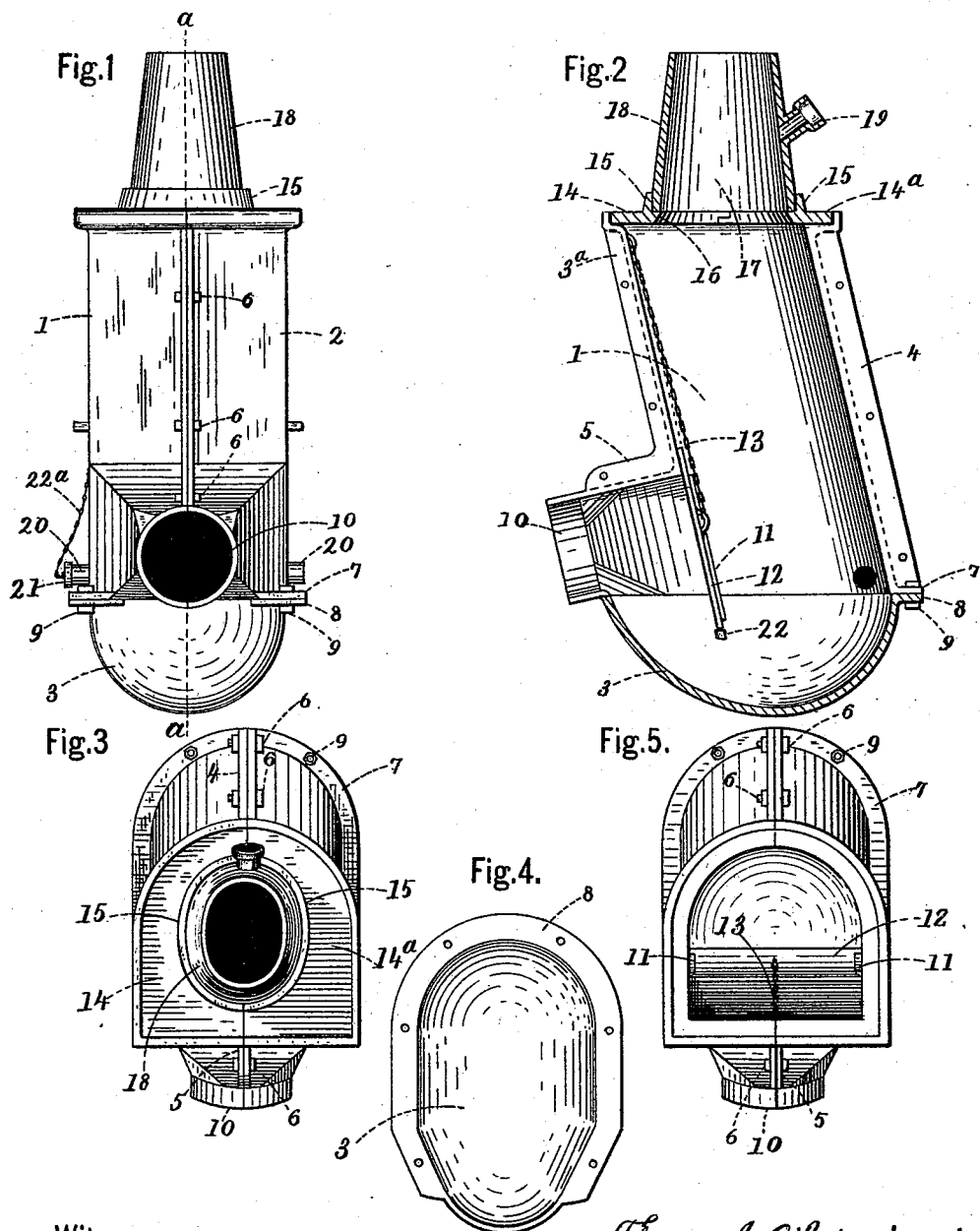


(No Model.)

T. J. O'BRIEN.  
SELF CLEANING OUTSIDE WATER CLOSET.

No. 490,719.

Patented Jan. 31, 1893.



Witnesses.

Arthur J. Sangster.  
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# UNITED STATES PATENT OFFICE.

THOMAS J. O'BRIEN, OF BUFFALO, NEW YORK.

