

E. NORTON.

Washing-Machines.

No. 134,816.

Patented Jan. 14, 1873.

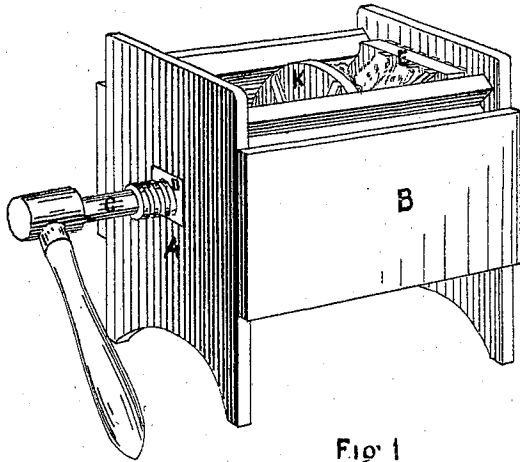


Fig. 1

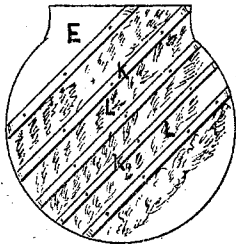


Fig. 2

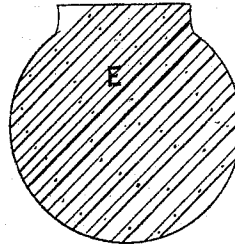


Fig. 3

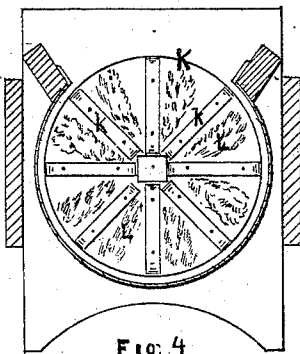


Fig. 4

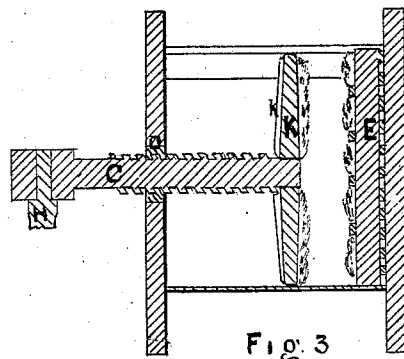


Fig. 5

WITNESSES

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INVENTOR

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per William Cason atty

UNITED STATES PATENT OFFICE.

EDWIN NORTON, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. 134,816, dated January 14, 1873.

To all whom it may concern:

Be it known that I, EDWIN NORTON, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Washing-Machines, of which the following is a specification:

The Nature of the Invention.

The nature of my invention consists in combining with a screw-spindle shaft a reversible head or disk, said head having upon one side a series of slats or ridges intervened with sponge-like masses, the other side being provided with ridges alone. This disk is to operate against a fixed reversible disk made in the same manner, the whole being connected so as to operate together in a suitable tank or tub.

Description of the Drawing.

Figure 1 is a perspective view of the whole machine. Figs. 2 and 3 represent the opposite sides of the fixed disk. Fig. 4 is a cross-vertical section of the machine; Fig. 5 is a horizontal section of the same.

General Description.

Let A B represents the tank or tub, and C a screw-shaft operating through the nut D in one end of the tank. To the end of the shaft C I attach a disk, K, Figs. 1, 4, 5, which is provided on one side with a series of slats or

ridges, *k k*, intervened with a sponge-like material, L, Fig. 4. The other side of this disk has ridges only. The disk E, Figs. 1 and 5, is made in the same manner, both disks, K and E, being reversible so that the sponge-faces or ridge-faces may be worked together, or one ridge-face may work against the sponge-face of the other. The shaft C being a screw it will be seen that the disk K may be set at any distance from the disk E. H is a handle for working the shaft C, and thus giving motion to the disk K.

The operation of my washing-machine is as follows: The clothes to be washed are put between the disks K and E. Then the shaft C is screwed up until the required pressure is brought to bear upon the clothes, after which the disk K is made to oscillate by swinging the handle H back and forth. This action causes the clothes to be cleansed. The disks K and E may be worked as sponge-disks or as hard ridged disks, or as a sponge and a ridge disk, as may be desired.

I claim as my invention—

The combination of the screw-rocking shaft C, nut D, and the reversible disks K and E, all constructed and operating substantially as described, and for the purpose set forth.

EDWIN NORTON.

Witnesses:

FRANK G. PARKER,
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