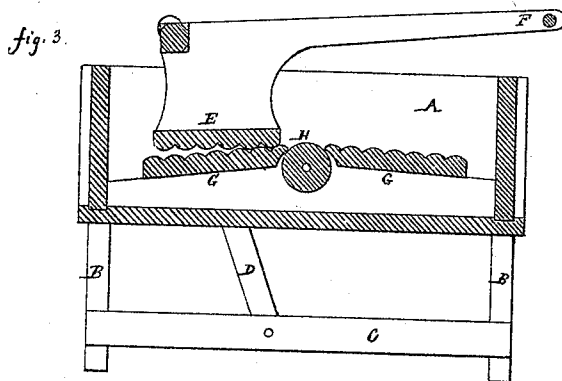
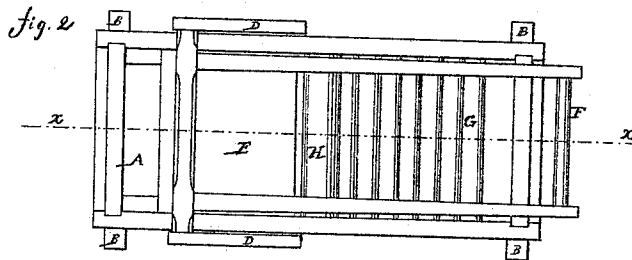
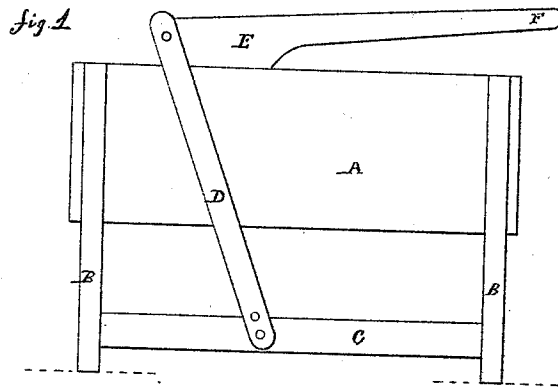


P. C. ADDIS.
 WASHING-MACHINE.

No. 172,596.

Patented Jan. 25, 1876.



Witnesses:
 Edward Rose
 J. Leickey

Inventor:
 P. C. Addis.

UNITED STATES PATENT OFFICE.

PETER C. ADDIS, OF DEER PARK, ILLINOIS.

IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. 172,596, dated January 25, 1876; application filed March 4, 1874.

To all whom it may concern:

Be it known that I, PETER C. ADDIS, of Deer Park, in the county of La Salle and State of Illinois, have invented certain Improvements in Washing-Machines, of which the following is a specification:

This invention relates to that class of washing-machines in which a flat corrugated rubber is reciprocated by hand-power over a corrugated board below; and consists in placing in the middle part of the corrugated board a single roller, made free to turn on its axis, for the purpose of enabling the operator to move the clothes in wash either way by engaging the said clothes or other articles between the roller and the top rubber.

Figure 1 is a side elevation of a machine embodying my invention. Fig. 2 is a plan of the same. Fig. 3 is a vertical section, showing those parts of the machine which are above the line *xx*, drawn across Fig. 2.

A is the box or tub of the washing-machine, having four legs, B B B B, also two bars, C C, to which are hinged the arms D D, carrying the rubber E, made of wood or other hard substance. This rubber has a corrugated surface, and its frame is extended to form a handle, F. Directly under this rubber E is the corrugated board, G, made convex in shape, to conform with the motion of the rubber E. This board G has inserted into its center the roller H; which therefore forms the highest point, the board G sloping downward from each side of the roller H.

To operate the machine the box or tub A is partially filled with hot suds. The clothes or stuff to be washed are then soaked, and the

end of a piece brought over one end of the board G. The rubber E is then brought down and rubbed over the parts that need washing, after which the piece is made to progress over the board by pushing the rubber E over the roller H, when the piece will be carried along until the operator sees a new place which needs rubbing.

It will be seen from this that the clothes only get rubbed where they need it, the other parts being merely carried through and submitted to a squeezing process, which is generally sufficient to wash clothes clean except in occasional places, which must be rubbed, and so the clothes will be saved from a good deal of unnecessary wear, while at the same time the labor of washing is much easier.

I am aware that a convex bottom board provided with ribs has heretofore been employed in connection with a corrugated reciprocating rubber, as shown in Letters Patent granted to G. L. Witsil, dated December 22, 1863, No. 41,044, and I therefore lay no claim to such invention; but

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

The convex bottom board G, provided with a roller, H, extending transversely across its middle and highest portion, as described, whereby the reciprocating movement of the rubber over the highest portion of the bottom board is facilitated, substantially as set forth.

PETER C. ADDIS.

Witnesses:

EDWARD ROSE,
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