

W. H. DETTELBACH.
SUPPORT FOR LAVATORIES, &c.
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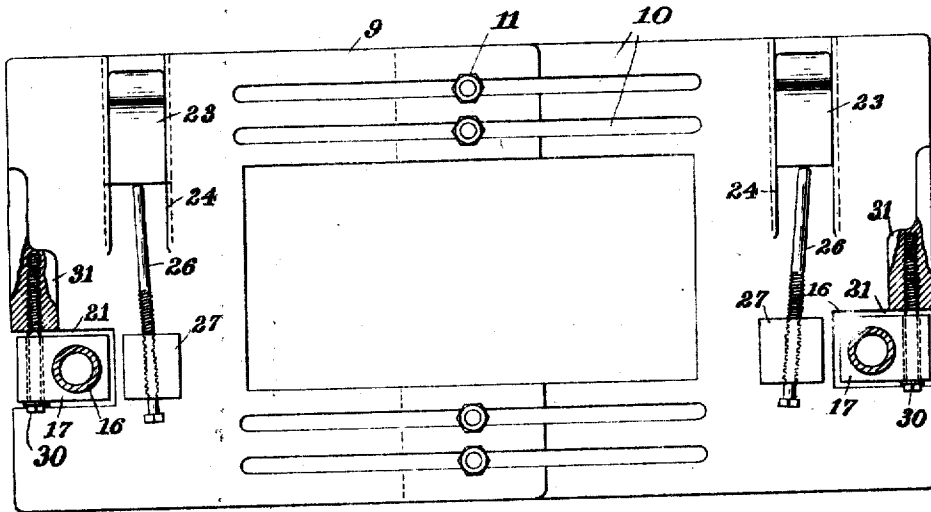


Fig. 1.

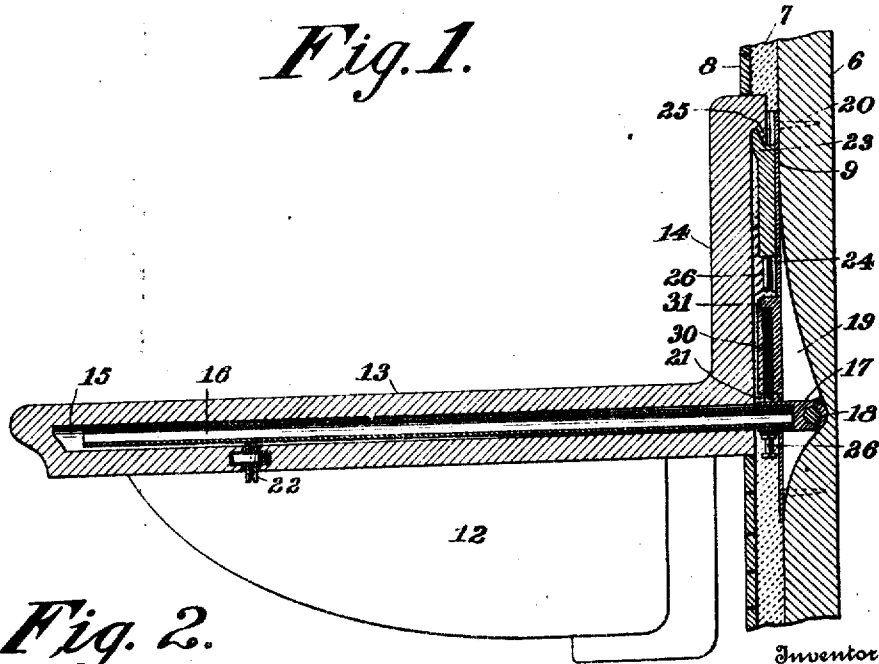


Fig. 2.

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UNITED STATES PATENT OFFICE.

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SUPPORT FOR LAVATORIES, &c.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILLIAM H. DETTELBACH, 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 Supports for Lavatories, &c., of which the following is a specification.

This invention relates to hangers or supports for lavatories, wash bowls, sinks and the like, and has for its object to provide an improved device by means of which the basin of the lavatory may be supported on the wall without the use of legs or other external supports, the hanger being adapted for attachment to the studding or other part of the wall where it will be concealed by the back board of the lavatory.

A further object of the invention is to provide improved means for leveling the lavatory or sink, or adjusting the same to any angle or to such position as may be desired.

The structure embodies a frame which is fastened to the wall of the lavatory, and hinged arms for supporting the bowl and associated parts.

