

MARIA C. HUBBARD.

Improvement in Wash Boilers.

No. 121,370.

Patented Nov. 28, 1871.

Fig. 1

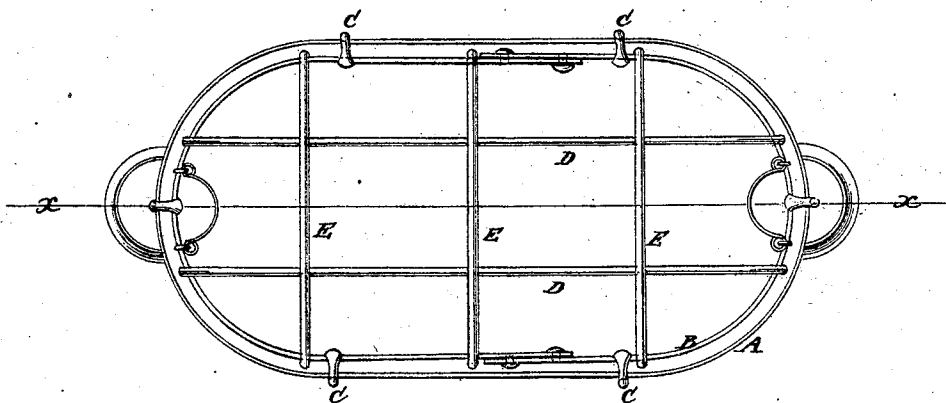
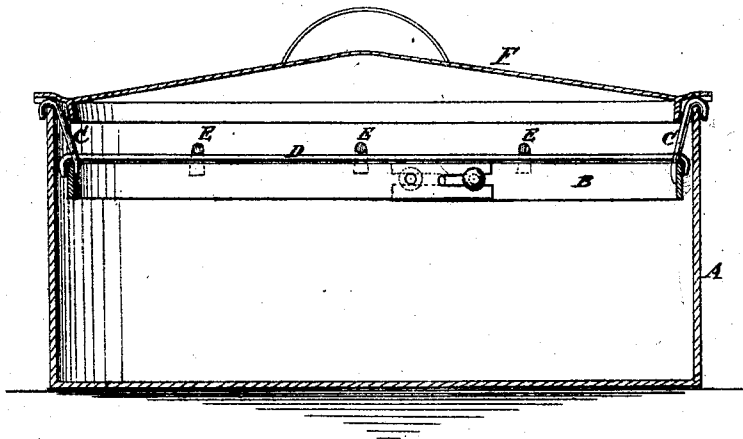


Fig. 2



Witnesses:

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MARIA C. HUBBARD, OF TROY, NEW YORK.

IMPROVEMENT IN WASH-BOILERS.

Specification forming part of Letters Patent No. 121,370, dated November 28, 1871.

To all whom it may concern:

Be it known that I, MARIA C. HUBBARD, of Troy, in the county of Rensselaer and State of New York, have invented certain new and useful Improvements in Clothes Steaming Apparatus; 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 drawing forming part of this specification.

This invention relates to the operation of cleansing clothes; and consists in a supporting-frame and in rods in combination with the ordinary wash-boiler, arranged as hereinafter described.

In the accompanying drawing, Figure 1 is a top view of a boiler provided with my steaming apparatus. Fig. 2 is a vertical longitudinal section of Fig. 1 taken on the line *x x*.

Similar letters of reference indicate corresponding parts.

A is the boiler, of the common oval or other form and of any size. B is a frame or hoop, which may be made adjustable so as to fit boilers of different sizes, which is suspended in the boiler by means of hooks C or supported in the boiler near the top in any other manner. It may be supported on a bead or projections in the boiler; but, to adapt it to boilers already made or in use, I prefer to support it by hooks, as represented. On the top of this frame, or near the top of the boiler, supported in any manner and kept in position in any manner, I place one or more longitudinal rods, D, and one or more transverse rods, E, as may be found necessary.

F is the cover of the boiler, which is made to fit as nearly steam-tight as convenient.

A small quantity of water is placed in the boiler and the clothes to be washed are soaped, hung upon the rods, and not allowed to touch the water. The cover F is placed on the boiler and the water is made to boil. The clothes will be exposed to the steam only. There will be a slight pressure of steam within the boiler owing to weight and friction, and the temperature of the steam will be, consequently, somewhat higher than that of the water. The water, which condenses on the clothes, will drip down by its own gravity. The action of the steam upon the clothes very speedily removes the dirt and thoroughly cleanses the clothes, no rubbing being necessary.

The time required for cleansing the clothes is much less than when the clothes are immersed and boiled in the usual way and after boiling the clothes must be rubbed, while the steaming thoroughly cleanses them. This result is mainly owing to the fact that the clothes are not packed tightly together as in boiling, but hang loosely in the boiler in a temperature somewhat higher than 212°.

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

The frame B and rods D E, combined as described, with boiler A F, as and for the purpose set forth.

The above specification of my invention signed by me this 10th day of October, 1871.

Witnesses: MARIA C. HUBBARD.

T. B. MOSHER,
GEO. W. MABEE.

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