

C. LEDWICH.

Water-Closet Seats.

No. 129,039.

Patented July 16, 1872.

Fig.1.

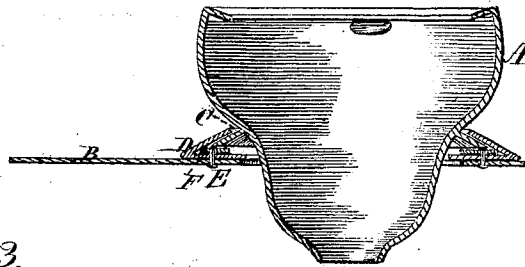


Fig.3.

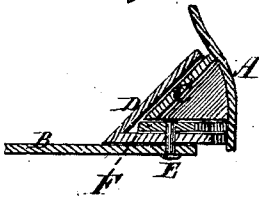
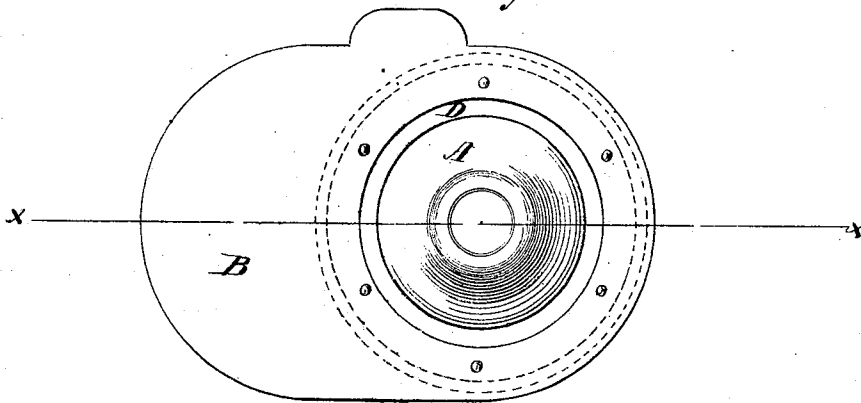


Fig.2.



Witnesses:

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CHARLES LEDWICH, OF FISHKILL LANDING, NEW YORK.

IMPROVEMENT IN WATER-CLOSET SEATS.

Specification forming part of Letters Patent No. 129,039, dated July 16, 1872.

Specification describing a new and useful Improvement in Water-Closet Fixtures, invented by CHARLES LEDWICH, of Fishkill Landing, in the county of Dutchess and State of New York.

The object of this invention is to improve the mode now in common use of setting the bowls of water-closets.

The usual mode is to set the flange of the bowl in putty. This putty is liable to become loose and get displaced, which endangers the bowl, and renders instant repairs necessary. The difficulty of getting at the source of the trouble renders the services of the plumber expensive, while the gases thus liberated are a constant source of annoyance, as well as detrimental to health. I avoid all this trouble by applying a double rubber packing-ring to the flange of the bowl in the manner hereinafter described.

In the accompanying drawing, Figure 1 represents a vertical section of the bowl and packing on the line *xx* of Fig. 2. Fig. 2 is a top view. Fig. 3 is a detail, showing the packing enlarged.

Similar letters of reference indicate corresponding parts.

A represents the bowl. B is the metallic top plate of the closet fixture. C is the flange on the bowl. D is a double rubber ring, which surrounds the bowl. This ring is of V-form, and the flange of the bowl is received between

the parts or in the acute angle thus formed. The rubber packing-ring is attached to the metallic top plate B by rivets or screws E. F is a metallic band placed in the angle of the rubberpacking, through which the rivets or screws pass, as seen in Fig. 3. The lower member of the rubber packing-ring is thus firmly connected with the top plate B. The upper member tightly embraces the flange of the bowl, and makes a perfectly tight joint, excluding all offensive odors. This joint is not only gas and water tight, but is sufficiently flexible to withstand the jarring and hard usage to which water-closet fixtures are subjected, and which soon destroys the ordinary joint.

I do not confine myself to the precise form of the packing-ring, nor to the precise arrangement of the other parts described.

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

1. The double rubber ring D, in combination with the bowl A and top plate B, substantially as and for the purposes described.

2. The metallic ring F, in combination with the packing-ring D and plate B, as and for the purposes described.

CHARLES LEDWICH.

Witnesses:

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