United States Patent [19]

Davis

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[54] **DEODORANT STRUCTURE**

[76] Inventor: **Jeffrey L. Davis,** 1205 Kelley St. S.W., Vienna, Va. 22180

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[52] **U.S. Cl.** **239/57,** 239/60

[51] **Int. Cl.** **A24f 25/00,** A61l 9/04

[58] **Field of Search** 239/34, 57, 60

[56] **References Cited**

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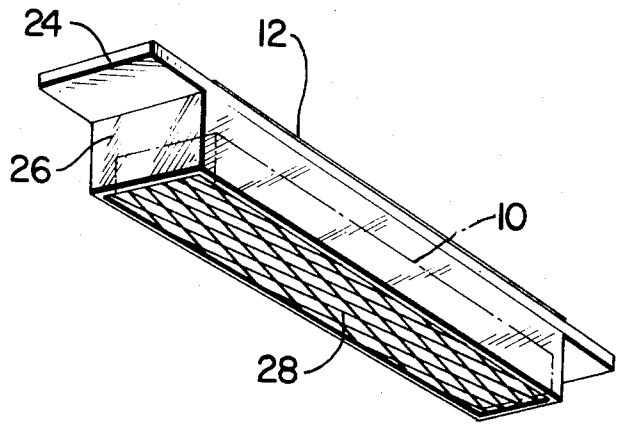
Primary Examiner—Lloyd L. King

Attorney, Agent, or Firm—Strauch, Nolan, Neale, Nies & Kurz

[57] **ABSTRACT**

A block of deodorizing material for use in a room or similar confined space including an adhesive layer for conveniently affixing the block beneath a table, chair or other structure surface so that the block is aesthetically hidden from view. A removable protective film covers the adhesive layer and is peeled off when the block is to be used. A barrier layer which can serve as a support plate may be interposed between the block and adhesive to facilitate handling of the block. Similarly, a removable protective film may surround the block. The support plate may further include a depending support cage for carrying the deodorant block.

