No. 653,524. Patented July 10, 1900.

# F. H. PARADICE.

## WATER CLOSET.

(Application filed July 1, 1899.)

(No Model.) 2 Sheets—Sheet 1.

Fig. 1.

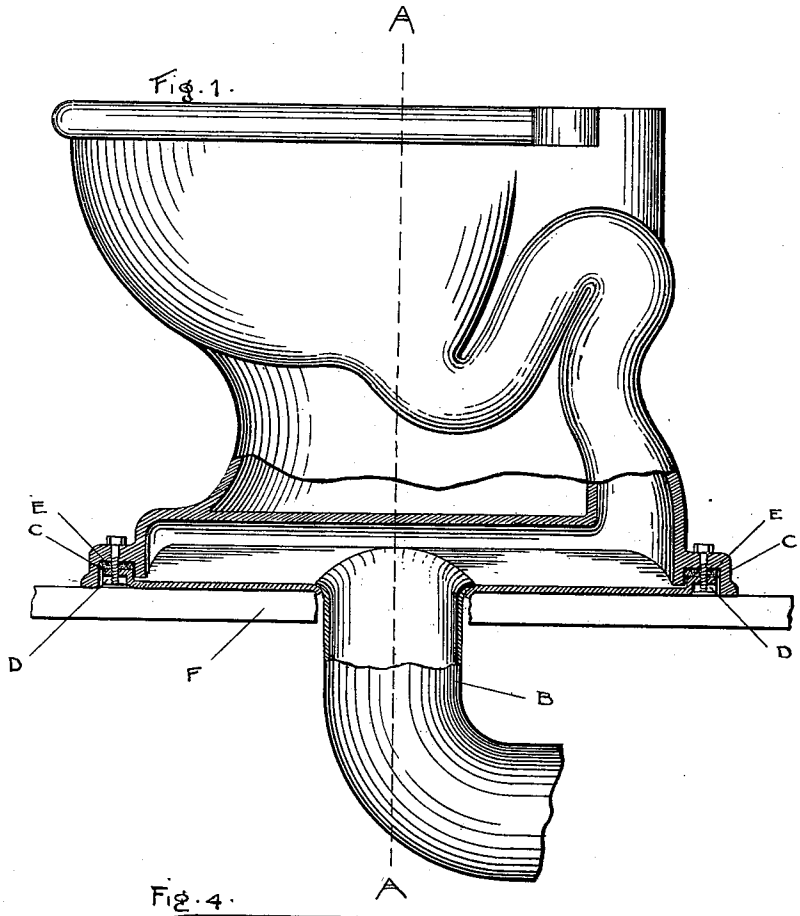
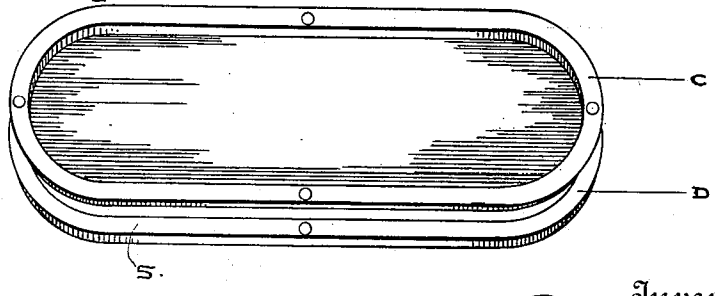



Fig. 4.

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## WATER CLOSET.

(Application filed July 1, 1899.)

(No Model.) 2 Sheets—Sheet 2.

Fig. 3.

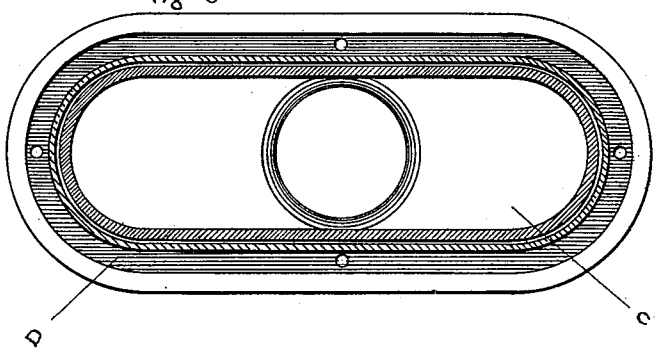



Fig. 2.

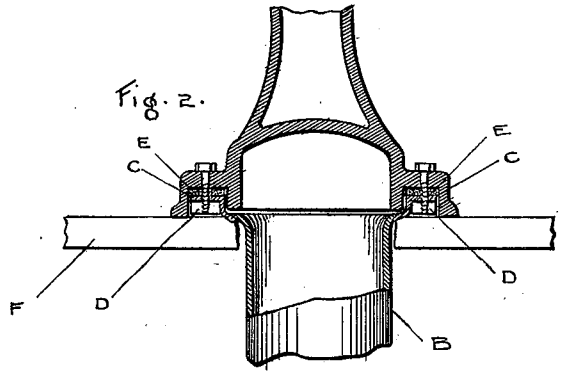
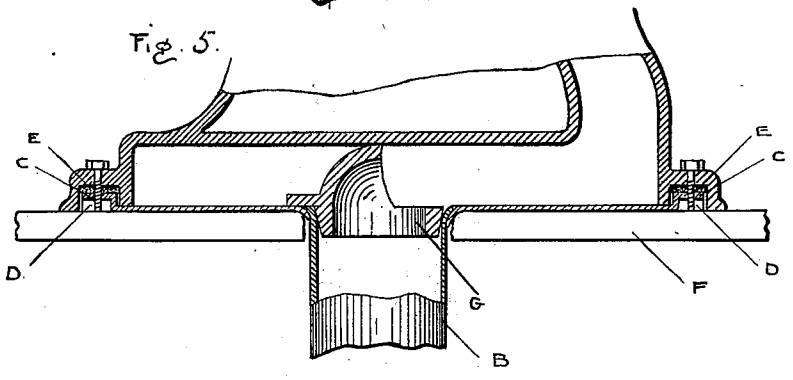



Fig. 5.

