G. W. WILLIAMSON.

Wash Boiler.

No. 88,251. Patented March 23, 1869.

Fig. 2.

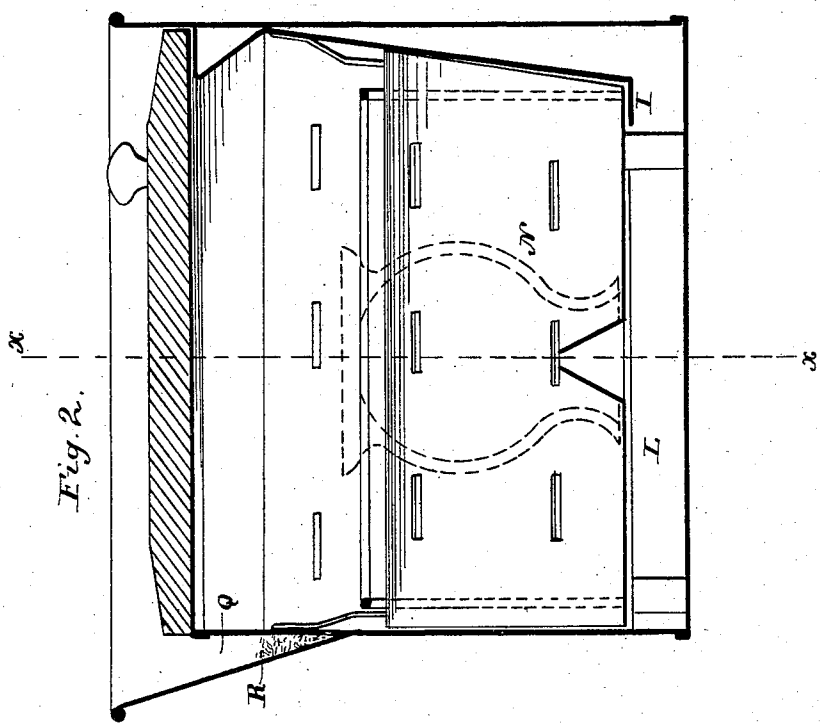
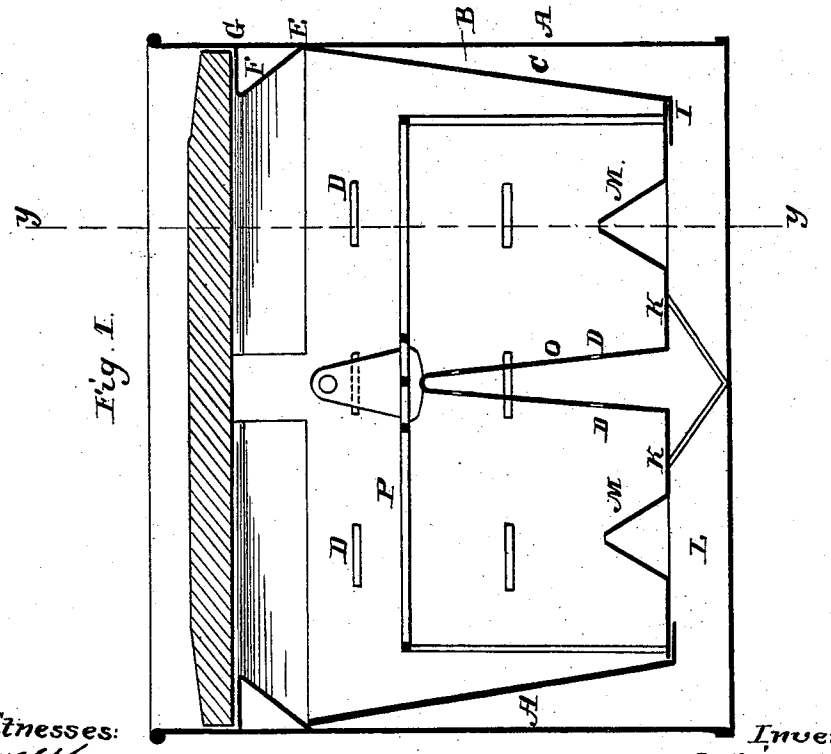


Fig. 1.



Witnesses:

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G. W. WILLIAMSON, OF GOULDSBOROUGH, PENNSYLVANIA.

Letters Patent No. 88,251, *dated March* 23, 1869.

IMPROVEMENT IN DISH AND CLOTHES-WASHERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, G. W. WILLIAMSON, of Gouldsborough, in the county of Luzerne, and State of Pennsylvania, have invented a new and useful Improvement in Dish and Clothes-Washer; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to improvements in washing-machines, designed to adapt them to be equally useful for washing dishes or clothes, and to be adapted to accomplish either operation in a more expeditious and better manner than those now in use.

Figure 1 represents a longitudinal sectional elevation of my improved apparatus, taken on the line *x x* of fig. 2, and

Figure 2 represents a transverse sectional elevation of the same, taken on the line *y y* of fig. 1.

Similar letters of reference indicate corresponding parts.

My invention belongs to that class of washing-machines wherein a current of water is produced from a chamber in the bottom, and caused to move upward, acting upon the articles to be washed, and retiring again to the bottom when it becomes cooled.

A represents the outer shell of the boiler, and

B, an inner perforated shell, for holding the clothes or other articles to be operated upon, and to form the spaces C, through which the heated water may rise and be delivered in jets through the perforations D.

The said shell B is represented in the drawings as inclining outwardly, and being secured to the outer shell at the point E, but it may with equally as good results rise vertically to the point F, and be bent at right angles, terminating in a junction with the shell A, and G forming the seat for the cover H.

The shell B is bent inward at I, forming a rest for the false bottom K, which, together with the said shell B, forms the receptacle of the articles to be washed, and also forms the upper wall of the heating-space L below.

Hitherto, these bottoms have been made plain. My invention consists in providing them with the hollow conical vertical projections M, perforated at the top for conducting jets of water through the said bottoms, for the better distribution of the water in washing clothes, and more especially for washing pitchers, goblets, and other dishes which may be placed over the said projections in an inverted position, as represented at N, in red, in a manner to greatly facilitate the washing of the interior of the same.

My invention consists in raising the angular elevation O of the said bottom transversely of the same, and providing it with the perforation D, whereby the said circulation of the water is further increased, and the apparatus more especially adapted for the reception of different articles of clothing; as, for instance, small articles may be placed in the spaces between the said elevation O and the side walls, until the said spaces are filled to the top, or near the top of the said elevation, when larger ones may be added; and for washing dishes, the nature of which is such that the water must be thrown upon them more in jets, and with more force than may suffice for clothes, this arrangement is found to be highly advantageous. For large washing-vessels for hotels, saloons, &c., they may be considerably lengthened in the direction represented in fig. 1, and any desired number of the elevations O and projections M may be introduced. It will be observed that the said bottom, K, is arranged to be readily removable.

My invention further consists in the combination, with the said bottom, K, of a rack, P, arranged to be readily put in and taken out, and designed for supporting dishes, and facilitating their arrangement to the best advantage for the application of the water.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent—

1. The bottom, K, provided with the hollow conical perforated projections M, and the angular elevations O, or either separately, and combined with the vessel A, substantially as and for the purpose specified.

2. In combination with the above, the rack P, constructed as described for the purpose specified.

The above specification of my invention signed by me, this 27th day of November, 1868.

G. W. WILLIAMSON.

Witnesses:

FRANK BLOCKLEY,

ALEX. F. ROBERTS.