

(No Model.)

F. S. MADSEN.
SINK AND WASHTUB.

No. 544,105.

Patented Aug. 6, 1895.

Fig: 1.

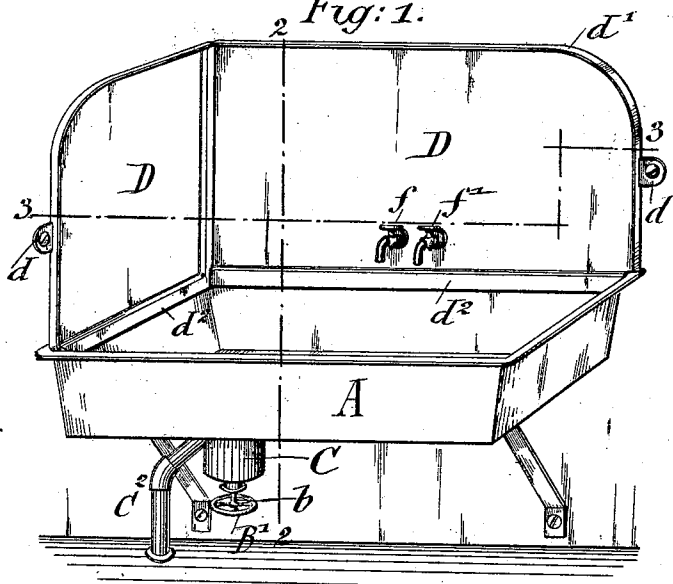


Fig: 2.

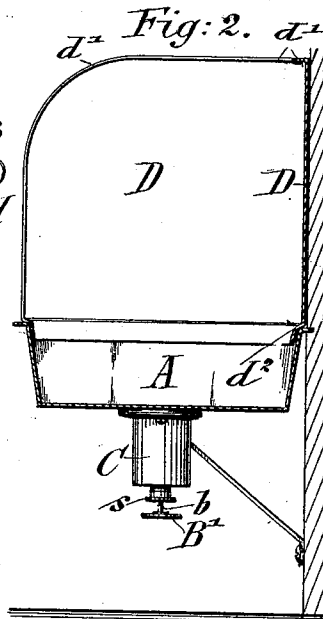


Fig: 3.

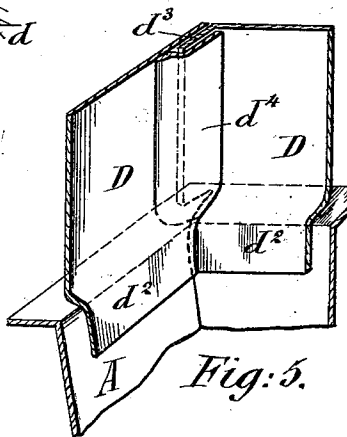
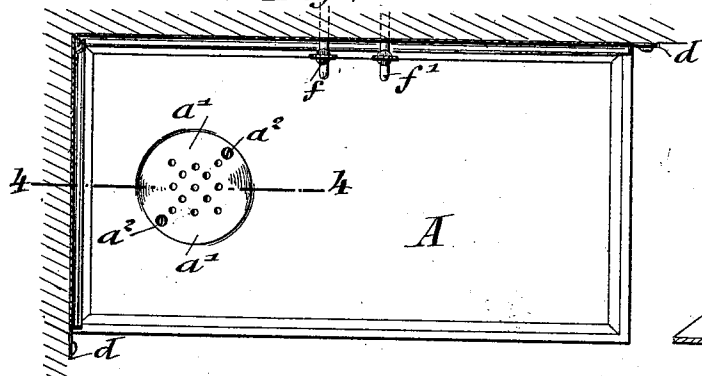
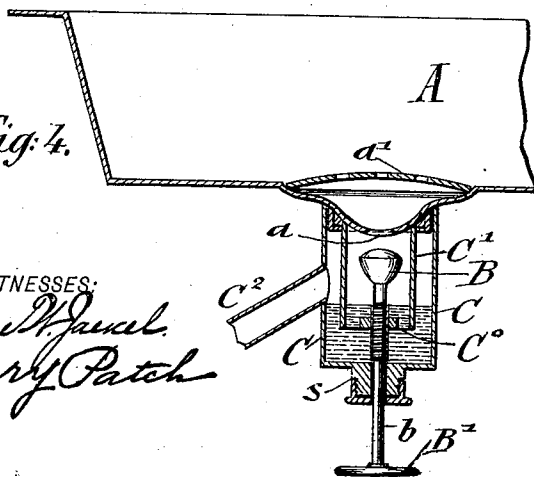


Fig: 4.



WITNESSES:

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SINK AND WASHTUB.

