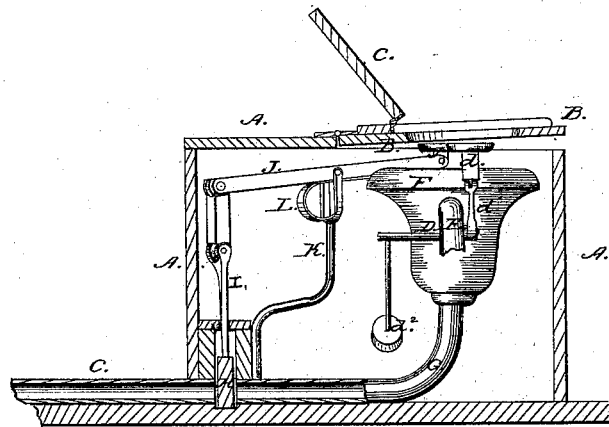


*O. S. Pettit,*  
*Water Closet.*

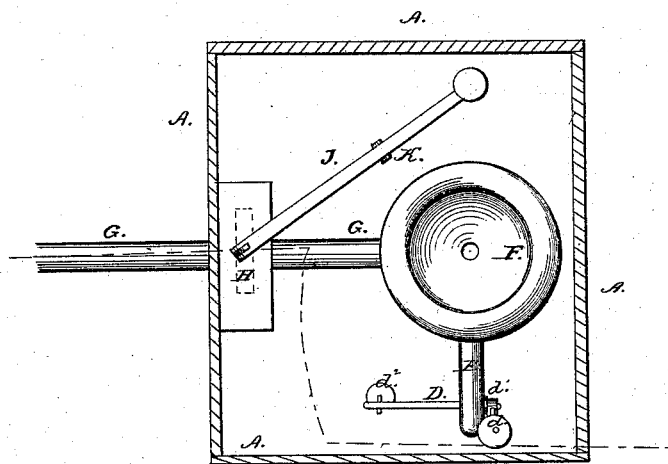
*N<sup>o</sup> 54,766.*

*Patented May 15, 1866.*

*Fig. 1.*



*Fig. 2.*



*Witnesses:*

*J. B. Livingston*  
*Wm. Brewster*

*Inventor:*

*O. S. Pettit*  
*Per Munn & Co.*  
*Attys.*

# UNITED STATES PATENT OFFICE.

OLIVER S. PETTIT, OF BROOKLYN, NEW YORK.

## IMPROVEMENT IN WATER-CLOSETS.

Specification forming part of Letters Patent No. 54,766, dated May 15, 1866.

*To all whom it may concern:*

Be it known that I, OLIVER S. PETTIT, of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Water-Closets; 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 drawings, forming part of this specification, in which—

Figure 1 is a vertical section taken through the line *xx*, Fig. 2. Fig. 2 is a top view of my improved water-closet, the cover being removed.

My invention has for its object to so improve the construction of water-closets that the unpleasant effluvia may not ascend through the discharge-pipe and be disseminated through the building; and it consists in combining with the discharge-pipe and with the seat or cover of the pan a valve opening automatically to permit the escape of the contents of the pan, and closing when the pressure upon the cover is removed.

A is the box or seat of the closet. B is the cover, and C the lid, of the same. The cover B is hinged to the box or seat A, and supported in a partially-open position by a spring in the ordinary manner.

The lid C is hinged to the cover B, as shown. D is the valve of the water-pipe E, which is opened by the head *d* of the valve-stem *d'* being pressed down by the cover B when the closet is used, permitting a flow of water into the pan F, and it is closed by the weight *d''* when the pressure upon the cover B is removed.

G is the discharge-pipe through which the

contents of the pan F escape as they are washed down by the flow of water from the pipe E.

The pipe G is cut across a short distance below the pan F, and the cut or opening is closed by a sliding valve, H. To the upper edge of the valve H is attached a rod, I, the other end of which is pivoted to one end of the lever J. This lever is pivoted to a support, K, and its free end terminates in a head, *j*.

When the closet is used the cover B presses upon the head *j*, which operates the lever J and opens the valve H, permitting the escape of the contents of the pan F through the discharge-pipe G into the sewer. When the pressure upon the cover B is removed the lever J is forced back into its former position and the valve H closed by a spring, L. By this improvement the pipe G is always free for the escape of the contents of the pan F when the closet is in use and always closed at all other times, preventing the escape of all noxious gases and odors from the sewer through the pipe G into the building, and consequently all unpleasant or injurious effects from the proximity of the closet to inhabited or occupied rooms.

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

The combination of the valve H, rod I, and lever J with the discharge-pipe G and cover B of a water-closet, substantially as described, and for the purpose set forth.

OLIVER S. PETTIT.

Witnesses:

M. M. LIVINGSTON,  
JAMES T. GRAHAM.