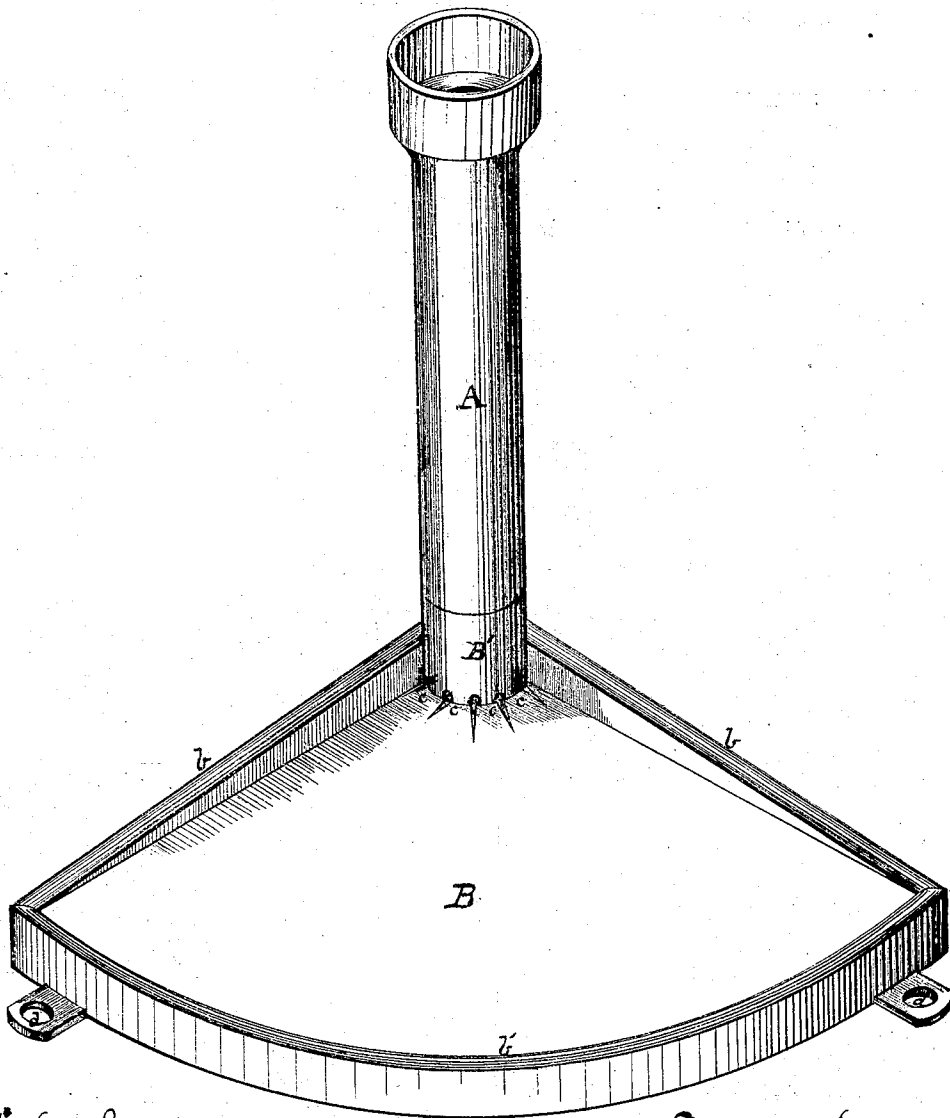


M. L. LAWRENCE.

Urinal-Pan and Pipe.

No. 127,614.

Patented June 4, 1872.



Witnesses:

Thos Kern
R. Wrenshaw

Inventor:

Marquis L. Lawrence,
by Bakewell Johnston,
his Attys.

UNITED STATES PATENT OFFICE.

MARQUIS L. LAWRENCE, OF PITTSBURG, PENNSYLVANIA.

IMPROVEMENT IN URINAL PANS AND PIPES.

Specification forming part of Letters Patent No. 127,614, dated June 4, 1872.

SPECIFICATION.

To all whom it may concern:

Be it known that I, MARQUIS L. LAWRENCE, of the city of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Urinal-Pan; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing making a part of this specification, which represents a perspective view thereof.

The pans commonly employed in connection with urinals are usually made of metal, or of wood lined with zinc or other metal, and the pipe leading from the basin, through the pan and floor to the waste, is usually of metal. The metal thus used corrodes rapidly, is difficult to keep clean, and, after corrosion commences, cannot be made to look or appear clean. Such pans and pipes are commonly offensive both to sight and smell. To obviate these objections I have devised a urinal pan and pipe, made of porcelain-clay (kaolin) or other suitable infusible or refractory clay.

To enable others skilled in the art to make and use my improvement, I will proceed to describe its construction and manner of use.

For material, I use kaolin or other suitable clay, with or without other ingredients—such as are used in the manufacture of earthen, stone, china, or porcelain ware—prepare it in any of the ways known to the art, mold it to the form desired, and bake and glaze it as done in any of the known processes. The pan B is made to fit the place where it is to be used—that is, with one or more sides, *b b*, to set against the wall of the room. The upper face of the pan B slopes or inclines from the outer edge *b'* to-

ward that part through which the waste-pipe passes, so that all offensive matter which may fall onto the pan B shall naturally run to the lowest point of the pan, pass through the apertures *c c*, or otherwise, into the waste-pipe, and so run off. The better to secure this I make along with the pan B, and as a part thereof, a pipe-thimble, *B'*, into the upper end of which the lower end of the pipe A is placed, which pipe is also made of clay, as above set forth. The discharge-pipe of the basin is slipped inside the upper end of the pipe A. Thus all leakage is prevented. For use in railroad-car saloons I leave a little space between the joints of the pipes, in which I insert an India-rubber or other flexible elastic packing, so as to avoid danger of breakage. The pan B is secured to the floor by screws passing through the screw-holes *d*, or in other suitable way.

The pan and pipe thus made are non-corrosive, are easily kept clean, and when clean are neat in appearance. Everything offensive to sight and smell can be washed off in a moment's time with a cup of water or a sponge.

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

The molded floor-pan B having a sloping upper face, the incline of which face centers at a thimble, *B'*, which latter is made as a part of the pan, the two communicating by apertures *c*, substantially as described.

In testimony whereof I, the said MARQUIS L. LAWRENCE, have hereunto set my hand.

MARQUIS L. LAWRENCE.

Witnesses:

A. S. NICHOLSON,
G. H. CHRISTY.