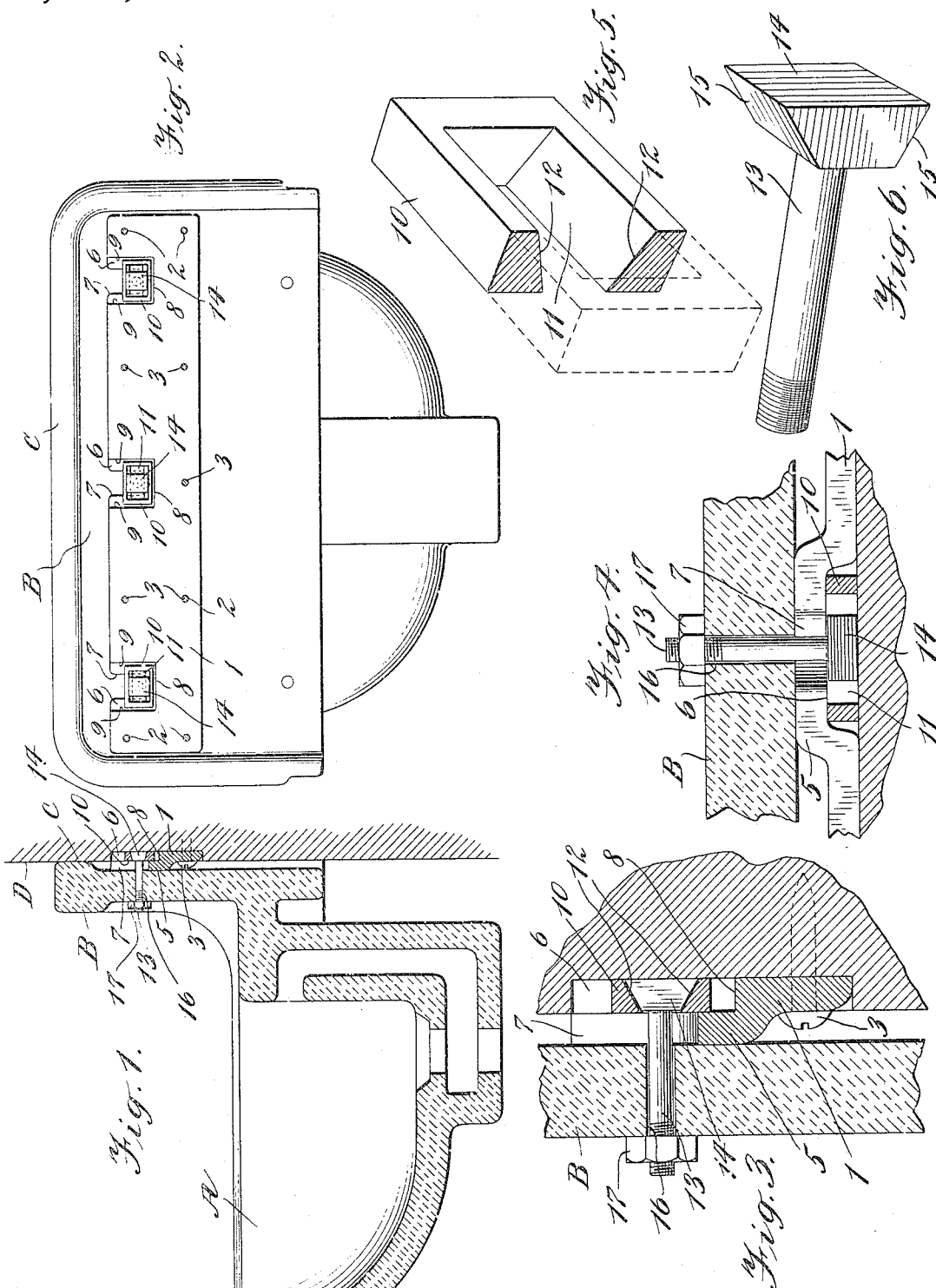


J. H. CRABIEL.
 ANCHORAGE OR SUPPORT FOR LAVATORIES OR SIMILAR ARTICLES.
 APPLICATION FILED JULY 17, 1913.

1,127,596.

Patented Feb. 9, 1915.



Witnesses:
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UNITED STATES PATENT OFFICE.

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ANCHORAGE OR SUPPORT FOR LAVATORIES OR SIMILAR ARTICLES.

1,127,596.

Specification of Letters Patent.

Patented Feb. 9, 1915.

Application filed July 17, 1913. Serial No. 779,485.

To all whom it may concern:

Be it known that I, JOHN H. CRABIEL, a citizen of the United States, residing at Pennington, in the county of Mercer and State of New Jersey, have invented new and useful Improvements in Anchorages or Supports for Lavatories or Similar Articles, of which the following is a specification.

