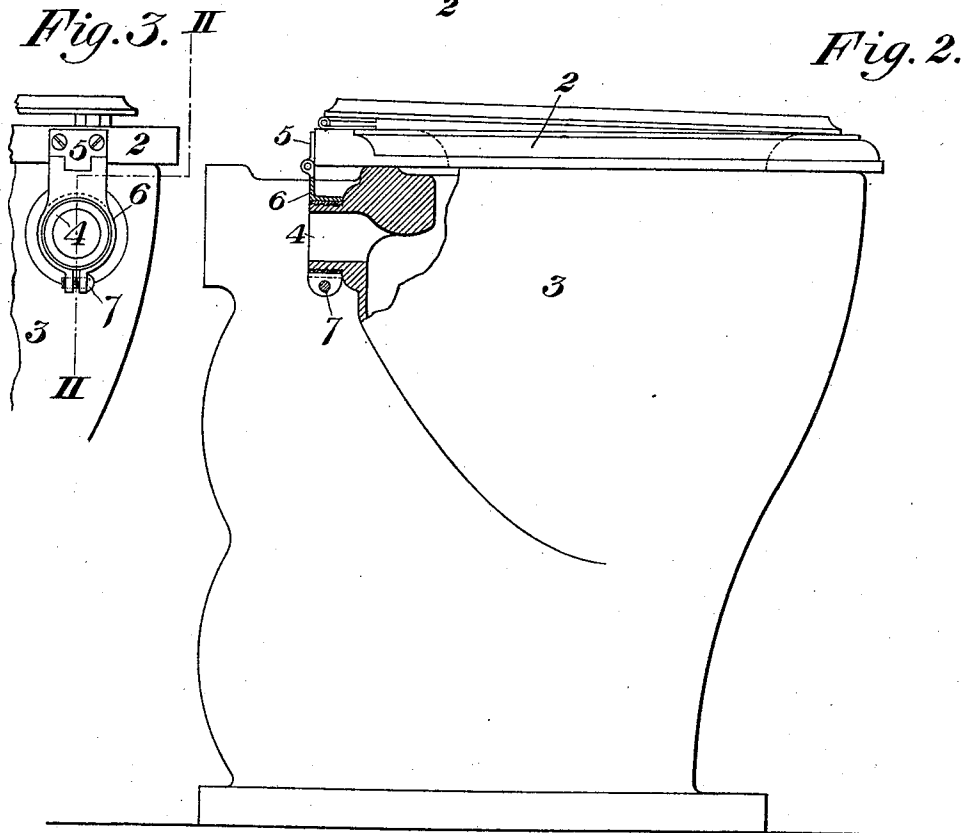
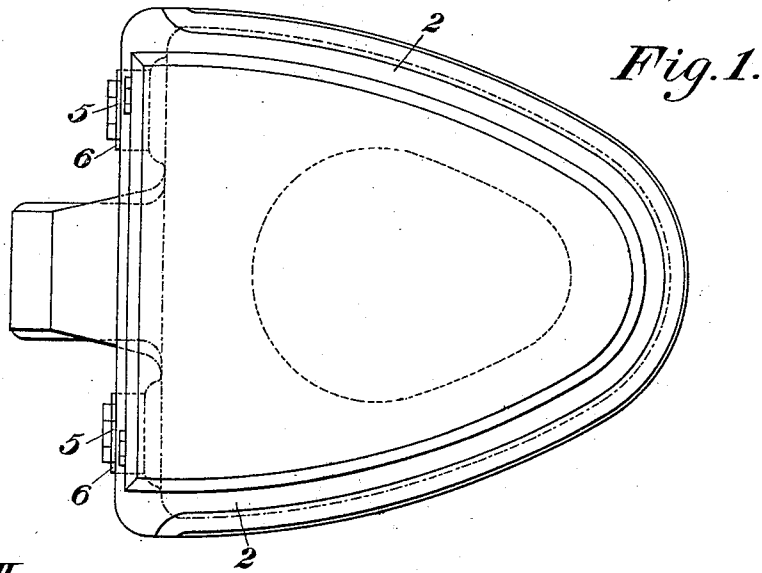


(No Model.)

T. GRACE.
WATER CLOSET SEAT.

No. 512,955.

Patented Jan. 16, 1894.



WITNESSES

H. M. Corwin
A. L. Gill

INVENTOR

Thomas Grace
by Th. Bakewell Sons
his attorneys

UNITED STATES PATENT OFFICE.

THOMAS GRACE, OF PITTSBURG, PENNSYLVANIA.

WATER-CLOSET SEAT.

SPECIFICATION forming part of Letters Patent No. 512,955, dated January 16, 1894.

Application filed January 5, 1893. Serial No. 457,335. (No model.)

To all whom it may concern:

Be it known that I, THOMAS GRACE, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful
5 Improvement in Water-Closet Seats, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, in which—

Figure 1 is a plan view of my improved water-closet lid. Fig. 2 is a side elevation of a
10 water closet bowl provided with my improved lid, being shown partially in section on line II—II of Fig. 3. Fig. 3 is a partial rear elevation.

15 My invention consists in an improved hinged seat for water closets, comprising in combination with the seat or lid, a hinge, one of the members of which is formed with a clamp adapted to be fitted to a projection or
20 pipe on the back of the bowl, which affords support to the hinge.

In the drawings, 2 represents a water-closet seat. 3 is the bowl to which it is applied, said bowl having on its rear projections 4, which
25 are frequently applied to serve the purpose of venting the bowl. Each of the hinges of the seat has members 5, 6, of which the member 5 is adapted to be fixed to the seat, while the member 6 is a clamp collar, divided as
30 shown, preferably lined with an interior rubber gasket, and having a screw 7, or other

means, by which it may be compressed. The collars 6 are fitted around the projections 4 on the bowl, and are clamped thereto. The hinges are thus supported and held in a very
35 convenient and effective manner, affording an open structure conforming in principle to the best rules of sanitary plumbing.

The advantages of my invention will be appreciated by those skilled in the art.

I claim—

1. A water-closet seat or lid having a hinge, whose lower member is provided with a clamp collar arranged to encircle a vent upon the
40 bowl; substantially as described.

2. A water-closet seat or lid having hinges, members of which are provided with clamp collars, in combination with a bowl having
45 rear vents on which the collars are fitted; substantially as described.

3. A water-closet seat, having hinges, members of which are provided with clamp collars, arranged to encircle vents upon the bowl, said
50 collars having an elastic lining; substantially as described.

In testimony whereof I have hereunto set
55 my hand.

THOMAS GRACE.

Witnesses:

W. B. CORWIN,
H. M. CORWIN.