(No Model.)

W. A. KELLY.

FLUSHING RIM FOR WATER CLOSETS.

No. 535,062. Patented Mar. 5, 1895.

Fig. 1

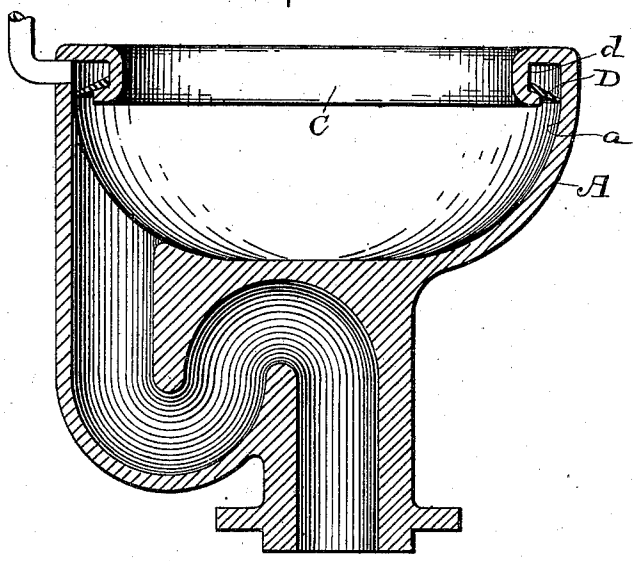


Fig. 2.

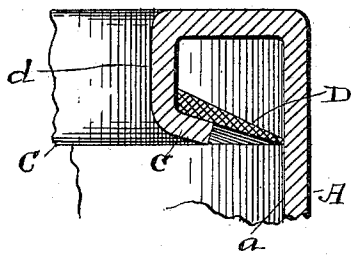
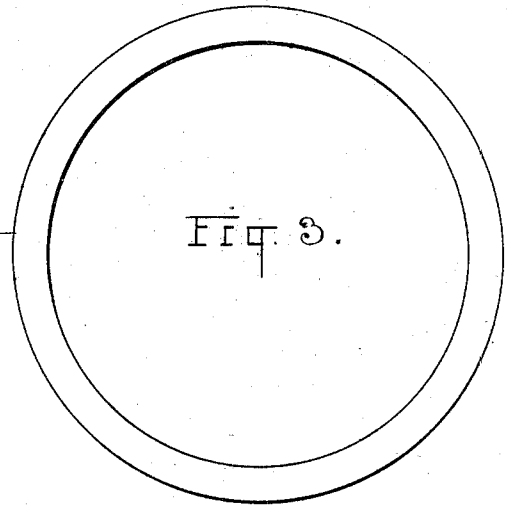


Fig. 3.



ATTEST.
R. B. Moser.
G. L. Schaeffer

INVENTOR.
William A. Kelly
BY H. J. Fisher
ATTORNEY.

UNITED STATES PATENT OFFICE.

WILLIAM A. KELLY, OF CLEVELAND, OHIO.

FLUSHING-RIM FOR WATER-CLOSETS.

SPECIFICATION forming part of Letters Patent No. 535,062, dated March 5, 1895.

Application filed April 2, 1894. Serial No. 506,012. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM A. KELLY, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Flushing-Rims for Water-Closets; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to flushing rims for water closets, and the invention consists in a water closet having a flushing rim about its upper edge and an elastic or flexible collar or gasket over the rim and extending wholly around the closet and against the wall thereof, substantially as set forth.

In the accompanying drawings, Figure 1 is a vertical central sectional elevation of my improved water closet. Fig. 2 is an enlarged section of the upper part of the closet. Fig. 3 is a plan view of the flushing ring.

A represents the closet, which may be of the style of construction shown here or of any other approved or desired style, provided it has the flushing rim C, substantially as here shown. In the present case the rim C does not extend inward as near to the wall —*a*— as usual, especially when this rim is relied upon to distribute the flow of the water and cause it to flow uniformly on all sides of the closet. Sometimes, too, the rim extends inward to or against the wall, and perforations are made therein to discharge the water; but all these constructions are deemed insufficient and defective for reasons well-known to those familiar with this art, and hence I have produced the within invention consisting essentially of a rubber or like gasket, ring or collar D, encircling the neck —*d*— behind the flushing rim C and supported by said rim. This gasket or ring is preferably deepest or thickest at the base and tapers thence to its outer edge. This edge is meant to lie against wall —*a*— all around, and the material is stiff enough to only yield at the edge when flooding occurs. This causes the water to run noiselessly down the surface of the closet, where it is wanted, and to spread uniformly over the surface in a sheet or spread that makes it very effective.

The construction of a closet as herein described, has the further advantage of being proof against breakage by frost. If the water channel were made only with rigid parts and became filled with water and frozen, it would most likely be cracked and broken, but by having the flexible gasket closing the bottom there is such freedom for expansion in that direction that bursting of the chamber in this way would be practically impossible.

The drawings herein show what may be termed a common flushing rim or chamber in which the inwardly extending edge is apart from the side surface of the closet, usually about in the proportion here shown.

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

1. A water closet having its upper portion formed with a flushing chamber closed at its sides and top and having a ledge extending inward toward the side of the closet at its bottom and a flexible ring spanning the space between said ledge and the side of the closet and having its outer edge free to be depressed, substantially as set forth.

2. The water closet having a flushing chamber at its top with a rim at its bottom, and a flexible gasket or ring resting upon said rim and extending to the side of the closet, said rim tapering in cross section to its outer edge, substantially as set forth.

3. A water closet having a channel within and about its top to distribute the water uniformly to all parts of the closet, and a yielding ring or gasket across the bottom of said channel, substantially as set forth.

Witness my hand to the foregoing specification this 29th day of March, 1894.

WILLIAM A. KELLY.

Witnesses:
H. T. FISHER,
GEORGIA SCHAEFFER.