

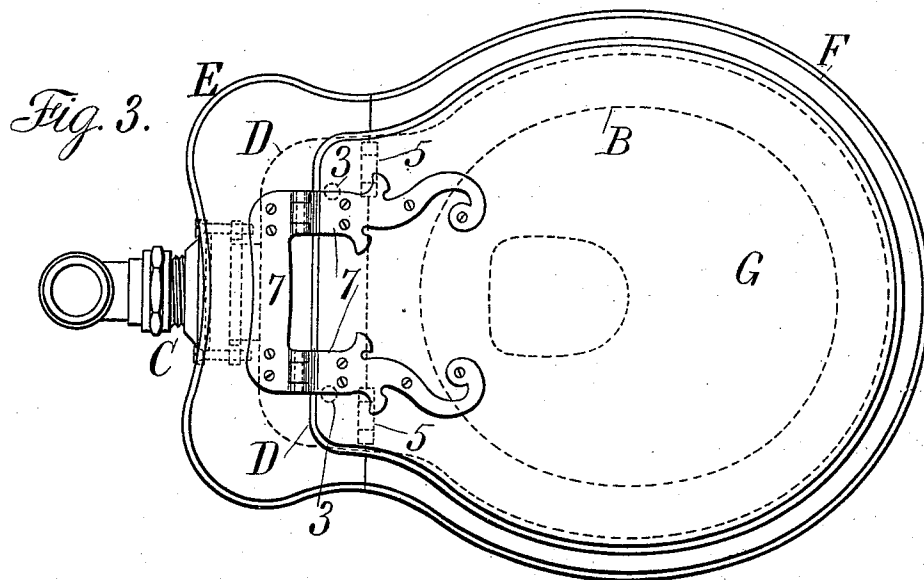
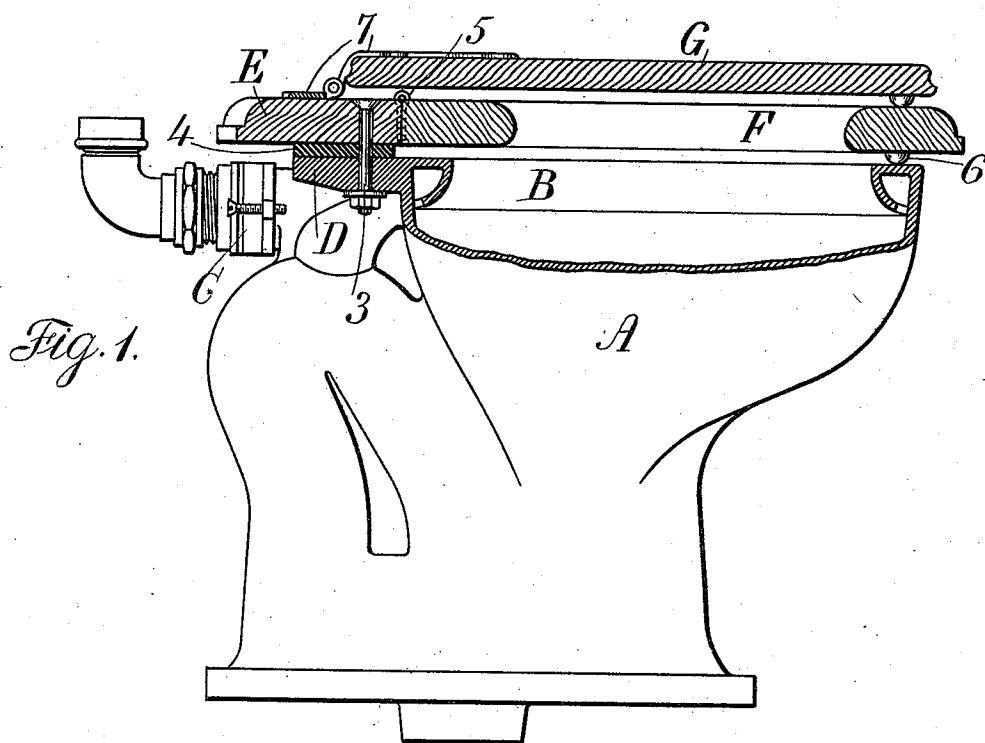
(No Model.)

