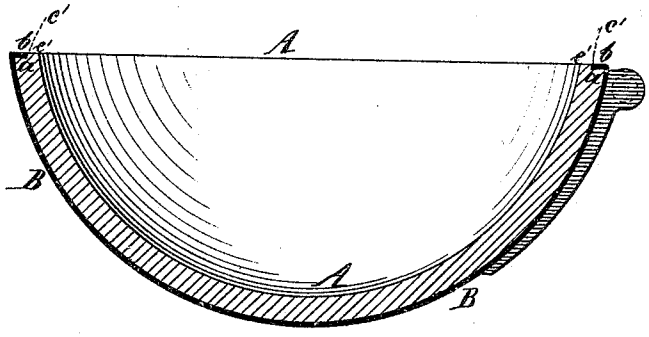
E. A. LELAND.

WATER-CLOSET PAN.

No. 172,571. Patented Jan. 25, 1876.



Witnesses:
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UNITED STATES PATENT OFFICE.

EDWIN A. LELAND, OF NEW YORK, ASSIGNOR TO LEONARD RICHARDSON, OF BROOKLYN, N. Y.

IMPROVEMENT IN WATER-CLOSET PANS.

Specification forming part of Letters Patent No. **172,571**, dated January 25, 1876; application filed September 2, 1875.

To all whom it may concern:

Be it known that I, EDWIN A. LELAND, formerly of Pittsfield, in the county of Berkshire and State of Massachusetts, but now of the city, county, and State of New York, have invented an Improvement in Water-Closet Pans, of which the following is a specification:

This invention relates to pans for water-closets, constructed with an inner portion of porcelain or earthenware and an outer portion or shell of sheet metal, the former insuring cleanliness, the latter strength and permanence. I have hitherto made such pans with the sheet metal lapped over and around the top or upper edge of the porcelain, but have found that, with this construction, the edge of the metal has formed a shoulder, upon or against which filth and impurities are liable to accumulate, thereby causing noisome vapors and exhalations, which it is desirable to avoid.

The object of my present improvement is to obviate this, thus far, remaining drawback to the perfectly successful use of the pans aforesaid.

The invention consists in an inwardly-turned lip formed on the upper edge of the sheet-metal shell, in combination with a circumferential rabbet provided in the top or upper edge of the porcelain portion of the pan, whereby the shell is firmly affixed to the porcelain, with its upper or top surface flush with the contiguous and corresponding surface of the porcelain, thereby effectually securing the result desired.

A is the inner portion of the pan, formed of porcelain or glazed earthenware, of the general contour usually given to water-closet pans, but formed with a circumferential rabbet, *a*, in its upper edge. B is the external metallic shell, made of copper or other suitable sheet metal. In the manufacture of the pan this shell is spun or otherwise brought to a shape corresponding to the exterior of the porcelain part A. It is then placed upon the latter, fitting it snugly, and is then arranged in any suitable lathe or other apparatus, and its edge is spun or turned inward and downward snugly into the rabbet *a*, the edge tip *b* thus formed of the sheet metal being brought snug against the shoulder *c'*, provided to the rabbet *a*, and flush with the adjacent surface *e'* of the top or upper edge of the porcelain A, as represented in the drawing, all lodgment or deposition of impurities at the turned edge of the sheet-metal shell B being by this means effectually provided against.

What I claim as my invention is—

In a water-closet pan, the combination of the inwardly-turned lip *b* with the circumferential rabbet *a*, formed in the upper edge of the inner porcelain portion A of the pan, substantially as and for the purpose set forth.

EDWIN A. LELAND.

Witnesses:
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