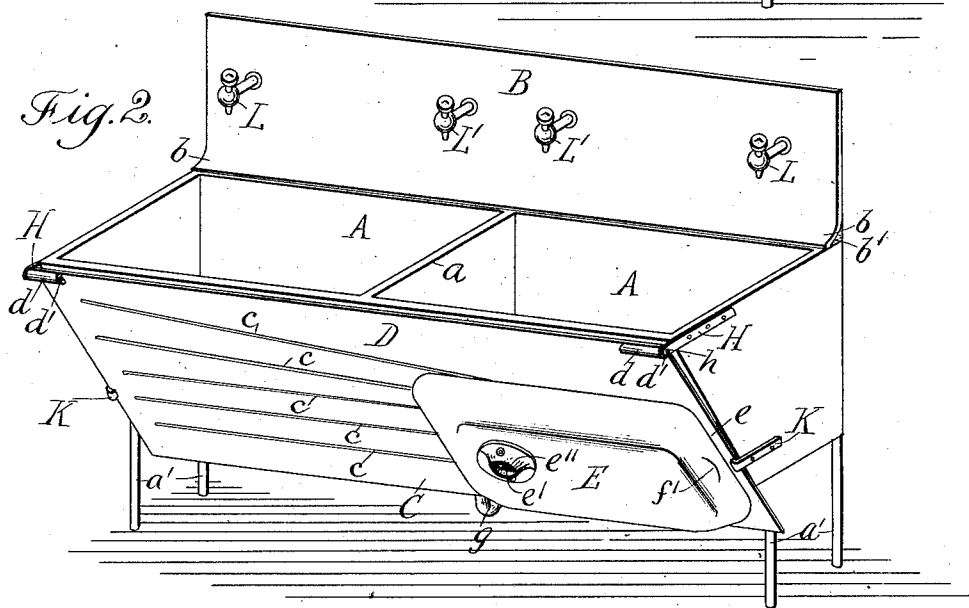
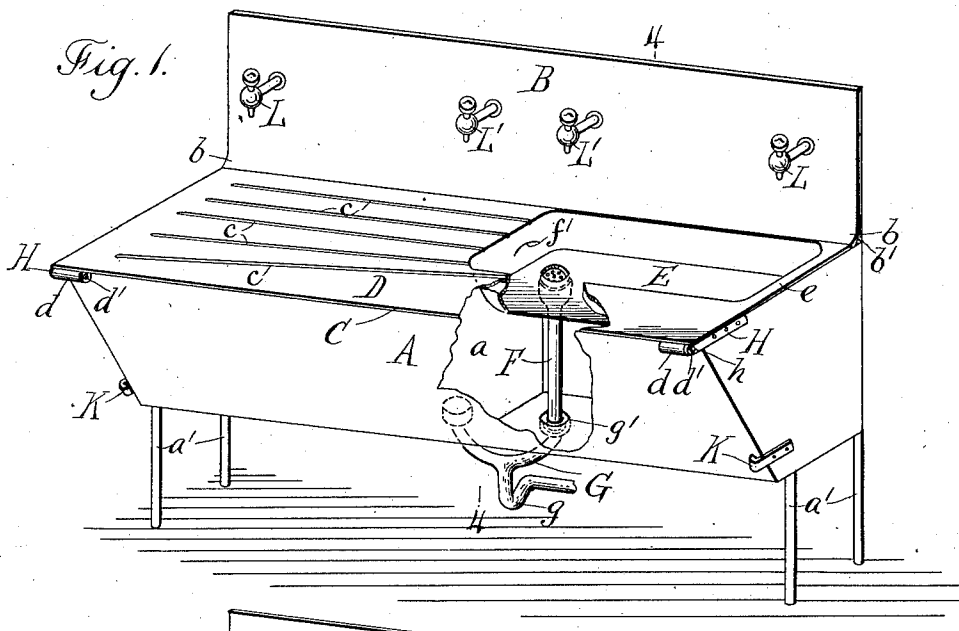


H. A. FREDENHAGEN.
 COMBINED WASHTUB, SINK, AND DRAIN BOARD COVER.
 APPLICATION FILED NOV. 7, 1908.

964,857.

Patented July 19, 1910.



Inventor

Witnesses
 W. E. Allen
 S. T. Bradhears

By

Harry A. Fredenhagen
 E. P. Clark

Attorney

UNITED STATES PATENT OFFICE.

HARRY A. FREDENHAGEN, OF CHICAGO, ILLINOIS.

COMBINED WASHTUB, SINK, AND DRAIN-BOARD COVER.

964,857.

Specification of Letters Patent.

Patented July 19, 1910.

Application filed November 7, 1908. Serial No. 461,531.

To all whom it may concern:

Be it known that I, HARRY A. FREDENHAGEN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Combined Washtubs, Sinks, and Drain-Board Covers, of which the following is a specification.

