

L. E. Ransom,

Washing Machine.

N^o 49,920.

Patented Sep. 12, 1865.

Fig. 1

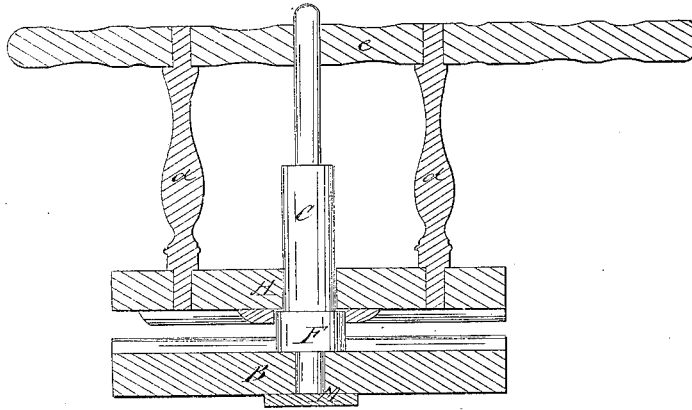


Fig. 2

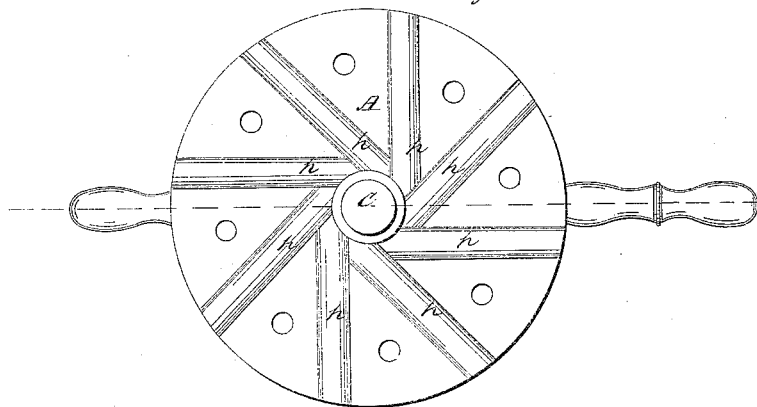
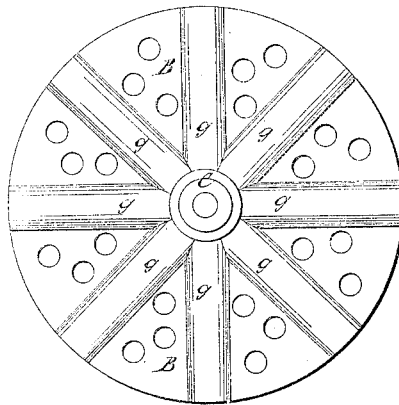


Fig. 3



Witnesses
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UNITED STATES PATENT OFFICE.

L. E. RANSOM, OF TRENTON, MICHIGAN.

WASHING-MACHINE.

Specification forming part of Letters Patent No. 49,920, dated September 12, 1865.

To all whom it may concern:

Be it known that I, L. E. RANSOM, of Trenton, Wayne county, in the State of Michigan, have invented certain new and useful Improvements in Washing-Machines; and I hereby declare that the following is a true and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in the use of certain mechanical devices to facilitate the process of washing clothes.

Figure 1 in the annexed drawings represents a vertical section of my machine, taken through its center. Fig. 2 gives a plan view of the upper disk with the rubbers attached. Fig. 3 designates the lower disk and rubbers.

The upper disk, A, is furnished with the two vertical arms *d*, which at bottom are securely fastened to the disk A, and at top pass through the horizontal handle *e*, with which the disk A is operated.

C represents a vertical shaft passing through the center of disk A, and on which A is made to play freely. The upper end of shaft C penetrates a hole in handle *e*, the hole being sufficiently large to admit a revolving motion in the handle. The shaft C penetrates through and is made fast to the lower disk, B, which has a number of rubbers, *g*, radiating from the shaft C. The shaft C has near its lower end the shoulder F, against which the lower surface of disk A rests when performing its revolutions around shaft C.

The upper disk, A, has a series of rubbers, *h*, attached to its under surface, which are

tangential in reference to the cylindrical shaft C. The object of placing the rubbers *h* in this position is to throw the articles to be washed as near as possible to the circumference of the disk A, this being the point where the friction is greatest.

The lower disk, B, has a number of perforations, through which the foul suds can escape to the bottom of the tub in which my apparatus operates.

In order to make a reservoir for the foul suds, a bearing, M, made an inch or more in thickness, is nailed at the center of the under surface of disk B, thus raising it from the bottom of the tub. My machine is operated by the horizontal handle *e*, which is intended to extend its ends beyond the circumference of the tub.

One great advantage in the construction of my washing apparatus is that it can be adapted by the person who uses it to a tub of any size by diminishing or enlarging the two disks A and B; and as every family is supposed to have a tub, the expense of purchasing another is saved.

Having thus described my machine, what I claim, and desire to secure by Letters Patent, is—

The combination of the tangential rubbers on disk A, the bearing F, the perforated disk B, and bearing M, so arranged that the whole can be adapted and applied to and used in common wash-tubs.

L. E. RANSOM.

Witnesses:

S. H. PRINGLE,
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