5 Claims, 4 Drawing Figures



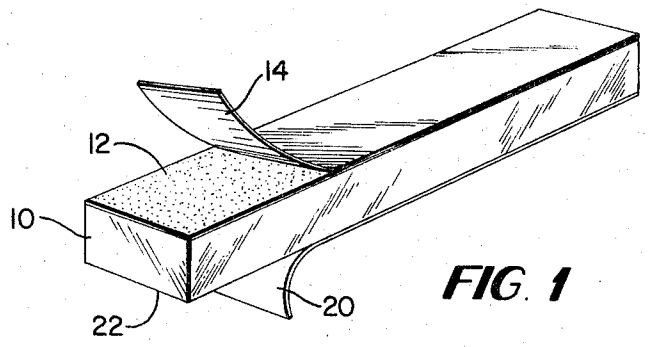


FIG. 1

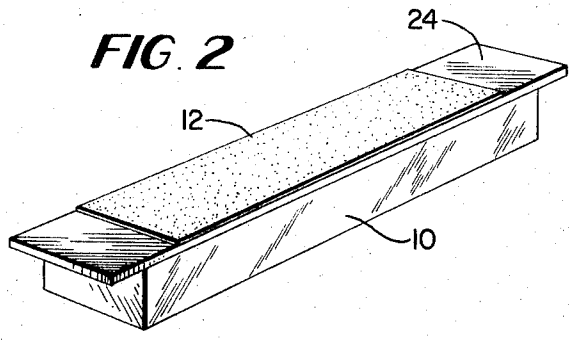


FIG. 2

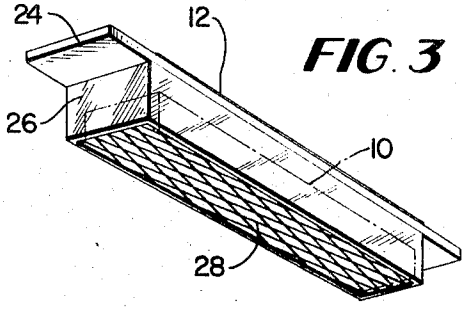
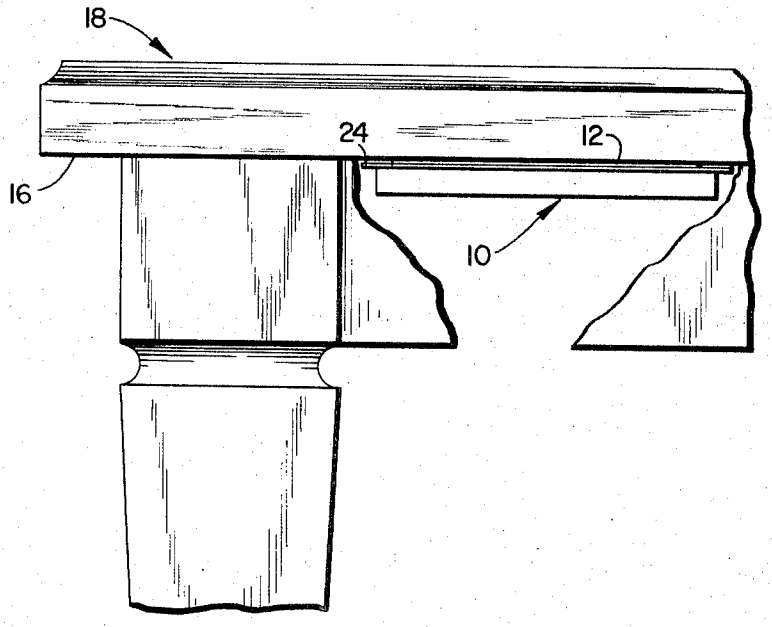


FIG. 3

FIG. 4



DEODORANT STRUCTURE

BACKGROUND OF THE INVENTION

The invention pertains to room deodorizers and, more particularly, a room deodorizer structure which may be attached beneath a table, chair or other item of furniture in a room so to be hidden from view and thus enhance the desirable aesthetic appearance of the room by remaining conveniently out of sight while serving its primary function of deodorizing the room.

Room deodorizers employing either a wick of material saturated with deodorant or a wax block having deodorant therein, for steadily releasing vapors into an area to either mask or neutralize objectionable odors in a confined space are well known and commercially available. However, a primary drawback of such deodorizers is their unsightly appearance upon a table or window sill within a room. Specifically, to the homeowner and housewife most particularly, the appearance of such a deodorizer is most objectionable in that the item stands as a flashing beacon, reminding all vistors that this room smells.

Commonly, then, the use of such commercially available room deodorizers has been relegated to the bathroom where they are only seen when such facilities need to be used. Even then, they are usually removed and hidden in a closet when guests are present.

The patented prior art is not suggestive of the present invention to which this application is directed. For example, U. S. Pat. No. 2,718,432 discloses a deodorant block but only as part of an ashtray to eliminate smoking odors. U. S. Pat. No. 2,765,046 discloses a deodorant block, but with a hanger structure and for use in a refrigerator, and not as a room deodorant. U. S. Pat. No. 3,260,234 discloses a plurality of desiccant cylinders held together by tape having an adhesive layer to affix a strip of tape inside an electronic components cabinet to eliminate moisture. Thus, no vapors are emitted.

U. S. Pat. No's. 2,808,679 and 3,295,246 disclose adhesive tape structures having vapor emitting portions for pest extermination. Other, more remote noxious fume emitting assemblies are disclosed by U. S. Pat. No's. 2,545,160; 2,572,669; and 3,698,974.

What is not taught or disclosed by the prior art is a deodorant structure primarily adapted for use as a room deodorizer without objectionably interfering with the aesthetic qualities of the room, the deodorizing structure including a protected adhesive layer so that the structure may be easily attached beneath furniture, completely out of sight.

SUMMARY OF THE INVENTION

Therefore it is a primary object of this invention to provide a deodorant structure having adhesive attaching means so that the deodorant may be placed in a room, out of sight beneath of behind a piece of furniture, so as to not only deodorize the room but also not objectionably interfere with the aesthetic appearance and effect of the room.

It is another object of the invention to provide a deodorant structure in the form of a elongate vapor releasing block, having a protective film over an adhesive layer, the film being removed just before use, for easy attachment of the block to a surface.

Yet another object of the invention is to provide a room deodorant structure including a deodorant block, adhesive layer, and interposed support plate for easy handling of the structure when placing it in use.

A still further object of the invention is to provide a deodorant structure having a cage containing a block of deodorant, and an adhesive layer on top of the cage for easily attaching the structure to a flat surface.

Further novel features and other objects of this invention will become apparent from the following detailed description, discussion and the appended claims taken in conjunction with the accompanying drawings.

BRIEF DESCRIPTION OF DRAWINGS

Preferred structural embodiments of this invention are disclosed in the accompanying drawings in which:

FIG. **1** is a view in perspective of one embodiment of the invention;

FIGS. **2** and **3** are views similar to FIG. 1 and showing two additional embodiments of the invention; and

FIG. **4** is a partial side elevation view with parts broken away showing the deodorant structure attached beneath a table.