My invention relates to new and useful improvements in anchorages or supports for lavatories or similar articles, and some of the objects of the invention are to provide a support which will be simple in construction, which may be readily installed, which will rigidly and strongly support a lavatory or similar article, and which will permit of the ready adjustment of the lavatory or similar article to proper position.

The invention consists in the improvements to be fully described hereinafter, and the novelty of which will be particularly pointed out and distinctly claimed.

I have fully and clearly illustrated the invention in the accompanying drawings, to be taken as a part of this specification, and wherein—

Figure 1 is a vertical section from front to rear through a lavatory, and my improved support therefor in operative relation; Fig. 2 is a view in rear elevation of a lavatory and my improved support in operative relation; Fig. 3 is an enlarged vertical section through the support, and a portion of the lavatory as shown in Fig. 1; Fig. 4 is a detail view partly in horizontal section, and partly in full lines of a portion of the invention; Fig. 5 is a detail perspective view partly in section—and Fig. 6 is a detail perspective view of a bolt employed.

Referring to the drawings by characters of reference, A designates a lavatory bowl of a well known type, usually made of porcelain, terra cotta, or other ceramic material, and provided with a vertical wall plate or slab B rising from the upper rear portion of the bowl, and formed on its rear face, or that face directed toward the well, with an edge flange C extending along its vertical end edges and its horizontal upper edge, said flange being adapted to abut or engage the surface of the wall D, or other vertical support, when the lavatory is secured in position. The bowl shown and just described specifically forms no part of my present invention, and I desire it understood that I do

not wish my invention to be limited to use as a support for a lavatory of the type shown, as it is adapted for use as a support for other types of lavatories, and articles similar thereto.

I will now proceed to describe one embodiment of my invention for supporting a lavatory in operative position. This means consists preferably of a supporting member 1, preferably consisting of a substantial, rigid plate of metal suitable to the purpose, and of such dimensions, strength and general contour as to adapt it to the article which it is intended to support. In the embodiment shown this plate is substantially rectangular, being preferably oblong, and is adapted to be secured in a vertical plane against a wall or other supporting surface. This plate 1 is provided with a plurality of apertures 2 adapted to receive screws 3, or similar fastening devices, by means of which said plate is rigidly secured in position on a vertical support, for example a wall, with the long diameter of said plate extending horizontally. This plate, preferably along its upper edge portion, is provided on its front face with forwardly extending projections 5, forming recesses 6 opening on the rear face of the plate, or the face toward the wall, said projections 5 being each formed with an opening preferably in the form of a vertical slot 7, extending entirely through the projection and opening into the said recess and, if desired, through the upper edge of the plate. Each recess 6 is preferably substantially rectangular in form, having a horizontal bottom wall 8, and vertical parallel side walls 9, the latter constituting guides for the up and down movement of a fastening device to be presently described. In each recess is a vertically movable fastening and guide member preferably in the form of a plate 10, shown in detail in Fig. 5, preferably rectangular in contour and of such dimensions as to be guided in its vertical movement by the said guide walls 9, the downward movement of each plate 10 being limited by the said bottom wall 8 of the recess 5, and lateral movement of said plate being prevented by engagement thereof with said walls 9. Each plate 10 is provided with an opening 11, preferably a transverse slot, the said slots 11 each registering respectively with the slots 7, heretofore described, and each being

preferably formed on its upper and lower faces with inclined walls 12, as clearly shown in Figs. 3 and 5, said walls flaring toward the rear. Extending through the slot 11 in each plate 10 is a fastening member, preferably in the form of a clamping bolt 13, having a head 14, provided with upper and lower inclined faces 15 to slidably engage the inclined faces 12 of the slot 11, heretofore described. The transverse width of the head 14, and the diameter of the shank of the bolt 13 are preferably such that said bolt is movable laterally of itself in a horizontal direction in the slot 11, and across slot 7. The shank 13 of the bolt projects through the slot 11 in the plate 10, and forwardly through the slot 7 in the member 1, said bolts being adapted to be passed through openings 16 in the wall plate or slab B, and to receive on their outer ends clamping nuts 17, by means of which said slab may be drawn up rigid against the wall or other vertical surface and into proper supporting relation to the member 1. It will be noted that the bolt is movable horizontally in the slot of the plate 10, and is movable vertically through the slot 7, by virtue of the vertical movement of the plate 10 in the recess 6. The provision of the inclined faces on the head of the fastening bolt and the slot 11 results in a strong wedging action when the nuts are screwed on the bolts, thereby making a rigid and tight connection, and also affords a guide for the horizontal movement of the bolt.

