

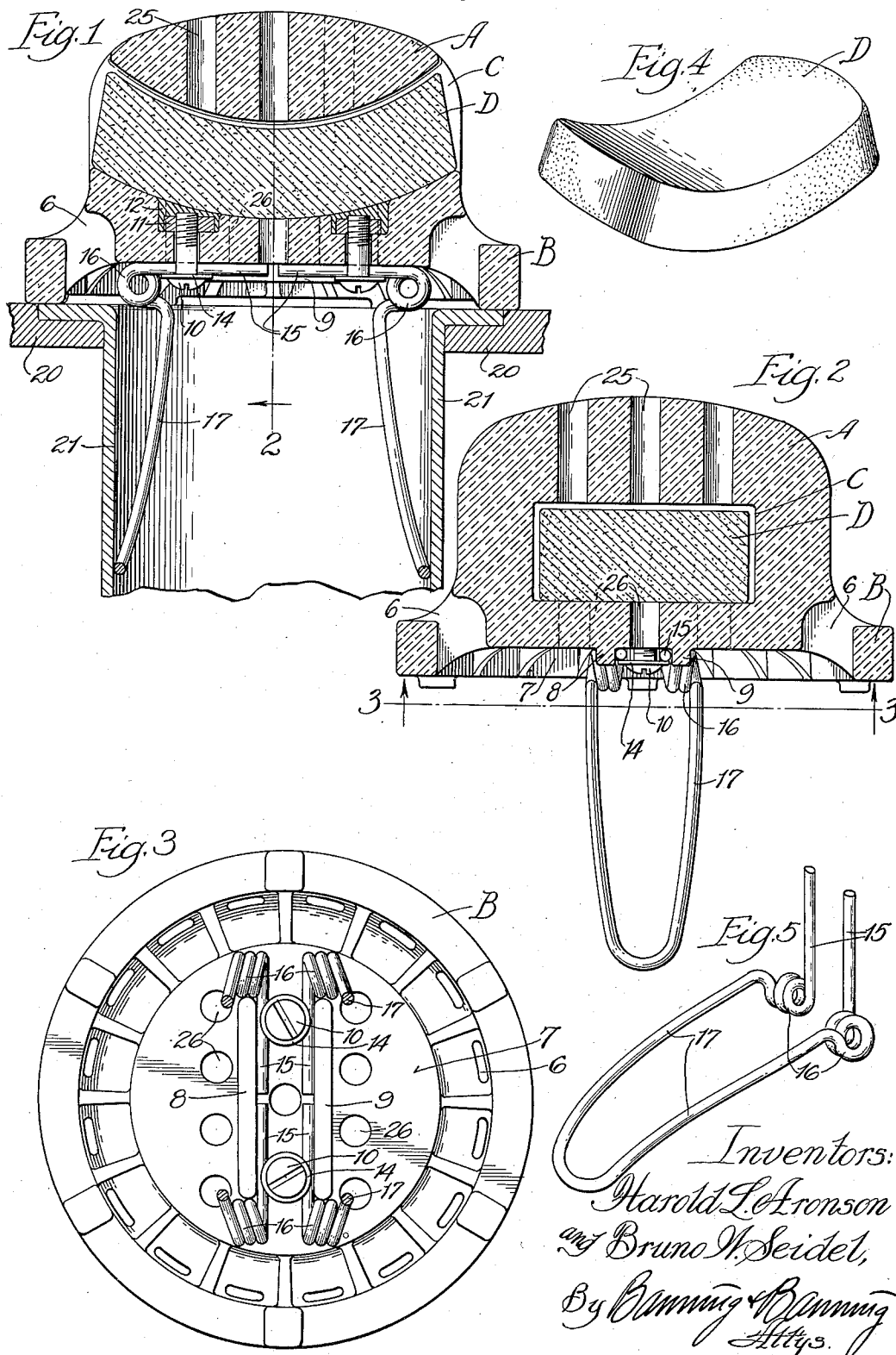
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DEODORANT CONTAINER

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DEODORANT CONTAINER

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8 Claims. (Cl. 4—109)

This invention relates to a container for deodorants such, for example, as may be used to advantage adjacent the drain openings of urinals and other places.

5 For its objects our invention is concerned with the construction of a container which is simple in the extreme, which will readily receive a block of deodorant material, which tends to maintain the deodorant block in a protected position, and
10 which includes adjustable means for retaining the container in place, irrespective of the diameter of the drain opening over which it is positioned.

These and other objects of our invention are realized by a construction such as is exemplified in the accompanying drawing, wherein—

Figure 1 is a central vertical section through the container as it appears in operative position over a drain opening;

20 Fig. 2 is a vertical section taken on line 2 of Fig. 1;

Fig. 3 is a sectional view taken on line 3—3 of Fig. 2;

25 Fig. 4 is a perspective view of the deodorant cake per se; and

Fig. 5 is a view in perspective of one of the spring legs by which the container is held in place.

The present container may conveniently be
30 formed from ceramic material molded in one piece and exteriorly glazed or otherwise finished to resist corrosion and contamination. It may, however, if desired, be formed of other materials, and we would have it understood that we are not
35 concerned particularly with the nature or kind of materials employed so long as they are suitable for the purposes of the container in question.

