

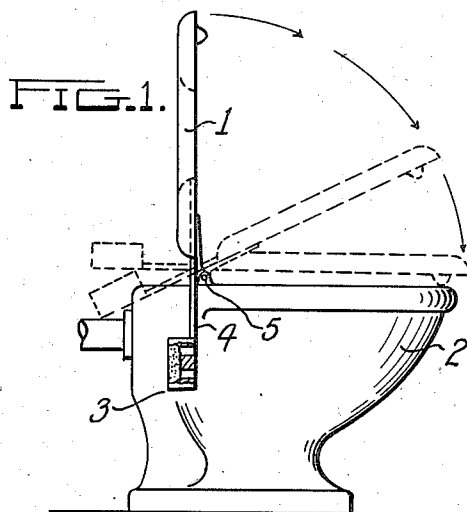
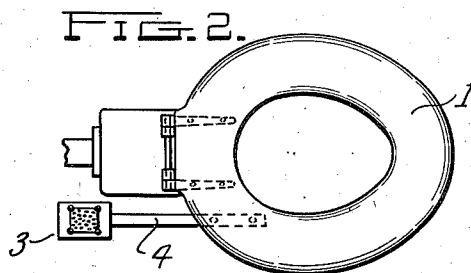
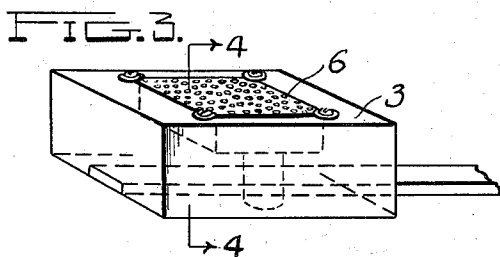
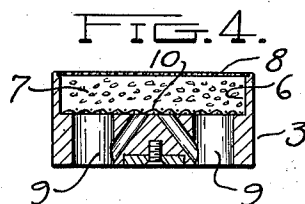
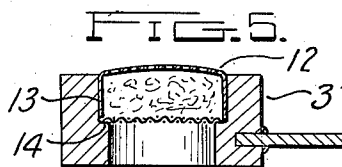
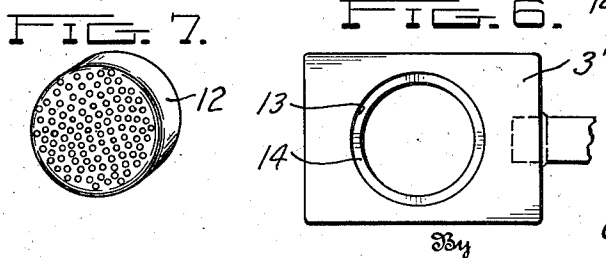
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S. PRYBA

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DISINFECTING MEANS FOR TOILETS

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DISINFECTING MEANS FOR TOILETS

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5 Claims. (Cl. 4-229)

This invention relates to deodorant carrying means for use primarily in connection with toilets.

The object of the invention is the provision, in combination with a toilet seat, of means for normally retaining the seat in raised position, but permitting it to be lowered for use, together with a deodorant carrier attached to the seat to cause circulation of air through the deodorant when said movement takes place, whereby the diffusion of the disinfecting fumes from the deodorant is facilitated whenever the seat is moved.

The invention is fully described in the following specification and two embodiments thereof illustrated in the accompanying drawing in which—

Figure 1 is a side elevation of a toilet bowl and seat with the seat in raised position and equipped with my deodorant carrying means; Fig. 2 is a top plan view thereof with the seat lowered; Fig. 3 is an enlarged perspective view of the weight member employed to normally maintain the seat in raised position and adapted to carry a more or less loose or porous deodorant; Fig. 4 is a cross-section on the line 4—4 in Fig. 3; Fig. 5 is a cross-section of the weight member modified to hold a deodorant cartridge in a manner to permit air circulation therethrough; Fig. 6 is a top plan view thereof, and Fig. 7 is a perspective view of a deodorant cartridge such as used in Fig. 5.

