Sept. 25, 1923. 1,468,917

W. N. OSBURN

SOAP DISH

Filed Jan. 3, 1922

Fig. 1.

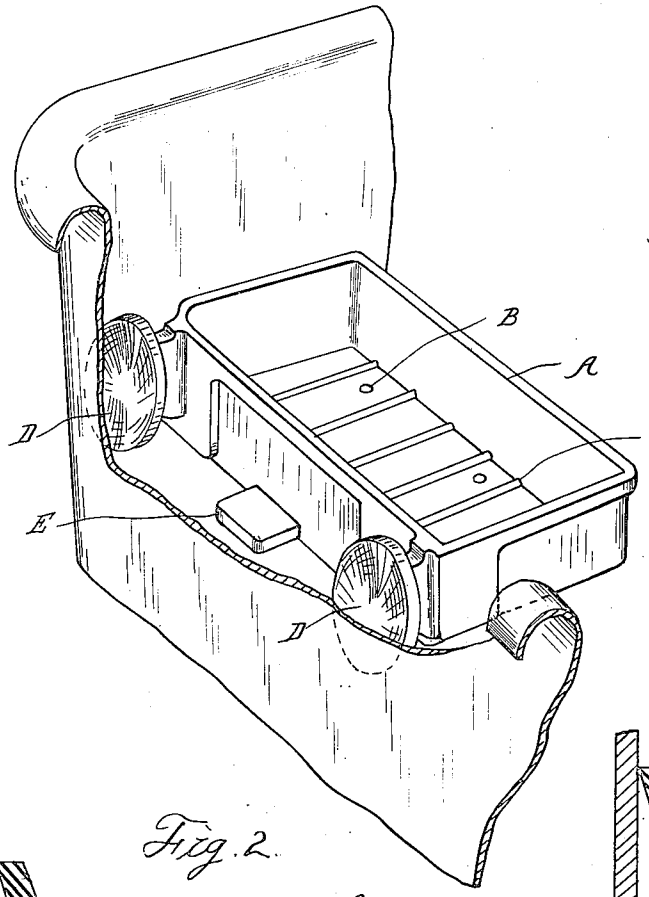


Fig. 2.

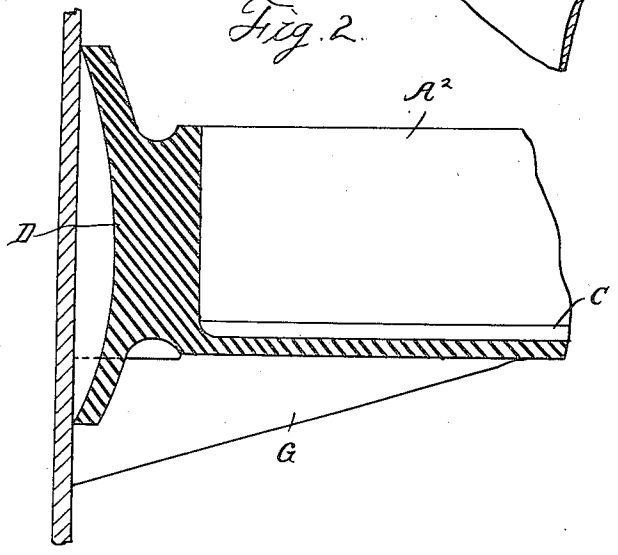
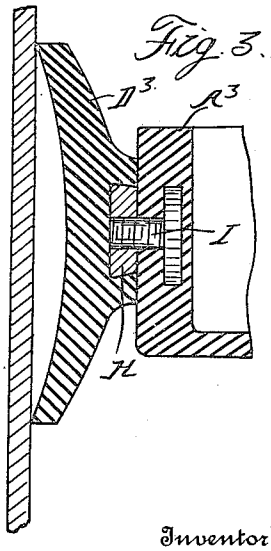


Fig. 3.



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UNITED STATES PATENT OFFICE.

WALLACE N. OSBURN, OF NOVI TOWNSHIP, OAKLAND COUNTY, MICHIGAN.

SOAP DISH.

Application filed January 3, 1922. Serial No. 526,561.

To all whom it may concern:

Be it known that I, WALLACE N. OSBURN, a citizen of the United States of America, residing at township of Novi, in the county of Oakland and State of Michigan, have invented certain new and useful Improvements in Soap Dishes, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to soap dishes and relates particularly to soap dishes for bath room use, equipped with vacuum cup supporting means.

The invention consists in the structural features hereinafter described and illustrated in the accompanying drawings wherein:—

Figure 1 is a perspective view of the improved soap dish applied to a bath tub;

Figure 2 is a sectional view of the same slightly modified;

Figure 3 sectionally illustrates a modified connection between the vacuum cup and soap dish;

In these views the reference character A designates a soap dish having the usual opened top rectangular form and preferably formed of rubber. The bottom of said dish is formed with one or more drain openings B and is further formed with integral ribs C for elevating the soap slightly above the bottom. To each end of the dish A there is secured a rubber vacuum cup D preferably formed integral with the dish. Said cups are similar in size and form and are adapted to coact to support the dish A in its position of use as shown in Figure 1. The outer faces of the cups D are of the customary concave form so as to produce in conjunction with the wall of a bath tub or other fitting, a chamber from which the air may be expelled by deformation of the cup to produce adhesion of the cup to said wall. Preferably the rib or web connecting each cup to the dish A is vertically elongated, extending approximately the full height of said dish. E is a lug formed integral with the dish A and projecting coextensively with the cups D midway between the latter, and adjacent the bottom of the dish. Said lug provides a bearing for the dish against the wall engaged by the vacuum cups at a point below the axis of said cups, so as to resist the bending moment arising from the weight of the dish and its contents and acting about an axis passing through the two cups transverse to their respective axes.

In the alternative construction shown in Figure 2 the bending moment aforementioned is taken care of by an extension of a triangular rib G formed integral with the dish A^2 beneath the same and constituting a reinforcement as well as, an abutment to engage the bath tub wall.

The alternative means shown in Figure 3 for attaching a vacuum cup to a soap dish comprises a metal nut H embedded in the cup D^3 and a bolt I having its head, and a portion of its shank embedded in the dish A^3. An end portion of said shank projects laterally from the dish A^3 and is engageable by the tapped opening in the nut H. Thus the vacuum cup and the dish may be separately formed and not necessarily of the same material.

A soap dish employing the described construction is advantageous in that it is nonmetallic and consequently rust proof and is readily attachable to a tub or lavatory at any elevation or circumferential point.

What I claim as my invention is:—

In a device of the class described, an open top soap dish formed from resilient material, a pair of parallel vertical webs extending outwardly from one side of said dish adjacent to the ends thereof, said webs extending substantially from the bottom to the top of said dish and terminating outwardly in a pair of suction cups adapted to engage a fixture to support said dish, and a flat horizontally disposed lug extending outwardly from said dish between said webs and adapted to terminally engage said fixture to assist said cups to support said dish.

In testimony whereof I affix my signature.

WALLACE N. OSBURN.