

J.B. King
Washing Mach.
No 4,004. Patented Aug. 24, 1889

Fig. 1.

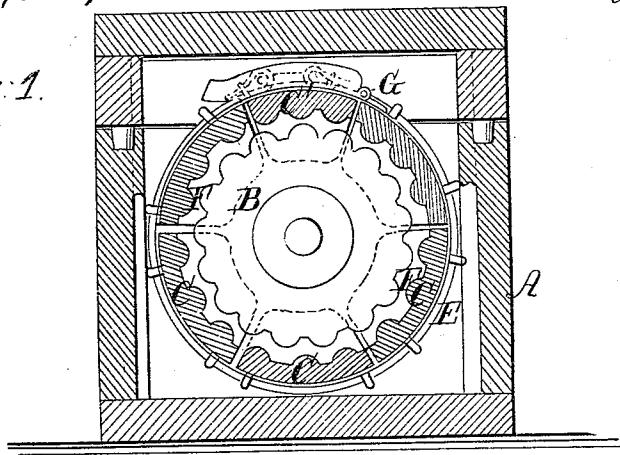


Fig. 2.

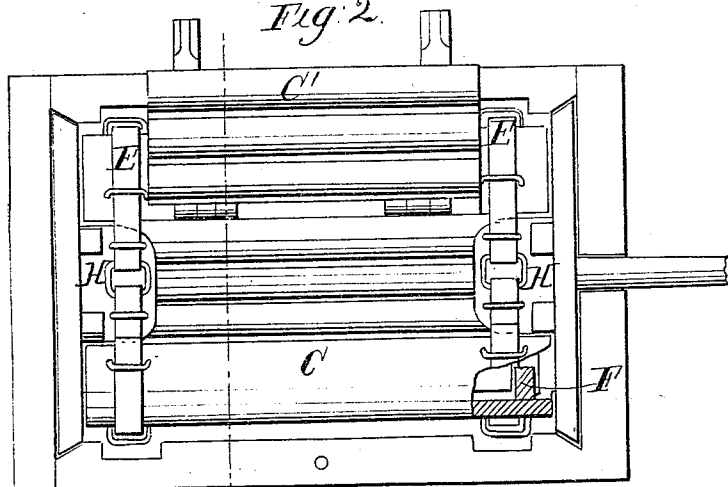
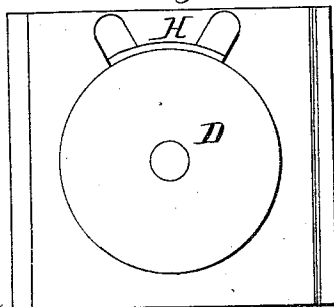


Fig. 3.



Witnesses;

Chas. Nida

Dr. H. B. Boody

Inventor;

J. B. King
Manufacturer

United States Patent Office.

JEROME B. KING, OF NEW YORK, N. Y.

Letters Patent No. 94,004, dated August 24, 1869.

IMPROVED WASHING-MACHINE.

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, JEROME B. KING, of the city, county, and State of New York, have invented a new and useful Improvement in Washing-Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to improvements in machines for washing clothes, and has for its object to provide an efficient and economical machine.

It consists in the peculiar construction and arrangement of the parts of the same, as will be hereinafter more fully described.

Figure 1 represents a transverse sectional elevation of a machine constructed according to my invention.

Figure 2 represents a top view, partly broken, with the exterior case and one panel of the expansible case opened.

Figure 3 represents a detail view.

Similar letters of reference indicate corresponding parts.

A represents the water-holding tub or case, which may be of rectangular or other form, within which I provide, in a horizontal position, a cylinder, B, arranged upon journals, for rotation, to be driven by a hand-crank, or other means. Around this cylinder I provide a casing, C, made in segmental sections, each so arranged as to be capable of movement toward or from the cylinder, and being confined against the circular heads or supports D, coincident with the cylinder, at each end, by elastic springs or belts E, when not pressed away by the clothes between them. The said heads and segmental sections are so arranged as to permit the surface of the cylinder and segments to come closely together, but not sufficiently to interfere with the rotation of the cylinder. The ends of each section

are provided with segmental blocks F, lapping by the ends of the cylinder, to prevent the clothes from escaping over the end of the cylinder.

One of the sections, as C', may be arranged to be opened, to place the clothes to be washed within the expansible case, and for this reason, may be made shorter than the others, to work inside the bands E, and hinged to one of the others, as shown at G, and fastened in the closed position by a hook and staple, button, or other suitable device.

To support the door, at the spaces where the ends of the hinged panel C or door are shortened, guards H, projecting from the heads D, are provided, or the door may be supported in any other preferred way.

The external surface of the cylinder, and the internal surface of the case, are preferably grooved, to facilitate carrying the clothes around between them, and whereby the squeezing and rubbing-action on the clothes is greatly increased.

Having thus described my invention,

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

The washing-machine, constructed, as described, of the segmental sections C, one of which forms a cover, held to the rotating cylinder B, by means of the elastic bands E, and resting at their outer ends upon the end disks D, bearing the guards H, each segment C being provided with end segments F, which are adapted to fit between the ends of the cylinder B and the disks D, all arranged as described, for the purpose specified.

The above specification of my invention signed by me, this 15th day of March, 1869.

J. B. KING.

Witnesses:

FRANK BLOCKLEY,
E. GREENE COLLINS.