(No Model.)

C. WESELY.

CEMENT WASH TUB.

No. 384,814. Patented June 19, 1888.

Fig. 1.

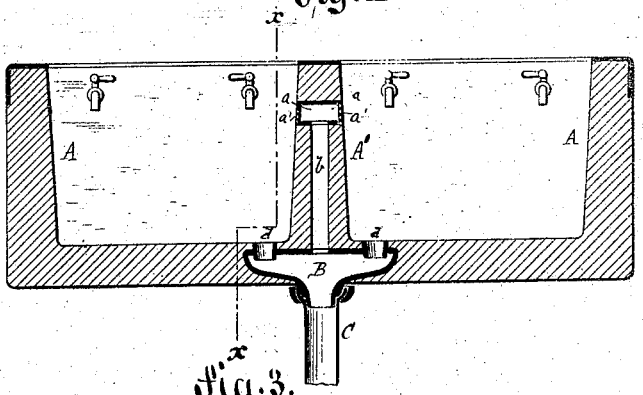


Fig. 2.

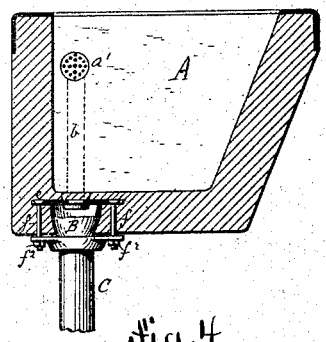


Fig. 3.

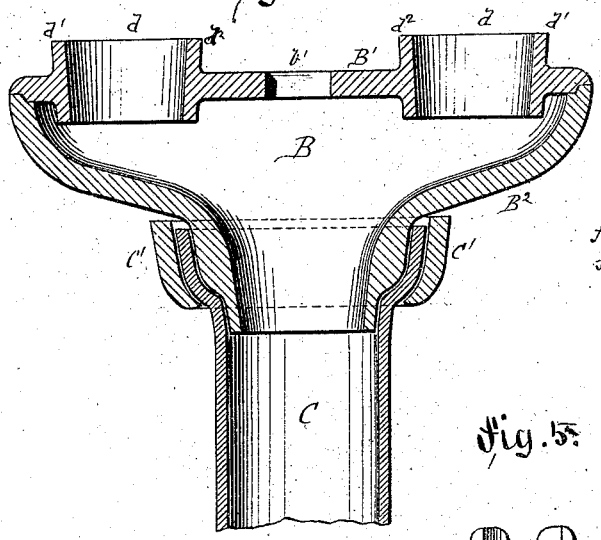


Fig. 4.

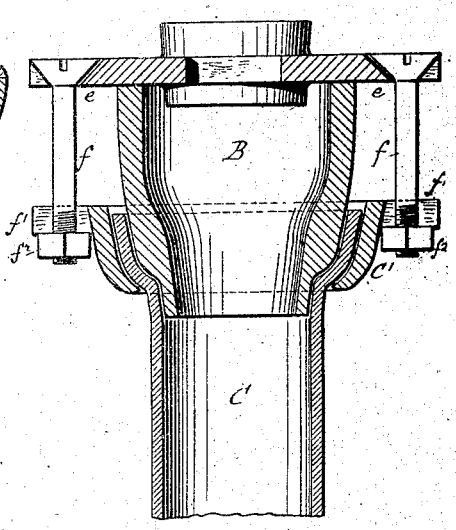
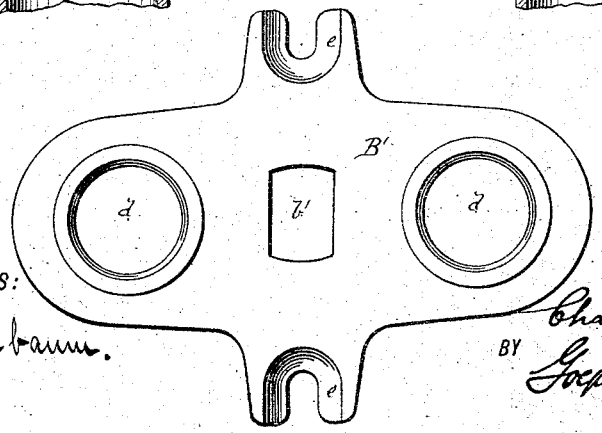


Fig. 5.



WITNESSES:

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CHARLES WESELY, OF WEST NEW YORK, NEW JERSEY.

CEMENT WASH-TUB.

SPECIFICATION forming part of Letters Patent No. 384,814, dated June 19, 1888.

Application filed March 17, 1888. Serial No. 267,472. (No model.)

To all whom it may concern:

Be it known that I, CHARLES WESELY, of West New York, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Cement Wash-Tubs, of which the following is a specification.

This invention relates to certain improvements in the manufacture of wash-tubs made from cement, whereby the manufacture of the same is simplified and rendered cheaper; and the invention consists, first, in the combination, with the partition-wall and bottom of a wash-tub, of a waste-pipe for draining both sections of the tub, said waste-pipe having an enlarged head provided with openings and flanges set in the bottom of the tub flush with the bottom surface of the same, and the outer end of the pipe being provided with means for attaching the drain-pipe.

