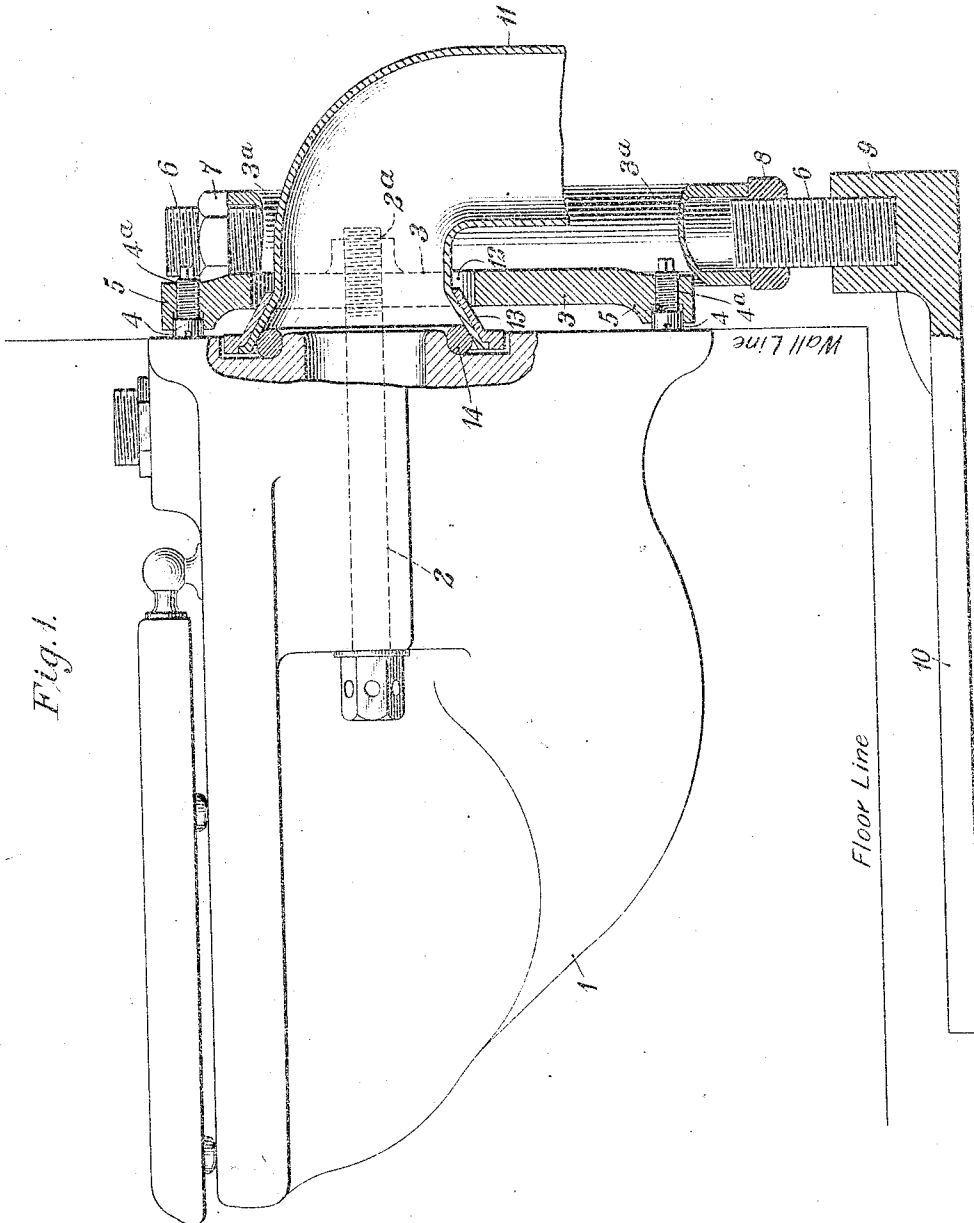


W. E. HINSDALE.
WATER CLOSET BOWL SUPPORT.
APPLICATION FILED JUNE 6, 1912.

Patented Nov. 12, 1912.

