

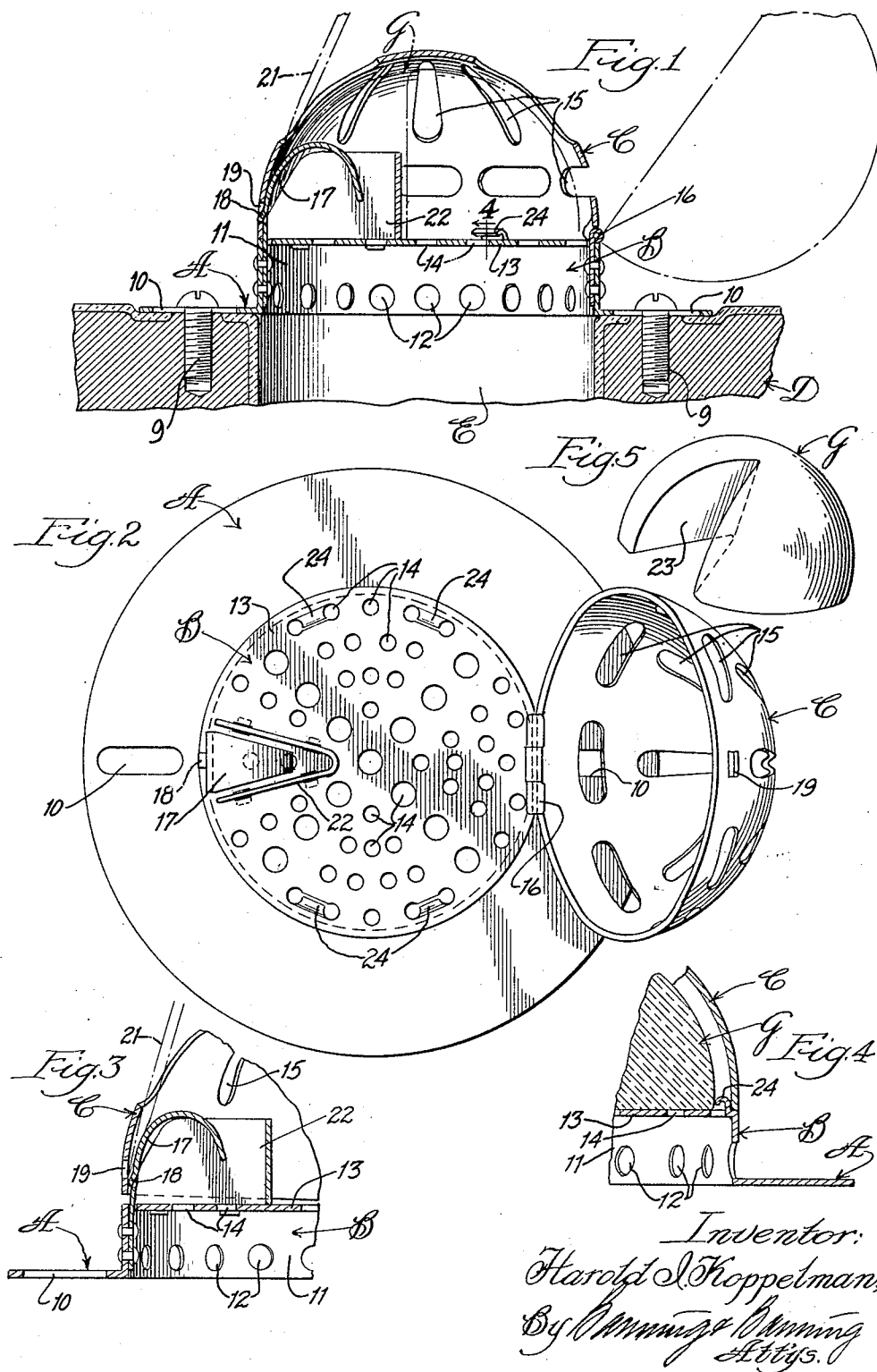
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DEODORANT CONTAINER

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UNITED STATES PATENT OFFICE

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DEODORANT CONTAINER

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This invention relates to a container in which may be placed suitable deodorant or disinfectant material in solid form for use in connection with urinals, and the like. It is more particularly concerned with a raised platform for supporting the deodorant material and a perforated cover hinged to one edge of the platform, the object being to provide a construction of unitary character so that there are no parts which may be removed and lost or damaged.

