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SANITARY FITTING

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FIG. 1

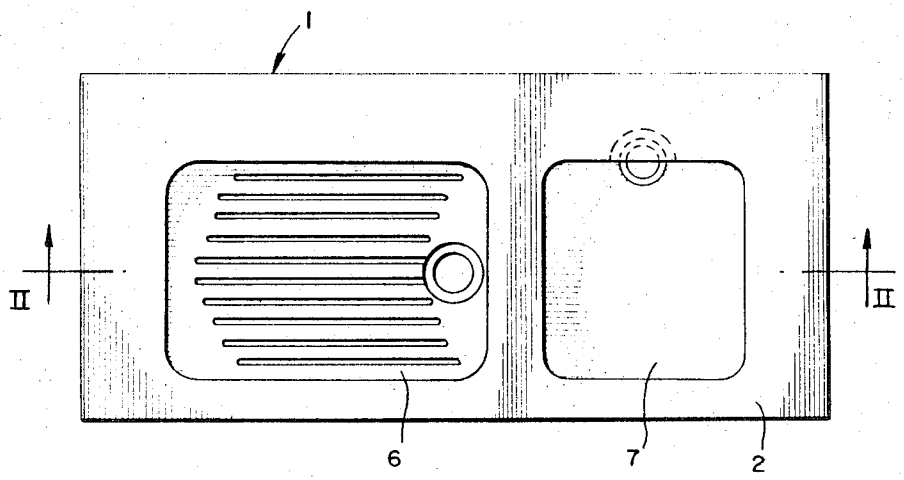
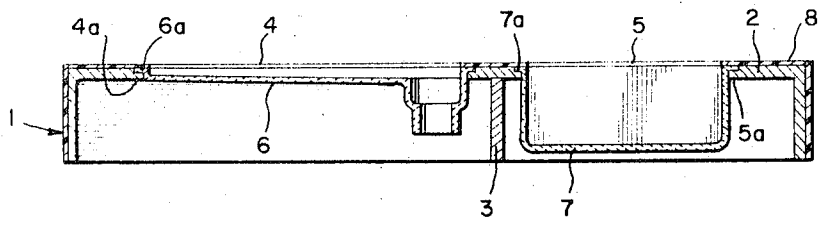


FIG. 2



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FIG. 3

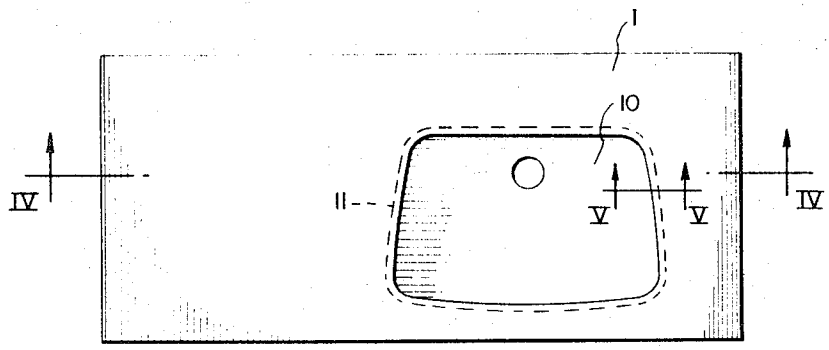


FIG. 4

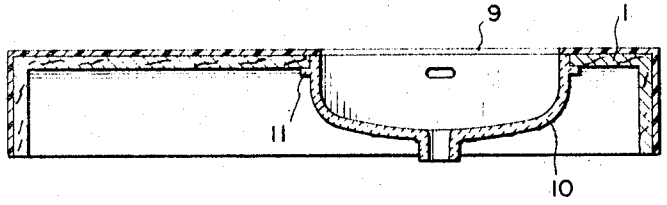
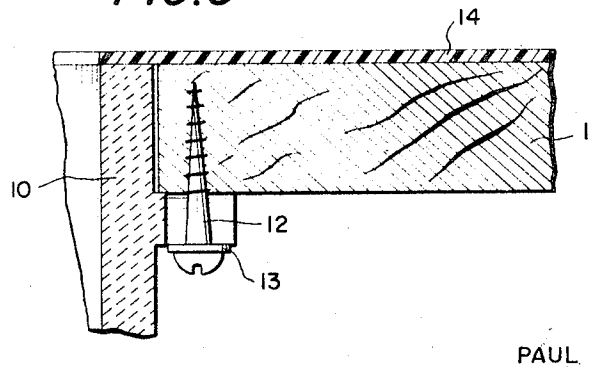


