

J. L. La Rose,

Washing Machine.

No. 106,492.

Patented Aug. 16. 1870

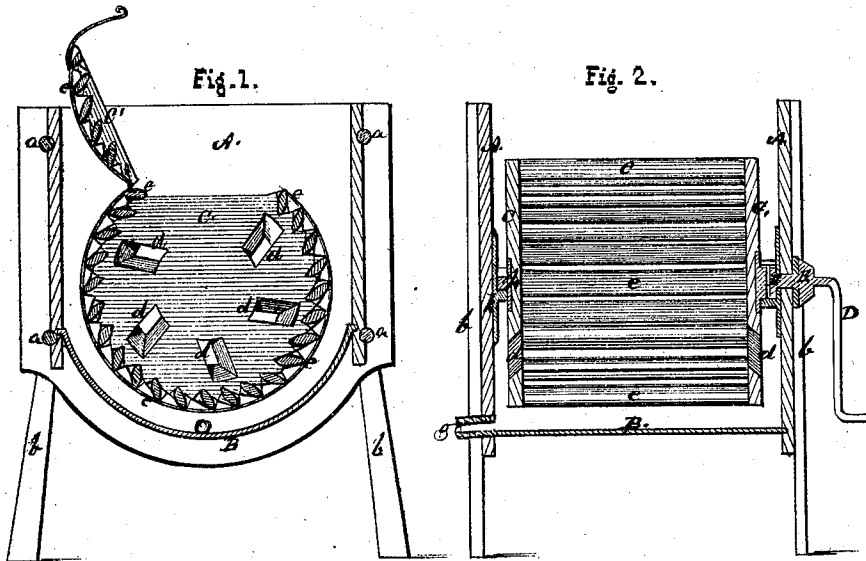


Fig. 3.

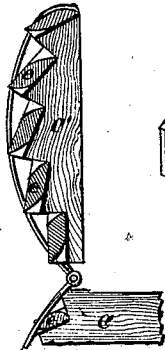


Fig. 4.

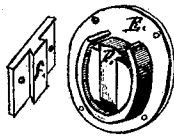
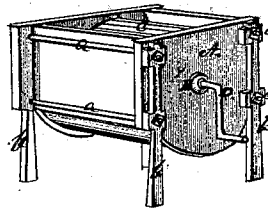


Fig. 5.



Witnesses.

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JOHN L. LA ROSE, OF LEAVENWORTH, KANSAS.

Letters Patent No. 106,492, dated August 16, 1870.

IMPROVEMENT IN 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, JOHN L. LA ROSE, of Leavenworth, in the county of Leavenworth and State of Kansas, have invented certain new and useful Improvements in a Washer for Cleansing and Scouring Wearing Apparel, Washing Bed and Table-Linen, &c.; and the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 represents an end sectional view of the frame, suds, and rinsing-box, the revolving clothes-cylinder with the portion opened, showing the apertures in the end of the cylinder, the form and position of the slats which cover the cylinder.

Figure 2 shows a side view section through the same, with the journals, crank-coupling, and stuffing-box.

Figure 3 is an enlarged view of the open section of the washing-cylinder.

Figure 4 shows detached views, in perspective, of the stuffing-box, and the clutch or crank-coupling, with the cylinder.

Figure 5 shows a small perspective view of the machine with the cover removed.

My invention relates to a class that, perhaps, of all others has been put in almost every conceivable form; and

It consists in the construction of the washing-cylinder, with its angular beveled openings through the heads or ends of the cylinder, and the peculiar shape and position the slats are put on for covering the cylinder, so that, by revolving it in one direction, the suds and rinsing-water will be drawn in by the slats through the clothes, and pass out at the apertures in the ends; and by revolving the cylinder in the reverse direction, the cylinder is mostly emptied of the water, carrying with it the impurities separated from the clothes to be drawn off; and, in combination therewith, the dovetailed coupling-box, for connecting and disconnecting the cylinder from the crank and suds-box.

General Description.

The suds-box A is constructed in the usual manner, with a curved sheet-metal bottom, B, it being supported on legs b b, which are secured to the frame of the box by the bolt-rods a a, which hold and clamp the box together.

The revolving cylinder C is so constructed that the clothes or articles to be cleansed are put inside, a portion of the cylinder C being hinged for the purpose of opening into it.

The two heads c c are provided with oblong square apertures, d d, cut in rectangular positions from the center, the apertures in both heads being beveled in one direction, so that the water will easily pass out when rotated in one direction, and in when the motion is reversed.

The slats e e e e, with which the cylinder is covered, are peculiarly formed, the inner and outer edges being brought nearly to an edge, and the sides rounded over, from the opposite corners, so as to make the form similar to the blade of an oar, by which means the water is conveyed into the cylinder, and the air is mixed with it, and forced through the clothes as they are tumbled and chaffed by revolving the cylinder in one direction, and the water is nearly all excluded from the cylinder and clothes when turned in the opposite direction, thus rinsing and throwing out the dirt to be drawn off from the suds-box A at the spigot g.

The crank D is permanently connected with the suds-box by the stuffing-box E, and is provided on the inside with a dovetail clutch, F, which forms a coupling with the revolving washing and rinsing-cylinder, by the sliding in of the counter-piece plate f, which is secured centrally on the outside of one of the cylinder-heads c.

The other head c is provided with a journal, h, and journal-box k, open at the top, so that the cylinder can easily be taken out of the box A and replaced at pleasure.

What I claim as my invention is—

1. A washing and rinsing-cylinder, with angular beveled oblong apertures, d d, through the heads c c, as arranged in combination with the oval or oar-shaped covering slats e e e e, operating in the manner as and for the purposes described.

2. In combination with the above, the dovetail coupling F f, the stuffing-box E, and crank D, as herein shown and described.

In testimony whereof I hereunto subscribe my name in the presence of—

JOHN L. LA ROSE.

Witnesses:

E. E. HENRY,
T. P. GARRETT.