2 SHEETS-SHEET 1.

1,043,835.



Witnesses:
C. L. Belcher
M. F. Keating

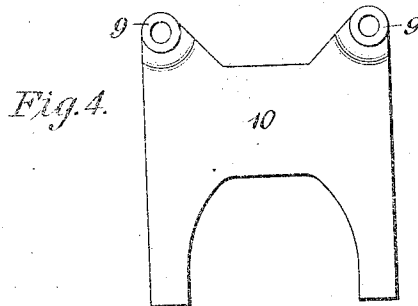
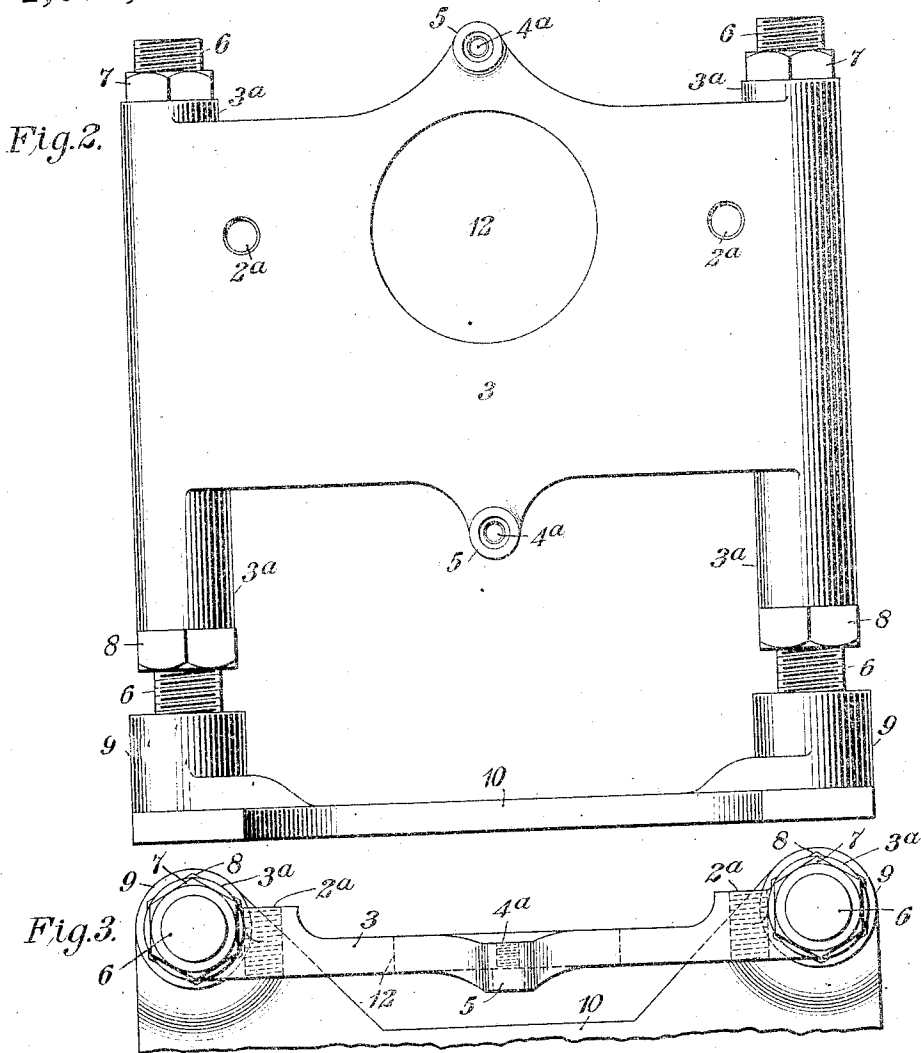
Inventor
Winfield E. Hinsdale
By Attorney
Charles J. Kintner

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UNITED STATES PATENT OFFICE.

WINFIELD E. HINSDALE, OF NEW YORK, N. Y., ASSIGNOR TO THE HINSDALE COMPANY,
OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

WATER-CLOSET-BOWL SUPPORT.

1,043,835.

Specification of Letters Patent.

