Jan. 2, 1940. H. G. COORDES 2,185,186

LAVATORY OR WASHBASIN

Filed April 5, 1937

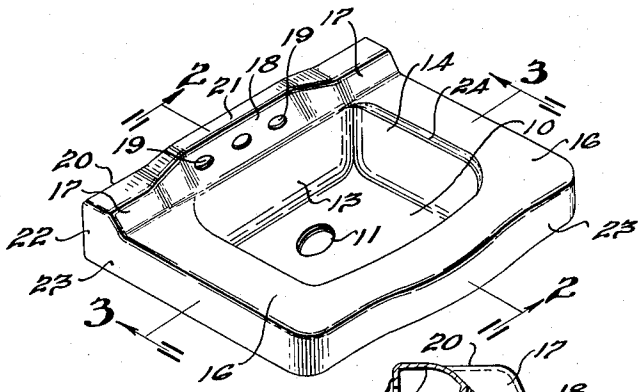


Fig. 1.

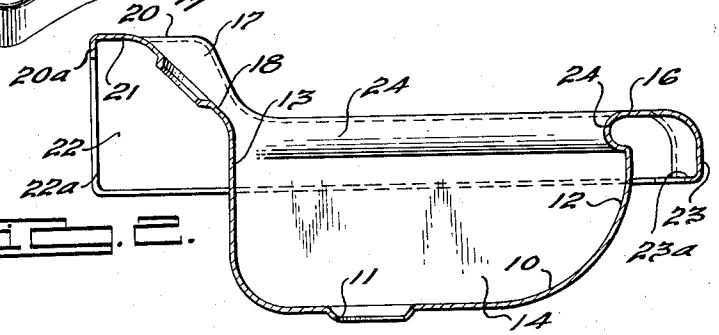


Fig. 2.

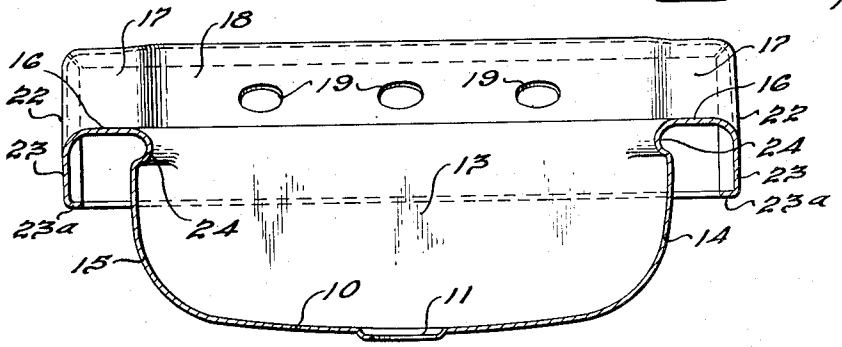


Fig. 3.

INVENTOR
Harry G. Coordes.
BY Dike, Calver & Gray
ATTORNEYS.

Patented Jan. 2, 1940 2,185,186

UNITED STATES PATENT OFFICE

2,185,186

LAVATORY OR WASHBASIN

Harry G. Coordes, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application April 5, 1937, Serial No. 135,031

3 Claims. (Cl. 4—166)

This invention relates to washbasins, such as lavatories and the like, and more particularly to such basins formed from sheet metal by stamping operations and preferably covered with a protective layer such as an enamel coating.

One of the objects of the present invention is to provide a pressed metal washbasin of the foregoing character provided with improved means not only effective to reenforce or stiffen the rim of the basin but also to prevent or assist in preventing splashing of the water from the sump over the rim thereof.

Another object of the invention is to provide a washbasin having a sump and a horizontal portion surrounding said sump, in which the capacity of the washbasin is considerably increased without sacrificing the width of said horizontal portion and without increasing the depth of the draw in the sump.

It is an added object of the invention to provide a washbasin of the above character, which is of a shape particularly adapted to be formed by stamping operations with a minimum number of dies, and which is, therefore, relatively cheap to manufacture.

Other objects of this invention will appear in the following description and appended claims, reference being had to the accompanying drawing forming a part of this specification wherein like reference characters designate corresponding parts in the several views.

Fig. 1 is a perspective view of a washbasin of the lavatory type embodying the present invention.

Fig. 2 is a transverse sectional view taken on line 2—2 of Fig. 1, looking in the direction of the arrows.