A suggestive embodiment of my invention appears in the accompanying drawing, wherein—

Figure 1 is a vertical sectional view of the container;

Fig. 2 is a plan view of the container with the cover moved to open position;

Fig. 3 is a fragmentary view in section showing particularly the catch mechanism;

Fig. 4 is a sectional view taken on the line 4 of Fig. 1; and

Fig. 5 is a perspective view of a cake of deodorant material which may be used in connection with the present container.

The container may be formed of sheet metal comprising a base A having its center portion raised to provide a platform B, to which is hinged a perforated concave cover C. In the drawing is shown part of a urinal bowl D of usual construction having a drain opening E, over which is secured my container by means of screws 9 fitted into elongated radial slots 10 of the base A.

The platform B may be raised as at 11 to accommodate suitable drain openings 12 which permit the flush water to drain there-through. Other openings, such as is shown at 14, may be placed in the horizontal portion 13 of the platform, and for the same purpose. It will be noted that the platform with its perforations 12 and 13 acts as a strainer to prevent large articles from passing into the drain pipe.

The cover C, which may be concave in shape, is provided with drain openings 15. A suitable hinge 16 secures the cover C to the platform B. Diametrically opposite the hinge, I provide a catch 17 herein shown as a piece of spring material secured to the ver-

tical wall 11 of the platform, and extending divergently with respect to the cover C, and having a tongue 18 struck outwardly therefrom to engage an opening 19 in the cover. This type of catch is advantageous in that the closure may be opened by a tool, such as a screw driver 21, or the like, which is guided into place by the catch 17 and as shown in broken line (Fig. 1). The spring catch may be surrounded by a guard 22 of any desirable shape to keep the deodorant material from interfering with the operation of the catch.

I prefer to use a cake of deodorant or disinfectant material, such as is illustrated in Fig. 5, and represented generally by the letter G. However, it will be understood that any other shape of material may be used. In the form of cake shown, I provide a sector shaped opening 23 to accommodate the guard 22 and catch 17. The platform B which supports the cake G may be provided with centering lugs 24 struck upwardly from the horizontal portion 13 to hold the cake in the center of the platform while the cover C is being lowered.

The present invention is designed to provide the greatest ease of manipulation, and to minimize the exposure of the operator to adventitious articles. To open or close the container it is unnecessary for the operator to touch the container with his hands, as he may use an ordinary screw driver or similar tool to unlatch the cover, then press toward the hinge and the cover will open, and he may use the same tool to push the cover to closed position, which will be latched simultaneously with its closing. It will be particularly noted that there is no part of the present closure which can be lost or laid on the floor where it is in danger of being stepped on and bent. Further, the catch and hinge are confined within the closure which presents a regularity of form.

I claim:

1. In combination with a urinal having a drain opening, a base having a raised platform to support deodorant material, the platform having drain openings to permit passage of flush water, a perforated closure

hinged to the platform to enclose the deodorant material, means on the platform to center a cake of deodorant material, and means to secure the closure in closed position.

5 2. A deodorant container comprising a perforated base surmounted by a concave perforated container swingingly connected thereto, a catch releasably engaging the container upon an inner face thereof, the catch being
10 mounted on the base and extended therefrom divergently with respect to the adjacent container wall, and a guard projecting upwardly from the base and extending inwardly from the container wall, the container being adapted
15 to accommodate a cake having a recess wherein the guard may lie.

3. In combination with a urinal having a drain opening, a deodorant cake support, means for sustaining the support in an elevated position over the drain opening, a concave foraminous cover arranged over the support, means releasably connecting the cover to the support whereby the former may be
20 moved relative to the latter for access thereto, means carried by and adjacent the edges of the support for centering a deodorant cake relative to the surrounding cover, and additional centering means carried by the platform remote from its edges and adapted to
25 lie within an opening in the deodorant cake.

4. In combination with a urinal provided with a drain opening, a base including a perforate platform adapted to support a deodorant cake having a recess in its body, a
35 perforated closure positioned over the platform to enclose the deodorant cake, means for securing the closure to the platform extending in part within the recess in the deodorant cake, and other means projecting upwardly
40 from the platform engageable with the deodorant cake adapted to restrain the latter against movement upon the platform.

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