The invention is illustrated in the accompanying drawings in which—

Figure 1 is a front elevation of the hanger with the lavatory or sink removed. Fig. 2 is a vertical section with the lavatory bowl in place.

Referring specifically to the drawings, 6 indicates the studding of an ordinary wall, 7 the plaster and 8 the tile or external finish. The tile and plaster are finished around the lavatory after the latter is set up.

The hanger comprises a back plate made in two sections indicated at 9, preferably of metal, which may be adjusted laterally with respect to each other according to the width of the lavatory or sink to be supported, the sections being slotted as at 10 to receive bolts 11 to hold them as set. This lateral adjustment varies the width of the back plate as desired. The lavatory bowl is shown at 12 and the top or table surrounding the same at 13 and the back board or splash board at 14, these parts being molded of earthenware or metal as usual. At each end of the lavatory top it is cored out as indicated at 15, to receive a tubular arm 16, which may consist of a piece of pipe of proper size to fit in the recess 15. This pipe is screwed at

its rear end into a hinge piece 17 which is connected by pivot 18 to reinforcing ribs 19 which in practice will be set between or beside the studding 6. The back plate is fastened to the studding by screws 20, and the hinge piece 17 projects through an opening 21 in the back plate and the arms extend out in position to support the lavatory basin, to which they are secured by set screws 22. It will be understood that there is one of these arms at each side of the bowl.

The back part or board of the lavatory is attached to the hanger by means of clamps 23 which slide in undercut guides 24 formed on the face of the plate 9, and these clamps engage at their upper ends in front of hooks 25 near the upper edge of the back board, as clearly shown in Fig. 2. The clamps are forced to engagement by bolts 26 which are threaded through lugs 27 on the front of the plate 9 and by turning the bolts the clamps are forced upwardly to hook into the back board.

In order to set the lavatory at the desired angle or level the hinged arms 16 may be raised or lowered by means of bolts 30 which extend through openings in the hinge pieces 17 and screw into lugs 31 formed on the face of the hanger plate. It will be seen that by manipulation of the screws 30 either arm 16 may be swung up or down on its pivot 18, and either or both sides of the lavatory top will be raised or lowered accordingly and when the clamps 23 are fixed the set screws 22 are finally tightened to bind the lavatory in position. After the lavatory is set up in the manner indicated the tile are finished around the same, thereby completely concealing the hanger, the lavatory being thus supported by the arms 16 in connection or association with the clamps 23.

By the means described, lavatories, sinks and similar structures may be rigidly and firmly supported in the exact position desired.

Although illustrated in connection with a lavatory having a back the invention is capable of use with a lavatory or sink having no back. In this case the clamps at the top of the back are omitted and the lavatory or the like is supported wholly by the arms 16, being clamped thereto by a suitable set screw or the like as indicated at 23. The support afforded by a pair of these arms will be

found entirely sufficient, the use of legs being avoided.

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

1. A support for a basin or the like, comprising a plate adapted to be fastened to a wall or the like, a fastening mounted on said plate in position to engage the back of the basin, and arms projecting from the plate and arranged to fit under the basin top and support the same said arms being pivoted to the plate and adapted to be raised or lowered as desired, and means to fix the arms in desired position.

2. A support for a basin or the like, comprising a back plate adapted to be fastened to a wall, said plate having guides thereon, clamps slidable in said guides and adapted to engage the back piece of the basin, and screws mounted on the plate and bearing against the clamps to advance and hold the same in such engagement.

3. A support for a basin or the like, comprising a back plate adapted to be fastened to a wall, arms pivoted to said plate and projecting forwardly into position to support the basin, and means mounted on the

plate to raise or lower the arms and to hold same in adjusted position.

4. The combination with a basin or the like having recesses in the top part thereof, a back plate, vertically adjustable arms fastened to said plate and extending forwardly into the recesses to support the basin, and a vertically adjustable clamp mounted on the plate and engaging the back part of the basin.

5. The combination with a basin or the like having recesses in the top part thereof, a back plate, arms fastened to said plate and extending forwardly into the recesses to support the basin, a clamp mounted on the plate and engaging upwardly in the back part of the basin, and set screws between the basin top and the arms, pressing downwardly on the basin, in opposition to the clamp, whereby, the basin is in tension between the clamp and set screws.

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

WILLIAM H. DETTELBACH.

Witnesses:

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