

(No Model.)

F. JONES.
WASHBOWL.

No. 578,103.

Patented Mar. 2, 1897.

Fig. 1.

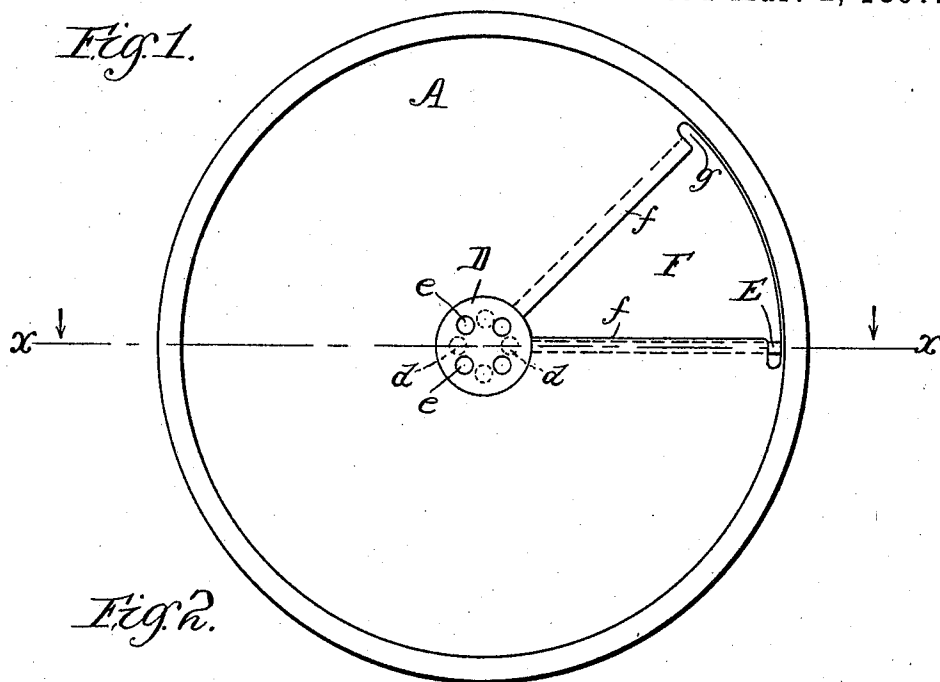


Fig. 2.

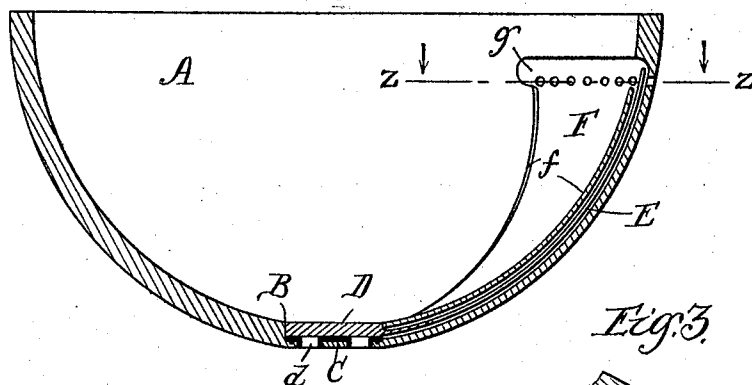


Fig. 4.

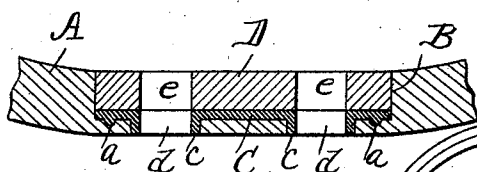


Fig. 5.

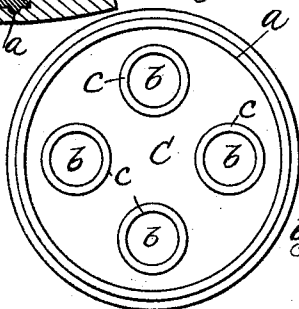
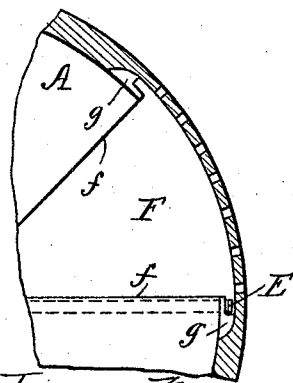


Fig. 3.



Witnesses.

Wm. M. Rheem:

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Inventor

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By Bonded Agents Richard J. Jackson

His Att'y

UNITED STATES PATENT OFFICE.

FRANK JONES, OF CHICAGO, ILLINOIS.

WASHBOWL.

SPECIFICATION forming part of Letters Patent No. 578,103, dated March 2, 1897.

Application filed December 9, 1896. Serial No. 615,032. (No model.)

To all whom it may concern:

Be it known that I, FRANK JONES, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have
5 invented certain new and useful Improvements in Washbowls, of which the following is a specification, reference being had to the accompanying drawings, in which—

Figure 1 is a plan view. Fig. 2 is a section
10 at line $x x$ of Fig. 1. Fig. 3 is a section at line $z z$ of Fig. 2. Fig. 4 is a detail, being an enlarged sectional view of the central bottom portion of the bowl with the devices for controlling the water-exit; and Fig. 5 is a bottom
15 view of the annular perforated disk that is located in the bottom of the socket in the center of the bowl.

