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J. C. REED.

LAVATORY AND LAVATORY SUPPORT.

APPLICATION FILED JUNE 20, 1903. RENEWED FEB. 10, 1905.

Fig. 1

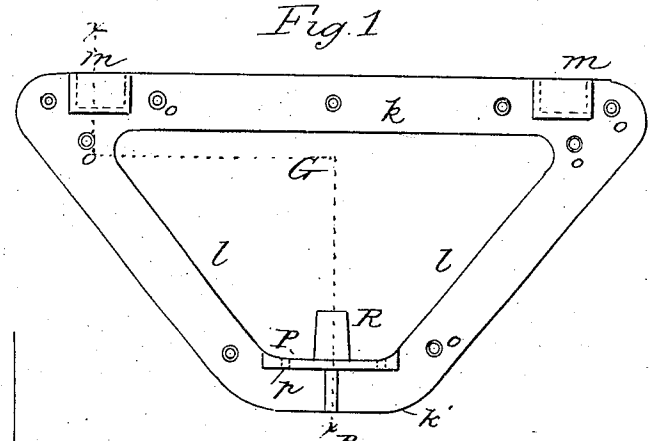


Fig. 2

Fig. 3

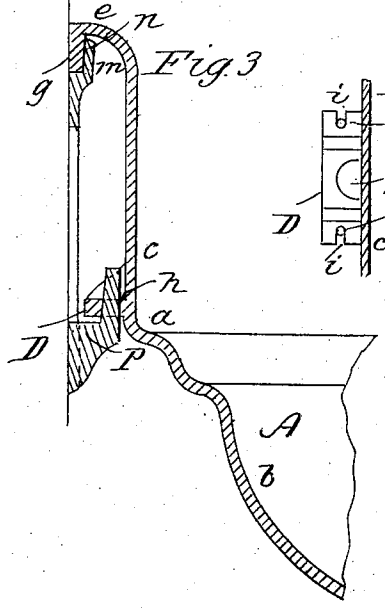


Fig. 5

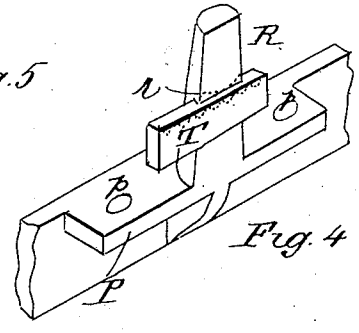


Fig. 4

Witnesses
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by
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No. 784,962. Patented March 14, 1905.

UNITED STATES PATENT OFFICE.

JOHN C. REED, OF ALLEGHENY, PENNSYLVANIA, ASSIGNOR TO STANDARD SANITARY MANUFACTURING COMPANY, OF PITTSBURG, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA.

LAVATORY AND LAVATORY-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 784,962, dated March 14, 1905.

Application filed June 20, 1903. Renewed February 10, 1905. Serial No. 245,059.

To all whom it may concern:

Be it known that I, JOHN C. REED, a citizen of the United States, residing at Allegheny, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Lavatories and Lavatory-Supports; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention has relation to lavatories and lavatory-supporting devices, and has for its object the provision of novel means for supporting a lavatory or similar object against a wall without the use of brackets, standards, or other exposed supporting devices such as are now commonly employed.

The structure embodying my invention embraces as an essential element a cast-metal frame, preferably of skeleton form, to be secured to the wall against which the lavatory rests by screws or bolts and so constructed that the lavatory, formed with suitable connecting or engaging means located behind its wall-slab or back, may be hung upon or firmly attached to said frame, the connecting and sustaining devices being entirely concealed from view and of such character that the lavatory may be easily removed and replaced, the whole constituting an economical, convenient, and sanitary arrangement for the purpose intended.

In the accompanying drawings, Figure 1 is a front view of the lavatory-supporting frame. Fig. 2 is a top view of the same. Fig. 3 is a vertical sectional view through the lavatory and supporting-frame on the line x x of Fig. 1. Fig. 4 is a perspective view illustrating a modification of part of the structure, and Fig. 5 is a horizontal sectional view of a portion of the wall-plate and support shown in Fig. 3.