Referring to the drawing, 1 designates a toilet seat which is hinged in the usual or any suitable manner over the bowl 2. The seat is normally held in raised position, as shown in full lines in Fig. 1, by a weight 3 carried by an arm 4 fixed to and projects rearwardly from the seat 1 across its hinge axis shown at 5. The weight arm 4, in the present instance, preferably comprises a metallic bar, which is screwed or otherwise fixedly secured to the under side of the rear end portion of the seat at one side of its longitudinal center, and the weight 3 is preferably a metal casting and may be fixedly mounted on the bar 4 and adapted to have adjustment lengthwise thereof, if desired.

The weight 3 in addition to being utilized as a means for normally retaining the seat in open position is also employed as a carrier for a deodorant. For such purpose the weight may be formed in its top with a recess 6 for receiving a loose or porous form of deodorant material 7, which may be retained in the recess by a screen 8 secured thereover to the top of the weight. The bottom of the recess 6 has one or more openings

9 extending downward therefrom through the bottom portion of the weight so that a vertical movement of the weight will set up a forced circulation of air through the deodorant, the force of the draft thus created being dependent on the speed of movement of the weight during a raising or lowering of the seat. The bottom of the recess 6 may be covered with a screen 10 to prevent the deodorant material from entering the openings.

In Figs. 5, 6 and 7 the deodorant material is contained within a cartridge 12, which is adapted to have a force fit within the socket or recess 13 of the weight 3, which recess may have its bottom entirely open through the bottom of the weight, except for a shoulder 14 therein, against which the cartridge may rest. It will, of course, be understood that the top and bottom of the cartridge are of foraminous material to permit the ready circulation of air therethrough and through the deodorant contained within the cartridge. If the deodorant material is in cartridge or tablet form, as shown in Figs. 5, 6 and 7, it is apparent that such cartridges may be furnished in quantity to a user, so that a worn out cartridge may be easily and quickly replaced with a new one by merely forcing the old cartridge out of the weight recess and forcing a new one into the recess.

It is apparent that the deodorant carrier employed not only serves to normally hold a toilet seat in raised position, thus enhancing the sanitary conditions of a toilet, particularly when of a public nature, but that the weight means employed for such purpose also serves as a movable carrier for a deodorant, whereby any raising or lowering movement of a seat will effect a greater or less circulation of air through the deodorant. The passage of air through the deodorant causes the air to be charged with the deodorant fumes very much more effectively, however, than if the deodorant is stationary, thus making the diffusion of the disinfecting gases more or less automatic and in proportion to the use of a toilet.

It will be understood, however, that the disinfecting fumes will diffuse into the room from the deodorant material when such material is not being moved, and that any circulation of air through the material occasioned by a raising or lowering of the seat will augment such diffusion.

I wish it understood that my invention is not limited to any specific construction, arrangement or form of the parts, as it is capable of numerous modifications and changes without departing from the spirit of the claims.

Having thus described my invention, what I claim as new, and desire to secure by United States Letters Patent, is:

1. In combination, a hinged toilet seat, means
5 constituting a deodorant carrier attached to the seat for movement therewith, and a deodorant material carried by said means, said means having provision for the forced circulation of air through said deodorant when the seat is raised
10 or lowered.

2. In combination, a hinged toilet seat, means normally retaining the seat in raised position, and a deodorant material carried by one of said seat and means for movement therewith, whereby a
15 raising or lowering of the seat will cause a circulation of air through the deodorant material.

3. In combination, a hinged toilet seat, means movable with the seat and normally retaining the seat in raised position, said means having
20 provision for holding a deodorant material and for the forced circulation of air through the material when the means is moved by raising or lowering of the seat.

4. In combination, a toilet seat, a weighted arm fixed to and projecting rearwardly from the seat and normally retaining the seat in raised position, said arm having a recess therein open at top and bottom and adapted to carry a deodorant material in said recess, whereby a movement of the arm by raising or lowering of the seat causes circulation of air through the recess in contact with the material.

5. In combination, a hinged toilet seat, an arm projecting rearwardly from said seat, a weight carried by the arm rearwardly of the seat hinge, whereby the seat is normally retained in raised position, said weight having a recess therein open at top and bottom, and a porous deodorant cartridge mounted in said recess, whereby a swinging of the weight by a raising or lowering of the seat will cause a circulation of air through the cartridge in contact with the deodorant material therein.

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