

F. ADEE.
Urinal Shield.

No. 211,078.

Patented Jan. 7, 1879.

Figure 1.

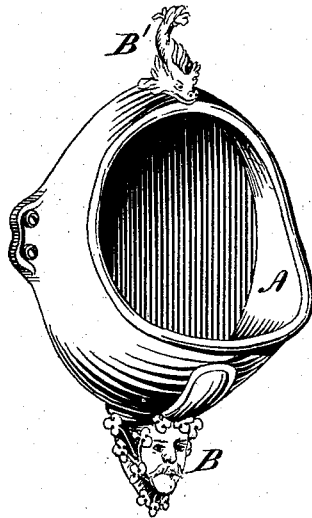
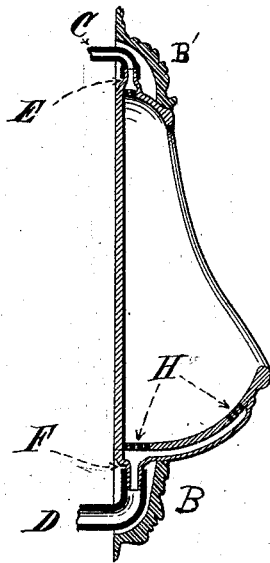


Figure 2.



Witnesses:

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Inventor:

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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN URINAL-SHIELDS.

Specification forming part of Letters Patent No. **211,078**, dated January 7, 1879; application filed December 8, 1878.

To all whom it may concern:

Be it known that I, FRED. ADEE, of the city, county, and State of New York, have invented a new and useful Improvement in Urinal-Shields, of which the following is a full, true, and exact description, reference being had to the accompanying drawings.

In the ordinary construction of the urinal-basin it is customary that the water-supply pipe enter the basin from above, while the drain-pipe leaves it from below. These water-pipes and drain-pipes are connected by putty joints to the urinal-basin by means of nipples attached to and forming part of said basin. The urinal-basin is formed of porcelain or earthenware. The pipes, on the other hand, being of lead or other metal, present an unsightly appearance, and it is customary to conceal them by means of caps or shields attached to the urinal-basin, and concealing the joints of the water and drain pipes. These shields have heretofore been made of metal; but it has been found impossible to preserve the surface of these metallic shields, owing to the action of the fluids upon them. Therefore, after a few days' use, their surface becomes disintegrated and oxidized and very unsightly.

It has been known that metal is oxidizable by the action of the liquid urine; but it has not been known until lately that metal was oxidizable by the gases arising therefrom. Nor has it been known that porcelain would resist the action of such gases; and my apparatus is made for the purpose of preventing the oxidation of metal by the gases arising from urine, as distinguished from an oxidation arising from the liquid itself.

The object of my invention is to produce a urinal-shield which shall avoid these difficulties, and at the same time, being composed of the material of the basin itself, will be less noticeable, and will form a better finish.

I purpose to make these shields or covers of

porcelain or earthenware, corresponding to the material of the basin itself. Shields made in this way are very readily cleaned if they should become at all foul, and are not liable to the effects of oxidation and deterioration of their surface which I have previously mentioned. They are also cheaper than the metal shields, and are very readily attached to the urinal-basin.

My invention will be clearly understood from the accompanying drawings, in which—

Figure 1 represents a perspective elevation of my basin with the shields attached; Fig. 2, a central vertical cross-section of the same.

A represents the basin, which may be of porcelain or similar material. B and B' represent the shields. C and D represent the water-pipe and drain-pipe attached to the nipples E and F, to which they may be attached by means of the ordinary putty-joint. H represents the drain-holes at the bottom of the basin.

By means of these contrivances the connecting-joints are entirely concealed by the shields, which are readily accessible and removable, and which may be easily cleansed.

The shields may be attached to the basin by some cement, preferably plaster-of-paris. I arrange them also to be screwed to the wall by screws screwed therein, so as to bring them into close contact with the top and bottom of the basin. By attaching them with screws in this way they are readily removed.

What I claim as my invention, and desire to secure by Letters Patent, is—

As a new article of manufacture, a urinal-shield made of porcelain, as distinguished from one made of metal, whereby greater economy, purity, and cleanliness are obtained, substantially as described.

FRED. ADEE.

Witnesses:

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