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SEATLESS TOILET

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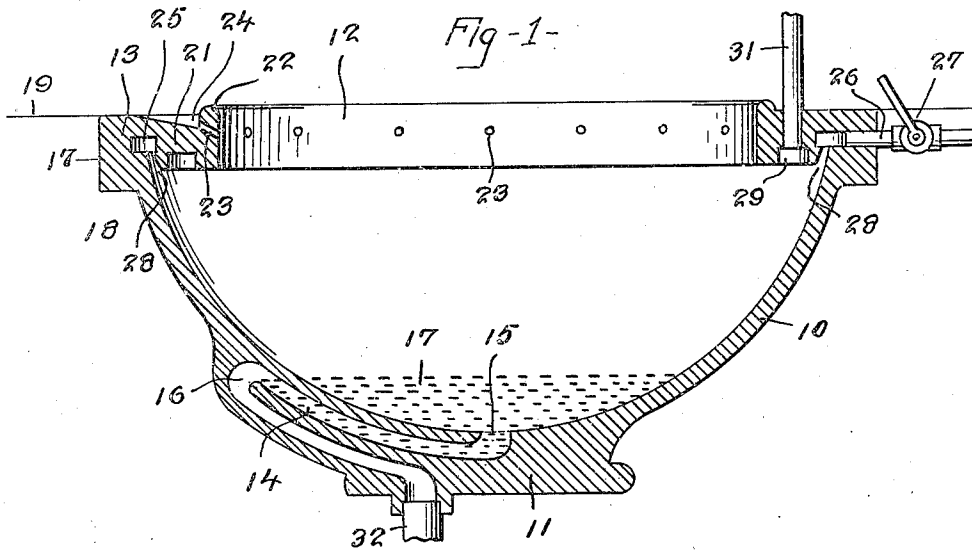
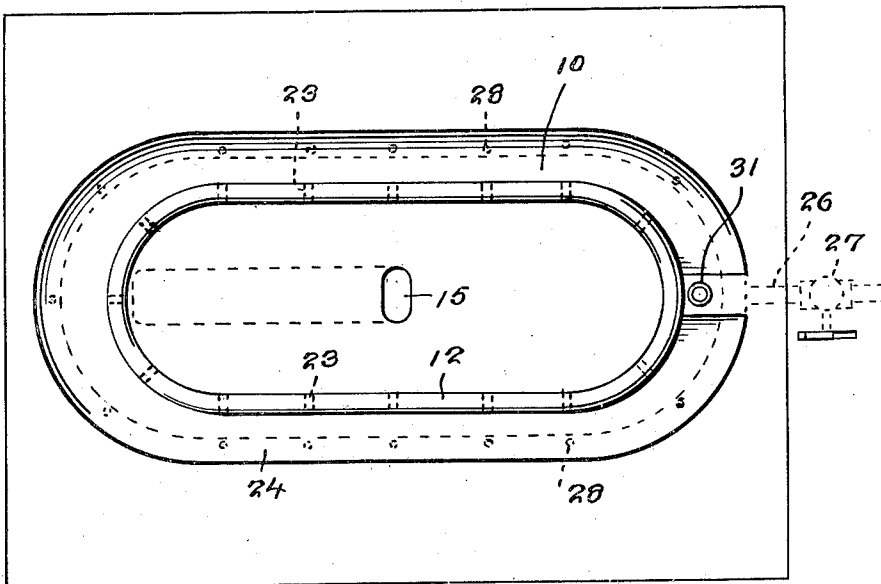


Fig-2-



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SEATLESS TOILET

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2 Claims. (Cl. 4-10)

1

This invention relates to toilet structures.

It is an object of the present invention to provide a toilet structure which is so designed that there is little opportunity for infectious diseases to be transmitted and wherein the toilet can be readily kept clean and sanitary.

It is another object of the present invention to provide a toilet which can be located within the floor of a room and adapted there for use without the need of a stool or seat protruding above the floor as in the case of an ordinary toilet and whereby the legs or hips of the person need not at any time come in contact with any part of the toilet upon the same being used and wherein upon the flushing of the toilet the operation is performed with the foot and not necessarily with an exposed part of the body such as the hand.

It is another object of the present invention to provide in a floor toilet a simple arrangement by which any water collected by the toilet about the exterior of the same can be readily and simply drained into the opening within the toilet structure.