This invention relates to a combined wash-tub, sink and drain-board cover arranged to be conveniently transformed from one use to another.

The object of my invention is to provide for economizing space by uniting in a single structure a wash-tub and a cover for the same composed of a sink portion and a drain-board portion in a single piece, adapted to be supported and used as a sink and drain-board or to be swung forward and downward for exposing the tubs for laundry purposes.

Another object is to provide a splash-board which shall direct all water splashed from the sink or tub back into those receptacles.

Another object is to provide a perfectly sanitary construction, which may be readily kept clean and sweet, and without possibility of insects or dirt being secreted in cracks or joints about the apparatus.

The parts and combination of parts constituting my invention will be defined in the claims.

I will now describe the details of construction of my combined wash-tub, sink and drain-board cover by reference to the accompanying drawings, in which—

Figure 1 represents a perspective view with the cover and sink closed, in position for use. Fig. 2 represents a perspective view, showing the cover and sink swung forward, leaving the tubs free for use.

The tub A, having the usual transverse partition *a* and legs *a'*, may be made of concrete, soap-stone, cast iron or pressed steel, and may be enameled in a well known manner. It will be made straight and flat at the back and preferably set into the wall so as to leave no cracks or space between it and the wall, thereby excluding insects and dirt. Directly above the tub is placed a splash-board B which may be made of cast iron or pressed steel and enameled and provided at its lower edge with a concave or

curved projecting portion *b*, Fig. 2. This portion projects from the back over the tub, and if made of sheet metal the space back of the curved portion *b* is filled in with cement or plaster *b'* so as to completely close the space and make a tight construction. The front of the tub is inclined from the upper edge downward, in the usual manner, providing ample space for receiving the cover and sink when turned over and downward as shown in Fig. 2. These parts are preferably turned forward and downward so as to leave the water faucets L and L' exposed for delivery into the tub. With this construction and arrangement, two sets of faucets located generally above the two compartments, serve for delivering hot and cold water both to the sink and the two compartments of the tub.

The combined cover and sink C is preferably made of pressed steel, all in one piece of sheet metal, and is composed of the drain-board portion D and the sink portion E, the sink being preferably at one end and having an end flange *e* covering the end of the tub. If the cover is made wider than the sink, then the sink will preferably be placed toward the back edge, leaving the flat portion of the cover at the front. The drain-board portion D of the cover is made with grooves *e* for directing water into the sink. The sink and drain-board being in one piece of sheet metal can be conveniently and quickly handled to close or open the tub. Such construction, moreover, is more sanitary and cleanly than where the parts are made separate, since no cracks or joints are left in which insects and dirt may lodge. All corners are rounded and can be readily kept clean.

The sink E is provided at the bottom and near one end with a strainer *e'* and at its under side with a surrounding and downwardly projecting collar or sleeve *e''* for engaging with a drain pipe. A detachable drain pipe F, having an upper bell or funnel *f* is provided for engaging with said collar *e''* and connecting at its lower end with the waste pipe G. This waste pipe is set into an opening *g'* in the bottom of the tub and is provided with the usual trap *g*. As shown in Fig. 1, this waste pipe is made with twin fittings connecting with the tub on opposite sides of the partition *a* and with the single

trap *g*. When the tub is to be drained, pipe *F* may be removed from the waste pipe *G*, or pipe *F* may be removed when the tubs are in use and the openings into the waste pipe closed by the usual stopper.

The cover *D* is provided at the under side of its front corners with lugs *d* having pivotal pins or studs *d'*. To the ends of the tub and at the upper front corners of the same are secured forwardly projecting straps *H*, having eyes *h* in their projecting ends, into which are inserted the pivotal pins *d'*. The cover is thus hinged or pivotally connected at the front upper edge of the tub and may be swung forward and downward, when the tub is to be used for laundry purposes. The cover and sink will be engaged and held in an inclined position by spring catches *K* secured to the ends of the tub. With the cover and sink locked in this position access is readily given to the tub without obstructing the water faucets *L*, *L'*.

The inwardly curved lower edge *b* of the faucets *L'* are inserted through the drain board at a sufficient height above the tub to permit the cover and sink to be swung past them when it is desired to bring the tub into use. One set of faucets thus serves for supplying hot and cold water to the sink and the compartment of the tub with which it is associated. The sink is preferably provided with a handhold projection *f'* for use in raising the cover.

The inwardly curved lower edge *b* of the splash board will direct any water which may lodge upon the splash board into the tub. Since the cover and sink are hinged at the front edge, no joint or crack is left at the splash board and the parts thus exposed may be readily kept clean.

The tub and splash board being placed tight against the wall prevent insects and dust from accumulating as is the case in the usual construction of wash-tubs and sinks. The drain pipe of the sink being removable will provide for perfect cleanliness, since the parts may be readily cleaned after being disjointed. It will thus be seen that the whole device is the most sanitary construction.