2 Sheets—Sheet 1.

E. HAMMANN.
WATER CLOSET.

No. 510,598.

Patented Dec. 12, 1893.



Witnesses:
J Staib
Charles Smith

Inventor:
Edward Hammann
per Lemuel W. Lovell
att'y

(No Model.)

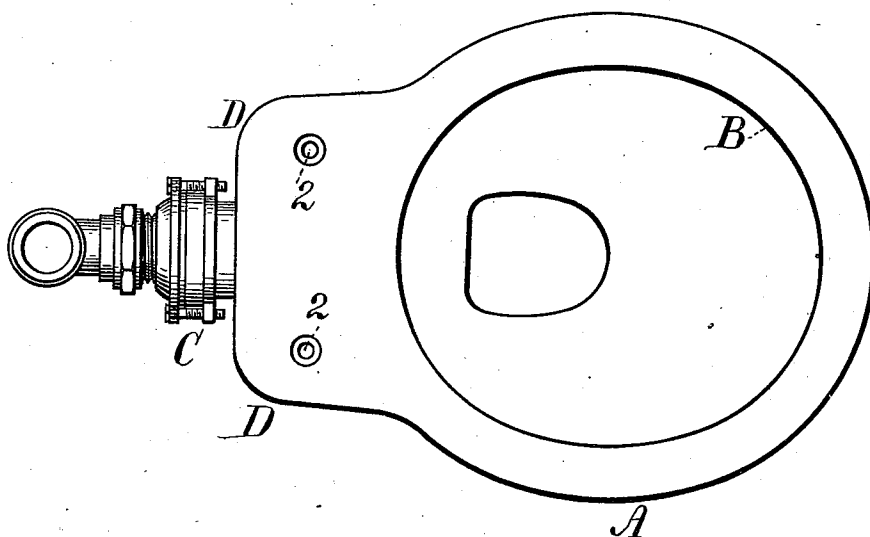
2 Sheets—Sheet 2.

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Fig. 2.



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UNITED STATES PATENT OFFICE.

EDWARD HAMMANN, OF BROOKLYN, ASSIGNOR TO THE J. L. MOTT IRON WORKS, OF NEW YORK, N. Y.

WATER-CLOSET.

SPECIFICATION forming part of Letters Patent No. 510,598, dated December 12, 1893.

Application filed February 27, 1893. Serial No. 463,793. (No model.)

To all whom it may concern:

Be it known that I, EDWARD HAMMANN, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented an Improvement in Water-Closets, of which the following is a specification.

The most improved sanitary water closets are not incased and are accessible around the exterior surfaces in consequence of standing at a sufficient distance from the walls, and in some instances metal hopper closets have been provided with hinges receiving a swinging seat that is counter-balanced and remains normally in an elevated position.

With some of the porcelain closets a wooden wall plate has been provided supported on brackets or connected to the wall and receiving the hinges of the seat and cover. In practice I have found that this is inconvenient, especially where the walls are of tiling or other ornamental substances, and such wall plates interfere with the easy access to the rear portions of the closet bowl.

My present improvement is adapted to closets made of porcelain, and I provide flanges upon the closet at the rear portion thereof between the projecting tubular inlet and the hollow rim of the bowl, so that such flanges are supported and are not liable to be broken, and through these flanges the attaching screws for the stationary plate of the seat pass, and I introduce elastic material such as rubber between the seat plate and the porcelain and connect the cover to the top of the seat plate, preferably by ornamental strap hinges, so that the cover can swing upwardly and be inclined backwardly and the seat itself can be raised whenever necessary.

In the drawings, Figure 1 is a vertical section representing the upper portion of the closet bowl, the seat plate, seat and cover. Fig. 2 is a plan view of the top of the porcelain basin. Fig. 3 is a plan view of the seat and lid.

