

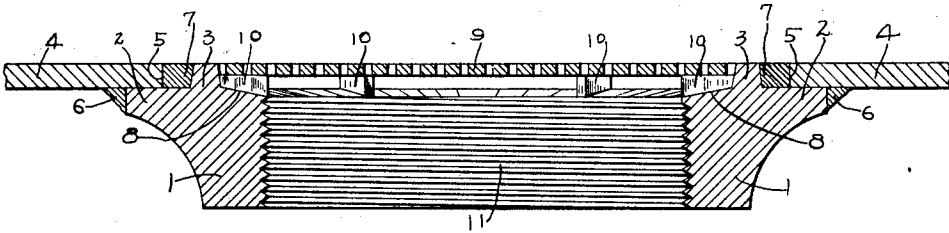
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E. F. NIEDECKEN ET AL

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DRAIN CONNECTION

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INVENTOR.

Edward F. Niedeken
Walter J. Jones

BY

Boothby, Howard, Leach, McKim, and Hurd

ATTORNEY.

UNITED STATES PATENT OFFICE

EDWARD F. NIEDECKEN, OF MILWAUKEE, WISCONSIN, AND WALTER I. JONES, OF JOLIET, ILLINOIS

DRAIN CONNECTION

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This invention relates to an improved drain fitting for use with shower stalls, tanks, basins, tubs, or other receptacles.

The object of the invention resides in the organization of a drain fitting with the outlet or draining opening of a shower stall, or the like, in such a novel and effective manner as to preclude corrosion and strengthen and reinforce the structure of the shower stall or the like around the drain opening while providing a permanent connection between the drain fitting and the shower stall.

Another object resides in the provision of a drain fitting of this character which is equipped with a novel form of strainer also tending to preclude the collection or retention of water in or around the drain fitting.

A further object resides in the provision of a drain fitting having these advantages and capacities and which is of simple and durable construction, reliable and effective in operation and easy and comparatively inexpensive to manufacture.

Other objects and advantages reside in certain novel features of the construction, arrangement and combination of parts which will be hereinafter more fully described and particularly pointed out in the appended claim, reference being had to the accompanying drawing forming a part of this specification, and in which:

The figure is a fragmentary view in section showing a portion of a receptacle such as a shower stall equipped with a drain fitting embodying the present invention.

Referring to the drawing, the numeral 1 designates the annular body of a drain fitting. As indicated, this body has an outwardly directed annular flange 2 and an upwardly directed annular flange 3 located in spaced relation to the periphery of the flange 2. The bottom of the shower stall or other receptacle to which the drain fitting is applied is designated diagrammatically at 4 and is formed with an outlet opening 5. In the assembly, the drain fitting 1 has its flange 2 fitted flush against the underside of the shower stall around the outlet opening thereof and the flange 3 projects into the outlet opening.

A weld 6 is provided between the periphery

of the flange 2 and the bottom of the shower stall 4 and secures the drain fitting in place and also closes the interstice between the flange 2 and the shower stall 4 at the periphery of the flange 2 as the weld is co-extensive with the periphery of the flange 2. A weld 7 is provided between the flange 3 and the marginal wall of the outlet opening 5 to secure these parts together at this point and to close the interstice or space between the drain fitting and the shower stall at the marginal wall of the outlet opening 5. This weld 7 extends around the entire circumference of the marginal wall 5 of the outlet opening and is ground flush with the top of the flange 3 and the inside surface of the bottom 4.

Inwardly of the flange 3 the drain fitting is provided with an inwardly and downwardly inclined strainer seat 8. A strainer 9 is provided and has inclined or bevelled lugs 10 secured to its underside at spaced points around its periphery and engaged with the bevelled seat 8. The margin of the strainer 9 is spaced from the flange 3 and this with the bevelled seat 8 prevents the accumulation of water between the edge of the strainer and the strainer seat and insures the discharge of the water down through the drain fitting.

The drain fitting may be internally threaded as at 11 to adapt it for connection with a drain pipe or with a coupling member connected to the drain pipe.

With this construction the welds 6 and 7 permanently secure the drain fitting to the shower stall, seal the interstice between the drain fitting and the shower stall to exclude all moisture and prevent corrosion and actually strengthens and reinforces the portion of the shower stall in the region of the outlet opening. The weld 7 is so organized with the fitting and stall that it can be easily finished. And the fitting is adaptable to a strainer construction and support which also functions to prevent any accumulation or retention of moisture at the outlet.

The invention claimed is:

A drain fitting for the outlet of a receptacle comprising an annular body portion having a peripheral flange fitted flush up against the receptacle around the outlet

opening, and also having an annular flange projecting up into the outlet opening adjacent the marginal wall thereof, a weld between the peripheral flange and the receptacle extending entirely around the peripheral flange, a weld between the upwardly extending flange and the marginal wall of the receptacle to seal the interstice between the fitting and the receptacle around the marginal wall of the outlet opening of the receptacle, said body having a strainer seat inwardly of its upwardly extending marginal flange.

In witness whereof, we hereto affix our signatures.

EDWARD F. NIEDECKEN.
WALTER I. JONES.

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