Fig. 3 is a longitudinal vertical sectional view taken on line 3—3 of Fig. 1, looking in the direction of the arrows.

Before explaining in detail the present invention it is to be understood that the invention is not limited in its application to the details of construction and arrangement of parts illustrated in the accompanying drawing, since the invention is capable of other embodiments and of being practiced or carried out in various ways. Also it is to be understood that the phraseology or terminology employed herein is for the purpose of description and not of limitation, and it is not intended to limit the invention claimed herein beyond the requirements of the prior art.

In the drawing there is shown, by way of example, a single type of pressed metal washbasin embodying the present invention. A washbasin constructed in accordance with the present invention comprises generally a sump having surrounding upstanding walls pressed along their upper edges to provide a generally horizontal portion merging smoothly and seamlessly into said walls. Along the line of merging of the walls of the sump and said horizontal portion there is formed a bead or ridge extending inwardly of the sump, thereby forming both a stiffening means and a splash preventing means. In the present embodiment of the invention said splash preventing bead extends continuously around the sides and the front of the sump. However, it should be understood that my invention is not limited to such an arrangement, and that a bead extending around all four sides of the sump, or along only one or two sides thereof may be utilized.

The washbasin of the present invention is preferably pressed from a single metal blank to provide a sump or fluid receiving bowl having a bottom 10 provided with a drainhole 11, said bottom being made slightly sloping toward said drainhole to provide proper drainage. Along its four edges the bottom 10 is provided with surrounding upstanding walls 12, 13, 14 and 15 into which said bottom merges smoothly and seamlessly, the numerals 12 and 13 indicating the front and the rear walls, respectively, and the numerals 14 and 15 indicating the side walls of the sump. The walls 13, 14 and 15 merge smoothly and seamlessly into a generally horizontal ledge 16 which extends outwardly of the sump or bowl and surrounds the front and the sides thereof.

The rear edge of the ledge 16 substantially coincides with the upper ends of the rear wall 13 of the sump, said edges extending substantially in a straight line at which they merge smoothly and seamlessly into an inclined rear portion or splashback 17. The central portion of the splashback 17 is made concaved as shown at 18 in Fig. 1 to accommodate a number of suitable faucets arranged at the faucet holes 19 pierced through said portion 18, and to give to the sink a more pleasing appearance. Along its upper edges said inclined portion 17 is provided with a rearwardly extending flange 20, the middle portion whereof is slightly raised as shown at 21. The ends of the top flange 20 and the inclined splashback 17 merge into vertical end flanges 22 forming continuations of a continuous depending flange 23 extending around the three sides of the horizontal ledge 16. The bottom edges of the apron 23, the vertical edges of the end flanges 22

and the rear edge of the top flange 20 are provided with stiffening flanges indicated by the characters 23*a*, 22*a* and 20*a* respectively.

It is an important feature of the present invention that along the line of merger of the sump walls with the horizontal ledge 16 there is provided a continuous splash preventing reenforcing bead 24, said bead being made inwardly projecting as is clearly shown in Figs. 2 and 3. The ends of said bead 24 merge into the rear wall 13 of the sump. It will be clear in view of the foregoing that by virtue of the above described construction the capacity of the sump is greatly increased without sacrificing the width of the horizontal portion 16. At the same time the bead 24 prevents splashing of water from the sump and permits more free use of the sump without the inconvenience of splashing the water on and over the horizontal ledge or rim 16.

I claim:

1. A washbasin pressed from a single metal sheet to provide a sump having upstanding walls extending around three sides of the sump, the upper edges of said walls being outturned to provide a continuous rim flange terminating in a depending apron having inturned lower edges, said rim flange being extended inwardly to provide a reinforcing rib overhanging said walls.

2. A washbasin pressed from a single metal sheet to provide a sump having upstanding walls extending around three sides of the sump, the upper edges of said walls being extended inwardly in the form of a continuous rib overhanging the sump walls and thence extended outwardly to form a continuous relatively wide rim or ledge, the latter terminating in a depending apron flange having inturned lower edges.

3. A washbasin pressed from a single metal sheet to provide a sump having upstanding walls extending around three sides of the sump, the upper edges of said walls being extended inwardly in the form of a continuous rib overhanging the sump walls and thence extended outwardly to form a continuous relatively wide rim or ledge, the latter terminating in a depending apron flange having inturned lower edges, said rib, rim, apron flange and inturned lower edges providing a box-like reinforced structure extending continuously around three sides of the sump.

HARRY G. COORDES.