

L. Hermance,

Washing Machine.

No. 85,821.

Patented Jan. 12. 1869

Fig. 1

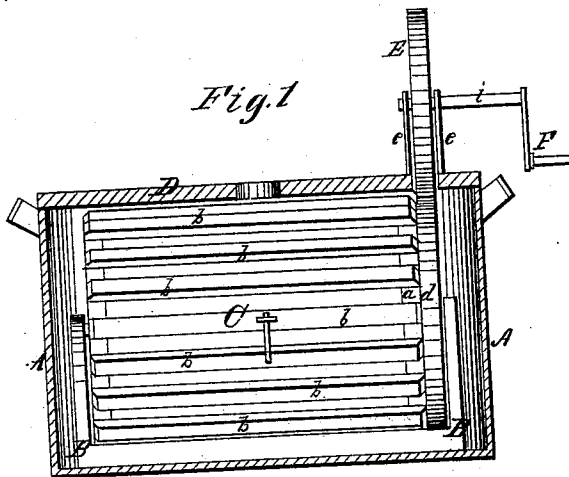


Fig. 2.

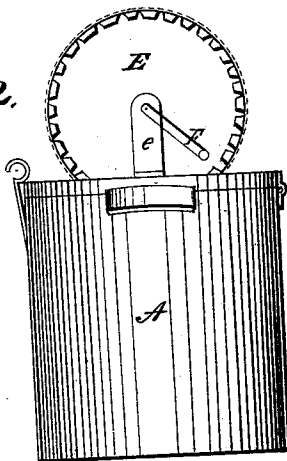
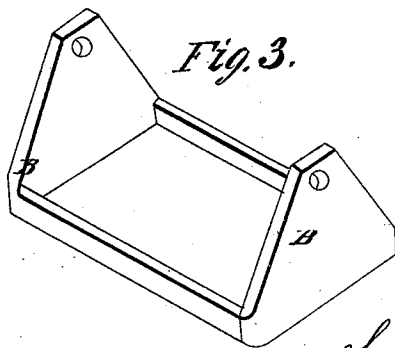


Fig. 3.



Witnesses:
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Attys

United States Patent Office.

LEVI HERMANCÉ, OF HUDSON, NEW YORK.

Letters Patent No. 85,821, dated January 12, 1869.

IMPROVED WASHING-MACHINE.

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, LEVI HERMANCÉ, of Hudson, in the county of Columbia, and in the State of New York, have invented certain new and useful Improvements in Wash-Boilers; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in the application, to a common wash-boiler, of an open-revolving cylinder, attached to a movable frame, and in the manner of operating the same, all of which will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains, to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, which form a part of this specification, and in which—

Figure 1 is a side elevation in section,

Figure 2, an end view, and

Figure 3, a perspective of the movable frame.

A represents a wash-boiler, made in any of the known and usual ways.

On the bottom of said boiler is placed a movable frame, B, the end-pieces of which are high enough to allow the cylinder C to be pivoted on the same, and still be a suitable distance from the bottom of the boiler.

The cylinder C is constructed of two polygonal heads, *a a*, connected by means of ribs or slats, *b b*, nailed or otherwise secured to the sides of the heads, but so arranged as to leave a space between the slats, as shown in fig. 1.

The heads *a a* are each made in two pieces, hinged together so that the cylinder can be opened and the articles to be washed placed inside of the same, when it is again closed.

On the outside of one of the heads *a*, is placed a circular plate, *d*, and the heads of the cylinder are in their centre provided with journals, which pass through the end-pieces of the movable frame B, allowing the cylinder to revolve freely.

The boiler A is provided with a lid, D, which has a slot just above the circular plate *d*.

On each side of this slot is a standard, *e*, between which is placed a wheel, E, said wheel projecting down through the slot in the lid, and touches the circular plate *d*.

The shaft *i*, on which the wheel E is placed, is provided with a crank, F, by means of which the machine is operated.

The wheel E and plate *d* may, around their peripheries, be provided with rubber, so that the cylinder C will be turned by the friction alone, or they may be provided with cogs, if so desired.

The object of having the crank F in the position herein indicated, is that it will be further away from the fire, than if placed otherwise.

The cylinder C is filled or partially filled with clothing, and then, with the frame, placed in the boiler, which is nearly half filled with water. The boiler is then placed on the stove, in the usual manner, and, as the clothes become heated by heated water and steam, the cylinder is revolved by its crank, so that the clothes may be steamed and cleansed on all sides.

The difficulty experienced in washing clothes by steam and hot water, whereby the action of the steam and water acts only on one portion of the clothing, is, by these means, obviated.

Having thus fully described my invention,

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

1. In combination with a common wash-boiler, the open revolving cylinder C and movable frame B, when constructed and arranged to operate substantially as shown and described.

2. The arrangement of the slotted lid D, and its wheel E, with the wash-boiler A, slotted cylinder C, and movable frame B, all substantially as shown and described.

In testimony that I claim the foregoing, I have hereunto set my hand, this 6th day of November, 1868.

LEVI HERMANCÉ.

Witnesses:

LEOPOLD EVERT,
A. A. YEATMAN.