The closet is provided with a bowl A and flushing rim B and the water way connection C is at the rear of the bowl, and the base of the bowl, the trap and the water ways or connections are to be of any desired character and they are represented herein only suffi-

ciently to illustrate one of the features of this invention which relates to the flanges D at the back portion of the porcelain bowl and extending from the flushing rim to the water way connection C, so that such flanges D are supported and rendered strong and reliable by the adjacent portions of the porcelain, and in these flanges D are holes 2 for the attaching bolts 3 by which the seat plate E is securely fastened; and it is preferable to introduce washers or pieces of sheet rubber at 4 between the seat plate E and the flanges D, the bolts 3 passing through such washers. This mode of connection insures an even bearing of the seat plate upon the rubber washers without risk of injuring the porcelain by the strain upon the screw bolts and without the risk of the flanges being broken by concussion upon the seat plate or by the shrinkage or swelling of the same by moisture or otherwise.

The seat plate E is preferably as small as consistent with the required strength and to the seat plate E the seat F is connected by the hinges 5. This seat is of any desired character and it is provided with rubber buffer blocks 6 introduced into recesses in the under side of the seat and resting upon the upper surface of the porcelain so as to prevent concussion if the seat is allowed to drop. The seat plate does not extend back to the wall. Hence there is an open space to give access for cleaning, and the edges of the seat and seat plate are molded or otherwise finished.

The lid G is of a size to cover the opening in the seat and it extends to the rear of the hinges 5 and it is provided with hinges 7 by which such lid is connected directly to the seat plate, and the hinges are preferably obtuse angle straps passing to the top surface of the lid so that the lid can be inclined backwardly when open. The shape and configuration of the lid, seat, and seat plate form the subject of a separate application for a design patent.

It will be observed that the seat plate extends to the rear sufficiently to cover or nearly so the porcelain water way connection C, thereby lessening the risk of injury to the same by any falling substance, but access is

given freely to the rear portions of the closet so that the exterior of the porcelain can be easily kept in a clean and sanitary condition. It will be observed that the flanges rest upon
 5 and are formed with the inlet water way and they extend to the flushing rim and the parts mutually support and strengthen each other, and the flanges become the same as a flange or plate extending across and resting upon
 10 the waterway at the back.

I do not claim a seat plate bolted to flanges on a metal closet hopper, nor a lid hinged to a stationary back plate that is above and fastened to the seat plate.

15 I claim as my invention—

1. The combination with the porcelain water closet having a flange at the rear, of a seat plate above the rear portion of such closet and bolts for permanently securing the seat
 20 plate to the porcelain of the closet, a seat and hinges for connecting the seat to the seat plate, a lid extending at its rear edge over the upper surface of the seat plate, and hinges for connecting the lid directly to the seat
 25 plate, substantially as set forth.

2. The combination with a porcelain water closet having a flange or shelf at the rear, of a seat plate finished at its back and end edges, and not extending to the wall, and means for
 30 securing the same to the flange of the porcelain bowl, a seat and hinges for connecting the seat to the seat plate, a lid finished around all its edges and extending at its back edge

to the upper surface of the seat plate, and metallic hinges fastened to the top surface of the lid and extending down the back edge of
 35 the lid and fastened directly to the seat plate, substantially as set forth.

3. The porcelain water closet in one piece having a supply water way at the back and a
 40 flushing rim surrounding and forming the top of the bowl and a flange or shelf at the rear portion only of the flushing rim and supported by the inlet water way, in combination with a seat plate to the rear of the flushing
 45 rim and resting upon the flange and means for connecting the seat plate to the flange, and a seat hinged to the seat plate substantially as specified.

4. The porcelain water closet in one piece having a supply water-way at the back and a
 50 flushing rim surrounding and forming the top of the bowl and a flange or shelf at the rear portion only of the flushing rim and supported by the inlet water way, in combination with a
 55 seat and seat plate hinged together and finished all around their outer edges, the seat plate resting upon and connected with the porcelain flange and not extending to the wall, substantially as specified.
 60

Signed by me this 23d day of February, 1893.

EDWARD HAMMANN.

Witnesses:

E. W. VEYER,
 L. M. HOOPER.