

J. N. Davis,

Privy Seat.

No. 105,782.

Patented July 26, 1870.

Fig. 2.

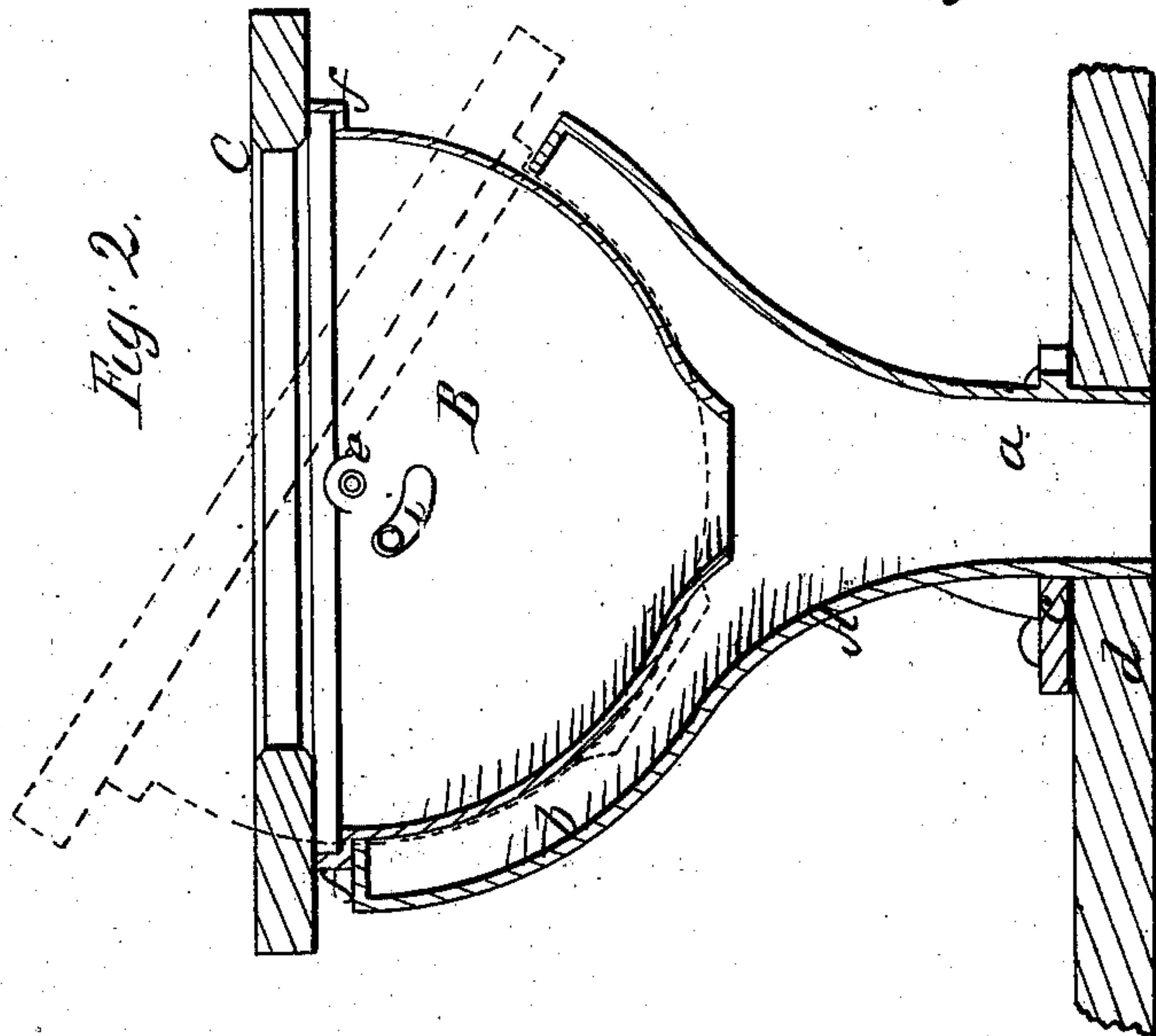
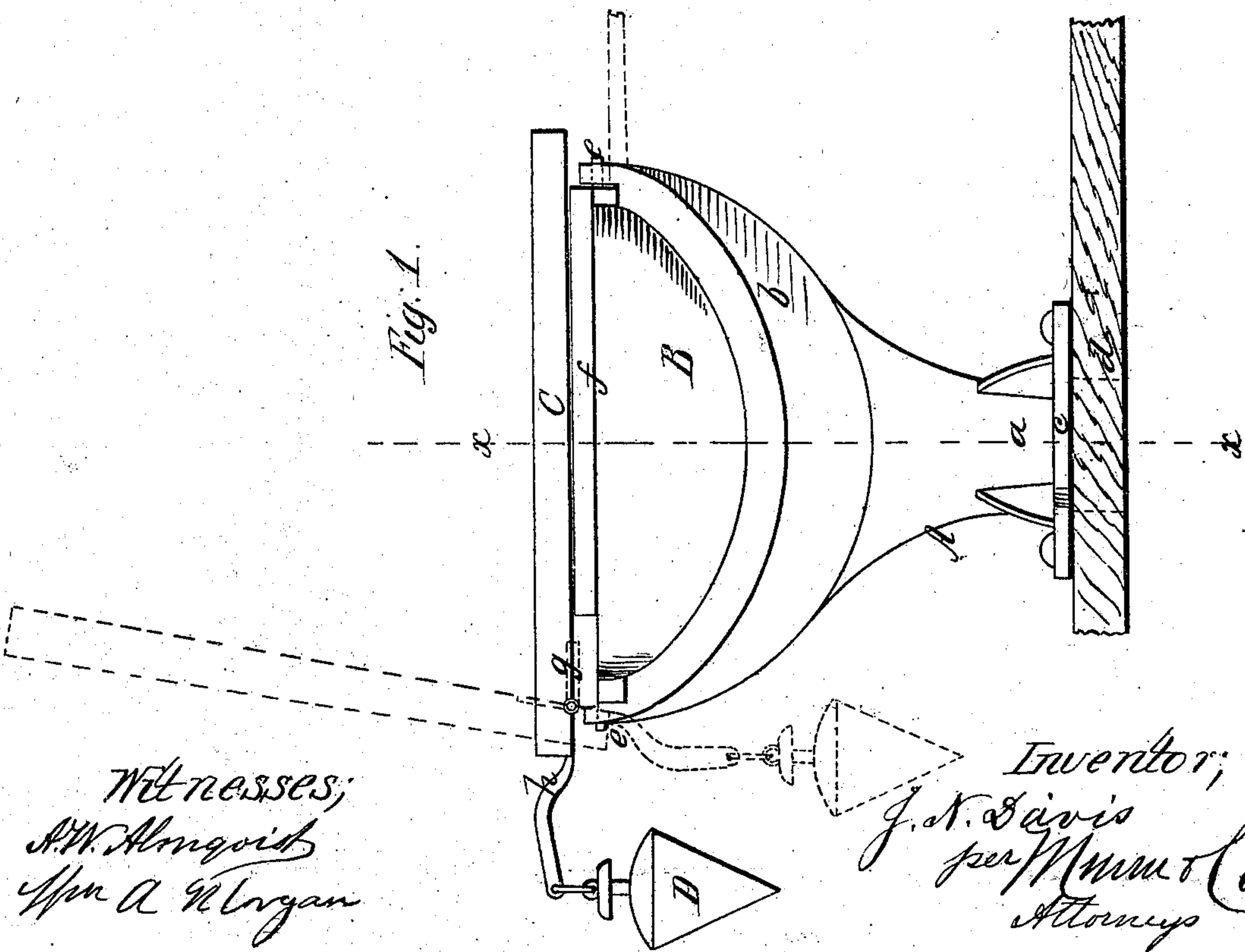