It is another object of the present invention to provide a toilet which is of simple construction, cheap to manufacture and efficient in operation and which is particularly adapted for use at factories, hotels, rooming houses and also where shower baths are installed and where it is desired to keep the amount of infection to a minimum.

For other objects and for a better understanding of the invention reference may be had to the following detailed description taken in connection with the accompanying drawing, in which

Fig. 1 is a cross-sectional view of the toilet structure as disposed within the floor of a room and taken in elevation.

Fig. 2 is a top plan view of the toilet structure looking down into the deposit opening of the structure.

Referring now to the figures, 10 represents the toilet bowl having a base 11 and an elongated top opening 12 with a frame formation 13 lying about the opening. In the base 11 is a passageway 14 which extends upwardly from an inlet 15 at the side of the structure and to a point 16 to serve as a trap to maintain a body of water 17 within the bottom of the bowl. The trap is accordingly embodied within the base structure 11.

The frame structure 16 includes a flange 17 having a shoulder 18 adapted to rest upon a seat removed from the top face 19 of the floor. The top face of the frame 13 is flush with the top of the floor.

The frame formation 13 further includes an

2

inwardly extending portion 21 having an upstanding flange or rim 22 with a plurality of inclined holes 23 therein serving as a drainage for any water which may have collected around the upstanding flange 22 and within a valley formed around the flange and in the top of the frame structure as indicated at 24.

Within the frame structure 13 is an angular recess 25 which is at the uppermost point along the interior face of the toilet bowl 10 whereby to provide an opening through which water from a pipe 26 can be extended when a valve 27 is turned.

The recess 25, however, is above a depending portion of the frame as indicated at 28 and within this depending portion 28 is an annular recess 29 in which fumes and gases may collect for projection out of a vent pipe 31 at one end of the toilet structure. The valve 27 can be operated by the foot. A drain pipe 32 connects with the base 11 of the structure to take off the water from the trap passageway 14.

It will be apparent that there has been provided a toilet which is particularly adapted to be inserted within a floor 19 and which is without a seat and thus is of a sanitary construction in that parts of the body do not have to contact with a seat which may be contaminated with an infectious disease. It is also apparent that the top of the structure is designed for good drainage and such that water cannot readily collect around the periphery of the opening and at the same time wherein there is a flange 22 which will prevent the easy sliding of the foot into the toilet structure. The foot will strike this flange before entering the structure. It should also be apparent that there has been provided a structure which is particularly adapted for use around shower baths and wherein the water of the shower baths can be used to effect the draining of the toilet.

While various changes may be made in the detailed construction it shall be understood that such changes shall be within the spirit and scope of the present invention as defined by the appended claims.

I claim:

1. A seatless toilet structure comprising a bowl with a top opening and a flange surrounding the top of the bowl and adapted to support the same within a floor, an annular recess within the flange at the uppermost part of the interior surface of the bowl, a water connection with the annular recess, a depending portion extending inwardly and downwardly from the flange whereby to provide a narrow constriction imme-

3

diately below the annular recess through which the water will be extended and by virtue of the same being narrow the annular recess may be filled throughout the full length of the same by water pressure, said depending portion having an annular recess extending upwardly from the bottom of the same, and a vent pipe connected with the annular recess, the top flange being adapted to lie flush with the floor within which the toilet structure is mounted, the inner periphery of said depending portion having an upwardly extending flange adapted to rise above the top of the main portion of the flange and above the floor surface whereby to be engaged by a person's foot to serve as an obstruction to prevent the passage of the person's foot into the toilet structure, said vertically extending flange having inclined openings through the same through which water collected on the exterior of the flange may pass into the bowl structure so as to keep the top of the toilet structure free from water.

2. In a seatless toilet having a bowl with a top opening and a platform surrounding the top of the bowl and adapted to support the same within a floor the improvement comprising an elliptical shaped valley within the platform at the upper-

4

most rim of the bowl, an upstanding flange at the base of the valley of a height greater than the plane surface of the platform, the bottom of the valley being inclined downwardly with relation to the platform, said flange preventing a person's foot from sliding into the bowl and inclined openings in the flange communicating with the valley whereby any water collected in the valley may pass out the bowl to keep the platform free from water.

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