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LAVATORY-WATER CLOSET COMBINATION
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4 Claims

ABSTRACT OF THE DISCLOSURE

A lavatory for mounting on a flush tank of a toilet such as used in a powder room or other room involving very limited space. The lavatory replaces the lid of the flush tank and is completely separate from a water faucet connection therefore to hot and cold water pipes located behind a wall, so as to enable the lavatory to be lifted independently of the faucet when repairs in the flush tank are necessary.

This invention relates generally to a lavatory and toilet combination and, more particularly, to a lavatory that is adapted to be mounted on top of the flush tank of the toilet.

An outstanding disadvantage of conventional powder room lavatories is that most are separately mounted from the toilet, therefore requiring additional space and separate drainage.

It has been heretofore suggested, in the past, to install a complete lavatory on top of the flush tank. However, such arrangement has not been practical nor adopted generally because it made the lavatory almost inaccessible in times of needed repairs to the water closet flush tank by requiring complete disassembly of the lavatory and its integrally mounted faucet in connection to hot and cold water pipes.

An object of the present invention is to provide a novel lavatory for a flush tank of a toilet which will overcome the above named disadvantages of well known lavatories by enabling easy and quick access to the flush tank when in need of repairs.

Another object of the present invention is to provide a very inexpensive lavatory that may be easily and quickly adapted to existing water closet flush tanks and which involves a minimum of expense and time for installation.

Still another object is to provide a relatively simple lavatory construction that is easy to install without requiring an additional drain or trap and which is easy to remove.

Other objects and advantages will become more apparent from a study of the following description taken with the accompanying drawings wherein:

FIG. 1 is a top, perspective view of a lavatory and flush tank combination of a toilet and embodying the principles of present invention;

FIG. 2 is a fragmentary, cross-sectional view taken longitudinally of the lavatory flush tank combination shown in FIG. 1; and

FIG. 3 is a fragmentary, cross-sectional view taken transversely of the lavatory flush tank combination shown in FIG. 1.

Referring more particularly to FIG. 1 of the drawing, numeral 1 denotes a toilet of conventional design having the well known flush tank 2.

In accordance with the present invention, and in place of the conventional lid (not shown) of the flush tank 2, there is provided a substantially rectangular lavatory, denoted generally by numeral 3, having soap trays or wells 5 on the sides thereof with grooves for drainage into bowl 4 which has an overflow drain 4a (see FIG. 2). Water will drain at 4e from bowl 4 through hollow spaces 12 under the trays and into flush tank 2. At the bottom of the bowl 4 there is a conventional drain 14 connected to a drain pipe 15 which extends into the upper end of the flush tank existing overflow drain pipe or tube. Holes 17 are provided in the existing overflow tube 16 so that in case of overflow in the flush tank 2 caused by drainage from bowl 4, water will drain freely through tube 16. As shown in FIG. 1, the faucet 7 is mounted on a base 6, on which is mounted hot and cold water valves 8.

Base 6 is preferably mounted on a wall W, as shown, and connections are made between the hot and cold water pipes 9 and 11 and valves 8 by selective turning of the valves 8. The faucet and valve combination is mounted well above the top level of lavatory 3, say about three inches above, so that the lavatory may be lifted from the top of flush tank 2 and removed therefrom without interference by the faucet and valves, that is, the lavatory fixtures when repairs are needed in the tank. Of course, the valve and faucet assembly and the hot and cold water pipes 9 and 11 may be located in front of the wall, if so desired, instead of on the rear as shown. Furthermore, separate hot and cold water faucets may be separately mounted on the wall if so desired.

Lavatory 3 is preferably made of molded plastic material, however it may be made of vitreous material such as porcelain or even metal, as desired. If desired, the sidewalls of the lavatory may be funneled shaped and flexible so as to fit varying top dimensions of existing water closets.

Thus it will be seen that I have provided a highly efficient lavatory-flush tank combination that enables easy and quick installation of a lavatory on existing water closet flush tanks at very low cost and which can fit a variety of water closet flush tanks; also I have provided a novel lavatory construction which separates the fixtures from the bowl to enable easy access to the interior of the water closet for purposes of repair; also I have provided a novel molded lavatory which is very inexpensive to manufacture and to assemble.

While I have illustrated and described a single specific embodiment of my invention, it will be understood that this is by way of illustration only and that various changes and modifications may be made within the scope of the following claims.

I claim:

1. For use in combination with a flush tank of a conventional toilet provided with said flush tank, a substantially rectangular, faucetless lavatory bowl detachably mounted on top of said flush tank in place of the lid thereof, and a water faucet mixture mounted entirely separately and independently of and spaced above said lavatory bowl with a clearance therebetween so that said lavatory bowl may be lifted from said flush tank for easy access to the interior thereof without disturbing said separately mounted fixture.

2. Apparatus as recited in claim 1 wherein said lavatory bowl has soap wells at the sides thereof over which open spaces are provided, and an overflow drain on the sidewall of said bowl for draining overflow water from said bowl into said flush tank.

3. Apparatus as recited in claim 1 wherein holes are provided in the top portion of an overflow drain pipe communicating with said bowl at the bottom thereof to permit overflow therethrough from said flush tank.

4. Apparatus as recited in claim 1 wherein said fixture comprises a faucet having a base with valves thereon mounted on the outside of a wall and wherein hot and
cold water pipes connected to said valves are located inside said wall.

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