Patented Nov. 12, 1912.

Application filed June 6, 1912. Serial No. 702,032.

To all whom it may concern:

Be it known that I, WINFIELD E. HINSDALE, a citizen of the United States, and resident of New York, borough of Manhattan, county and State of New York, have made a new and useful invention in Water-Closet-Bowl Supports, of which the following is a specification.

My invention is directed particularly to water closet bowl supports of the bracket type and it has for its objects, first, the effectual concealment of all of the parts of such support beneath the floor line and inside the wall line, so as to afford a neat appearance and such that the supporting parts will not change or shift owing to any change or shifting of the fittings due to expansion and contraction. Second, the rendering of such a support adjustable so that variations in the fittings, due to change of temperature or carelessness on the part of the plumber in mounting, will not change or affect it in any manner. Third, to afford a support which has the appearance of being held by the wall and which will be of greater strength and durability than is possible with any wall support heretofore invented, so far as I am aware. Prior to my invention closet bowls of this nature have been fastened directly to the sewage fittings by means of rings, yokes, and supports of various kinds, thus holding the same directly as a part of the sewage system. In practice this has been found objectionable, owing to the fact that the expansion and contraction of long lines of piping now found in relatively high buildings will destroy the alignment, often causing fracture of the walls adjacent to the closets and also of the closet bowl itself, which is generally made of earthenware. My invention is designed to overcome these objections and I effect the results sought by providing a floor plate buried beneath the floor and a plurality of adjustable uprights which in turn are permanently secured to bosses on the inner edge of the floor plate and together constitute a bracket which carries the closet bowl independent of the piping or any other attached connections. To effect this I provide a vertically adjustable support plate attached to the floor plate and I connect the closet bowl

to this plate by bolts extending through the same, also providing means for effecting the vertical adjustment of the bowl with relation to the wall and the floor, so that the seat of the bowl may be adjusted to absolute level on assembling the parts.

In order that my invention may be fully understood so that others skilled in the art may construct and use the same, reference is had to the accompanying drawings, in which,

Figure 1 is a side elevational view of an earthenware closet bowl and its hinged wooden seat, my improvement for attaching the same being shown embedded in the wall in sectional view and in the floor in side elevational view. Fig. 2 is an end elevational view of the closet supporting means embracing the entire bracket which supports the apparatus, as seen looking at Fig. 1 from left to right, the bowl, the floor line, the wall line, and the sewage piping not being shown in this view. Fig. 3 is a plan view as seen looking from the top toward the bottom of the drawings, Fig. 2, the major portion of the floor plate being broken away. Fig. 4 is a plan view on a smaller scale of the floor plate and the bosses therein to which the closet supporting plate is adjustably secured.

Referring now to the drawings in detail, in which like numerals of reference represent like parts wherever used, 1 represents the bowl of a water closet of well known form and 2, Fig. 1, one of a pair of bolts on opposite sides of the bowl which secure the latter directly against the wall.

3 represents a vertically adjustable supporting plate having two adjusting screws 4, 4, inserted in screw holes in bosses 5, 5, at the upper and lower edge of the supporting plate 3.

6, 6 represent a pair of vertical adjusting posts for the supporting plate 3, and 7, 7, 8, 8, set-nuts on the ends of the posts 6, 6 for locking the parts firmly together when the proper adjustment is effected: 9, 9, being bosses on the inner edge of the floor plate 10 for receiving said adjusting posts.

11 is the lead outlet pipe of usual form for connecting the closet bowl with the trap, said pipe having the usual cone-shaped

mouth ring of brass 13 and packing ring 14, these features constituting no part of the invention, being well known in the art.

12 is the outlet hole or opening for the bowl which is of greater diameter than the size of the outlet pipe 11 in order to permit of expansion and contraction of the pipe without affecting the stationary parts of the apparatus. 2^a 2^a are bolt holes through the supporting plate 3 for receiving the bolts 2 that support the bowl 1.

3^a, 3^a, 3^a, 3^a are pairs of cylindrical sleeves cast integral with the supporting plate 3, vertical adjustment being effected by means of the screw-threaded adjusting posts 6, 6, and nuts 7, 7, 8, 8.

