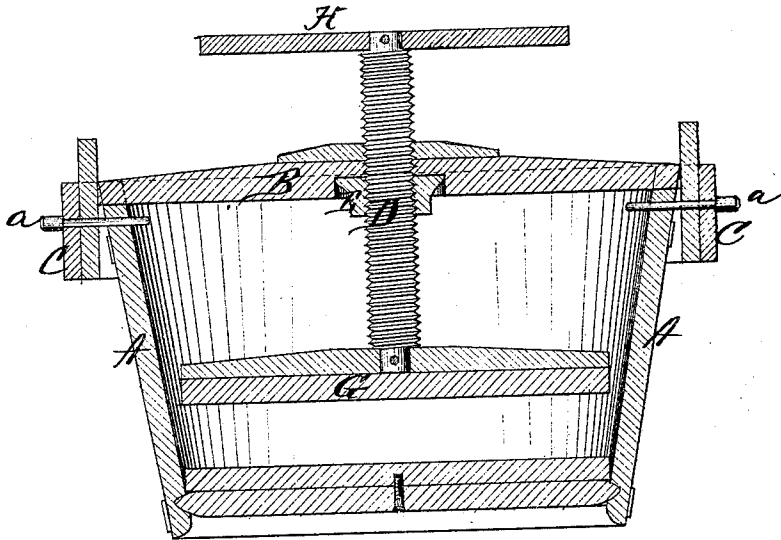


F. Utley,

Washing Machr.

No. 113,948.

Patented Apr. 18. 1871.



Witnesses
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FOSTER UTLEY, OF CHAPEL HILL, NORTH CAROLINA.

Letters Patent No. 113,948; dated April 18, 1871.

IMPROVEMENT IN WASHING-MACHINES.

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, FOSTER UTLEY, of Chapel Hill, in the county of Orange and State of North Carolina, have invented certain new and useful Improvements in Washing-Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a "washing-machine," as 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 drawing, which is a longitudinal vertical section of my improved washing-machine.

A represents a tub of any desired dimensions, across the top of which is laid a bar, B, secured by means of the pins *a a* through the cuffs C C, as shown.

Through the center of the cross-bar B passes a screw, D, which also passes through a nut, E, inserted in a recess in the under side of said cross-bar.

The lower end of the screw D is firmly secured in or to the center of a circular rubber, G, as shown.

By taking out the pins *a a* the cross-bar, screw, and top rubber are removed and the clothes put in the

tub, when the said parts are put in place again and the screw turned down until the rubber G is down upon the clothes.

Then, by means of a handle, H, attached to the upper end of the screw, the screw and rubber are turned back and forth.

By this means the operator has the entire control of the clothes by rolling, rubbing, and pressing all at the same time, without any injury to the clothes. The operator may rub as hard or as light as may be desired by running the screw up or down.

The rubbing surfaces—that is, the upper surface of the bottom of the tub and the under surface of the rubber G—may be either smooth or corrugated as may be deemed most advantageous.

Having thus fully described my invention,

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

In combination with a tub, A, the cross-bar B, screw D, rubber G, and handle or lever H, all constructed and arranged substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

FOSTER UTLEY.

Witnesses:

ELMORE W. WOODS,
JAMES F. WATSON.