The invention consists, secondly, of the combination, with the partition-wall of the wash-tub provided with overflow-openings, of a vertical channel in said wall, a waste-pipe having an enlarged head, and openings in said head communicating with said channel and with the sections of the tub, so as to drain off the overflow as well as the contents of the sections of the wash-tub.

The invention consists, further, in the construction of the enlarged head for the waste-pipe and its connection with the same, as will be described more fully hereinafter, and finally pointed out in the claims.

In the accompanying drawings, Figure 1 represents a vertical longitudinal section of my improved cement wash-tub. Fig. 2 is a vertical transverse section of the same on line *x x*, Fig. 1, with a portion of the head of the waste-pipe broken away. Figs. 3 and 4 are a vertical longitudinal section and a vertical transverse section, drawn on a larger scale, of the enlarged head of the waste-pipe, which is set into the bottom of the tub and arranged so as to communicate with both sections of the same and with the overflow-channel arranged in the partition; and Fig. 5 is a top view of the enlarged head of the waste-pipe.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents a wash-tub which is made of cement and provided with protecting zinc plates at its edges, according to the patent heretofore granted to me, No. 327,209, dated September 29, 1885. The wash-tub A is divided by a partition, A′, into two sections, the partition being provided with the usual overflow-openings, *a*, one at each side, and strainers *a′* in the same, and with a vertical channel, *b*, which connects the overflow-openings *a* with the enlarged head B of the waste-pipe C. The channel *b* is formed by means of a core, which is inserted in the middle of the partition when casting the body of the wash-tub in cement. The enlarged head B of the waste-pipe C is made of two parts—a top part, B′, and a bottom part, B². The top part, B′, is provided with a central opening, *b′*, that corresponds in size with the channel *b* and registers therewith, and with waste-openings *d d*, provided with flanges *d′ d²* at both sides, which form seats for receiving the plugs by which the wash-tub is closed. The bottom part, B², of the head B is enlarged at the upper part and provided with a seat for the top plate, B′, and contracted at the lower part to the diameter of the waste-pipe C. The top plate, B′, is provided at both sides intermediately between the waste-openings *d d* with recessed side ears, *e e*, which serve to receive the heads of the screw-bolts *f f*, the lower ends of which engage recessed side ears, *f′*, of a sleeve or collar, C′, that serves to establish the rigid connection between the lower end of the bottom part, B², and the waste-pipe C, as shown in Figs. 2 and 4.

In casting the wash-tub the strainers *a′*, as well as the enlarged head B of the waste-pipe C, are placed in their proper position in the mold, the screws being also placed in position in the ears of the top plate. The cement is then cast around the strainers and enlarged head so as to be flush with the edges of the plug-seats, which are kept closed by wooden plugs during the casting operation. The channel *b* in the partition of the tub is formed by inserting a wooden core, which connects the strainers with the central opening of the head B, and removing the core when the cement has set sufficiently to retain its shape, but is

not hard enough to resist the withdrawing of the core. The cement is also cast around the screw-bolts *f f*, so that the latter are rigidly held in position and project below the bottom of the tub, as shown in Fig. 2, so as to be ready to receive the connecting sleeve or collar C and the screw-nuts f^2 in attaching the waste-pipe.

The wash-tub has the advantage that the enlarged head of the waste-pipe serves for draining both sections of the partitioned wash-tub, as well as for the overflow of the same, whereby the manufacture of cement wash-tubs is considerably simplified and facilitated.

Another advantage of my improved wash-tub is that the work of the plumber is rendered much cheaper, inasmuch as only one waste-pipe for both wash-tubs and the overflow is required, and as the connection with the waste-pipe is quickly and easily established by first detaching the sleeve or collar by unscrewing the nuts, applying the widened end of the waste-pipe to the lower contracted end of the head B, placing the collar in position around the end of the waste-pipe, and applying the screw-nuts tightly to the lower ends of the embedded screw-bolts and the head B, as shown in Figs. 2 and 4.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination, with a cement wash-tub having a partition, of a channel having overflow-openings and strainers in the partition, and an enlarged head for the waste-pipe set into the bottom of the same, and provided with a drain-opening and a plug-seat at each side of the partition, and with an intermediate opening communicating with the overflow-channel into the partition, substantially as set forth.

2. A head for the waste-pipes of wash-tubs, composed of a top plate having drain-openings and plug-seats, an overflow-opening between said plug-seats, and a bottom part enlarged at the upper and contracted at the lower end, substantially as set forth.

3. The combination of the enlarged head for the waste-pipe of a cement wash-tub, said head consisting of a top plate provided with drain-openings, plug-seats, an overflow-opening between said plug-seats, and recessed ears at both sides, and a bottom part having a contracted lower end, with a detachable collar or sleeve having recessed side ears, and screw-nuts for connecting the ears, the top plate, and collar, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

CHARLES WESELY.

Witnesses:
PAUL GOEPEL,
JOHN A. STRALEY.