## SELF-CLEANING OUTSIDE WATER-CLOSET.

SPECIFICATION forming part of Letters Patent No. 490,719, dated January 31, 1893.

Application filed October 17, 1892. Serial No. 449,094. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS J. O'BRIEN, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Self-Cleaning Outside Water-Closets, of which the following is a specification.

My invention relates to certain improvements in self cleaning outside water closets, all of which will be fully and clearly hereinafter described and claimed, reference being had to the accompanying drawings, in which:—

Figure 1 is a front elevation of the device complete. Fig. 2 is a vertical central section in or about line *a a*, Fig. 1. Fig. 3 is a plan or top view of the device complete. Fig. 4 is a detached plan view of the lower concave portion of the water closet. Fig. 5 is a plan or top view of all that portion of the closet below the upper removable portion. These top portions being omitted so as to expose the interior construction.

The main body of the receiver of the closet is constructed in three parts, the two side portions 1 and 2, and the bottom concave portion, 3. The two side portions are each provided with flanges, 3<sup>a</sup>—4 and 5, made to fit closely together and are secured rigidly together by bolts, 6. At the bottom each side piece 1 and 2, is a flange 7 adapted to receive and fit the flange 8, of the concave bottom piece, 3, to which they are secured by bolts, 9. The front of this receiver is provided with an outlet opening pipe, 10. This pipe 10 is designed to receive the end of the pipe or tile leading to the sewer. The rear portion of the sides 1 and 2 are curved and the front portions are square or flat, substantially as shown.

Each of the pieces 1 and 2 is provided with an upwardly inclining slideway, 11, so that when put together these slideways are directly opposite each other so that a shut off plate, 12, can fit in said slideways and be moved up or down to open or close the trap formed by it when down. It is kept from moving down too far by means of a lug 22 on each side of the concave portion 3, or a chain, 13, see Figs. 2 and 5. This chain, 13, is also used to draw it up when it is desired to open the trap to clean it out. It will be noticed

that as these slideways incline over from the perpendicular, they will in a short time become filled with dust and other matter that flows through it and become filled up so that the trap or slideways are perfectly tight, at the same time it can be easily opened when required for cleaning.

At the top of the parts 1 and 2 is a surrounding recess in which are fitted two removable plates 14 and 14<sup>a</sup>, see Figs. 2 and 3. These two plates are each provided with a half oval upwardly projecting rim, 15, making a complete oval when the two are in place as in Fig. 3, within this oval is a small inwardly projecting flange, 16, see Fig. 2, leaving an oval opening, 17, in or about the center of the two plates, the flange, 16, surrounding it. Within the rim, 15, is fitted a removable cone shaped tubular portion, 18. In one side of the portion 18, is a short pipe, 19, adapted to receive the end of a conductor pipe from a house or from any source to supply water.

On one or both sides of the main body of the closet is a short pipe, 20, to which a pipe may be attached to supply water, these pipes are each provided with a removable cover, 21, secured to them by a chain, 22<sup>a</sup>, so that they can be used or not as desired.

The device is placed immediately below the closet seat in which it is used and the lower opening connected with the sewer as hereinbefore mentioned. The pipe, 19, at the top also being connected with a suitable water supply as before mentioned. The supply pipe is intended to wash out the matter that gathers in the lower part, 3, and if it should at any time become filled with solid matter it can be easily forced out by raising the shut off plate 12, and lifting it up and forward with a hoe or other suitable means, and allowing a supply of water to wash it over into the sewer pipe.

I claim as my invention.

1. An outside water closet consisting of a lower or receiver portion provided with an outlet pipe to connect with the sewer and having a trap or shut off plate mounted in slideways so as to open or close the trap, in combination with a cone shaped portion, 18, provided with an inlet pipe to connect with a suitable water supply substantially as described.

2. In an outside water closet, the combination with a receiver having a pipe to connect with a sewer, a sliding shut off plate connected by a chain with said receiver and  
5 mounted in inclined slideways, a tubular removable portion adapted to fit within a rim at the top of said receiver and a water inlet

pipe connected to one side of said tubular portion, as and for the purposes described.

THOMAS J. O'BRIEN.

Witnesses:

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