Sept. 25, 1923. 1,468,829

E. J. OWEN

SANITARY DRY CLOSET

Filed April 29, 1922

Fig. 1.

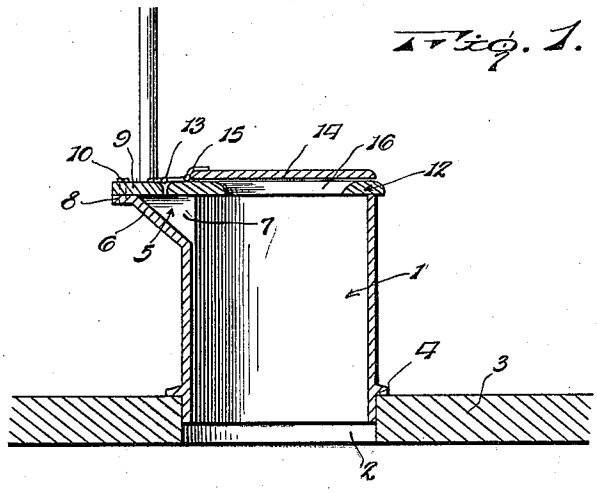


Fig. 2.

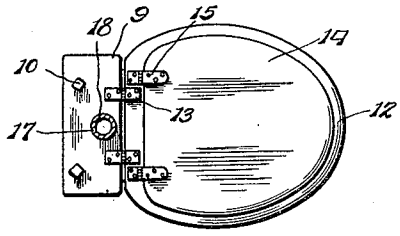
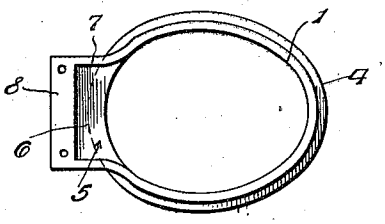


Fig. 3.



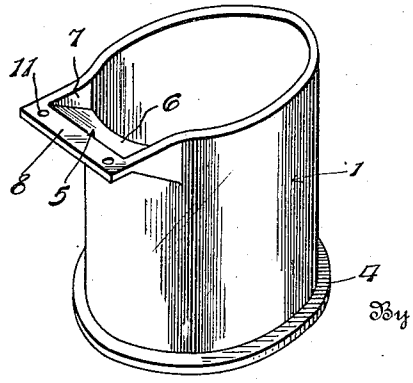


Fig. 4.

Inventor

E. J. Owen.

By Lacey & Lacey, Attorneys

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UNITED STATES PATENT OFFICE.

EVAN J. OWEN, OF GADSDEN, ALABAMA, ASSIGNOR OF ONE-HALF TO LILIUS B. RAINEY, OF GADSDEN, ALABAMA.

SANITARY DRY CLOSET.

Application filed April 29, 1922. Serial No. 557,390.

To all whom it may concern:

Be it known that I, EVAN J. OWEN, citizen of the United States, residing at Gadsden, in the county of Etowah and State of Alabama, have invented certain new and useful Improvements in Sanitary Dry Closets, of which the following is a specification.

This invention relates to improvements in dry closets and has as one of its primary objects to provide a dry closet so constructed as to be highly sanitary and unlikely to emit offensive odors.

Another object of the invention is to provide a dry closet which may be readily set up upon any convenient base provided for its support and which will be durable and present no interiorly projecting parts upon which fecal matter may lodge.

Another object of the invention is to provide a dry closet which may be placed upon the market as a unitary structure and which will be adapted to be set up upon any convenient base as above explained and will embody means for the convenient connection therewith of a ventilating pipe for conducting off the gases rising therein.

In the accompanying drawings:

Figure 1 is a vertical front to rear sectional view through a dry closet constructed in accordance with the present invention,

Figure 2 is a top plan view of the closet,

Figure 3 is a top plan view of the hopper, the parts associated therewith being removed,

Figure 4 is a perspective view of the hopper.

In the drawings, the numeral 1 indicates the hopper of the closet which is of the general form shown in the drawings and has straight, smooth walls. The lower end of the hopper is designed to be fitted into an opening 2 provided in any suitable foundation 3, and a seating flange 4 is formed circumferentially upon the outer surface of the wall of the hopper a suitable distance above its lower end and rests upon the upper side of the foundation, the hopper being, in this manner, firmly supported in upright position. At its upper end and at its rear side, the hopper is provided with a rearward extension indicated by the numeral 5, preferably having an inclined bottom wall 6 and perpendicular side walls 7. The bottom wall 6 is provided with a rearwardly projecting flange 8 along its upper edge and this flange occupies substantially the plane of the upper edge or rim of the body of the hopper.

The numeral 9 indicates a slab of wood or other material which is disposed upon the upper side of the extension 5 and extends over the top thereof and at its rear edge portion over the flange 8. Bolts or other suitable securing elements 10 are engaged through the slab 9 and through openings 11 provided in the flange 8 and, in this manner, the slab is secured upon the upper side of the extension.

The seat of the closet is indicated by the numeral 12 and is of the usual substantially annular form and, in its lowered position, is designed to rest upon the upper edge of the rim of the body of the hopper, the seat being hinged at its rear side, as at 13, to the forward edge portion of the slab 9. The lid for the seat is indicated by the numeral 14 and said lid is hinged as at 15 to the upper side of the rear portion of the seat and, in lowered position, rests upon the top of the seat and closes the opening 16 therein.

The slab 9 is formed with an opening 17 which communicates with the interior of the extension 5, and a ventilating pipe 18 is fitted at its lower end into the opening and is thus placed in communication with the interior of said extension, the purpose of this pipe being to conduct from the closet any gases rising therein.

From the foregoing description of the invention it will be seen that there is provided a closet which may be placed upon the market as a unitary structure and which when set up will be substantial and durable and, because of the fact that it is free from interior projecting parts, will be entirely sanitary.

Having thus described the invention, what is claimed as new is:

In a dry closet, a hopper of substantially cylindrical shape open at both ends and provided at its top end with a rearward extension comprising side walls and an inclined bottom forming a recess opening into said hopper, the top being provided with an outwardly projecting horizontal flange at its upper portion, the top face of said flange being in alinement with the top edge of the hopper, a member including a frame and a lid hinged thereto adapted to close said top end of the hopper and the upper side of said

recess and having a vent communicating with said recess, said member and said flange having corresponding apertures, bolts engaging in said apertures securing the member to said flange, said frame having a plain bottom face resting upon said top edge and said top face of the flange, and an annular collar at the lower end of the hopper adapted to rest upon a foundation for supporting the hopper and permitting easy removal thereof.

In testimony whereof I affix my signature.

EVAN J. OWEN. [L. S.]