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Inventor
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# UNITED STATES PATENT OFFICE.

FRANK H. PARADICE, OF DENVER, COLORADO.

## WATER-CLOSET.

SPECIFICATION forming part of Letters Patent No. 653,524, dated July 10, 1900.

Application filed July 1, 1899. Serial No. 722,563. (No model.)

*To all whom it may concern:*

Be it known that I, FRANK H. PARADICE, a citizen of the United States, residing at Denver, in the county of Arapahoe and State of Colorado, have invented new and useful Improvements in Water-Closets, of which the following is a specification.

My invention relates to improvements in water-closets whereby they may be fixed or attached to the soil-pipe in their proper position as to distance from the wall if the soil-pipe be set in the floor at any of the usual distances from the wall.

Water-closets are made in many different forms. The outlets are at various points, some at the extreme back and others at about all the intermediate points. This has reference to the position of the outlet of the closet at the floor-line. It is very frequently desirable to replace an old closet by a more sanitary fixture. It is generally found that the outlet used for the old closet is too near or too far from the wall to accommodate the new closet, necessitating the cutting up of the floor, &c., and cutting out and resetting the soil-bend—comparatively a very expensive piece of work.

The object of my invention is to provide a water-closet that may be attached to soil-pipe in a simple, efficient, and inexpensive manner, provided the soil-pipe opening in the floor be at any of the usual distances from the wall for such outlets, without the necessity of cutting or taking up floor or changing position of soil-pipe opening, and also to provide a closet that may be used to advantage in new work, as it is found when the construction of a water-closet necessitates the setting of the soil-pipe opening at an exact distance from the wall that errors frequently occur. The position of the soil-bend being fixed by measurements taken from the rough wall, the thickness of furring, plastering, or wainscoting is found to vary from what was calculated. Consequently the closet will not fit. Other reasons might be enumerated to show that a water-closet with a variable or adjustable outlet is a desirable fixture. I attain these objects by constructing a water-closet in the form as shown on the accompanying drawings and as hereinafter described.

Similar letters refer to similar parts in the several views.

Figure 1 is a siphon water-closet with the base shown divided in the center lengthwise. Fig. 2 is a part of a vertical section of same at points A A. Fig. 3 is a plan of base, showing outlet-opening with flange or soldering edge of lead soil-pipe. Fig. 4 shows base of closet before any opening has been cut out and is shown raised up from floor-flange at 5. Fig. 5 shows the base of closet as is shown at Fig. 1, with the addition of a half-elbow or turning-piece G to provide against the possibility of substances passing over the opening of soil-pipe and lodging in the unused portion of closet-leg.

My invention relates more particularly to siphon water-closets, but may be used with other styles. I do not deem it necessary to show any other internal part of the water-closet except the base, as my improvements pertain to the outlet and base of closet only.

In Fig. 1, B represents the soil-bend; C, the base, made of sheet-lead or any other suitable metal; D, the floor-flange, to be made of iron or other suitable metal; F, the flooring; E, the gasket, of rubber or other suitable material.

The closet is to be made with the outlet leg or pipe carried to the floor at the back or front and extended to the opposite end of closet, the under or floor side of the leg or pipe to be open the whole horizontal length of same, said opening to be closed by a base or floor plate of lead or other suitable material detachably fastened to base of closet with flange, gasket, and bolts, substantially as shown in drawings.

The manner of setting this closet-base and attaching closet is as follows: The proper position of closet being decided and the distance from the wall of the soil-pipe opening being known, an opening of suitable size and in the proper location is made in the base on floor-plate C. The edge of the lead bend is brought through base and flanged over and then soldered with bolt or wiped on. The metal flange D being already under the base,

or it may be a part of the base, the gasket is placed on top of flange of base C. If considered desirable, the half-elbow G is set in soil-bend B. (I do not consider this elbow necessary, as no solid substance will pass the mouth of B when closet is in use, and is only shown here as a means of overcoming what might be supposed to be an objectionable feature in this form of closet-outlet.) This half-elbow need not be set water or gas tight, as gasket E when set makes the whole connection tight. The closet then is placed over gasket and bolted down. This manner of attaching closets, in addition to its variable outlet feature, affords a greater security against sewer-gas entering the house than the ordinary manner of setting water-closets. The joint where base is attached to closet is continually tested by the water passing through leg of closet, whereas the closets set in the customary manner are never tested while in use by water, except when soil-pipe becomes choked up and water backs up as far as floor-joint.

Having shown how my invention is made and set in place, what I claim is—

The combination of a water-closet bowl having a discharge-opening and an enlarged open-bottomed base communicating therewith, with a detachable floor-plate secured to the periphery of the bowl-base, and a soil-pipe attachable to said floor-plate at any point within the boundary of said open-bottomed base, and communicating with said open-bottomed base.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

FRANK H. PARADICE.

Witnesses:

FRED J. PARADICE,

LEWIS B. ROBERTS.