

H. GOTTHARDT.

WASH-BOILER.

No. 190,029.

Patented April 24, 1877.

Fig. 1.

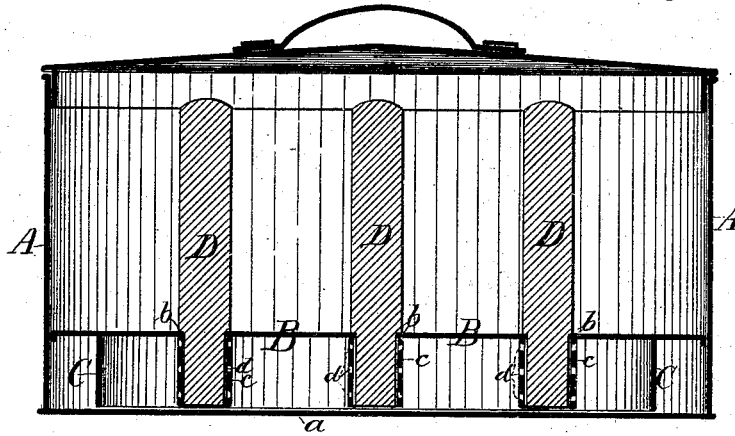
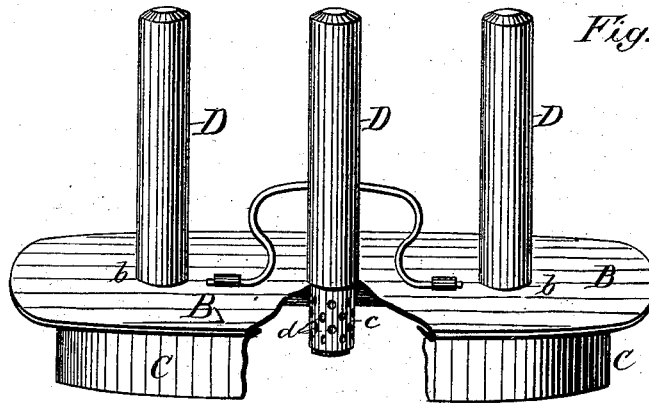


Fig. 2.



Attest:

*C. C. Court*  
*Prof. Brooks.*

Inventor:

*Henry Gotthardt,*  
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*Attys*

# UNITED STATES PATENT OFFICE

HENRY GOTTHARDT, OF LOUISVILLE, KENTUCKY.

## IMPROVEMENT IN WASH-BOILERS.

Specification forming part of Letters Patent No. **190,029**, dated April 24, 1877; application filed March 20, 1877.

*To all whom it may concern:*

Be it known that I, HENRY GOTTHARDT, of Louisville, in the county of Jefferson and State of Kentucky, have invented certain new and useful Improvements in Wash-Boilers; 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 which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification, and in which—

Figure 1 is a vertical section, and Fig. 2 is a perspective view, of my improved wash-boiler bottom detached, with portions broken away to show the construction.

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

This invention relates to certain improvements in detachable or false bottoms for wash-boilers; and it consists in the construction and combination of parts hereinafter more fully shown and described.

In the drawing, the letter A indicates the body of a wash-boiler, which may be of any suitable size or shape. B is the false bottom, which is made to fit closely in boiler A. The bottom B has a downwardly-projecting rim, C, which elevates it a suitable distance from the bottom *a* of the boiler A. It also has two, three, or more perforations, *b b*, provided with downwardly-projecting rims or flanges *c c*, which reach the bottom of the boiler. The flanges *c* have perforations *d*, through which the water may flow. D D are plugs, made of wood, metal, or other suitable material, which fit closely in the perforations *b*, and the perforated tubes forming the flanges *c*. They are made long enough to reach nearly or quite to the top of the boiler or kettle A.

In operation the false bottom is placed in the boiler A, as in Fig. 1, the plugs D being

inserted into the perforations *b*. Water and soap are now placed in the boiler in sufficient quantity to just cover the false bottom B, and the clothes that are to be washed are finally placed in the boiler, packing them closely around the staffs or plugs D. These (the plugs D) are now removed, thus leaving empty spaces or channels in the closely-packed clothing, just above the perforations *b*. When the water is brought to boil it will ascend through these channels, thoroughly percolating the clothing and loosening the dirt, which may afterward be removed by rinsing in cold or tepid water.

My improved wash-boiler bottom possesses the advantages of simplicity and durability. It may be easily applied or adapted to boilers or kettles of any construction or shape. It is easily handled, and is efficient in the performance of the functions for which it is intended.

I am aware of the patent to Mercier, reissued January 3, 1871, in view of which I do not, broadly, claim the combination of the wash-boiler bottom with the removable plugs D; but,

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The false bottom B, having downwardly-projecting rim or flange C and perforations *b b*, and provided with downwardly-projecting perforated flanges *c*, in combination with the detachable plugs or staffs D D, arranged to operate substantially in the manner and for the purpose herein shown and specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

HENRY GOTTHARDT.

Witnesses:

HENRY HECKMAN,  
GUS KAMMERER.