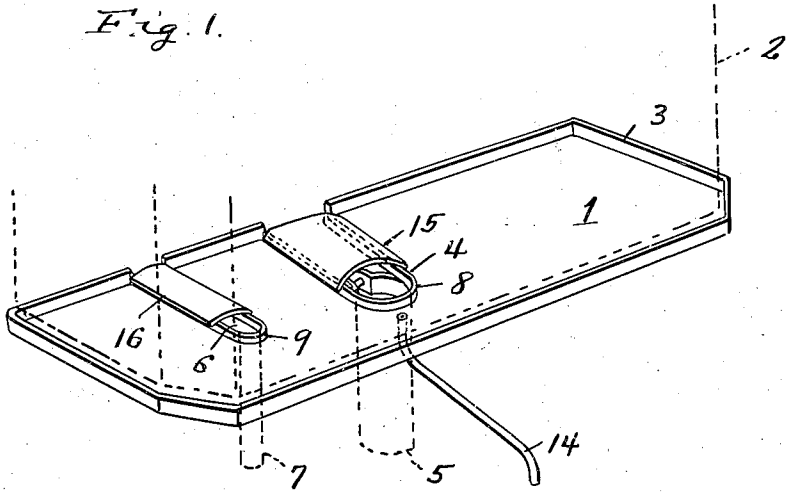
April 25, 1939. F. C. BRAATZ 2,156,174

DRIP PAN FOR FLUSH TANKS

Filed April 16, 1938

Fig. 1.



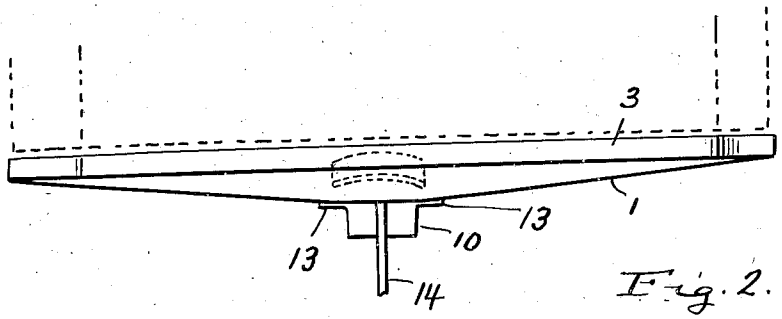


Fig. 2.

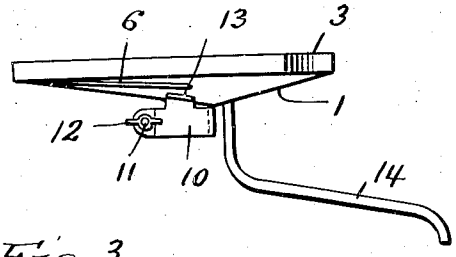


Fig. 3.

Inventor

Frank C. Braatz

By Clarence A. O'Brien

and Hyman Berman

Attorneys

Patented Apr. 25, 1939

2,156,174

UNITED STATES PATENT OFFICE

2,156,174

DRIP PAN FOR FLUSH TANKS

Frank C. Braatz, Chicago, Ill.

Application April 16, 1938, Serial No. 202,530

1 Claim. (Cl. 4—252)

My invention relates to improvements in drip pans for the flush tanks of toilets and the primary object in view is to provide an inexpensive, efficient device of this character which may be readily applied to standard flush tanks to trap and drain condensations forming thereon into the toilet bowl.

To the accomplishment of the above, and subordinate objects presently appearing, a preferred embodiment of my invention has been illustrated in the accompanying drawing, set forth in detail in the following description, and defined in the claim appended hereto.

In said drawing:

Figure 1 is a view in perspective of a drip pan constructed in accordance with my invention,

Figure 2 is a view in front elevation, and

Figure 3 is a view in end elevation.

Referring to the drawing by numerals, the drip pan of my invention comprises a hopper-like bottom 1 of substantially the same size as the bottom of the flush tank, represented at 2 in dotted lines, said bottom having an edge flange 3 adapted to fit upwardly over the sides of said tank 2 with a slight clearance between said flange and tank. In the transverse center of the pan and extending inwardly from the rear edge thereof is a slot 4 adapted to receive the usual delivery pipe 5 of said tank 2. Adjacent the appropriate end of the pan is a similar slot 6 also extending inwardly from the rear edge of the pan and for accommodating the usual supply pipe 7 leading to said tank 2. The bottom 1 of the pan is upturned around the edges of the slots 4 and 6 to provide flanges 8 and 9 of less depth than the flange 3. Beneath the inner end of the slot 4 is a U-clamp 10 suitably fixed to the bottom 1 to span the delivery pipe 5, and including a bolt 11 and wing nut 12 whereby said clamp may be secured, in a manner which will be readily understood, around said pipe 5. The clamp 10 is secured to the bottom 1 as by ears 13 thereon soldered or otherwise suitably affixed to said bottom. A drain pipe 14 is secured at one end, as by soldering, to the underside of the bottom 1 in front of the slot 4 and to extend forwardly over the bowl, not shown, of the toilet.

As will now be seen the pan of my invention is adapted to be fitted to the pipes 5 and 7 with said pipes disposed in the front ends of the slots 4 and 6 and the flanges 8 and 9 fitting part way around said pipes. In the rear of the pipes 5 and 7 the slots 4 and 6 are closed by transversely arcuate closure plates 15 and 16 fitting over the flanges 8 and 9 against displacement.

The described device may be formed of any suitable material such as sheet steel or tin, the pipe 14 being preferably of copper or other bendable material so that it may be flexed to fit over the toilet bowl as occasion may require.

Referring to the use of the invention, the condensation collecting on the tank 2 drains down into the described pan to gravitate into the lowest part thereof, which as will be clear is the center, and drains into the toilet bowl by way of the pipe 14. The flanges 8 and 9 prevent the condensation from escaping by way of the slots 4 and 6 and the plates 15 and 16 prevent dust and dirt from accumulating in the pan by way of the slots 4 and 6.

The invention will, it is believed, be readily understood from the foregoing without further explanation.

Manifestly modifications in the invention, as described, may be resorted to without departing from the inventive concept and right is herein reserved to such modifications as fall within the scope of the subjoined claim.

What I claim is:

A device of the class described for use beneath a flush tank having a pair of delivery and supply pipes extending to the bottom thereof adjacent the center and one end of the tank, respectively, comprising a pan having a hopper-like bottom adapted to be disposed beneath said tank, an edge flange surrounding said bottom and fitting around the bottom of the tank with a slight clearance between the same and said tank, said bottom having a pair of slots extending inwardly from the rear edge, whereby said pan may be manipulated rearwardly to locate the pipes in the inner ends of said slots and elevated along the pipes to the bottom of the tank, said pan being provided with edge flanges around said slots to prevent leakage therethrough, removable cover plates for said slots fitting over the edge flanges thereof and between the edge flange of the pan and said pipes and enclosed in the elevated position of the pan by the latter and the bottom of the tank against access thereto, a clamp on the bottom of the pan attachable to the delivery pipe to hold the pan in elevated position, and a drain pipe extending from the bottom of the pan.

FRANK C. BRAATZ.