Sept. 13, 1949. T. H. SARCHET 2,481,624

COMBINATION BATHROOM FIXTURE

Filed Nov. 12, 1946 2 Sheets-Sheet 1

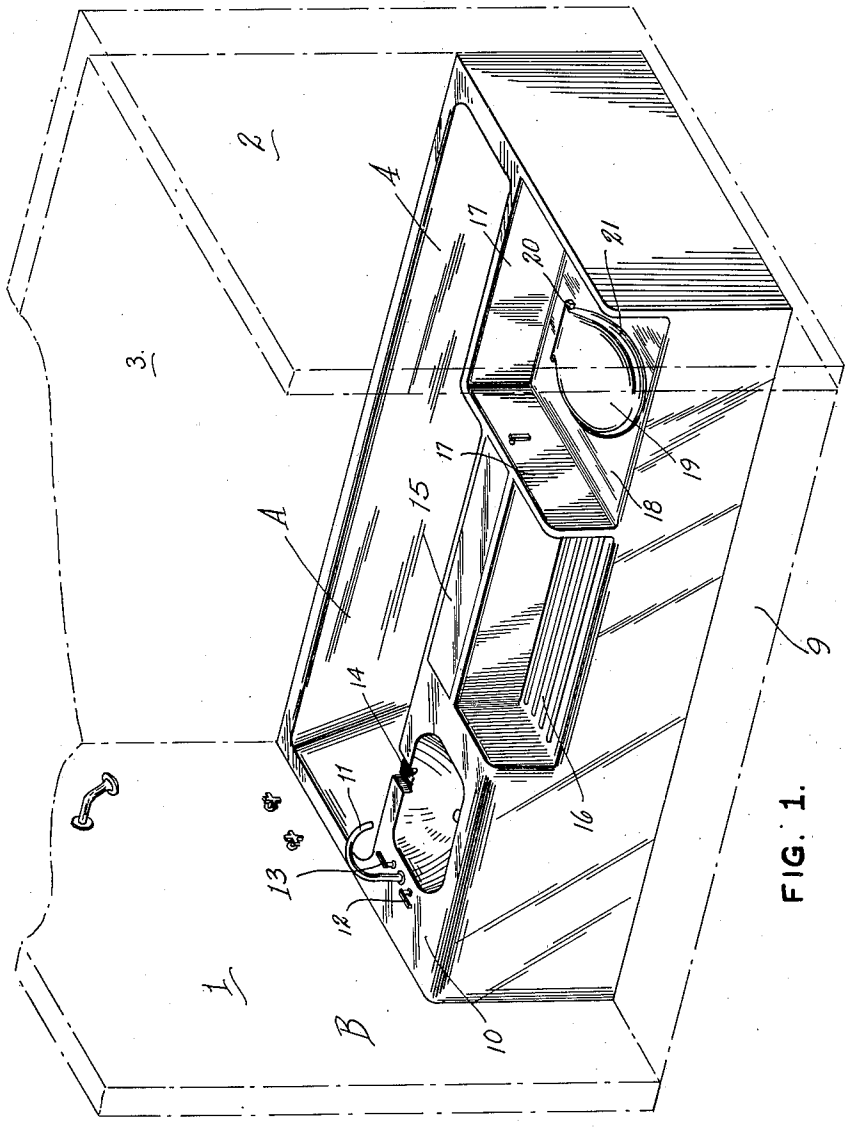


FIG. 1.

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FIG. 2.

