

M. F. McELROY.
WATER CLOSET.
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934,455.

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Fig. 1.

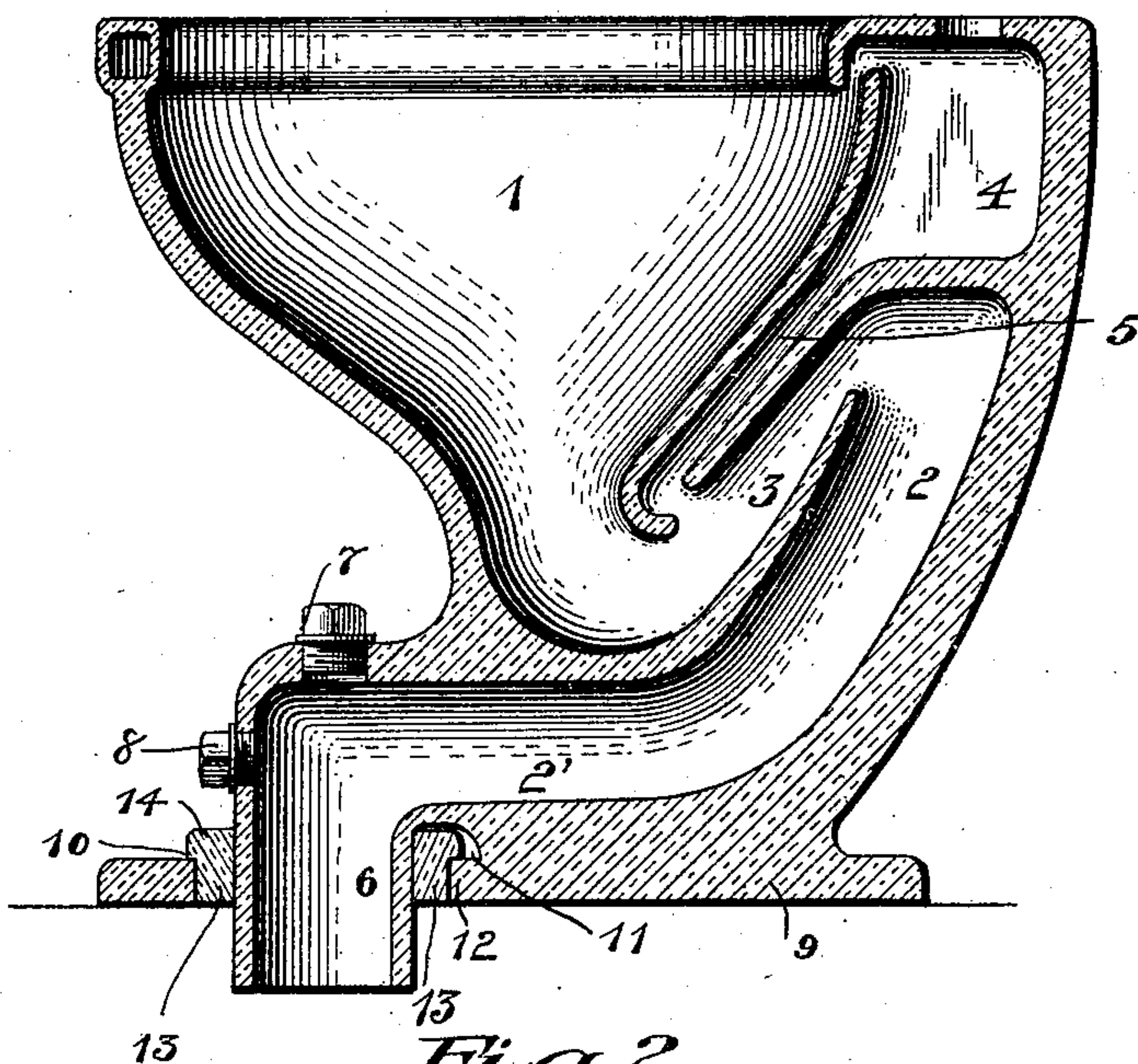
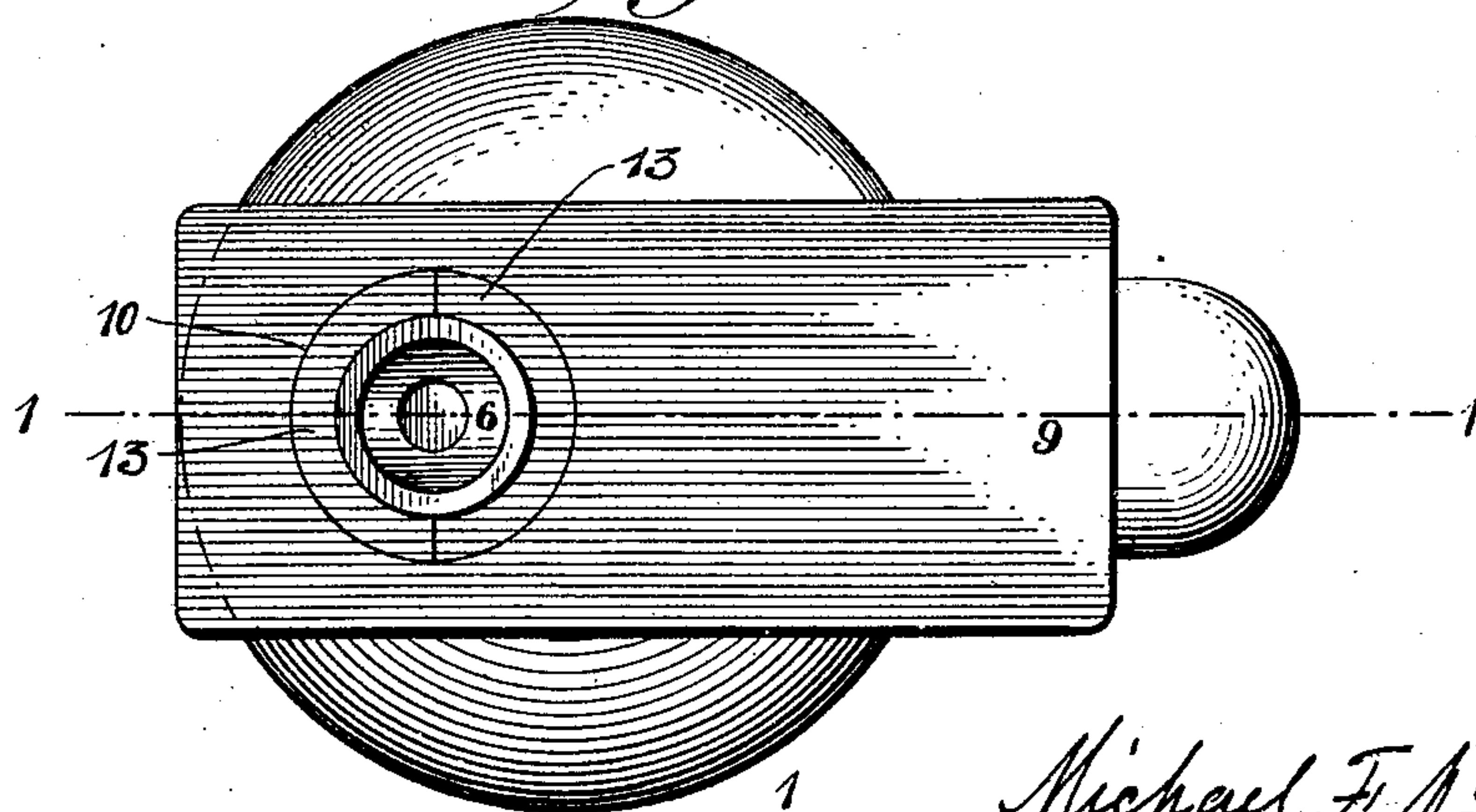