As indicated best in Figs. 1 and 2, the container comprises a dome-shaped body A upstanding from a base B. A series of ports 5 extend through the base to permit the free passage of liquid therethrough. On its underside the base is recessed at 7. Depending from the roof of this recess are two ribs 8 and 9 in spaced parallel
45 relation. Between these ribs near opposite ends thereof are openings in the body for the reception of bolts 10, each of which is adapted to engage with a nut 11 which may be sealed in place within a socket 12 (see Fig. 1). The head of each
50 bolt engages a washer 14 whose edges overlie parallel feet 15 of a wire which extends through coils 16 to form a spring leg in the form of a loop 17. By tightening the bolts 10 the feet are anchored fixedly in a position which may be
55 radially adjusted, as desired. The legs are ac-

cordingly movable toward and from each other whereby to vary the distance between them.

In Fig. 1 we have represented the bottom of a bowl or urinal 20 adjacent its drain opening to which is fitted a pipe 21. The container is adapted to be placed over the opening so as to rest upon the bowl bottom. When so positioned the two legs are pressed inwardly sufficient to enter the drain pipe. When released, they will exert opposing pressures against the inner surface of the pipe. This frictional engagement is sufficient to hold the container against accidental movement so that it may be counted upon to remain in place. As above indicated, the position of the two legs may be adjusted toward or from each other
15 whereby to adapt them for coaction with drain pipes of various diameters, and because of this adjustable feature it is possible to make use of the container in bowls and urinals of various types and sizes.

For ventilation purposes the body of the container may be provided with certain vents 25 extending from the upper face thereof vertically to communicate with a chamber C extending transversely through the body of the container. This chamber is desirably of arcuate concavo-convex form, viewed in the direction of its length (see Fig. 1), and of rectangular cross section as viewed in Fig. 2. Within the chamber may be received a block D of deodorant material. This
30 block is preferably of arcuate concavo-convex form (see Fig. 4) with outwardly bowed ends so as to be freely receivable within the chamber when introduced therein from either end thereof. One advantage of this form of chamber and block
35 is that the block will tend in and of itself to remain in place in the lowest central position so that its two ends will lie in protected position to the inside of the ends of the chamber; and another advantage is that the chamber floor slopes down
40 toward its center, thereby facilitating the drainage of liquid therefrom through openings 26 which extend vertically through to the recess 7 on the underside of the container body. It is unnecessary that these openings register with the vents proceeding downwardly from the upper face of the strainer. It may be convenient, as well as symmetrical, to provide a central vent and drain opening, one above and the other below the block chamber, as shown in Figures 1 and 2.
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It will be found in service that the present container is adequate to meet all the requirements of devices of this kind. A generous exposure of the surface of the deodorant block is afforded, and also ample vent openings to the chamber wherein
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the block is placed. There being no moving parts, the container may be counted upon to last indefinitely. The deodorant block may be inserted with facility, and once introduced into place it may be depended upon to remain in correct position. It is unnecessary, of course, that the block be of one piece, as shown, but only that it be so shaped as to enter freely into the chamber of the strainer from either end thereof and there remain in protected position.

We claim:

1. A deodorant container comprising a dome shaped body having a concavo-convex chamber extending transversely thereof and open at its opposite ends upon the body sides through either of which openings may be inserted a block which is concavo-convex in form for reception within the chamber, there being ventilating openings extending from the chamber through the top and bottom of the container body.

2. A deodorant container comprising a dome shaped body having a chamber extending transversely thereof and open at its opposite ends upon the body sides, the chamber floor and roof curving downwardly from their ends toward a point centrally thereof whereby an arcuate shaped block of deodorant material received within the chamber will tend by gravity to remain in place there-within, there being ventilating openings extending from the chamber through the top and bottom of the container body.

3. An elongated deodorant block having parallel straight sides and outwardly bowed ends, and top and bottom faces bowed similarly and in the same direction in concavo-convex form, said block being adapted for insertion through an opening in a container body.

4. An elongated deodorant block of arcuate concavo-convex form between its ends which latter are outwardly bowed, said block being adapted for insertion through an opening in a container body.

5. An elongated deodorant block, of uniform thickness having opposite faces between its ends of arcuate form, one concave and the other convex, said block being adapted for insertion, either end first, through an opening in a container body.

6. A deodorant container comprising a body, and a pair of spring legs depending from the body bottom for frictional engagement with a drain pipe over which the container is placed, each leg comprising a wire loop with coils to enhance the spring action.

7. A deodorant container comprising a body on the bottom of which is a pair of spaced parallel walls, a pair of feet lying adjacent the base between the walls and adjustable toward and from each other, and a leg depending from each foot tensioned to move away from the other leg, the two legs being engageable with the inner surface of a drain pipe over which the container is placed to secure the container in position.

8. A deodorant container comprising a body formed with a transversely extending chamber having a floor which slopes downwardly from opposite ends, there being a drain opening in communication with the lowest portion of the chamber, and vents extending through the body from the roof of the chamber wherein a deodorant cake having a lower surface conforming with the chamber floor is adapted for reception.

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