The forward edge of the cover extends over or covers the top edge of the front wall of the tub, when the cover is in its horizontal position, and preferably extends somewhat forward of said top edge, so that the latter is concealed and a neat appearance is given to the parts when the sink is in use. Moreover, the pivotal connection of the cover with the tub is so arranged that the pivotal axis on which the cover swings is forward of the front wall of the tub and below the level of the top edge of said front wall. By this location of the pivotal axis the forward margin of the cover, when the said cover is swung to its downward or folded position,

is brought into a position flush with or below the front upper edge of the tub, and at the same time the cover is brought closely adjacent to the front face of the tub. The forward edge of the cover, when the latter is not in use, is therefore entirely out of the way of a person using the tub. A special advantage is gained by placing the sink near the rear edge of the cover, leaving a flat portion of the cover at the front of the sink, as this construction brings the sink, when the same is folded against the inclined front wall of the tub, mainly or entirely at the rear of a vertical plane passing through the top edge of said front wall, and therefore entirely out of the way of a person standing in front of and using the tub.

Having described my invention, what I claim, and desire to secure by Letters Patent, is:—

1. The combination with a washtub provided with a downwardly and rearwardly inclined front wall, of a cover embracing a sink and adapted to rest normally on the top margin of the tub with the sink depending inside of said tub, said cover being pivotally connected at its front margin with the front portion of the tub by pivotal connection permitting said cover to be swung into a downwardly and rearwardly inclined position in front of the tub and below the top of the same and with the top surface of said cover facing toward the tub and the bottom of the sink facing outwardly.

2. The combination with a washtub, of a cover embracing a sink and adapted to rest normally on the top margin of the tub with the sink depending inside of the same, said cover being pivotally connected at its front margin with the front portion of the tub with its pivotal axis forward, and below the level, of the top edge of the front wall of the tub, by pivotal connection permitting said cover to be swung into a position in front of the tub and below the top of the same with the top surface of said cover facing toward the tub and the bottom of the sink facing outwardly.

3. The combination with a wash-tub having a downwardly and rearwardly inclined front wall, of a cover embracing a sink, said cover being connected at its front margin with the forward portion of the tub by a pivotal connection permitting said cover to be swung forwardly and downwardly into a downwardly and rearwardly inclined position in front of the tub and below the top of the same, and means for detachably securing said cover in its downwardly and rearwardly inclined position.

4. The combination with a fixed wash-tub provided with a downwardly and rearwardly inclined front wall, of a cover embracing a sink, said cover being connected at its front margin with the forward part of

the tub by a pivotal connection permitting said cover to be swung into a downwardly and rearwardly inclined position in front of the tub and below the top of the same, and a spring catch on the tub adapted to engage the said cover to hold the same in its downwardly and rearwardly inclined position.

5 5. The combination with a washtub, of an upright splash-board extending above the rear wall of the tub, and a cover embracing a sink and adapted to rest normally on the top margin of the tub with the sink depending inside of the same, said cover being connected at its forward margin with the forward part of the tub by pivotal connection permitting the cover to be swung into a depending position forward of the tub and below the top of the same, and with its top surface facing toward the tub and the bottom of the sink facing outwardly, said splash-board being provided with a forwardly projecting flange forming a ledge which meets the rear margin of the cover when said cover is in its normal position.

25 6. The combination with a fixed washtub, and an upright splash-board extending above the upper edge of the rear wall of the tub and provided with a forwardly extending ledge which extends over said rear wall, a cover embracing a sink having its rear wall adjacent to the rear edge of said cover and its front wall located at a distance rearwardly from the forward margin of the cover, the said cover being adapted to rest

at its margins on the upper edge of the tub with the sink depending therein and having its forward margin connected with the forward portion of the tub by pivotal connection permitting said cover to be swung into a downwardly and rearwardly inclined position in front of the tub with its top surface facing toward the tub and the bottom of the sink facing outwardly.

7. The combination with a washtub, of an upright splash-board extending above the rear wall of the tub, and a cover embracing a connected sink and drainboard, said cover being adapted to rest on the top margin of the tub with the sink depending therein and being connected at its forward margin with the front part of the tub by pivotal connection permitting the cover to be swung into a depending position in front of the tub and below the top of the same with its top surface facing toward the tub and the bottom of the sink facing outwardly, said splash-board being provided with a forwardly projecting flange forming a ledge which extends over the rear wall of the tub throughout the entire length of the tub and which meets the rear margin of the cover when the cover is in its closed position.

In testimony whereof I affix my signature in presence of two witnesses.

HARRY A. FREDENHAGEN.

Witnesses:

FLORELLA P. FREDENHAGEN,
J. M. PENNINGTON.