DESCRIPTION OF THE PREFERRED EMBODIMENTS

A deodorant block **10** includes a layer of adhesive **12** and a protective cover, such as a thin film of pliable plastic **14**, over adhesive layer **12**, which may be easily peeled from layer **12** just before attachment of block **10** to a convenient surface, such as the underside **16** of a table **18** as shown in FIG. **4**. Additionally block **10** may be provided with a second protective film **20** over at least one surface, such as bottom **22**, so that the structure may be grasped when placing into position without contact with the block **10** itself. As desired the protective film could enclose the entire structure and conveniently could be a sealed plastic film covering, readily removable.

In the embodiment shown in FIG. **2**, a combined barrier and support layer or plate **24** is interposed between deodorant block **10** and adhesive layer **12** whereby the structure may be more easily grasped during placement and removal. Preferably, plate **24** is made of rigid, relatively inexpensive plastic, but it can be a thin barrier layer film. If desired, plate **24** may be made longer than block **10** to make handling easier, and adhesvie layer **12** may be disposed centrally on plate **24** so that the fingers of the user will not come into contact either with block **10** or adhesive layer **12**.

In the embodiment illustrated in FIG. **3**, plate **24** further includes a depending cage structure **26** having side and end walls, and a foraminous bottom surface **28** through which vapors being emitted by block **10**, contained therewithin may be released. Cage **26** may be made of the same hard plastic as plate **24**, either integrally therewith or separable therefrom.

Block **10** may be a mass of waxy or similar substance, impregnated with volatile, deodorant matter which releases deodorant vapors over a period of time. In any event, the precise nature and chemical constituents of the deodorant matter as well as the wax of block **10** are well known in the deodorant art and per se do not constitute a part of the present disclosed invention.

Referring now to FIG. 4, it is seen that the deodorant structure may be attached to a flat surface by mere removal of the adhesive layer protective film **14.** Most importantly, the deodorant structure may be attached to furniture or the like, completely out of sight, beneath furniture or the like such as a table **18,** where it can perform the desired function of masking or neutralizing objectionable room odors without in any way interfering with the aesthetic appeal of the room.

The invention may be embodied in other specific forms without departing from the spirit or essential characteristics thereof. The present embodiments are therefore to be considered in all respects as illustrative and not restrictive, the scope of the invention being indicated by the appended claims rather than by the foregoing description, and all changes which come within the meaning and range of equivalency of the claims are therefore intended to be embraced therein.

What is claimed and desired to be secured by Letters Patent is:

1. Deodorant structure comprising: a block of deodorizing material, said block being of a nature to slowly release vapors for the purpose of masking or neutralizing objectionable odors in a confined space such as a room; a multiple layer on a surface portion of said block including an adhesive layer for affixing said block to a structure surface and a barrier structure attached to said block surface portion interposed between said block and said adhesive layer, said barrier structure comprising a thin plate of rigid platic, having at least one of its length and width dimensions greater than those of said block, and adhesive layer having a length dimension less than that of said plate and formed centrally thereupon whereby non-adhesive layered grasping edges are provided on said plate to readily facilitate affixing of said deodorant structure to a structure surface; and protective means over at least said adhesive layer, for guarding said layer when said structure is not in use, said protective means being removable from said adhesive layer whereby said deodorant structure may be attached to a structure surface by means of said adhesive layer when said deodorant structure is to be used.

2. The deodorant structure as claimed in claim **1** wherein said deodorant structure further comprises protective film means over at least one surface face of said block distinct from the surface face of said block to which said adhesive layer is applied, whereby said deodorant structure may be easily grasped without directly contacting said block of deodorizing material.

3. The deodorant structure as claimed in claim **2,** wherein said protective film means is a plastic film completely encasing and sealing said block, adhesive layer and adhesive layer protective means.

4. Deodorant structure comprising a block of deodorizing material, said block being of a nature to slowly release vapors for the purpose of masking or neutralizing objectionable odors in a confined space such as a room, a multiple layer on a surface portion of said block including an adhesive layer for affixing said block to a structure surface and a barrier structure is interposed between said block and said adhesive layer said barrier structure comprising a depending plastic cage construction for receiving said block and protective means over at least said adhesive layers, for guarding said layer when said structure is not in use, said protective means being removable from said adhesive layer whereby said deodorant structure may be attached to a structure surface by means of said adhesive layer when said deodorant structure is to be used.

5. The deodorant structure as claimed in claim **4** wherein said cage construction further comprises means defining a plurality of openings in at least one surface of said cage for releasing vapors emitted by said block contained therewithin from said deodorant structure.

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