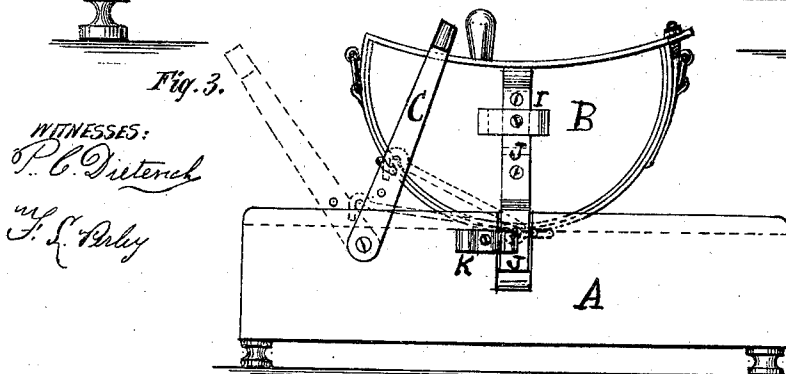
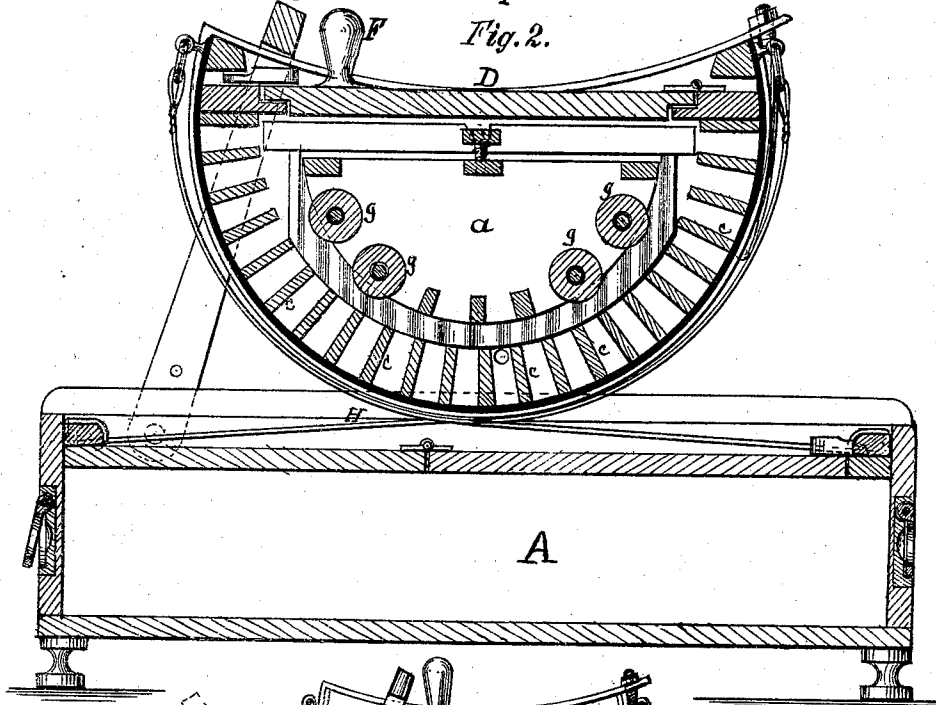
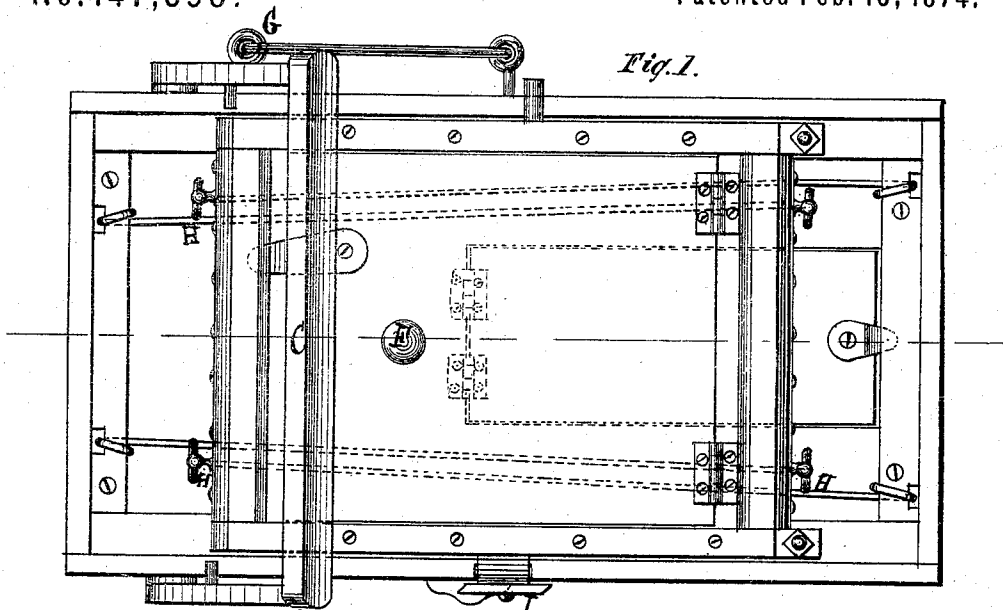


P. BERARD.
Washing-Machines.

No.147,358.

Patented Feb. 10, 1874.



WITNESSES:
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UNITED STATES PATENT OFFICE.

PIERRE BÉRARD, OF WEBSTER, MASSACHUSETTS.

IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. **147,358**, dated February 10, 1874; application filed June 5, 1873.

To all whom it may concern:

Be it known that I, PIERRE BÉRARD, of the town of Webster, in the county of Worcester, in the State of Massachusetts, have invented a new and useful Improvement in Washing-Machines; and I do hereby declare that the following is a full, clear, and exact description thereof.

The nature of my invention relates to an improvement in washing-machines; and it consists in the arrangement and combination of parts which will be more fully described hereafter.

Figure 1 is a plan view. Fig. 2 is a longitudinal section; and Fig. 3 is a side elevation.

A represents a suitable box or frame upon which the tub is rocked back and forth, and which is provided with a drawer to receive the clothes, after they have been passed through the tub. The tub B is semicircular in shape, and is attached to the frame A by suitable straps, H, so that the box can be freely rocked back and forth by any power applied to the handle F on the cover D. The ends of this tub are corrugated, while around the inner surface of the sides and bottom, are arranged a number of slats or bars, c, against which the clothes are rubbed as the tub is rocked back and forth. In the top of the tub is suspended a frame, a, around the sides of which are pivoted a number of rollers, g, which serve to hold

the clothes down in position upon the tops of the bars c. Upon each side of the frame A is pivoted a movable arm, C, to which the wringer is attached, and which is held in position by the hooked rods G. When the wringer is no longer needed it can be moved back out of the way, without the trouble of unfastening any part. On one side of the tub B is a hinged arm, J, so arranged that when the wringer is used, the arm is turned down in a slot in the frame A, and secured by a button, K, which holds the tub firmly in place, and when the washer is used the hinged arm is turned up on the tub and there secured by a button, I, leaving the tub free to be rocked for washing purposes.

Having thus described my invention, I claim—

1. The semicircular tub B, frame a, provided with rollers g and straps H, in combination with the box A, substantially as set forth.

2. The hinged arm J, and buttons I and K, in combination with the tub B and frame A, substantially as and for the purpose specified.

his
PIERRE + BÉRARD.
mark.

Witnesses:

G. O. VOSE,
C. E. HOWARD.