

J. ALBEE.
Water-Closets.

No. 136,199.

Patented Feb. 25, 1873.

Fig. 1.

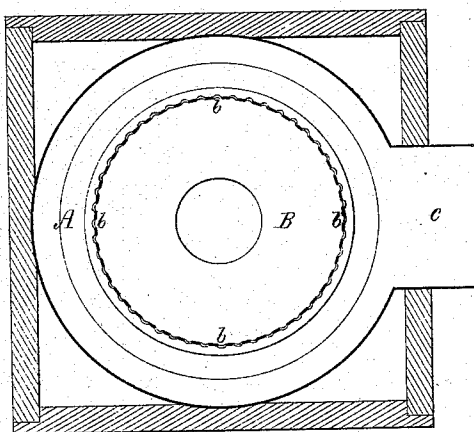


Fig. 2.

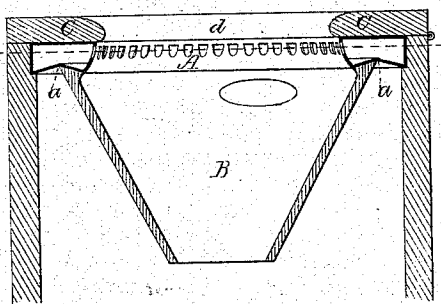


Fig. 3.

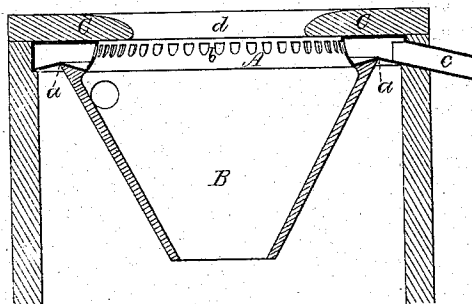


Fig. 4.

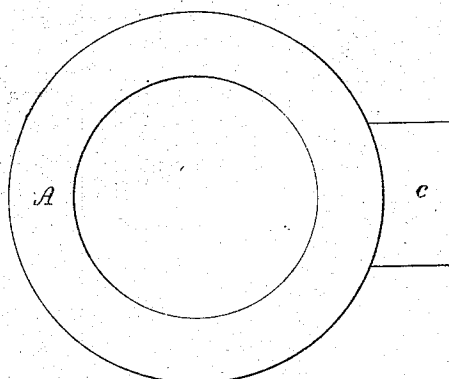
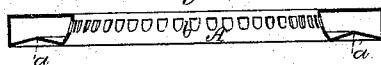


Fig. 5.



Witnesses:

S. W. Piper

G. N. Mollen

James Albee.

by his attorney.

R. H. Eady

UNITED STATES PATENT OFFICE.

JAMES ALBEE, OF CHELSEA, MASSACHUSETTS.

IMPROVEMENT IN WATER-CLOSETS.

Specification forming part of Letters Patent No. 136,199, dated February 25, 1873.

To all whom it may concern:

Be it known that I, JAMES ALBEE, of Chelsea, of the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Water-Closets; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawing, of which—

Figure 1 is a horizontal section, and Figs. 2 and 3 are vertical and transverse sections, of a water-closet with my improvement or invention. Fig. 4 is a top view, and Fig. 5 a transverse section, of the annular ventilator which circumscribes the top of the pan.

The purpose of my invention is to ventilate the pan in order to prevent the escape through the seat-opening of any offensive odor after a deposit of feces in the pan.

To accomplish this I make use of a hollow annulus, A, formed with a groove or channel, *a*, to receive, rest upon, and fit to the upper edge of the pan B, and I provide such annulus, on its inner periphery, with a series of holes, as shown at *b*, and, on its outer periphery, with an educt, *c*, to lead into a pipe or flue for the discharge of the vitiated air. The seat is shown at C as constructed with a seat-hole, *d*, of a diameter less than the inner diameter of the annular ventilator, all being as shown.

In practice the ventilator made and arranged with a water-closet pan and seat in manner as described has been found to be highly effective, and to thoroughly prevent the escape through the seat of any offensive odor. Being arranged on the top of the pan and immediately underneath the seat, and having its inducts disposed around the seat-opening, it readily intercepts and carries off any gases from deposits in the pan. The openings into the ventilators being arranged in close proximity to the position where the air in the pan comes in contact with the posterior of a party while sitting upon the seat, readily receive the warmed air, which, passing through the ventilator, induces a corresponding influx of cooler air downward through the seat, thereby preventing the escape of odor upward through the seat.

I claim—

The annular ventilator, substantially as described, and also as combined and arranged with the water-closet pan, or with such and the seat, essentially as specified.

JAMES ALBEE.

Witnesses:

R. H. EDDY,
J. R. SNOW.