A designates a lavatory, which may be of any suitable pattern or design, comprising the horizontal slab a, the bowl b, and the vertical back or wall-plate c, all the parts being preferably made of cast metal and enameled on the exposed surfaces.

The back or wall-plate c is generally and preferably cast integral with the bowl and horizontal slab and is dished or recessed on its inner side, thus forming a curved or flanged upper edge e, from which, as seen, depend the wedge-shaped lugs g g, constituting part of the means for attaching the lavatory to the supporting-frame. Upon the back of the plate c, near its lower part, is cast a horizontal shelf or bracket D, having a slightly-tapered hole or opening h at its middle part and bolt holes or slots i i near its ends.

G designates the supporting-frame, preferably of skeleton form, with the upper and lower horizontal bars k k' and the side bars l l. Near the ends of the bar k rectangular sockets m m, open at the back and top, are formed and have inclined or wedge-shaped surfaces n n to contact with the wedge-shaped or inclined surfaces of the lugs g g, which when the lavatory is in position fit into said sockets and when pressed down cause the plate or slab c to be drawn closely against the wall, thus forming a more perfect joint between the wall and slab. The frame G is attached to the wall by screws or bolts inserted in holes o o, properly countersunk to receive the heads of the screws or bolts. Upon the bar k', at or near its upper edge, is cast a horizontal shelf or bracket P, similar to and matching the shelf or bracket D and having bolt-holes p p for the reception of bolts t t, by which the two shelves or brackets are fastened together when the lavatory is in position. The shelf or bracket P is cast with a wedge-shaped pin R, which enters the hole h and forms an additional means for holding the lavatory in position, thus coöperating for this purpose and with like effect with the lugs g g. When the frame G is in position and secured to the wall, the lavatory is attached thereto by being raised up to the proper height and then lowered so that the lugs g g will enter the sockets m m and the pin R enter the hole h. The lavatory being now pressed down, the engaging parts will by their wedge-like action draw the slab or plate c close to the wall and close the joints between the plate c and the wall.

The bolts *t t* are then inserted and nuts fitted thereon.

In Fig. 4 I have illustrated a modification of part of the structure, which consists in forming the pin R with a notch *r* on its inner side to receive a wedge-shaped key T, which when the parts are in position is driven into this notch between its surface and the back of the plate *c* and in this position bears against the upper surface of the bracket D and serves to interlock the parts together, thus dispensing with the bolts *t t*. The top part of the key T may be serrated or toothed and the recess in the pin formed with a swell on its upper side or edge, as shown in dotted lines, so that when the key is driven past this swell there will be sufficient spring or friction to prevent the key from being driven out or accidentally displaced.

Having described my invention, I claim and desire to secure by Letters Patent—

1. A lavatory-supporting structure, consisting of a frame, adapted to be attached to a wall, and formed with sockets, and other connecting and supporting means, in combination with a lavatory having a vertical back or wall-plate extending above the surface of the lavatory-slab and formed with devices, adapted to engage with the sockets and other supporting devices of said frame, said wall-plate having its upper edge flanged outwardly, substantially as described.

2. The wall-frame G, having the sockets *g*, *g*, and the shelf or bracket P, having the wedge-shaped pin R, with a recess or notch formed in one side, and a wedge-shaped key fitting said notch in combination with a lavatory, having a back, or wall-plate, provided with lugs to engage with the sockets on the wall-frame, and with a shelf or bracket D, having a hole for the reception of the pin R, substantially as described.

3. A lavatory or similar article, the parts of which are cast integral, having an upright back, or wall-plate, with its upper edge flanged outwardly, and formed with depending lugs, in combination with a frame or support to be attached to a wall, and provided with means for engaging or interlocking with said lugs, substantially as described.

4. The combination with a lavatory comprising a bowl, a slab and a wall-plate rising above said slab and having an outwardly-turned edge or flange and means for attachment to a supporting-frame, of a supporting-frame adapted to be secured to a wall and to be entirely concealed by said wall-plate.

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

JOHN C. REED.

Witnesses:
EDWARD L. REED,
HARRY A. NEFF.