DAVID McCLEARY.

Improvement in Wash-Boilers.

Patented May 2, 1871.

No. 114,457.

Fig. 1

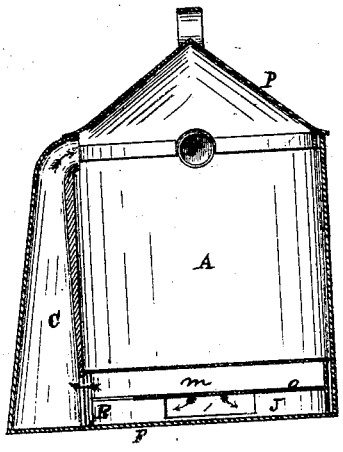


Fig. 2

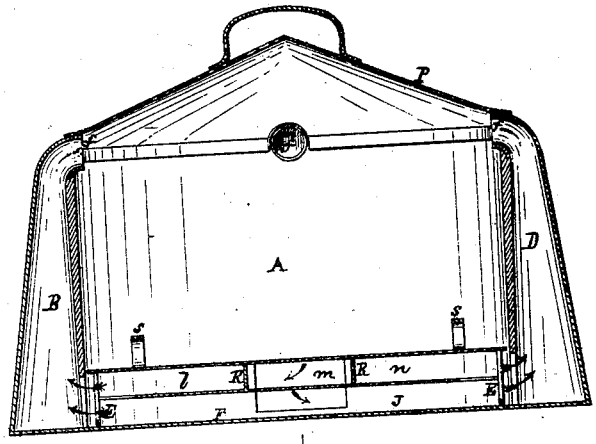
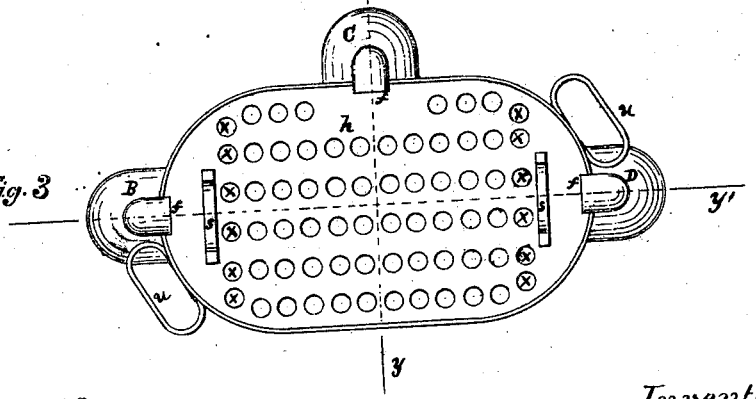


Fig. 3



Witnesses

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Letters Patent No. 114,457, dated May 2, 1871.

IMPROVEMENT IN WASH-BOILERS.

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, DAVID McCLEARY, of the city and county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in "Wash-Boiler;" and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon.

The nature of my invention consists in a wash-boiler provided with a false bottom, perforated so that the water will flow down from the clothes into a series of chambers, from which it flows into a boiling-chamber, from which the boiling water is conveyed by a series of tubes and deposited upon the upper surface of the clothes in the boiler, as hereinafter described.

To enable others skilled in the art to make and use my invention, I will proceed to describe more fully its construction and operation.

In the accompanying drawing which forms part of my specification—

Figure 1 is a transverse vertical section of my improved wash-boiler at line *y* of fig. 3.

Figure 2 is a longitudinal and vertical section of the same at line *y'* of fig. 3.

Figure 3 is a top view or plan of the wash-boiler when the lid is removed.

A represents the body of the boiler, which is of the ordinary construction, except that it is provided with tubes B, C, and D.

These tubes communicate with the interior of the boiler by openings E next to bottom F, and diminish in size from the bottom to their outlet at *f*.

The false bottom *h* is provided with a large number of small openings, *x x*, as indicated in fig. 3, and is furnished with three receiving-chambers, which communicate with the lower part of the tubes B, C, and D, and also with the boiling-chamber J.

The boiling-chamber is separated from the receiving-chambers *l*, *m*, and *n* by the diaphragm *o*, and the receiving-chambers are formed by the partitions R, placed between the diaphragm *o* and false bottom *h*.

The false bottom and parts connected to it are manipulated by means of handles *s*.

P represents the lid of boiler.

u represents the handles for the body A.

As the construction and arrangement of the several parts of my improvement in wash-boiler will be readily understood from the accompanying drawing and the foregoing description, I will therefore proceed to describe the operation, which is as follows:

Water is placed in the body A, after which the clothes to be boiled are arranged in it in the usual manner. The lid P is then placed on the body A, as indicated in figs. 1 and 2. The boiler is then placed on the stove or over other heating device, and as soon as the water commences to boil it flows up pipes or tubes B, C, and D, and flows from their outlets *f* over the clothes, and passing down through them flows through the openings *x* into the chambers *l*, *m*, and *n*, from which it is drawn by the up-flowing currents through pipes or tubes B, C, and D, and thus continues to circulate until the boiling process is completed.

By the arrangement of the several parts hereinbefore described the boiling process is greatly facilitated, and the force and quantity of water poured over the clothes greatly increased, which will speedily and thoroughly wash out the dirt from the clothes.

The hereinbefore-described arrangement of parts gives a greater capacity in the body A for receiving the clothes than can possibly be obtained where the tubes are attached to the false bottom

I wish it clearly understood that I do not claim, broadly, circulating-tubes in combination with a wash-boiler; but

What I claim as of my invention is—

The combination and arrangement of the false bottom *h*, receiving-chambers *l*, *m*, and *n*, boiling-chamber J, circulating-tubes B, C, and D, all constructed, arranged, and operating with relation to the body A, as hereinbefore described and for the purpose set forth.

DAVID McCLEARY.

Witnesses:

A. C. JOHNSTON,

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