R. E. CRANE.

WATER CLOSET CISTERN.

APPLICATION FILED AUG. 12, 1909.

954,934. Patented Apr. 12, 1910.

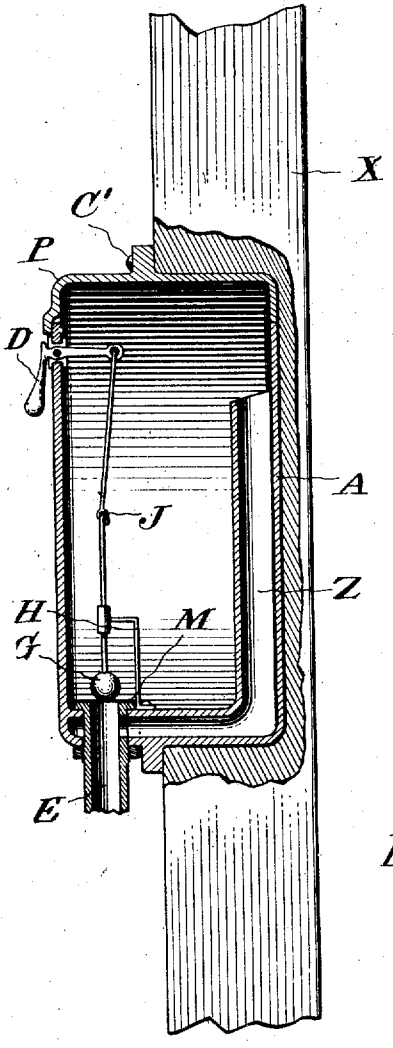
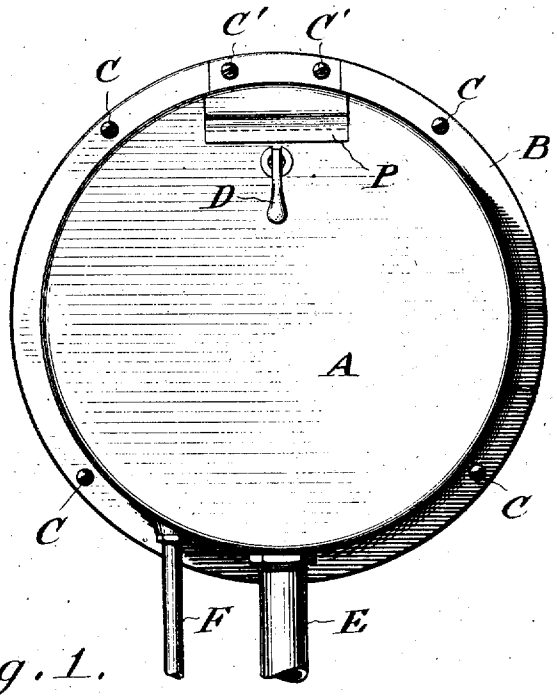


Fig. 1.

Fig. 2.



Witnesses:
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UNITED STATES PATENT OFFICE.

RAYMOND E. CRANE, OF CAMERON, WEST VIRGINIA.

WATER-CLOSET CISTERN.

954,934. Specification of Letters Patent. **Patented Apr. 12, 1910.**

Application filed August 12, 1909. Serial No. 512,587.

To all whom it may concern:

Be it known that I, RAYMOND E. CRANE, a citizen of the United States, residing at Cameron, in the county of Marshall and State of West Virginia, have invented certain new and useful Improvements in Water-Closet Cisterns, of which the following is a specification.

My invention relates to improvements in cisterns for flushing water-closets and the like, and the principal objects of my invention are to provide a suitable article for this purpose which shall be efficient and durable, and one that will at the same time occupy a minimum amount of the space in a room and which shall have a substantial means of support, as well as means of access to the interior fittings. I attain these objects by the manner shown in the accompanying drawings, in which—

Figure 1 is a vertical sectional side view of a water-closet cistern shown concealed in the partition X of the room. Fig. 2 illustrates a front view of the same cistern.

Both views show the cover P in place as it is in actual installation.

The water enters the cistern through the inlet pipe F through a ball cock of any of the many types now on the market for that purpose, and upon the pressing of the lever D the lift-wire is operated by means of the link-joint at J through the guide-post H, thus lifting the ball G in such a manner that ball G will float when lifted, at which time the contents of the tank will discharge and the tank will be filled again ready for the next operation. In case the float-operated ball cock should leak sufficiently to cause tank to fill too high, the water would flow into outlet through overflow pipe Z out through the regular outlet E.

The cistern is covered by a cover P, which can be pulled straight out to the front upon the removal of the fastening screws C and thus permit ready access to the fittings in the interior of the tank. The tank is fastened to the wall by means of screws C. The coupling M in which a rubber ball seats can be made of brass or can be made integral with the earthenware.

As we are making this tank of earthenware it is a great advantage to have the marginal rim as a stiffener in the firing process, as with this additional ring of clay the tank is much less liable to warp in the firing. The round shape of the cistern also holds it during the firing in such a manner that the shrinkage is even in all parts.

Having described my invention, what I claim therein as new and desire to secure by Letters Patent is:

The combination of a substantially circular flushing cistern of a wall containing a recess arranged to receive said cistern, of a removable cover at the upper end of said cistern, and of a circular wall flange, by means of which said cistern is attached to the wall, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

Cameron, W. Va., 7/14/09.

RAYMOND E. CRANE.

Witnesses:
G. E. CONAWAY,
N. MCCUSKEY.