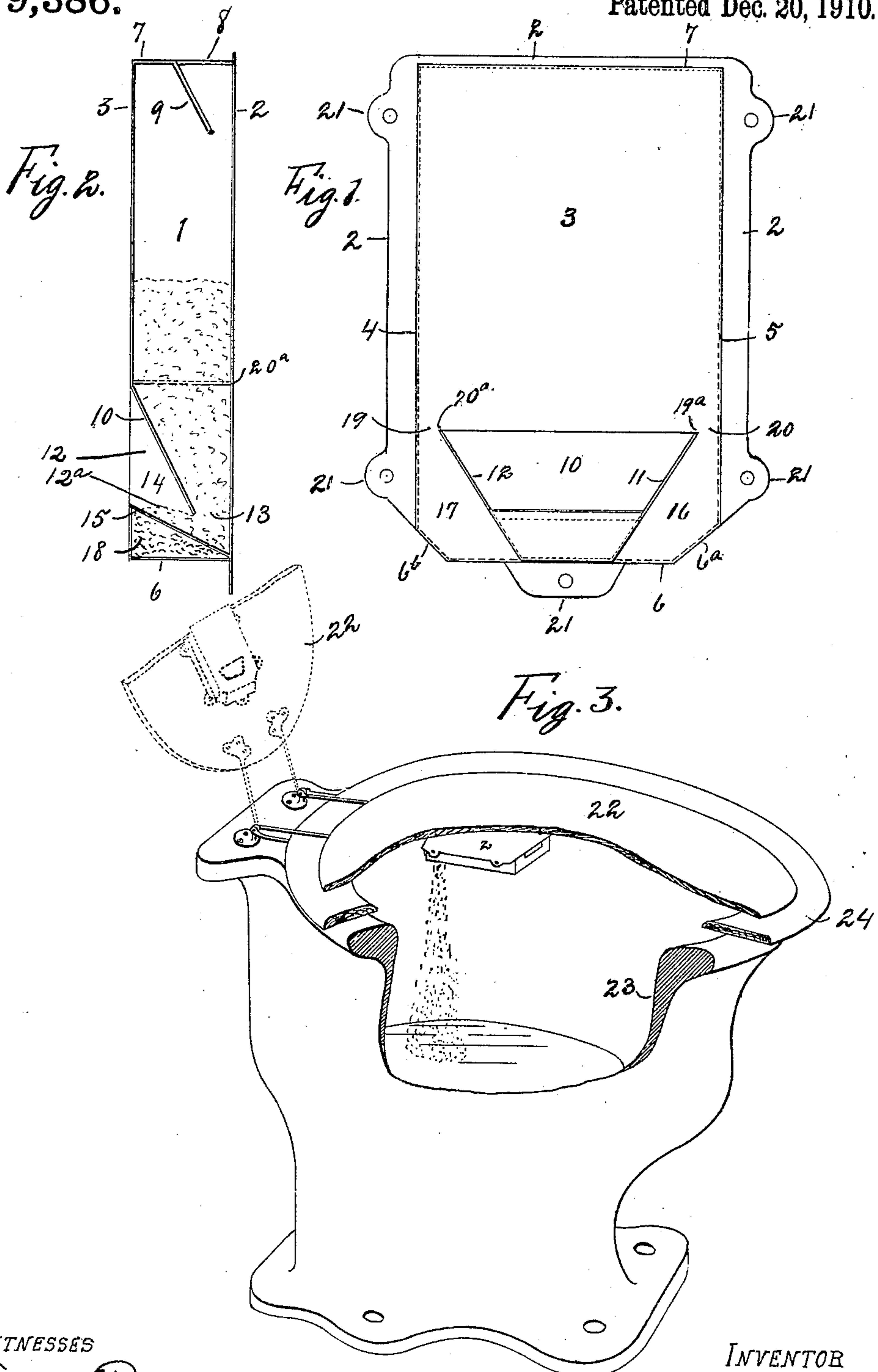


T. DRUZBACH.
DISINFECTOR.

APPLICATION FILED JULY 16, 1909.

979,386.

Patented Dec. 20, 1910.



WITNESSES
Frances Patterson.
Robert Patterson.

INVENTOR
Theodor Druzbach
By Thomas Patterson.
ATTORNEY.

UNITED STATES PATENT OFFICE.

THEODOR DRUZHACH, OF HOBOKEN, NEW JERSEY, ASSIGNOR OF ONE-HALF TO GEORGE E. FOERSTER, OF BROOKLYN, NEW YORK.

DISINFECTOR.

979,386.

Specification of Letters Patent.

Patented Dec. 20, 1910.

Application filed July 16, 1909. Serial No. 507,901.

To all whom it may concern:

Be it known that I, THEODOR DRUZHACH, a citizen of the United States, residing in the city of Hoboken, State of New Jersey, have invented a certain new and useful Improvement in Disinfectors, of which the following is a specification.

