

(No Model.)

W. T. FOX.
WATER CLOSET.

No. 518,753.

Patented Apr. 24, 1894.

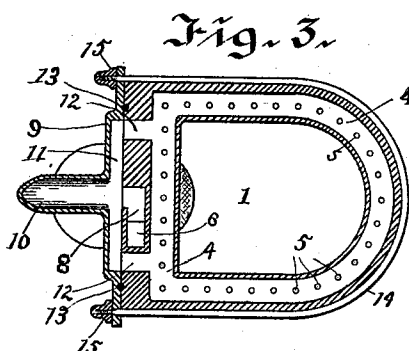
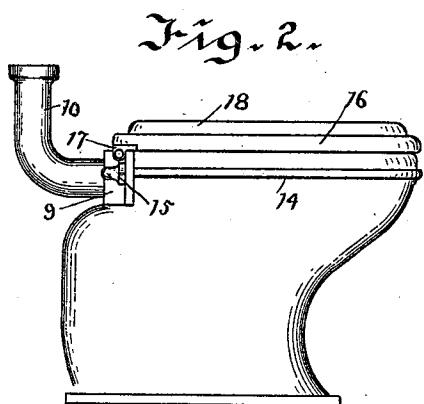
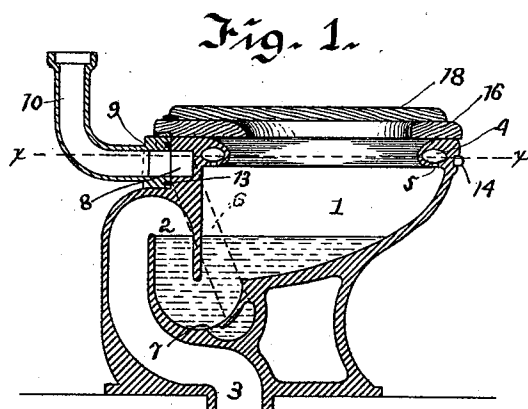
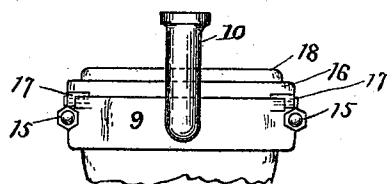


Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM T. FOX, OF ROCHESTER, NEW YORK.

WATER-CLOSET.

SPECIFICATION forming part of Letters Patent No. 518,753, dated April 24, 1894.

Application filed October 17, 1893. Serial No. 488,377. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM T. FOX, of Rochester, in the county of Monroe and State of New York, have invented certain new and
5 useful Improvements in Water-Closets; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, and
10 to the reference-numerals marked thereon.

My present invention has for its object to provide an improved water-closet particularly of the type having the bowl and trap constructed of porcelain or earthenware,
15 which shall be simple in construction, easily set up in position for use, and the water-pipes readily attached, without the necessity heretofore existing of using bolts or screws passing through apertures in the earthenware,
20 and to these and other ends the invention consists in certain novelties in construction and combinations of parts, all as will be hereinafter fully described and the novel features
25 specified.

In the drawings: Figure 1 is a longitudinal sectional view of a closet constructed in accordance with my invention; Fig. 2, a side elevation of the same; Fig. 3, a horizontal
30 section on the line $x-x$ of Fig. 1, and Fig. 4, a rear elevation of the upper portion.

Similar reference numerals in the several figures indicate similar parts.

The bowl or base of my improved closet is
35 constructed as usual of a single piece of earthenware, porcelain or similar material, as this kind is cleanly and serviceable, though it could, if desired, be made of other material, and is provided with the bowl or basin 1,
40 trapped passage 2, discharge pipe 3, and a water-chamber 4 extending around near the top of the basin 1, and having apertures 5 for flushing and washing the latter. Formed also in the base is the passage 6 having a jet orifice 7 for discharging the contents of the bowl
45 through the trap, this passage terminating at its upper end in a chamber 8, as in Figs. 1 and 3.

9 indicates a rear plate or casting preferably of metal, having the pipe connection
50 at the rear connected to the flushing water-

tank or other suitable water-supply. This plate is recessed somewhat forming a water-chamber 11 at the rear of the base connected
by the channels 12 with the water-chamber 55 4 and also in communication with the chamber 8. Between the inner side of this plate 9 and the bowl is arranged suitable packing 13 adapted to make a water tight joint, and in order to hold the plate in position I extend
60 a metal band 14 around the upper edge of the bowl (preferably entering a suitable recess formed therein) and secure the ends of said band to the plate 9. In the present instance, this is accomplished by threading the
65 ends of the band, passing them through the ends of the plate and applying nuts 15, which latter may be tightened holding the parts securely in position. Not only does this obviate the necessity heretofore existing of providing
70 apertures, ears and special devices, which are liable to be broken in applying the back plate or metal connection required, but also serves to strengthen the top of the bowl and prevent accidental breakage and serves as an
75 ornamental feature when nickel plated.

Other means of fastening and tightening the band will at once occur to those skilled in the art and I do not desire to be confined
80 to the construction shown.

The seat 16 is attached to the plate 9 by means of hinges 17 at the rear side, the pintles of the latter entering suitable apertures formed in the plate, as shown in Fig. 4, and the lid or cover 18 is hinged to the seat in the
85 usual manner. By mounting the seat on the plate 9 to which the water-pipe is connected, it will be noted that only a single connection with the crockery bowl is necessary, which I regard as a valuable feature of the invention
90 irrespective of the means by which the plate is connected, though I prefer to employ the encircling band shown.

While I have termed the part 9 a plate and have shown it only slightly recessed to form
95 a water-chamber; it is obvious that its shape could be variously changed or a recess formed in the rear portion of the porcelain if desired, but for obvious reasons I prefer the construction shown.

It will be further understood that the same plate and band can readily be used to fasten
100

the vent pipes to porcelain bowl closets, the pipe leading from the trap to the chimney corresponding to the water-pipe.

I claim as my invention—

5 1. In a water-closet, the combination with the bowl, and a plate at the rear thereof, of a band encircling the bowl and connected to said plate, and a seat hinged to the plate and
10 scribed.

2. In a water-closet, the combination with the bowl having the water-passages therein, and a plate at the rear thereof having a pipe

connection, and the seat hinged to said plate, of the band encircling the bowl and connected 15 to said plate, substantially as described.

3. In a water-closet, the combination with the bowl having water passages therein, of a plate fastened to the bowl and having the pipe connection thereon, and a seat secured 20 to said plate and extending over the bowl, substantially as described.

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Witnesses:

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