FIG. 5



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SANITARY FITTING

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Int. Cl. A45c *11/00*
U.S. Cl. 4—187 7 Claims

ABSTRACT OF THE DISCLOSURE

A built-in sanitary fitting having a frame with a horizontal supporting plate. The plate has an opening to receive a sanitary appliance. The upper part of the sanitary appliance projects through the opening so that the upper edge of the sanitary appliance is substantially flush with the upper surface of the supporting plate. A moisture repellant coating is installed on the supporting plate, at least in the vicinity of the opening, which covers the upper edge of the sanitary appliance whereby prior to installing the coating the upper surface of the appliance and the frame may be ground level and any deposits of liquid upon said coating may be easily wiped off into the appliance.

This invention relates to a built-in sanitary fitting comprising a frame which has a horizontal support plate and at least one opening therein for the reception of a sanitary appliance.

The term "sanitary appliance" in the present description includes all apparatus made from ceramics, plastics, enamelled sheet metal and the like and serving mainly for santiary purposes, such as for example washing-up tables, draining boards, washbasins, and combinations of these.

Built-in sanitary fittings of the said type are generally known and are used in most households and to some extent in industry. Conventional designs of such fittings, however, have considerable disadvantages. All-metal washing-up tables are unsatisfactory because, in spite of their popularity, they cause the housewife a considerable amount of work because even small splashes of water are very clearly visible and only an all-metal washing-up table which has been well and thoroughly dried leaves behind a clean impression. Moreover washing up in a steel sink is quite noisy and, unless the kitchen wall has good sound insulation, may be very disturbing. Matching an all-metal washing-up table with the colour of its surroundings is also impossible.

Ceramic washing-up tables also have their disadvantages. They are quite heavy and therefore not easy to carry or transport.

Known combinations of built-in parts of steel, ceramics and the like having supporting frames of wood or other material are impractical because either they do not have a flat transition zone for draining water into the washing-up basin or they form difficultly accessible corners and cracks in which dirt can readily collect.

These disadvantages are obviated by the present invention by a construction in which the upper portion of the sanitary appliance projects through the opening provided in the supporting plate so that the upper edge of the sanitary appliance is substantially flush with the surface of the supporting plate, and in which the supporting plate, at least in the vicinity of said opening, has a moisture repellent coating which also covers the upper edge of the sanitary appliance.

The surface of the built-in fitting, which is continually coming into contact with water and has usually to be washed and dried several times daily, is entirely flat and has no projections, indentations or other obstacles whatever. The sanitary appliance is easily exchanged and (like

the moisture repellent coating on the supporting plate) may be made in any colour matching the surroundings.

Two embodiments of built-in sanitary fittings in accordance with hte invention will now be described, by way of example, with reference to the accompanying drawings, in which

FIGURE 1 is a plan of a washing-up table provided with two sanitary appliances, i.e. a washing-up basin and a draining board,

FIGURE 2 is a section on the line II—II of FIGURE 1,

FIGURE 3 is a plan of a washing-up table provided with one sanitary appliance, and

FIGURES 4 and 5 are sections on the lines IV—IV and V—V, respectively, of FIGURE 3.

The washing-up table shown in FIGURES 1 and 2 comprises a frame **1** which in a preferred embodiment is made of wood but may also be made of other material, for example a suitable metal. The frame comprises a horizontal upper supporting plate **2** and four vertical side walls attached to this supporting plate, forming a flat box open at its bottom and subdivided into two compartments by a vertical partition **3**. The horizontal supporting plate **2** has two substantially rectangular openings **4** and **5** the shape of which corresponds to the outlines of two sanitary appliances **6** and **7**.