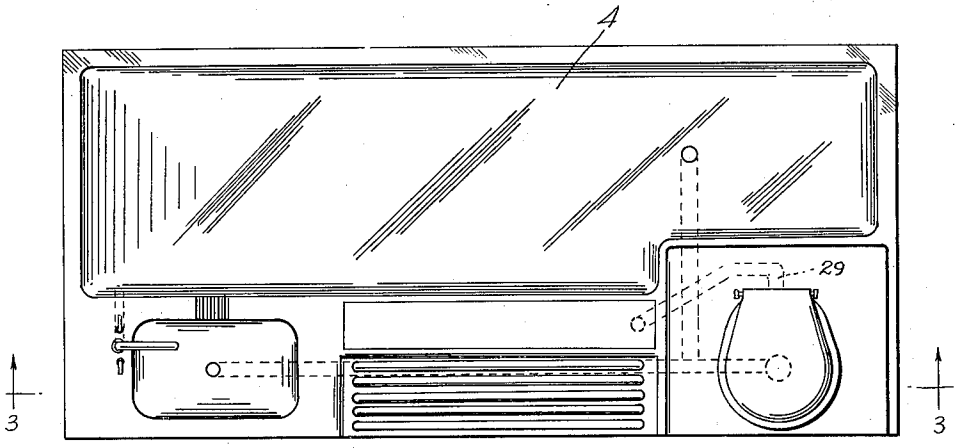
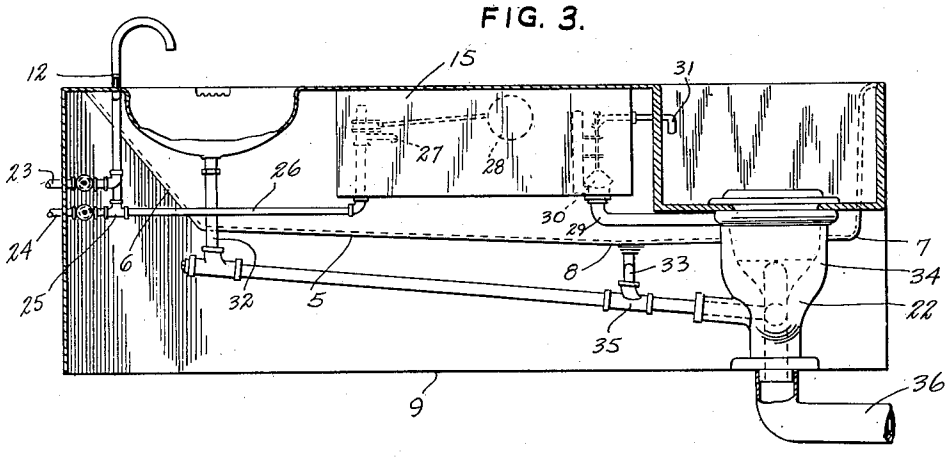


FIG. 3.



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COMBINATION BATHROOM FIXTURE

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2 Claims. (Cl. 4—2)

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This invention relates to a bathroom fixture and more particularly and specifically to a combination of a bathtub, wash basin, water closet and lavatory.

The primary object of this invention is the provision of a bathroom fixture of the character described in which the piping for all fixtures is common and is provided as a unit of the combination and is accessibly concealed therein.

Another object of this invention resides in the provision of a bathroom fixture of the character described which aims to provide a combination which will greatly conserve space and which will greatly reduce the amount and cost of plumbing required, and otherwise provide for a smaller, more serviceable, and more readily cleaned bathroom.

Still another object of this invention is the provision of a bathroom fixture of the character described which provides for construction and installation of such a unit from the least number of parts, and a unit which is of simple and extremely inexpensive design and installation.

Still further improvements and advantages of this invention will readily appear to those skilled in the art when the following description is read in the light of the accompanying drawings in which:

Fig. 1 is a perspective view of a completely installed combination fixture.

Fig. 2 is a top plan view of the combination fixture.

Fig. 3 is a vertical cross section taken on the line 3—3 of Fig. 2.

Referring now to the accompanying drawings in which like numerals indicate similar parts throughout an embodiment of this invention is illustrated which comprises a rectangular box-like member A which is adapted to be fitted in a bathroom between the two side walls 1 and 2 thereof with one long side of the member adjacent an end wall 3 of the bathroom.

An elongated hollowed out portion 4 adjacent the wall side of the member A forms a bathtub having a tapered depth formed by the bottom 5 of the tub which tapers downwardly from the left-hand angular end 6 of the tub to the right-hand end 7 thereof. The lower point 8 of the tub is spaced at a considerable distance above the floor level 9 of the bathroom.

A wash basin B is hollowed out of the top surface 10 of the block member A at the left-hand end thereof in a position in front of the tub, said basin being equipped with a single pivotal faucet 11 which is adapted to be positioned over the

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basin, or swung to a position over the tub so that either may be filled therefrom by the operation of the hot and cold water faucet controls 12 and 13 secured adjacent to the basin on either side of the faucet 11. A channel way 14 is cut out between the basin B and the tub 4, which is provided with a ridged bottom therein so that it may act as soap dish for the tub or basin, and when either the basin or tub has been filled to capacity it will act as an overflow so that the water may be drained from said filled fixture.

Running adjacent the front wall of the tub and longitudinally therewith, with one end abutting the basin stand, is a tank 15 which acts as a flush tank for the toilet bowl now to be described. A cut out step 16 with a ridged bottom therein is positioned immediately in front of the flush tank 15 at a spaced distance above the floor 9 providing an intermediate step from the floor for entrance into the tub.

