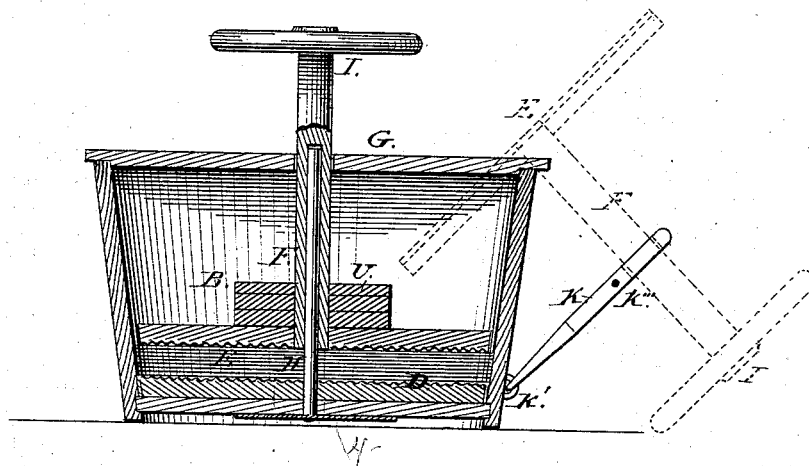


D. ALDRICH.
Washing-Machine.

No. 215,425.

Patented May 20, 1879.



Witnesses:
Edw. M. Doud
Ernest Wallenly

Inventor:
Davis Aldrich,
J. N. Kalb & Co.
Attys.

UNITED STATES PATENT OFFICE.

DAVIS ALDRICH, OF BLANDINSVILLE, ILLINOIS.

IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. **215,425**, dated May 20, 1879; application filed June 15, 1878.

To all whom it may concern:

Be it known that I, DAVIS ALDRICH, of Blandinsville, in the county of McDonough and State of Illinois, have invented a new and useful Improvement in Washing-Machines, of which the following is a full, clear, and exact description.

The figure shows a vertical section of my device, the dotted lines showing the rubbing-board in position for hand use.

This invention relates to washing-machines; and consists in a rubbing-board capable of being used in the tub or turned up and used as a hand-board, and in the attendant mechanism necessary to such additional use.

B indicates the tub, which has a lid, G. The tub is provided with a center pivot-post, H, which passes through the bottom of the tub, and is held securely by means of the under plate, H'.

On the post H is placed the hollow shaft F, which has a handle, I, at the top, above the lid G, and at the bottom the rubbing-board E, above which are placed the weights U, whose use is apparent.

The rubbing-board E has ribs on its under surface, answering the usual purpose in such cases, and is turned by means of the handle I.

The tub has a stationary rubbing-board, D, over its bottom, with ribs on its upper surface.

The lid G has, necessarily, an aperture in the center large enough to allow the pivot-post and the shaft F to pass through it.

The rotary rubbing-board E may be taken out and turned up to be used for hand-washing. To do this the shaft F is attached to the arm K, which has open jaws to receive it, and is provided with the screw K'', to clamp the jaws upon the shaft and secure it at any desired angle or position. The arm K is attached to the tub at K'.

The operation of my device is simply this: The clothes to be washed are placed under the rotary rubbing-board E, which is then turned by means of the handle I.

If it is desired to wash particular articles or parts by hand, the board E is turned up, and the shaft F secured to the arm K, and it is then ready for washing by hand.

I claim—

1. The tub B and the detachable rubbing-board E, having the shaft F, in combination with the arm K, substantially as described, and for the purpose set forth.

2. The washing-machine consisting of the tub B, the stationary rubbing-board D, the pivot-shaft H, the rotary and detachable rubbing-board E, the hollow-shaft F, the handle I, the weights U, and the arm K, as and for the purpose set forth.

DAVIS ALDRICH.

Witnesses:

SAML. J. WALLACE,
FRED. ALDRICH.