

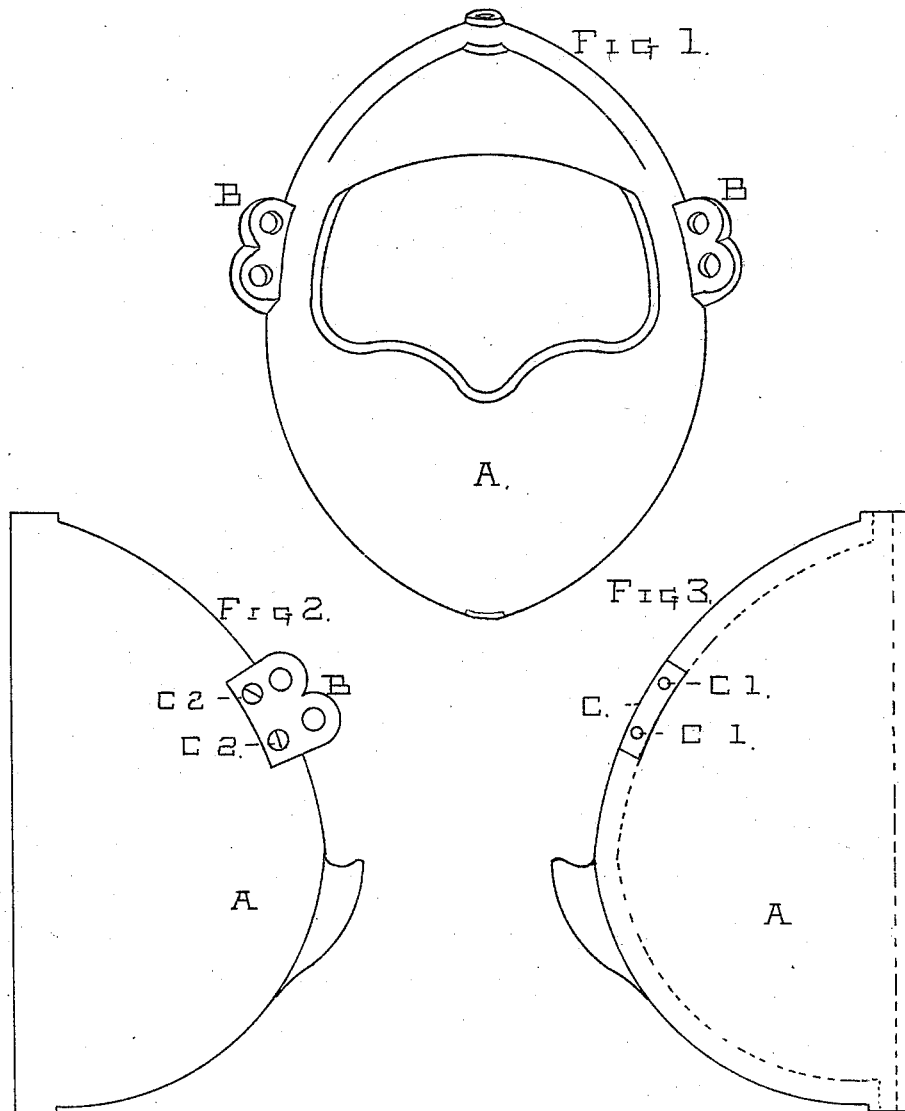
(No Model.)

I. DAVIS.

URINAL.

No. 301,219.

Patented July 1, 1884.



WITNESSES.

Geo. B. Yard
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INVENTOR.

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His atty

UNITED STATES PATENT OFFICE.

ISAAC DAVIS, OF TRENTON, NEW JERSEY.

URINAL.

SPECIFICATION forming part of Letters Patent No. 301,219, dated July 1, 1884.

Application filed December 24, 1883. (No model.)

To all whom it may concern:

Be it known that I, ISAAC DAVIS, a citizen of the United States, residing at Trenton, in the county of Mercer and State of New Jersey, have invented certain new and useful Improvements in Urinals, of which the following is a specification.

The class of urinals to which my invention particularly applies are those which are, by means of lugs or projections, screwed or bolted to wooden or other supports—as, for instance, in the closets of railway-cars or on board of vessels. The urinal being constructed of pottery-ware, and these lugs or projections, being simply extended beyond the outline of the urinal, are formed in one therewith, and have all the brittleness and lack of flexibility of the ware of which the urinal is composed. These urinals are sometimes triangular in shape, adapted to be bolted or screwed to the corner of the closet or room, and sometimes flat upon the back, and adapted to be bolted or screwed to the side of the closet or room. In either case it is found in practice almost or quite impossible to mold and fire the ware without warping, and the result is that the urinal does not fit accurately to the place for which it is designed, and the lugs, being brittle and rigid, are frequently broken by the workmen in securing the urinal in place. Sometimes, when the warping has been considerable, the workman is unable to bring the lugs firmly against the support, and fills the intervening space with putty, which, especially in the case of railway-cars, on drying becomes loose and rattles out, and the urinal being shaken against the support by the concussion of the car, the lugs are thereby broken

and the whole urinal is spoiled. To remedy these defects and to provide a means of attaching the urinal to its support which shall be inexpensive, efficient, and durable is the object of my invention.

One of my urinals is shown in the accompanying drawings, in which similar letters of reference indicate similar parts.

In these drawings, Figure 1 is a front view of the urinal A. Fig. 2 is a view of one of the sides with lug attached, and Fig. 3 is a similar view with lug unattached.

In making my urinal, at the time that I mold it, I cut, at the place where the lug is usually molded, a notch or open mortise, C, Fig. 3. In the bottom of this mortise I form screw-holes C', by turning a screw therein, and then unscrewing it therefrom. The urinal is then fired or baked in the usual manner. This notch and these holes having been made a little larger than are needed, thereby allowing for the shrinkage, which always results from the firing, I then take pieces of metal or other strong or tough flexible material—as lead, spelter, or caoutchouc in its various forms—(shown at B,) and by means of the screws C' fasten them firmly in the notches C, thereby forming lugs, which are durable and capable of firmly and permanently attaching the urinal to its support.

What I claim as my invention is—

The urinal A, provided with the lugs B, of flexible material, attached thereto, substantially as shown and described.

ISAAC DAVIS.

Witnesses:

JAMES BUCHANAN,
JOS. E. HUNT.