The appliance **6** in the present embodiment is a ceramic draining board, and the appliance **7** is a washing up basin.

The draining board **6** and the washing-up basin **7** have supporting rims **6***a*, **7***a*, respectively, around their entire peripheries, while ledges **4***a*, **5***a* adapted in shape and size to the above mentioned supporting rims are cut out from the edges of the openings provided in the supporting plate **2**. The supporting rims **6***a* and **7***a* and the ledges **4***a* and **5***a* of the openings are so correlated that the upper edges of the draining board and of the washing-up basin are flush with the horizontal surface of the supporting plate **2** after insertion into the said openings.

The surfaces of the frame which are visible externally are covered with a moisture repellent coating **8** which in the region of the openings **4** and **5**, extends over the upper edges of the two appliances **6** and **7**.

The operation of assembling the washing-up table is very simple. The joiner places in the frame **1** the two appliances **6** and **7** adapted in shape and size to the openings **4** and **5** as described above and bonds or cements the points of contact so as to achieve a watertight joint. The roughly cut moisture repellent coating is then pressed on and finally the coating is accurately adapted to the shape of the supporting plate and the two openings.

The securing of the sanitary appliances to the frame need not, however, be effected by bonding, but any other type of fixing may be used. In the embodiment shown in FIGURES 3 to 5, fixing by means of wood screws has been chosen.

FIGURE 3 shows a frame **1**, again consisting of wood, in which an opening **9** has been cut out. A washbasin **10**, consisting of ceramic, projects into this opening from below, a flange **11** projecting radially outward from the periphery of the basin. The flange **11** has a shape similar to that of the opening **9**, but the length of the periphery of the outwardly directed surface of the flange **11** is greater than the length of the periphery of the opening **9**, so that the flange abuts upwardly against the portion of the frame surrounding the opening (FIGURE 4). The way in which the flange **11** is secured may be seen from FIGURE 5. The flange has a number of symmetrically distributed holes or outwardly open slots through which wood screws **12** are passed and are screwed into the wood of the frame **1**. In the case of ceramic washbasins, washers **13** of plastics material, for example nylon, are preferably used with the screws.

Visible surfaces, particularly the top surface of the frame **1**, are covered by a moisture repellent coating **14** which extends in the region of the opening over the upper edge of the washbasin **10** and thus prevents penetration of moisture and dirt into the gap between the frame and the washbasin.

The coating **14** preferably consists of a plastics material, for example one of the materials sold under the trademarks Formica, Textolite, Argolite, Renowite and Kelco and in this case is bonded with a special adhesive. Coatings of glass, marble or other material suitable for the purpose may, however, also be chosen.

The frame **1** obviously need not always consist of wood, but may be made of plastics material or any other material suited to the prevailing conditions.

What is claimed is:

1. A built-in sanitary fitting comprising a frame having a horizontal supporting plate, said plate having an opening, a sanitary appliance mounted in said opening such that the upper part of said sanitary appliance projects through said opening so that the upper edge of said sanitary appliance is substantially flush with the upper surface of said supporting plate, and a moisture repellant coating on said supporting plate in the vicinity of said opening, and which covers the upper edge of said sanitary appliance whereby prior to installing said coating the upper surface of said appliance and said frame may be smoothly aligned and any deposits of liquid or dirt upon said coating may be easily wiped off into said appliance.

2. A built-in sanitary fitting according to claim **1** wherein said sanitary appliance has a supporting rim around its periphery and a ledge is cut in the edge of said opening upon which said rim rests.

3. A built-in sanitary fitting according to claim **1** wherein said sanitary appliance has a radially projecting flange which abuts against the underside of the portion of said supporting plate surrounding said opening.

4. A built-in sanitary fitting according to claim **1** wherein said sanitary appliance consists of ceramic.

5. A built-in sanitary fitting according to claim **1** wherein said moisture repellent coating consists of plastics material.

6. A built-in sanitary fitting according to claim **1** wherein said sanitary appliance is bonded to said supporting plate.

7. A built-in sanitary fitting according to claim **1** wherein said sanitary appliance is screwed onto said supporting plate.

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