

943,458.

Fig. 1.

Fig. 2.

Fig. 3.

Fig. 1.

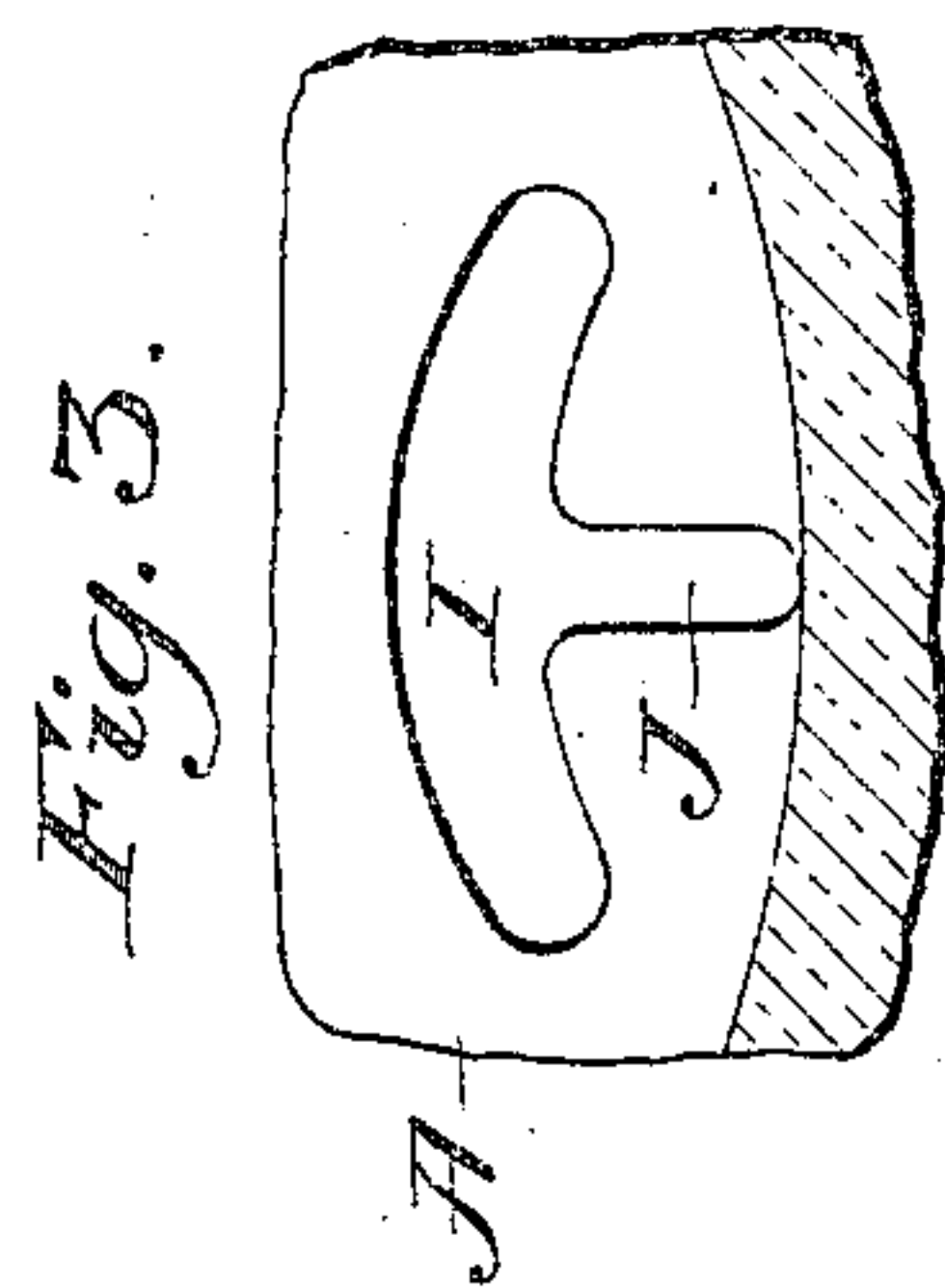
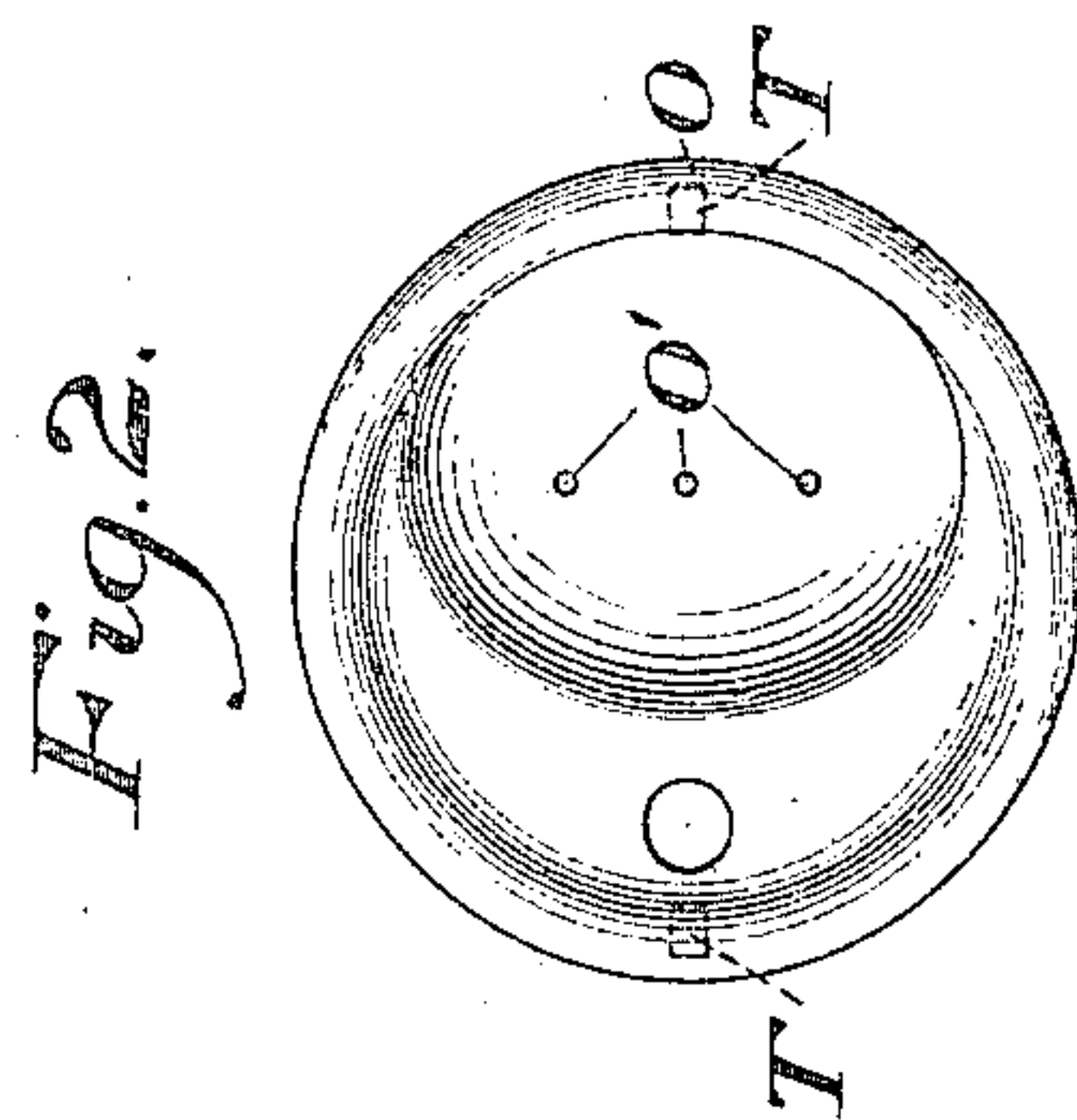


