

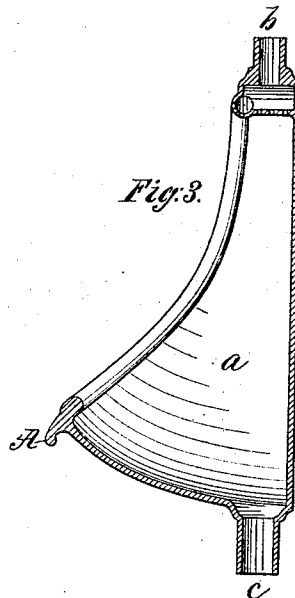
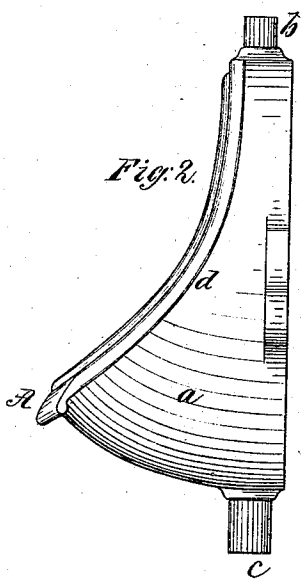
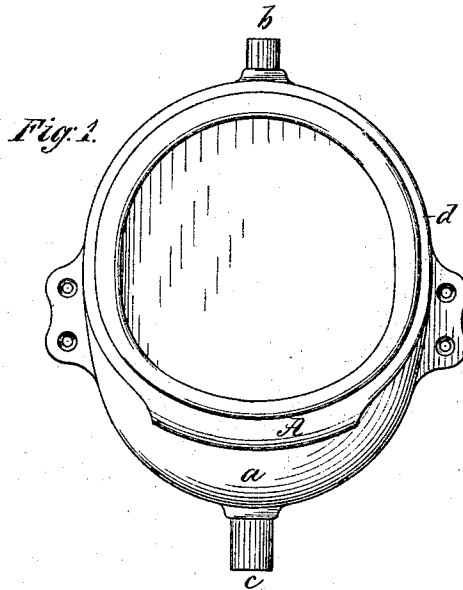
(No Model.)

E. F. BALDWIN.

URINAL.

No. 268,379.

Patented Dec. 5, 1882.



Witnesses;
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UNITED STATES PATENT OFFICE.

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URINAL.

SPECIFICATION forming part of Letters Patent No. 268,379, dated December 5, 1882.

Application filed March 27, 1882. (No model.)

To all whom it may concern:

Be it known that I, E. FRANCIS BALDWIN, of Baltimore, Maryland, have invented certain new and useful Improvements in Urinals, of which the following is a specification.

Urinals as now made are of course provided with an ample wash within the bowl to carry off the urine and prevent the accumulation of any offensive scale or deposit. It is found, however, that while the cleansing of the interior is thus well provided for, the cleansing of the exterior is not, for terminal drippings of urine continually fall on the edge of the bowl and run down the outside, and thus accumulate a scale or deposit on the exterior of the bowl and down along the waste-pipe leading therefrom. The nature of this deposit, owing to its consistency and adherence, and from its pervasive, pungent, and foul odor, renders it exceedingly offensive, and is the chief cause of the offensive smell in hotels or other public places where a number of urinals are constantly in use; and, furthermore, owing to its strong alkaline quality, it soon corrodes the glaze of the bowl, and is rapidly absorbed by the porous body of the earthenware, thus becoming, as it were, fixed in the bowl, which then becomes a permanent offence. To prevent this nuisance a frequent sponging of the exterior of the bowl is necessary, which, for many reasons, is so offensive to the porters or other men whose duty it is that they naturally shrink from it and frequently avoid it, thus allowing the nuisance to continue. Now, to obviate this objection, I form the mouth of the bowl with an overhanging lip or flange which projects at a salient angle outward and downward, which flange intercepts the drip before referred to and causes it to fall directly downward upon the floor, where it becomes absorbed by the film of earthy matter brought there by the general traffic, and thus becoming mixed with the earthy matter, or with the sawdust or sand upon the floor, is thereby rendered inoffensive, and is removed unconsciously every time the floor is swept, thereby preventing any accumulation upon the bowl or upon the floor, and thus obviating the offense before referred to, while at the same time avoiding the necessity for any unpleasant

cleansing operation on the part of the attendant.

In the annexed drawings, Figure 1 presents a front elevation of my improved urinal; Fig. 2, a side elevation thereof, and Fig. 3 a central vertical section. These drawings show the ordinary form of urinal with flat back to be placed directly against a wall; but my improvement may be as readily applied to angular urinals for corners, or to those of any other shape.

a indicates the bowl of the urinal, having the usual water-inlet, *b*, at the top and the waste-outlet *c* at the bottom. Around the edge of the bowl extends the usual ornamental bead, *d*, which, however, according to my improvement, is extended outward and downward around the mouth or front of the bowl, as shown well in Figs. 1 and 2, so as to form an overhanging lip or flange, *A*, which projects out from the bowl at a downward inclination, as seen best in the sectional view, Fig. 3. It will hence be readily understood that any drip falling on the top of the flange *A* will run down the front of the same, and, being prevented by gravity from running up the back of the flange, will thence drop from its lower edge directly onto the floor, or into a box of earth, sawdust, or disinfecting material that may be placed on the floor to receive it. Hence this drip is prevented from running down the outside of the basin, and the nuisance before noted is thereby obviated in a simple and efficient manner.

The drip-flange *A* is of course preferably made integral with the bowl, as seen in Fig. 3; but it may be formed separate and attached to the bowl, if desired.

What I claim is—

1. A urinal having the edge of its bowl provided with an overhanging flange, *A*, substantially as and for the purpose set forth.

2. A urinal having the edge of its bowl provided with an overhanging flange, *A*, integral with the bowl, substantially as and for the purpose set forth.

E. FRANCIS BALDWIN.

Witnesses:

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