In the manufacture of ceramic lavatories and other articles, the kiln firing thereof sometimes results in distortions of the article. The fastening device and support which I have just described is particularly adapted for such articles, as the fastening devices may not only be individually adjusted vertically by sliding the bolt 13 and the plate up and down in the recess 6 and the slot 7, but the bolts 13 may also be moved horizontally in the slots 11 of the plates 10, the slots 7 being made wide enough to permit sufficient lateral movement of the bolt. By this arrangement the lavatory or other article may be readily adjusted into proper position, irrespective of the fact as to whether or not the lavatory is absolutely true, or the member 1 is accurately placed in horizontal position on the wall. The bolts can also be readily inserted in the openings 16, when the lavatory is installed, as the bolts may be moved to right or left and up or down until they are inserted in said openings.

I do not limit myself to the number of fastening devices employed in connection with the lavatory, as it will be understood that the number may be varied at will, and according to the conditions under which the support is to be used.

What I claim and desire to secure by Letters Patent of the United States is:—

1. A device of the character described, comprising a supporting member adapted to be secured to a support, said member having a recess in its rear face opening through an edge of said member, a slot through said member into said recess and having an end opening through said edge of said member, a fastening plate movable in said recess in one direction relative to said slot and having an opening registering with said slot, and a fastening bolt movable laterally in said plate opening and transversely of said slot, and movable with the said fastening plate in a direction crossing its first mentioned movement.

2. A device of the character described comprising a supporting member having an opening, a fastening bolt extending through said opening and movable laterally in different directions, a movable guide plate on said member having a guide opening receiving said bolt and guiding its movement in one direction, parallel guides for guiding movement of said plate whereby said bolt is movable in another direction, and means for limiting movement of said plate.

3. A device of the character described comprising a supporting member having an opening, a headed fastening bolt extending through said opening from front to rear of said member and having its head located on the rear of said member, said bolt being movable laterally across said opening in different directions, a movable guide plate between the rear of said member and the head of the bolt, said plate having means engaging the head of the bolt to guide the lateral movement of the latter in one direction, and guide means for the plate whereby the plate is movable in another direction with the bolt.

4. A device of the character described comprising a supporting member adapted to be secured to a support, said member having recesses on its rear face, said member having vertical slots, one of said slots opening into each recess respectively, a fastening plate movable vertically in each recess and having a horizontal slot intersecting said vertical slot, and a fastening bolt having its head engaging the rear of said plate and its shank projecting forward through the said intersecting slots and beyond the front face of the supporting member.

5. A device of the character described comprising a supporting member adapted to be secured to a support, said member having recesses on its rear face, slots in said member, one of said slots opening into each recess respectively, a fastening plate movable in each recess lengthwise of said slot, and having an opening alining with said

slot, and a fastening bolt movable laterally in said opening and transversely of said slot, and movable with the fastening plate lengthwise of the slot.

5 6. A device of the character described comprising a supporting member adapted to be secured to a support and having recesses on its rear face, openings in said member, one opening communicating with
10 each recess respectively, a fastening plate in each recess and movable lengthwise of said opening, and having an opening registering with the corresponding opening in the supporting member, and a fastening
15 bolt movable laterally in the opening in the fastening plate in a direction crossing the direction of movement of said fastening plate, and movable with the fastening plate
20 lengthwise of the opening in the supporting member.

7. A device of the character described comprising a member adapted to be secured to a support, said member having a plurality of recesses at its rear, said member
25 having an opening therethrough into each recess, a plate located in each recess and movable in one direction across the said member, each plate having a slot extending in a direction across the line of movement
30 of the plate and registering with the said opening through said member into the recess, and a fastening member extending through said slot and opening and movable laterally of itself longitudinally of said
35 slot.

8. A device of the character described comprising a supporting member adapted to be secured to a support, a plurality of recesses in the rear face of said member, a
40 guide-plate located in each recess and movable in one direction across the member, a slot in each guide-plate extending across the line of movement of the guide-plate, and a fastening member extending through
45 said slot and movable laterally lengthwise of the slot.

9. A device of the character described comprising a supporting member having an opening, a slotted guide-plate located on the rear of said member and having its slot
50 in register with said opening, said slot having inclined walls converging toward the supporting member, said guide-plate having movement in a direction across its slot, means on said member for guiding said
55 guide-plate in its said movement, a fastening member extending through the opening in the supporting member and the slot in the guide-plate and having a head having
60 inclined faces adapted to slidably engage the inclined walls of said slot, said fastening member being of less diameter than the opening in the supporting member.

In testimony whereof I have hereunto signed my name in the presence of two
65 subscribing witnesses.

JOHN H. CRABIEL.

Witnesses:

WILLIAM J. J. BOWMAN,
LEON B. SICKLES.