This invention has in view the provision of an improved disinfecting apparatus more especially designed for the effective disinfection of water-closets and acting when in operation to speedily remove the odors which arise from sewers through the pipes connected with the water-closets.

To this end one embodiment of the invention generally stated consists of a casing having a chamber in which is placed disinfecting material which is automatically fed to a discharge pocket which deposits the disinfecting material into the bowl of the water-closet.

Reference is to be had to the accompanying drawings forming part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1, is a plan of my invention. Fig. 2, is a central vertical section of the disinfecting apparatus, showing the disinfecting material being fed into the discharge pocket. Fig. 3, is a vertical side view of a water-closet bowl with part broken away showing the disinfecting apparatus attached to the cover of the water-closet bowl, depositing the disinfecting material into the bowl.

The invention in its preferred construction comprises a casing of an elongated configuration, having a chamber 1, formed by the rear wall 2, the front wall 3, the sides 4 and 5, and the ends 6, 6^a, 6^b and 7. An opening 8, formed in the end 7 is adapted for inserting the disinfecting material into the chamber 1. A guard 9 is mounted on the end 7 and is inclining downward into the chamber 1 in an angular position toward the inner side of the rear wall 2 and is adapted to prevent the disinfecting material from escaping through the opening 8 when the disinfecting apparatus is in a horizontal position.

A portion of the front wall 3 is depressed at its lower end 10 and forms a funnel shaped configuration with the two converging side pieces 11 and 12, which are mounted in the lower part of the chamber 1, said

funnel shaped configuration being thus provided with an opening 13 through which the disinfecting material is discharged into the pocket 14, and the quantity of disinfectant is shown in the pocket 14 by the dotted line 12^a. The pocket 14 is formed by the depressed end 10 of the front wall 3, the lower ends of the converging side pieces 11 and 12 and an end piece 15 which is mounted in an angular position in the lower end of the chamber 1, and is adapted, when the disinfecting apparatus is in a horizontal position, to allow the disinfecting material, which is contained in the pocket 14, to be deposited freely into the water-closet bowl 23, and when the disinfecting apparatus is in a vertical position to hold the required quantity of the disinfecting material.

The converging side pieces 11 and 12 are so mounted in the chamber 1 that pockets 16 and 17 and 18 are formed by the converging side pieces 11 and 12, the sides 4 and 5 and the end pieces 6, 6^a, 6^b and 15. The pockets 16, 17 and 18 are adapted to receive disinfecting material through the openings 19 and 20, not shown, but which are formed by the diverging ends 19^a and 20^a of the side pieces 11 and 12, not coming into contact with the sides 4 and 5. The pockets 16, 17 and 18 retain the disinfecting material thereby providing a means whereby some of the disinfecting material will always remain in the disinfecting apparatus to disinfect the odors arising from the water-closet when the chamber has been emptied through the discharge pocket 14.

The disinfecting apparatus is attached by means of lugs 21, formed on the rear wall 2 of the casing, to the inside of the cover 22 in a vertical position. When the cover 22 is opened and in a vertical position the disinfecting material is fed automatically through the opening 13 into the pocket 14. When the cover 22 is closed the disinfecting material in the pocket 14 is discharged into the bowl 23. It can readily be seen that only the disinfecting material contained in the pocket 14 will be discharged into the bowl 23 when the cover 22 is closed on the seat 24, and that the pocket 14 is automatically feed with the disinfecting material when the cover 22 is raised to a vertical position. The jar of closing the cover 22 on the seat 24 causes the disinfecting material remaining in the chamber 1 to move back from the opening 13 on

the depressed portion 10 of the front wall 3 of the casing, thereby facilitating the feeding of the disinfecting material to the pocket 14 when the cover 22 is raised to a vertical position.

It will be seen that my improved disinfecting apparatus is adapted for attachment and operation with any form of cover which is hinged to a water-closet bowl or other receptacle.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:—

In a disinfecting apparatus, the combination of a casing having a chamber therein, the lower end of the front wall of said casing having a portion thereof depressed, two converging side pieces mounted in the lower end of said chamber forming with said depressed portion of said front wall a funnel shaped configuration, a pocket formed at the lower end of said funnel shaped configura-

tion by means of the two converging side pieces, the depressed portion of the front wall of said casing and an end piece mounted in the lower end of said chamber and adjacent to the lower ends of said two converging sides, said pocket being adapted to receive and discharge disinfecting material, pockets located on each side of said funnel shaped configuration adapted to receive and retain disinfecting material, an opening located in the upper end of said casing for supplying disinfecting material to said chamber and pockets, and a guard secured to the upper end of said casing adjacent to said opening adapted to prevent the disinfecting material from escaping from the chamber when the disinfecting apparatus is in a horizontal position.

THEODOR DRUZHACH.

Witnesses:

HERBERT PATTERSON,
FRANCES PATTERSON.