A. WALDRON.

Water-Closet Seat.

No. 203,225. Patented April 30, 1878.

Fig. 1.

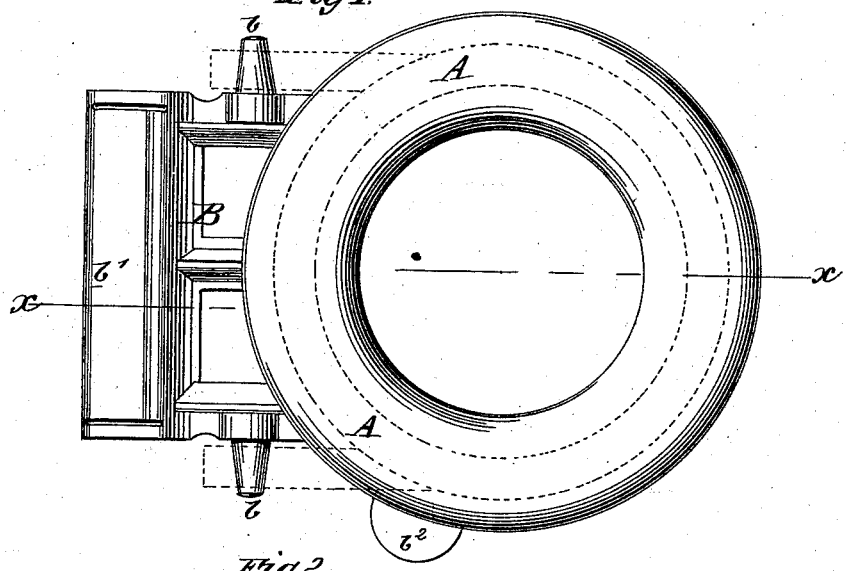


Fig. 2.

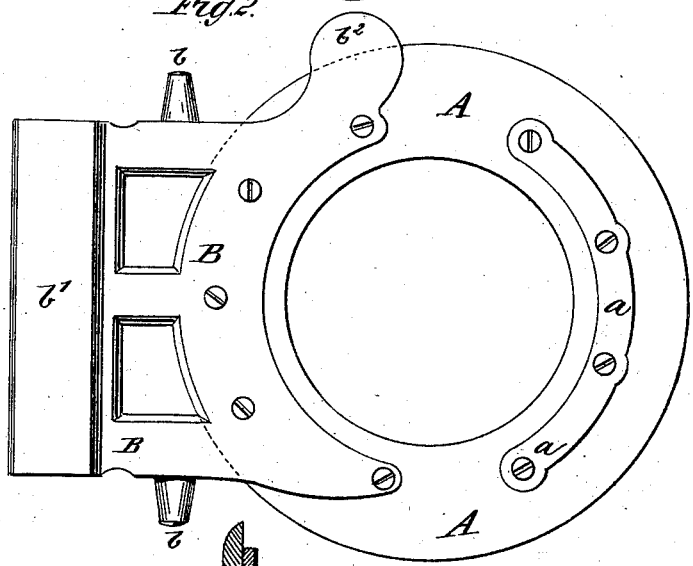
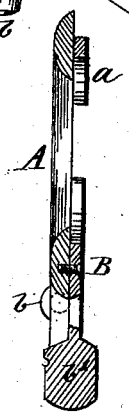


Fig. 3.



WITNESSES:

Francis. McArdle.

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INVENTOR:

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UNITED STATES PATENT OFFICE.

ALEXANDER WALDRON, OF NEW YORK, N. Y.

IMPROVEMENT IN WATER-CLOSET SEATS.

Specification forming part of Letters Patent No. **203,225**, dated April 30, 1878; application filed April 13, 1878.

To all whom it may concern:

Be it known that I, ALEXANDER WALDRON, of the city, county, and State of New York, have invented a new and Improved Water-Closet Seat, of which the following is a specification:

The object of my invention is to provide an improved mode of weighting the seats of water-closets in such a manner as to cause the seat to assume a vertical position and uncover the hopper immediately after use, in order not to be liable to be soiled with water when the hopper is used only as a urinary and waste-water receptacle.

The invention consists in the combination, with a water-closet seat, of a weighted pivoting-plate, of cast-iron or other metal, constructed as hereinafter described and claimed.

In the accompanying drawing, Figure 1 represents a top view of a water-closet seat weighted according to my invention, and pivoted to lugs cast upon the hopper, the latter being indicated by dotted lines. Fig. 2 is a plan view of the said seat inverted. Fig. 3 is a section of the same, taken on the line *x x* of Fig. 1.

Similar letters of reference indicate corresponding parts.

A is a wooden water-closet seat of annular shape, and strengthened in front by a curved plate, *a*, fastened to its under side. B is a plate, of cast-iron or other metal, thick enough to be of sufficient strength, and secured by screws or otherwise to the under side of the rear of the seat A. The plate B is of a width suitable to the distance between the bearings on the hopper, and is provided on opposite edges with the horizontal pivots *b*, in axial line with each other, said line being at right angles to the radius drawn to its center from the center of the seat A. Beyond the axial line of the pivots *b* and the seat A the extended plate B is cast so much heavier at b^1 as to overbalance and turn the seat A upon the pivots *b* in the lugs of the hopper, and raise it out of the way of the latter when the pressure incidental to its use is removed from the front of the seat.

The part of the plate B situated in or about the pivotal line between the seat A and the weighted part b^1 may be perforated to avoid unnecessary weight, and strengthened by ornamental feathers cast on it, as shown in the drawing.

In weighted seats, as heretofore constructed, a board is fastened on a horizontal flange on the rear of the hopper, and the seat (fastened by butt-hinges to the said board) is raised by a loose weight suspended on a hook upon the rear end of an iron bar, which is fastened underneath the seat, at one side thereof, and projects in rear of the hinge. This said construction is very liable to soon wear out and get out of order, particularly as the weight, being on one side only, tends to warp the hinges; but by my invention the weight is equally distributed to bear alike on both pivots *b*, and the construction is simple, neat, and strong.

b^2 is a lug or extension formed upon the plate B, in position to depress and open the wash-valve when the seat is used.

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

The combination, with a water-closet seat, A, of a cast-metal plate, B, secured to the under side of the rear of the seat, and provided on opposite edges with horizontal pivots *b*, in axial line, to adapt the seat to be hinged on lugs cast on the hopper, said plate B extending behind the seat A and beyond the pivotal line, and being increased in weight along its extreme edge, so as to overbalance and raise the seat A, relieved from counter-pressure, substantially as set forth.

ALEXANDER WALDRON.

Witnesses:

A. W. ALMQVIST,

C. SEDGWICK.