Fig. 2.



Witnesses
Ada E. Hagerty
Elsa B. Diana

By

Inventor
Michael F. McElroy
Joseph A. Miller
Attorney

UNITED STATES PATENT OFFICE.

MICHAEL F. McELROY, OF PROVIDENCE, RHODE ISLAND.

WATER-CLOSET.

934,455.

Specification of Letters Patent.

Patented Sept. 21, 1909.

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To all whom it may concern:

Be it known that I, MICHAEL F. McELROY, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented a new and useful Improvement in Water-Closets, of which the following is a specification.

This invention relates to the class of closets and pertains more particularly to the structure of water closet bowls.

The object of this invention is to improve the general construction and efficiency of water closet bowls.

It is also the object to construct a bowl which is sanitary, and is easily and quickly set in position.

Furthermore, it is my object to afford a means, which while always clean and sightly, in that it places out of sight the joint between the soil pipe and flush pipe, is also easily accessible for sanitary inspection or repair.

With these objects in view, my invention will now be fully described, reference being had to the accompanying drawings, which form a part of this specification, and in which,

Figure 1 is a sectional elevation through line 1 1 of Fig. 2, and Fig. 2 is a bottom view of the bowl.

In said drawings, 1 is the bowl proper of a closet of the siphon type, which communicates with the flush passage 2 by means of the siphonic channel 3.

4 is the chamber affording communication between the flush tank and the passage 5, through which the water is supplied to flush the bowl.

In the construction shown, flush passage 2, after being downwardly and forwardly inclined from the channel 3, is extended horizontally, as at 2', to a section 6 at right angles thereto, by means of which the bowl is connected to the soil pipe (not shown). At the intersection of sections 2' and 6, the flush passage is provided with plugs or caps 7 and 8. Said plugs 7 and 8 afford direct communication with the horizontal member 2', and the section 6, for purposes of cleaning, in the event of any stoppage of the bowl at these points.

As is evident from the drawings, the usual securing flange formed around the bottom of the flush passage of closet bowls is not employed but the passage 6 has a straight exterior descent from the passage

2. Formed on the bottom of the bowl and preferably integral therewith, is a base 9. In the present instance said base is shown rectangular in character, though it is evident that it may be of any desired conformation. At its forward end said base 9 is formed with a circular aperture 10 considerably larger than and surrounding said passage 6, the forward portion of said base extending a substantial distance beyond said passage. Said circular aperture 10 is formed to have a horizontal seating space 11 around its entire periphery, and necessitates the formation of the flange 12 below the bowl and behind said passage 6. As is obvious, the base 9 rests upon the floor below the bowl and all around the passage 6, but leaves the circular aperture 10 to give access to the soil pipe, for purposes of connection, repair, or inspection. A closure for said aperture 10 is provided in a split collar 13. Said collar is formed in two semi-circular sections, adapted to fit snugly, but removably in the apertures 10, between the base and said passage 6. The upper portion of said collar sections is provided with an outwardly projecting flange 14, which rests upon said seating space 11, formed on said base, to support said collar, and assure a thorough closure of the aperture 10. It is evident that the collar may be made in any desired number of sections, and that the said collar is easily removable to permit access to the soil pipe for any reason as above set forth.

The application of my improved closet bowl will be readily understood from the above, and it is apparent that its construction assures a sanitary, efficient and desirable device of this nature.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:—

1. A water closet, comprising, in combination with a bowl and flush passage, a base formed on said closet, said base having a forward extension surrounding said flush passage and spaced therefrom to leave a space therebetween, and means fitting between said base and said flush passage to close said space.

2. A water closet, comprising, in combination with a bowl and flush passage, a base formed on said closet, said base having a forward extension surrounding said flush passage and spaced therefrom to leave a

surrounding space therebetween, a seating space formed on said surrounding portion, and a closure resting on said seating space and fitting in said surrounding space.

3. A water closet, comprising in combination with a bowl and flush passage, clean-out plugs provided in said flush passage, a base formed on said closet, a forward extension formed on said base and having an aperture through which said flush passage extends, and leaving a space between said passage and said extension, and a closure for said aperture, said closure comprising a split collar inserted in said aperture to snugly fit between said extension and said flush passage.

4. A water closet, comprising in combination with a bowl and flush passage, clean out plugs provided in said flush pas-

sage, a base formed on said closet, a forward extension formed on said base and having an aperture through which said flush passage extends, and leaving a space between said passage and said extension, a seating space formed around said aperture, and a closure for said aperture, said closure comprising a split collar adapted to fit in said aperture between said extension and said flush passage and a flange formed on the upper portion of said collar to seat on said seating space.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

MICHAEL F. McELROY.

Witnesses:

ADA E. HAGERTY,
J. A. MILLER.