

B. MORAHAN.
Stationary Wash-Tubs.

No. 139,684.

Patented June 10, 1873.

Fig. 1,

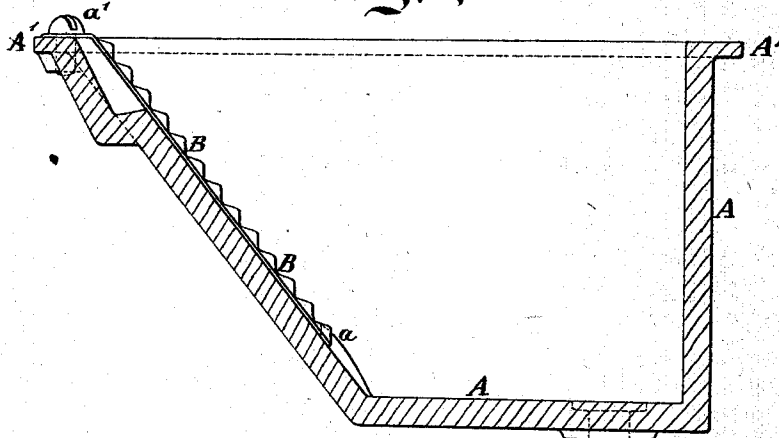


Fig. 2,

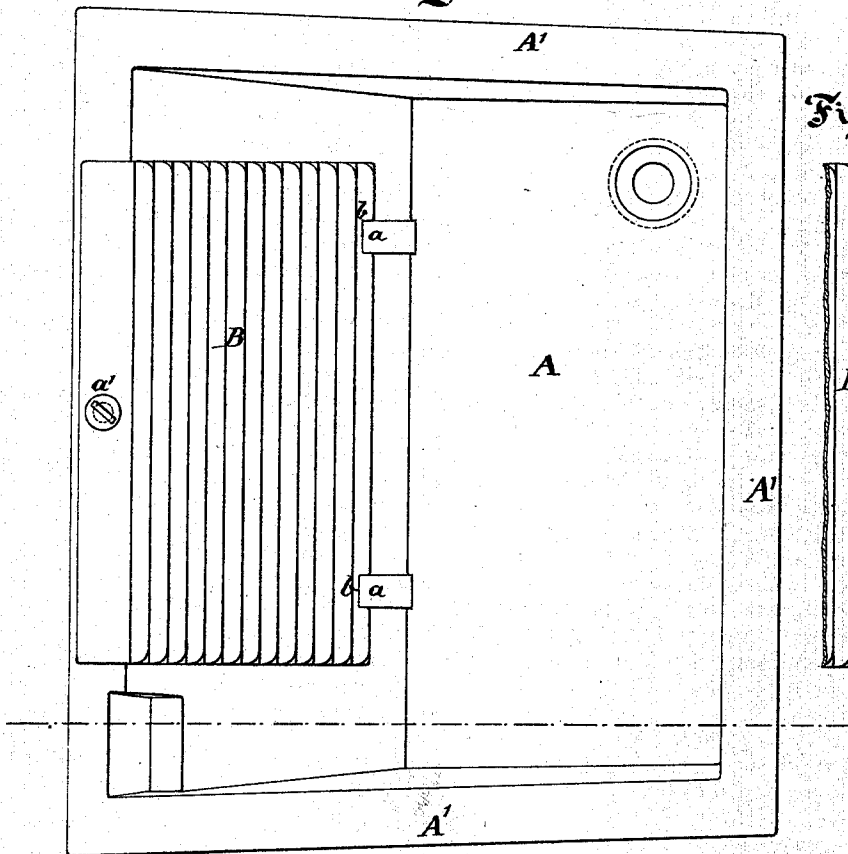
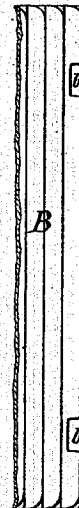


Fig. 3,



Witnesses,
C. C. Livingston
A. Hoermann.

Inventor,
B. Morahan
by his atty, J. J. Stetson

UNITED STATES PATENT OFFICE.

BERNARD MORAHAN, OF BROOKLYN, ASSIGNOR TO HIMSELF, FRANK TEFFT,
AND GEORGE G. KELLOGG, OF NEW YORK, N. Y.

IMPROVEMENT IN STATIONARY WASH-TUBS.

Specification forming part of Letters Patent No. **139,684**, dated June 10, 1873; application filed
November 8, 1870.

To all whom it may concern:

Be it known that I, BERNARD MORAHAN, of Brooklyn, in the county of Kings and the State of New York, have invented certain new and useful Improvements in Stationary Wash-Tubs; and I do hereby declare that the following is a full and exact description thereof.

I make a tub entirely of metal, and provide it with facilities for the work which have not before been practicable. I prefer that the entire tub shall have about the form and proportions represented in my patent for a wash-tub of crockery or other ceramic ware, issued in August, 1869.

I will proceed to describe what I consider the best means of carrying out my invention. The accompanying drawings form a part of this specification.

Figure 1 is a cross-section of my improved tub on the dotted line S S in Fig. 2. Fig. 2 is a plan view of the same, and Fig. 3 is a face view of a portion of the wash-board detached, showing the notches which receive the hooks so as to hold the board more firmly against rattling or lateral movements.

Similar letters of reference indicate like parts in all the figures.

A is a body of cast-iron, made in a single piece, and as thin and light as is consistent with strength, and thoroughly galvanized. It is flanged at the upper edge of the back and sides, as indicated by A', and at its front edge is a corresponding flange or extension of the metal, which may be rounded so as to depend or hang and offer a smooth support for the operator, who may at times lean upon it. On the inner side of the front of the tub is a corrugated washing-surface, B, as represented,

performing the function of a wash-board. This washing-surface, which I will term a wash-board, can be removed and exchanged at will.

I propose to try iron very smoothly coated with nickel plating, the same being made separate from the wash-tub, and adapted, as represented, to be slid into and confined by the slight hooks or cleats *a* arranged, as represented, upon the inner front face of the tub, near the bottom. I cast the hooks *a* with their upper faces nearly or quite parallel to the back of the tub, and, after the properly adapted wash-board is fitted therein, secure the upper edge of the wash-board with one or more brass or other suitable screws, *a'*. I provide recesses at the lower edge of the wash-board, as shown by *b*, into which hooks *a* are received, when hooks are employed, so as to firmly retain the wash-board B against any side motion or rattling.

I am aware that iron cases have been before proposed for washing purposes, but such have not been equipped as mine, or capable of applying in the same manner as fixtures in a building.

I claim as my invention—

The removable wash-board B in combination with a stationary wash-tub, and with cleats *a* or their equivalents for sustaining the same firmly and allowing it to be introduced and replaced, as herein specified.

In testimony whereof I have hereunto set my name in presence of two subscribing witnesses.

BERNARD MORAHAN.

Witnesses:

THOMAS D. STETSON,
C. C. LIVINGS.