Fig. 3.



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UNITED STATES PATENT OFFICE.

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LAVATORY.

943,458.

Specification of Letters Patent.

Patented Dec. 14, 1909.

Application filed May 31, 1907. Serial No. 376,487.

To all whom it may concern:

Be it known that I, WILLIAM PODMORE, of Trenton, Mercer county, New Jersey, have invented a new and useful Improvement in Lavatories, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a vertical longitudinal section of a lavatory showing one form of my invention; and Fig. 2 is a separate and top plan view of the removable soap dish which I prefer to employ. Fig. 3 shows the portion of the back wall of the basin and the outlet located therein.

My invention relates to lavatories, particularly those made of refractory materials.

The object of the invention is to provide an outlet of such a character that the usual screen is rendered unnecessary, to arrange for free and easy access to the outlet for cleaning purposes; to provide a convenient soap dish which may be secured in place, and to arrange for easy cleaning of the same.

In the drawings, in which I show a preferred form of the invention, A is the bowl of the lavatory, which is preferably formed with an integral reinforced rim having the upper and lower members B and C; and is also preferably provided with the integral back plate G.

The outlet hole from the bowl is of peculiar shape, consisting of a lower narrow vertical slot J, and an upper portion I, which is cut out laterally and made larger than the lower narrow slot. By this peculiar shape small articles such as rings, pins, &c., will be prevented from passing out, while free outflow of water is obtained. The usual screen is thus done away with.

In the rear of the transverse integral partition D I preferably provide outlet chambers K and L separated by the baffle or dam E. The height of this baffle controls the height to which the water can rise in the bowl, the water flowing over the dam to the outlet opening M' when the water rises above such level. In addition to this circuitous path to the outlet, I preferably provide a direct port M leading through the bottom of the dam. This port is provided with a valve or stopper P, which may be raised and lowered by stem R having handle N.

In the rear rim portion of the bowl, above the outlet passages, I preferably provide a

circular opening having opposite bayonet joint slots; and in this opening I set the soap dish O, which is provided with opposite lugs T, T, arranged to slip down into and engage the bayonet joint locking device.

In order to clean out the soap dish, I preferably extend through it a tube S' surrounding the rod R and carrying the cylinder Q containing the piston or plunger P' adjustably secured on the rod R. Water enters the cylinder S through opening Q near its lower end; and in cleaning the soap dish the handle N is raised moving the piston up within the cylinder and forcing the water out through the tube S' into the dish. This water flushes out the dish and runs back through openings O' into the outlet. Easy access to the outlet chambers K and L is thus provided by simply turning the soap dish and lifting its keeper lugs up through the slots. This may be done by pulling up the handle N which will lift out its connected parts and the soap dish from the lavatory.

The advantages of my invention result from the peculiar form of the outlet, from the easy and convenient access to the outlet chambers, and from the peculiar arrangement of the removable soap dish, the means for cleaning it and the plug giving direct connection to the outlet.

Changes may be made in the form and arrangement of the lavatory and its parts without departing from my invention.

I claim:—

1. A lavatory having a bowl with an outlet therefrom, said outlet having an unobstructed upper portion, and a lower portion narrowed to obstruct the passage of small articles; substantially as described.

2. In a lavatory, a bowl having an outlet consisting of a lower narrow vertical slot leading to an enlarged hole in the upper portion of the outlet; substantially as described.

3. A lavatory having a bowl provided with a T-shaped outlet, the horizontal portion thereof having a greater cross-sectional area than the vertical portion; substantially as described.

4. A lavatory having a soap dish removably secured thereto and a tube with means for forcing water through the tube to clean the dish; substantially as described.

5. A lavatory having a soap receptacle, a

flush spout for said receptacle, and a pump arranged to force water from the spout; substantially as described.

5 6. A lavatory having a soap dish removably secured over its outlet chambers, a pump having a pipe extending through the soap dish, and a handle having a portion of the pump secured thereto; substantially as described.

10 7. A lavatory having a soap dish, and a pump located in its outlet passage and arranged to force water into the soap dish to be cleaned; substantially as described.

8. A lavatory having two outlet chambers with a dam between, said dam having a bot- 15 tom hole, a stopper in the hole having a vertically extending rod, a pump pipe surrounding the rod, and an upper removable soap dish through which the rod and pump pipe extend; substantially as described. 20

In testimony whereof, I have hereunto set my hand.

WM. PODMORE.

Witnesses:

EDWARD C. STOVER,
CARL A. STEVENSON.