My invention relates to improvements in stationary washbowls, and has for its object
20 to provide improved means for controlling communication between the bowl and the waste-pipe that is always secured beneath the bowl. This I accomplish by the means shown in the drawings and as hereinafter described.

25 That which I regard as new will be set forth in the claims.

In the drawings, A indicates a washbowl, which may be of any ordinary and well-known form and preferably is formed of earthenware. In the bottom of the bowl is formed
30 an annular socket B.

C indicates a disk, preferably of rubber, which fits within the socket B. It is provided on its under face with an annular rib or projection a , which fits into a correspondingly-shaped channel formed in the bottom of the socket B, as best shown in Fig. 4. This disk is also provided with a series of openings b , around which on the under face of the disk
35 are formed flanges c , that project down into openings d , formed in the bottom of the socket B, by which construction the disk C is held in place, so that the openings b and d always register.

45 D indicates a comparatively heavy disk, preferably of metal and lying within the socket B upon the rubber disk C. It is provided with openings e , corresponding in number and size to the openings b and adapted
50 to register therewith.

E indicates a lever, one end of which is secured in any suitable manner to the metal disk

D. This lever is preferably made of a strip of thin spring-steel and is of a shape to substantially conform to the contour of the interior of the bowl. 55

F indicates a shallow recess formed in the bowl and of an approximately V shape and in which the lever E is adapted to move. Each side of the recess is formed with a flange f of about the width of the lever E, and under one of which flanges the said lever is concealed for practically all of its length when said lever is swung to the limit of its movement in either direction. When the lever is swung
65 under either of these flanges f , its upper end will be exposed by reason of a slight lateral enlargement g of the recess F above the flanges, which construction permits of the engagement of such end by the finger of the user in order to move the lever and rotate the disk D attached thereto. 70

To use the bowl, the lever E is turned, as shown in Fig. 1, which so rotates the disk D as to carry the openings e therein out of alignment with the openings in the disk C and the bottom of the socket B, the lower ends of the openings e being then closed by the disk C. To permit the water to escape, the lever E is swung to the opposite side of the recess F, which action again rotates the disk D, bringing all of the openings referred to in line, so that the water may escape through them to the ordinary waste-pipe. (Not shown.) 75

My improved means for retaining the water in the bowl are cheap, simple, and not easily gotten out of order, but when out of order for any reason can be readily and quickly replaced. By reason of the flanges c extending from the lower face of the disk C and into the openings d such disk is always held in proper position and cannot be moved by the frequent rotation of the heavy disk D, that bears upon it, and being so held in place it is not essential that its edges fit snugly up against the sides of the socket B. It therefore always presents a smooth level surface for the disk D to rest and move upon, which would be difficult to obtain if the rubber disk C had to be cut so as to fit tightly against the sides of the socket, for such tight fitting would be very apt to raise the center of disk C more or less, thus increasing the chances of leakage. When this disk C does not fit perfectly at all 85 90 95 100

points against the sides of the socket, no leakage will be caused thereby, as any water escaping past the edge of such disk will be prevented from escaping to the waste-pipe by the rib or annular projection *a*, fitting within the groove in the bottom of the socket B. Such rib or projection is held tightly in its groove by reason of the weight exerted on the disk C by the heavier disk D and the volume of water in the bowl.

I have shown the shallow recess F formed in that portion of the bowl where the ordinary overflow-openings are formed, and I prefer to so locate it; but it of course may be formed elsewhere in the bowl.

That which I claim as my invention, and desire to secure by Letters Patent, is—

1. A washbowl having a socket in its bottom in which are openings, in combination with a disk having openings therein and flanges on the under face of said disk and surrounding the openings therein and entering the openings in the bottom of the said socket, and another disk located on said first-named disk and adapted to retain water in the bowl, substantially as specified.

2. A washbowl having a socket in its bottom in which are openings, in combination with a disk having openings therein and flanges on the under face of said disk and sur-

rounding the openings therein and entering the openings in the bottom of said socket, another disk located on said first-named disk and provided with openings adapted to register with the holes in the first-named disk, and means for rotating the upper disk, substantially as specified.

3. A washbowl provided with a discharge-opening, a rotatable disk covering said discharge-opening, a lever for rotating said disk, a recess formed in the bowl for receiving said lever, and flanges at the sides of said recess beneath which said lever can be swung, substantially as specified.

4. The combination with the bowl A having an annular socket B provided with openings *d*, a disk C having openings *b* and flanges *c* that project into the openings *d* to hold the flange against rotation, a disk D also within the socket B and upon the disk C and being provided with openings *e* adapted by the rotation of the disk to be brought in line with the openings in the disk C, and a curved lever E secured at one end to said disk D, substantially as specified.

FRANK JONES.

Witnesses:

ALBERT H. ADAMS,
NELLIE MCKIBBEN.