of the furniture. When the strength of the repellent has become spent, it may readily be replaced, by opening the slit 23 in the manner above described.

Having thus described my invention, I claim:

1. In a device of the character described, the combination with an article of furniture having upholstered portions, and a fabric layer having a slit therein covering said portions adapted to support a removable seat, of a container having an opening and having porous side walls extending into said portions, the edge portions of said container at said opening being secured to the edges of said slit, and closure means for said slit.

2. In a device of the character described, the combination with an upholstered article of furniture having a box formation covered with a fabric layer adapted to support a removable seat, of a container having an opening and having porous side walls extending within the article, the edge portions of said container at said opening engaging with the edge portion of a slit provided in the fabric layer, and a member for releasably closing said slit.

3. In a device of the class described, the combination with an article of furniture having a box formation, of a holder comprising a body portion having parallel porous side walls, the upper edges of said walls being bent upon themselves to engage both beneath and above the top layers of said box formation, said layers being slitted at a point midway between the side walls and a reinforcement coextensive with the length of said holder and having a slit directly above the first-named slit and overlying the bent edges of said side walls.

4. A device of the character described adapted to be installed in an upholstered structure for supporting a removable seat comprising a fabric for covering said structure, and a container having an opening for receiving a volatile insecticide secured to the fabric covering to extend within the structure, the walls of said container being pervious to insecticide vapors, said covering having an opening to permit insertion of the insecticide into the opening of said container.

5. A device of the character described adapted to be incorporated in an upholstered structure having a relatively station-

ary frame and a movable portion, comprising a container having an opening for receiving a volatile insecticide secured to said movable portion to extend within the structure, said container being pervious to the insecticide vapors and a reinforced closure means for said opening.

6. A device of the character described adapted to be installed in an upholstered structure for supporting a removable seat, comprising a fabric for covering said structure, and a container having an opening for receiving a volatile insecticide secured to the fabric covering to extend within the structure, the walls of said container being pervious to insecticide vapors, said covering having an opening to permit insertion of the insecticide into the opening of the container, said closure means being perforated to permit the passage of air currents into the container.

7. A device of the character described adapted to be incorporated in an upholstered structure having a relatively stationary frame and a movable portion, comprising a container having an opening for receiving a volatile insecticide secured to said movable portion to extend within the structure, said container being pervious to the insecticide vapors, said portion having an opening to permit insertion of the insecticide into the container.

8. A device of the character described adapted to be incorporated in an upholstered structure having a relatively stationary frame and a movable portion, comprising a container having an opening for receiving a volatile insecticide secured to said movable portion to extend within the structure, said container being pervious to the insecticide vapors, said portion having an opening to permit insertion of the insecticide into the opening of the container, and

a closure member for said opening fastened to the movable portion.

9. A device of the character described adapted to be incorporated in an upholstered structure having a relatively stationary frame and a movable portion, comprising a container having an opening for receiving a volatile insecticide secured to said movable portion to extend within the structure, said container being pervious to the insecticide vapors, said portion having an opening to permit insertion of the insecticide into the opening of the container, and a closure member for said opening fastened to the movable portion, said closure member being perforated to permit the passage of air currents into the container on movement of said portion.

10. In a device of the character described in combination with an upholstered structure having a relatively stationary frame and a movable portion with an opening therein, said movable portion adapted to support a removable seat, of a container for receiving a volatile insecticide mounted within the structure and having a mouth accessible through said opening, said container being pervious to insecticide vapors.

11. In a device of the character described in combination with an upholstered structure having a relatively stationary frame and a movable portion with an opening therein, said movable portion adapted to support a removable seat, of a container comovable with said portion for receiving a volatile insecticide mounted within the structure and having a mouth accessible through said opening, said container being pervious to insecticide vapors.

In testimony whereof I affix my signature.

ALBERT M. BANK.