SPECIFICATION forming part of Letters Patent No. 544,105, dated August 6, 1895.

Application filed March 11, 1895. Serial No. 541,368. (No model.)

To all whom it may concern:

Be it known that I, FREDERIK S. MADSEN, a citizen of the Kingdom of Denmark, residing at Jersey City, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Combination Sinks and Washtubs, of which the following is a specification.

This invention relates to an improved sink and washtub which is intended for use in apartment and tenement houses and wherever it is desired to dispense with special washtubs and render the sink available for this purpose, so as to save not only the space required for washtubs, but also the expense of plumbing connected with the same; and the invention consists of a combination sink and washtub which comprises a sink of abnormal depth, an opening in the sink provided with a perforated covering or strainer, a trap below said opening, and a valve adapted to close the outlet-opening whenever the sink is desired to be used as a washtub, so that the water is retained in the sink for washing purposes.

In the accompanying drawings, Figure 1 is a perspective view of my improved combination sink and washtub. Fig. 2 is a vertical section on line 2 2, Fig. 1. Fig. 3 is a plan view of the same, partly in horizontal section, on line 3 3, Fig. 1. Fig. 4 is a detail vertical section on line 4 4, Fig. 3, through the trap arranged below the sink; and Fig. 5 is a perspective view of one corner of the sink, showing the connection of the splash-boards with the same.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents a sink, which is preferably made of enameled cast or sheet metal. The depth of the sink is greater than the depth of the usual sinks, so that it can be also used as a washtub. When desired for this purpose, it is necessary to provide the outlet-opening *a* of the sink with a valve by which the same can be closed. This valve can be arranged in any desired manner, but preferably in connection with a sewer-trap by which the sewer-gases are prevented from returning through the outlet-opening to the sink. In the drawings I have shown a sewer-trap which consists of an exterior cylindrical

body C and an interior cylinder C' that is open at the lower end. The exterior body is connected with a waste-pipe C², through which the waste-water is conducted off. The interior cylinder extends below the waste-pipe C², so as to form a hydraulic seal at the lower part of the trap, as shown in Fig. 4. The spindle *b* of the valve B passes through a stuffing-box *s* at the lower end of the exterior cylinder C and through a screw-threaded center piece C⁰ for the inner cylinder C', in which the spindle of the valve can be raised or lowered by turning the same by means of a handle-wheel B' at its lower end. The valve B can thereby be moved up against the outlet-opening *a* so as to close it, or below the same so as to permit the free flowing off of the water in the sink. A perforated strainer *a'* extends over the outlet-opening *a*, which strainer is held by means of screws *a*² and only removed when it is desired to clean or repair the sewer-trap and valve.

When the sink is used for the ordinary purposes of washing dishes, &c., the valve B is in its open lowered position, so that the water can freely pass off through the trap and waste-pipe C² to the sewer. When the sink is to be used as a washtub, the valve is raised by turning its spindle until it closes the outlet-opening *a*. No water can then escape and the sink can be used as a washtub, it being readily changed when desired by means of the valve back again to its use as a sink to let the water run off. When the sink is thus used for the purposes of a sink and washtub, it is necessary to provide the same with splash-boards at its rear part, especially when the same is arranged in a corner, as shown in Fig. 1.

The splash board or boards D are preferably made of enameled sheet metal, which are secured to the wall by means of lugs *d* made integral with the same, and which are each provided at its outer edge with a raised rim *d'*, while the lower edge of the splash-board is bent up, so as to form a flange *d*² that overlaps the upper edge of the sink, as shown clearly in Figs. 1, 2, and 5.

When two splash-boards are used at right angles to each other, as when the sink is located at the corner of the kitchen or other room, one splash-board is provided at the edge

with a bent-up flange d^3 , which enters into a groove formed between the adjacent splash-board and a strip d^4 applied parallel to the edge of the same, so that thereby a joint between the two splash-boards is obtained that can be made waterproof by properly cementing the joint. The main splash-board D is provided with openings for the faucets ff' , through which the hot and cold water is supplied, as shown in Fig. 1.

The enameled splash-boards impart a clean and neat appearance to the sink and protect the wall against the splashing of the water.

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

A combined sink and wash-tub, provided

with an outlet-opening, a sewer-trap below said outlet-opening formed of an exterior cylinder and an interior cylinder open at its lower end, a waste-pipe connected with the exterior cylinder above the lower end of the interior cylinder, a valve passing through said trap and adapted for opening and closing the outlet-opening, and a strainer extending over the outlet-opening, 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.

FREDERIK S. MADSEN.

Witnesses:

PAUL GOEPEL,
S. E. SMITH.