

D. & H. H. GOLDMAN.
 SANITARY FIXTURE FOR WATER CLOSETS.
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Patented Jan. 17, 1911.

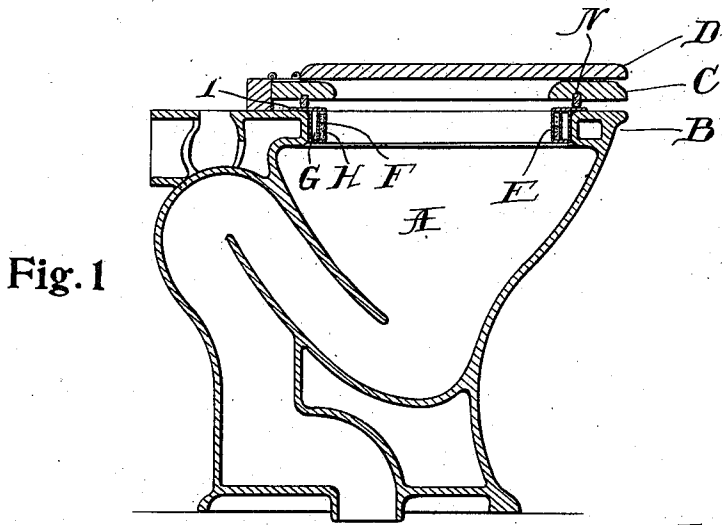


Fig. 1

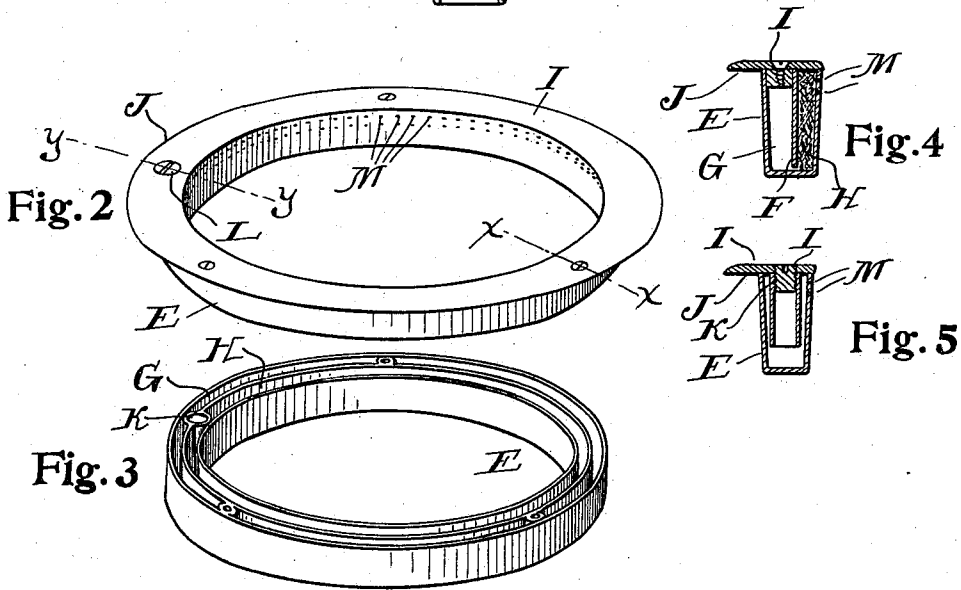


Fig. 2

Fig. 3

Fig. 4

Fig. 5

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UNITED STATES PATENT OFFICE.

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SANITARY FIXTURE FOR WATER-CLOSETS.

981,636.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that we, DAVID GOLDMAN and HIRSCH H. GOLDMAN, citizens of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Sanitary Fixtures for Water-Closets, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates more specifically to an attachment to water-closets for the disinfection of the bowl and the invention consists in a novel fixture forming a disinfectant receptacle which is to be used in connection with the bowl all as more fully hereinafter described and shown in the accompanying drawings, in which:—

Figure 1 is a vertical central section through a bowl of known construction with our invention in position therein; Fig. 2 is a detached perspective of the fixture; Fig. 3 is a similar view with the cover of the fixture removed; Fig. 4 is a cross-section on line $x-x$ of Fig. 2, and Fig. 5 is a cross-section of Fig. 2 in line $y-y$.

In the drawings, A is the water closet bowl provided with the usual flushing rim B seat C and cover D.

Our invention has reference to the fixture shown detached in Fig. 2 and consists of a hollow annular casting E of a size and shape to fit within the flushing rim of the bowl. This casting forms a tight receptacle and is divided by a partition F into an outer chamber G and an inner chamber H, while the top of the receptacle is formed by a plate-like cover I detachably secured to the receptacle in any suitable manner and of such dimension as to form an outwardly projecting overhanging flange J adapted to support the fixture in position within the flushing rim in the space below the seat. The cover I is provided with a suitable fill opening K closed by a valve or plug L and communicating with the space G. The in-

ner wall of the receptacle is provided near its top with perforations M and the chamber H is filled with absorbent material.

In practice, the chamber G which communicates at the bottom with the chamber H is filled with a suitable disinfectant which, by absorption saturates the absorbent material in the chamber H and passes in fumes or vapors into the interior of the bowl. To prevent a diffusion into the outer air we provide the underside of the seat C preferably with a rubber ring N which sets down tightly upon the cover I of the fixture and thereby prevents the escape of the fumes into the outer air when the cover D is closed.

What we claim as our invention is:—

1. A disinfectant receptacle of annular shape adapted to fit into the flushing rim of a water-closet bowl and provided with an outwardly extending rim flange adapted to support the receptacle upon the rim of the bowl beneath the seat, the receptacle having a division wall dividing it into an outer annular chamber for the reception of a disinfectant and an inner annular chamber having a perforated inner wall, and an absorbent material in said inner chamber.

2. A sanitary fixture for water-closets consisting of a ring-shaped hollow metal casting forming a receptacle adapted to fit within the mouth of the bowl and provided with a removable cover adapted to removably support the fixture upon the rim of the bowl, the casting being provided with an interior wall dividing the space therein into an inner and outer annular chamber, and an absorbent material within the inner chamber.

In testimony whereof we affix our signatures in presence of two witnesses.

DAVID GOLDMAN.
HIRSCH H. GOLDMAN.

Witnesses:

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