Fig. 1.



Witnesses;
A. W. Almgren
per A. W. Bryan

Inventor;
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per M. M. Co
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United States Patent Office.

JAMES N. DAVIS, OF CINCINNATI, OHIO, ASSIGNOR TO HIMSELF, AND
J. C. GRANNAN, OF SAME PLACE.

Letters Patent No. 105,782, dated July 26, 1870.

IMPROVEMENT IN WATER-CLOSETS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JAMES N. DAVIS, of Cincinnati, in the county of Hamilton and State of Ohio, have invented a Combined Water-Closet Privy-Seat and Urinal; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

This invention relates to a new and useful combination of a water-closet privy-seat and urinal and is an improvement upon certain water-closet devices for which Letters Patent were granted to me September 5, 1865, and July 31, 1866, and numbered, respectively, 49,731 and 56,724.

The present invention consists in constructing and arranging the seat in such a manner that it will swing or tilt, and prevent a person using it in an improper manner, that is to say, by standing upon it with the feet; the seat, also, when not in use, being retained in a vertical position, so that the closet may be used as a urinal, and also as a sink, to receive the contents of slop-pails, chamber-vessels, &c.

The object of the invention is to obtain a simple and practicable means for keeping water-closets in a cleanly condition, and without rendering them liable to get out of repair, or having the parts so arranged that they will, when repairs are necessary, be difficult to get at and put in perfect working order.

In the accompanying drawing—

Figure 1 is a front view of my invention.

Figure 2, a vertical section of the same, taken in the line *x x*, fig. 1.

Similar letters of reference indicate like parts.

A represents a standard or fixed support for the seat and its attachments. This standard or support may be of cast-iron; that would probably be the preferable material. It is hollow, and its lower part *a* may be described as a cylindrical tube, and its upper part *b* expands, forming a portion of a hollow sphere.

The lower part *a* is provided with a flange, *c*, by which the standard or support is secured to the floor *d* of the water-closet, and the lower part *a* extends below the floor *d*, or sufficiently downward to admit of the foul-pipe being connected to it.

B represents a bowl, which is a semi-sphere, or of a form approximating thereto, and may, like the standard or support A, be of cast-iron, and it is provided at its upper part with journals *e*, at opposite points, which journals are fitted in suitable bearings in the upper part of the standard or support, the bowl being about balanced on its journals.

The upper part of the bowl has a flange, *f*, all around it, and the rear side of the upper part *b* of the standard or support extends upward sufficiently high to prevent the rear part of the bowl descending be-

low a horizontal position, as the flange *f* will rest upon it, as shown in fig. 2.

The front part of the standard, however, is hollowed out, so as to admit of the front part of the bowl tilting down to quite an inclined position, as shown in red in fig. 2.

C is the seat, which may be constructed of wood, and is attached by hinges *g* to one side of the upper part of the bowl B, the seat having an arm, *h*, extending from it, to which a weight, D, is attached, the weight being sufficiently heavy to hold the seat C in an upright position, (as shown in red in fig. 1,) when the seat is not in use.

By having the bowl hung on journals, it will be seen that the seat, when it is used, will assume a more or less inclined position, according to size or height of the person upon it, and will further be seen that a person cannot use it by standing upon it.

It is designed to have the seat, the rear part thereof, sufficiently near the rear wall of the closet to prevent a person standing upon its rear part, to obviate the tilting of the bowl.

By this means I dispense with the guard used for the same purpose on the seat in my previous patent of 1865.

The water-supply pipe passes through a hole in the upper part of A, and through a curved slot, *i*, in the bowl B, and is bent or curved so as to direct the water around the interior of the bowl.

The curved slot *i*, it will be seen, admits of the free tilting movement of the bowl.

Any suitable valve to supply water-pipe may be used, and may be placed immediately in front of the standard or support, under the floor *d*, and operated by a hinged platform whenever the latter is stepped upon by a person designing to use the water-closet, and any suitable stench-trap may be employed.

The seat C, in consequence of being hinged, and having a weight attached, as shown, leaves the bowl B fully exposed, so that it may be conveniently used as a urinal or as a sink to receive slops, &c.

I do not claim, separately, the pivoted or tilting bowl B, for that has been previously used, and is shown in my Letters Patent of 1865. Nor do I claim, separately, any other part of the device; but

I do claim as new, and desire to secure by Letters Patent—

The tilting bowl B, combined with a seat, which forms one arm of a weighted lever, C H D, whereby the two vibrate on their centers of motion in arcs of different magnitude, as and for the purpose described.

JAMES N. DAVIS.

Witnesses:

N. MARCHANT,
THOS. R. FROST.