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FLUSH TANK ATTACHMENT FOR LEVER OPERATION OF ATOMIZER DEODORANT CANS

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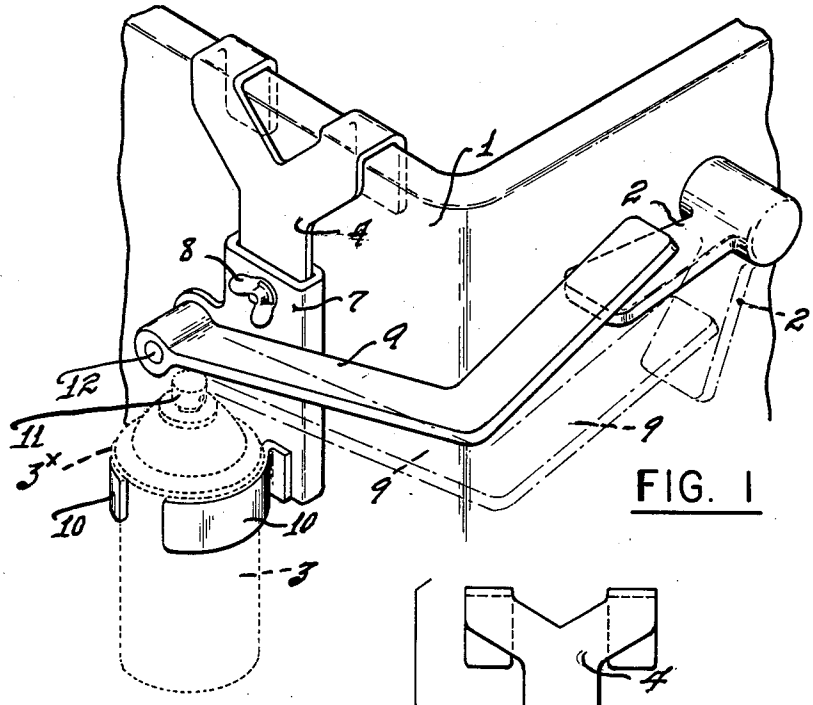

FIG. 1

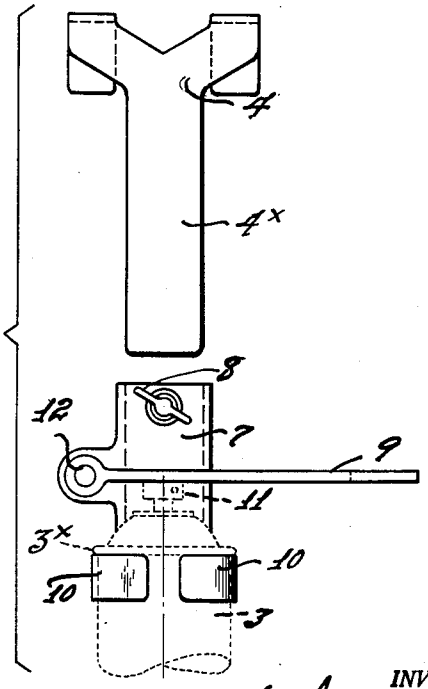

FIG. 2

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FLUSH TANK ATTACHMENT FOR LEVER OPERATION OF ATOMIZER DEODORANT CANS

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1 Claim. (Cl. 4—222)

The object of the present invention is to provide means for automatic spray of a deodorant in bathrooms whenever the toilet flush tank is operated. A further object of the invention is to provide an effective and inexpensive universal connector between the flush tank operating lever commonly employed and a deodorant atomizer can, in the sense that the connector will hold and position the can for operation by the usual downward movement of the flush tank lever.

The invention will be described with reference to the accompanying drawings, in which:

FIG. 1 is a perspective view of an embodiment of the invention held by a wall of a toilet flush tank and in position to receive a deodorant atomizer can held vertically, dotted lines indicating the can in operative line with the tank flush lever shown in the figure, and dotted lines showing the operating lever for the can valve in lowermost position.

FIG. 2 is a composite view in elevation showing the elements of said embodiment of the invention with a deodorant atomizer can shown in dotted lines.

Referring to the drawings, I have shown at 1 the corner area, broken away, of a customary type of toilet flush tank. In use, such a tank will have a cover, the latter not being shown in the drawing. At 2 is shown the customary operating lever of the flush tank and which is moved downwardly for an operative stroke.

Slidingly received upon the top of the flush tank, which carries operating lever 2, is a connector or attachment for holding an atomizer can, indicated by dotted lines at 3, for releasing a spray of deodorant upon an operative down-stroke of lever 2. The embodiment shown consists of a bracket 4 having a hook end adapted to be received by the tank wall 1 so that the bracket will be supported thereby, as shown in the drawing.

The bracket has a lower elongated bar extension 4^x adapted to receive a sleeve 7 which has an opening of sufficient size to receive elongated bar extensions, the sleeve having a clamping stud 8 for holding the sleeve in adjusted position on bracket extension 4^x.

Sleeve 7 has pivoted thereto at 12 an L-shaped arm 9, the first section of which extends along that which may be considered the front wall of the flush tank 1 and a continuing section which lies over the flush tank lever 2.

Sleeve 7 carries any suitable holder for an atomizer can.

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In the embodiment shown the can holder consists of springy clamp arms 10 carried by the sleeve. When used, these clamp arms may carry at their inner surfaces suitable frictional material, such as rubber for example, to resist any vertical movement of the atomizer can in the downward operative movement of arm 9, particularly in cases where the can does not have a bead as at 3^x.

Inasmuch as the operative degree of movement of an atomizer can valve is slight as compared with the operative down movement of the lever of a flush tank, the connector attachment above described is proportioned to hold an atomizer can in vertical position so that its valve head 11 will be disposed under arm 9 near the axis of movement thereof, for operation of the valve head toward the end of the arm downward movement.

Exact adjustment of the arm 9 relative to lever 2 is provided by adjustable sleeve 7.

The bracket and sleeve may be made of hard molded plastic or of any other suitable material, and it will be understood that various modifications may be made in the embodiments shown without departing from the spirit of the invention. Thus the pivotal connection between lever 9 and the sleeve may be varied from that shown in the drawing, and likewise the means carried by the sleeve for holding the can may be modified as desired.

In the operation of the attachment, pressure upon the outer end of arm 9 will simultaneously depress the flush tank lever 2 and impart such downward movement to the valve head 11 as to cause a spray of deodorant to be discharged from can 3.

Having described my invention, what I claim and desire to secure by Letters Patent, is as follows.

In combination with a flush tank having at least two angularly related walls at the front of the tank, of a bracket adapted to be held by one of the tank walls and consisting of two sections adapted for mutual adjustment, means carried by the bracket for holding an aerosol can in vertical position, a pivot member held by the bracket, an arm on said pivot member, said arm running along a first face of the tank and then extending in an angular direction along a second face of the tank, the second face of the tank having a flush operating lever and the second section of the arm lying over and in operative relation to said flush tank lever.

References Cited in the file of this patent

UNITED STATES PATENTS

1,208,894	Bates	Dec. 19, 1916
1,826,640	Sturgis	Oct. 6, 1931
2,649,331	Peltz et al.	Aug. 18, 1953
2,720,422	Mercur	Oct. 11, 1955
2,926,879	Dietrich	Mar. 1, 1960