4^a 4^a are bolt holes through which horizontal adjustment of the bowl 1 is effected by the bolts 4, 4.

The parts of the invention are assembled as follows:—The floor plate 10 is secured to the floor in any preferred manner beneath the floor line and the vertical supporting plate 3 is secured to the floor plate by the adjusting posts 6, 6 and adjusting nuts 8, 8. The bowl of the closet is secured in place by the bolts 2 and nuts 2^a, necessary care being taken to secure proper adjustment for the packing ring 14 between the mouth of the outlet pipe 11 and the outlet of the bowl 1, after which the bolts 2 are secured in place by the nuts at their inner ends, as shown. Then the necessary horizontal adjustment is effected by the screws 4, 4, after which the floor and wall are put in place, as shown. With this arrangement I am enabled to construct a bracket bowl support for water closets of great strength and located wholly in the wall and the floor and which will not be subjected to damaging effects due to expansion and contraction of the piping, in view of the fact that the support is held at the inner edge of the floor plate 10 and is rendered adjustable as to height by reason of the posts 6, 6, and set nuts 7, 7, 8, 8, the adjustability of the level of the bowl being further effected by the adjusting screws 4, 4 so that when the bowl is once in place there is allowed sufficient play between the mouth of the pipe 11 and the packing ring 14, and the large opening 12 in the supporting plate 3, to compensate for any unusual expansion or contraction. Furthermore, when the floor and wall lines are completed the bowl has the appearance of being supported wholly by the wall and there are no joints within the entire structure in which vermin can collect.

I do not limit my invention to the especial details of construction shown in the drawings. I believe it is broadly new with me to provide a closet bowl with a wall and floor support of bracket nature having connections between the bowl and the outlet

pipe which admit of expansibility of the pipe system. I believe it is also broadly new with me to provide a closet bowl with means located in the wall of an adjustable nature and connected to a floor plate so that the bowl shall have great strength and durability, without danger of rupture or displacement, and my claims are of the most generic nature as to these features.

I desire it to be understood that my invention is applicable also to the support of wash basins as well as water closet bowls, it being obvious that the necessary changes for applying the same to such bowls may be effected by the application of ordinary skill.

Having thus described my invention what I claim and desire to secure by Letters Patent of the United States is—

1. A water closet bowl support embracing a floor plate; a supporting plate located at an angle thereto and having an opening therethrough of greater diameter than the outlet pipe of the closet; means for attaching the closet to said supporting plate; together with means for adjusting the horizontal level of the bowl, substantially as described.

2. A water closet bowl support embracing a floor plate; a vertically adjustable supporting plate having an opening therethrough for receiving the outlet pipe of the bowl; in combination with means for adjusting the horizontal level of the bowl, substantially as described.

3. A water closet bowl support embracing a floor plate provided at its inner edge with two bosses; in combination with a vertically disposed supporting plate having an opening for receiving the outlet pipe of the bowl; together with adjusting means for effecting the horizontal level of the bowl with relation to the floor, substantially as described.

4. A water closet bowl support of bracket form, one part of the bracket being adapted to be secured beneath the floor line and the other part thereof to be secured behind the wall line; together with vertically arranged supporting parts provided with means for adjusting the bowl to various heights; in combination with means for adjusting it horizontally, substantially as described.

5. A water closet bowl support embracing a floor plate; a bowl supporting plate located at right angles to the floor plate and secured thereto by two adjustable posts, said supporting plate having an opening through it of greater diameter than the diameter of the outlet pipe; in combination with bolts on opposite sides of the closet bowl adapted to be secured to said plate, and bolts for adjusting the horizontal level of the closet, substantially as described.

6. A water closet bowl having two sup-

porting openings through its top located on opposite sides thereof; in combination with bolts extending through said openings and a supporting plate adapted to receive said bolts; together with vertically adjustable means, and a floor plate located at right angles thereto and connected to said adjustable means, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WINFIELD E. HINSDALE.

Witnesses:

C. J. KINTNER,
M. F. KEATING.