The front right-hand corner of the block member A, which extends a short distance into the tub space 4, is cut out from the front at a height corresponding to the step 16 leaving only a raised wall 17 surrounding a flat seat like shelf 18 therein. A hinged cover 19 is pivotally connected as at 20 to a toilet seat 21 which is secured in the center of the shelf 18 being open therebelow into a flush tank 22 which is supported by the floor therebeneath.

The arrangement as described above provides a solitary fixture for a bathroom combining the three conventional plumbing fixtures usually found therein, thereby conserving space and cost of construction and installation.

The water supply for the basin faucet 11 is brought in in two pipes, 23, the hot water pipe, and 24, the cold water pipe, which are valve controlled by the conventional faucet handles 12 and 13. A T 25 is provided in the cold water line thereby adapting an extension 26 to be carried into the flush tank 15 where the supply control is of the conventional float type valve 27 operated by a float 28. An outlet 29 from the flush tank enters the back of the toilet bowl 22 and the flow control therefor comprises the conventional stopper type valve 30 operated by a pivotal handle 21 which extends from the wall 17 adjacent the flush tank from the toilet side into the tank in a valve operative position. As heretofore mentioned the water supply for the tub 4 is provided by the pivotal swing of the faucet 11 to a position over the tub.

The drainage from the basin comprises a down pipe 32 which curves at a point below the basin

to extend at a downward angle into the lower section of the toilet bowl **22**. A drain pipe **33** from the lower point of the tub **4** joins in with the basin drain **32** to also discharge into the toilet bowl **22**. The bottom of the tub **4** being positioned above the water line **34** of the basin **32** provides for a water seal within the toilet for the discharge line **32** which enters the bowl below its water level. This common drainage system requires only one trap **35** therein, hence further reducing the plumbing costs over the reduction provided for by the minimization of pipe in the single drain line used.

The drainage line **36** from the toilet bowl extends downwardly and outwardly beneath the floor **9** to connection with soil pipe stack in conventional manner.

Obviously, the arrangement of the fixtures herein illustrated may be rearranged to meet the demands of manufacturers or architects as well as the bathtub is elevated to permit use of the toilet trap as a common trap for all the fixtures.

Having thus fully and completely described and explained the construction and operation of this invention and believing it to be fully understood that various changes in size, shape and arrangements of the parts comprising the invention may be made without departing from the spirit of the invention or the scope of the appended claims which I here now make, I claim:

1. A combined bathroom fixture, comprising a hollow unitary rectangular body portion provided in its top adjacent to one longitudinal edge with an elongated generally rectangular bathtub recess having a slightly inclined bottom disposed at substantially the vertical center of the body portion, the body portion being further provided in its top and near its opposite longitudinal edge and near one corner with a wash basin recess having a bottom arranged at an elevation above the bottom of the bathtub recess, the body portion having a rectangular recess in its top and front side at its end remote from the wash basin recess, the last-named recess forming a toilet seat, an elongated rectangular flush tank arranged between the wash basin recess and toilet seat and adjacent to the inner longitudinal edge of the bathtub recess, the top and front side of the body portion having a step recess formed therein adjacent to the flush tank, and a toilet bowl arranged within the body portion and beneath the toilet seat and having a filled water

level below the elevations of the bottoms of the bathtub recess and wash basin recess.

2. A combined bathroom fixture, comprising a hollow unitary rectangular body portion provided in its top adjacent to one longitudinal edge with an elongated generally rectangular bathtub recess having a slightly inclined bottom disposed at substantially the vertical center of the body portion, the body portion being further provided in its top and near its opposite longitudinal edge and near one corner with a wash basin recess having a bottom arranged at an elevation above the bottom of the bathtub recess, the body portion having a rectangular recess in its top and front side at its end remote from the wash basin recess, a toilet seat mounted upon the bottom of the last-named recess, an elongated rectangular flush tank arranged between the wash basin recess and toilet seat adjacent to the inner longitudinal edge of the bathtub recess, a toilet bowl arranged within the body portion and beneath the toilet seat and having a filled water level below the elevations of the bottoms of the bathtub recess and wash basin recess, a vertical drain pipe extending below the bottom of the wash basin recess, a vertical drain pipe extending below the bottom of the bathtub recess near its end remote from the wash basin recess, a generally horizontal common drain pipe arranged below the inclined bottom of the bathtub recess and in communication with the vertical drain pipes and leading into the toilet bowl below the filled water level thereof, and a drain pipe leading from the bottom of the toilet bowl to a soil pipe, the toilet bowl serving as a single common trap for the contents of the wash basin and bathtub recesses.

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