

J. O. BEAUPERLAND.  
 WASHING-MACHINE.

No. 186,073.

Patented Jan. 9, 1877.

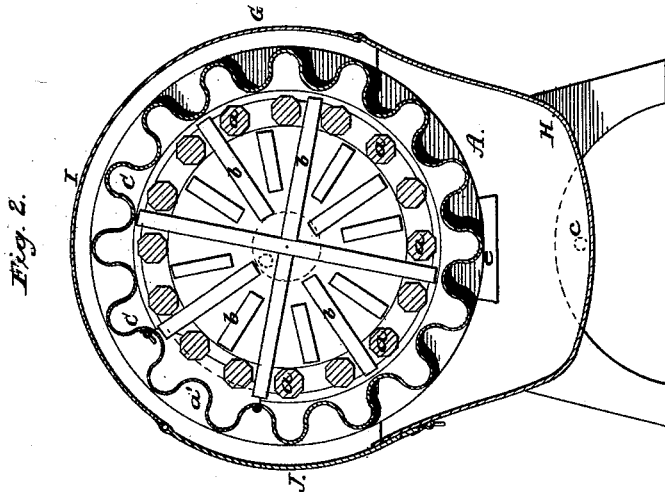


Fig. 2.

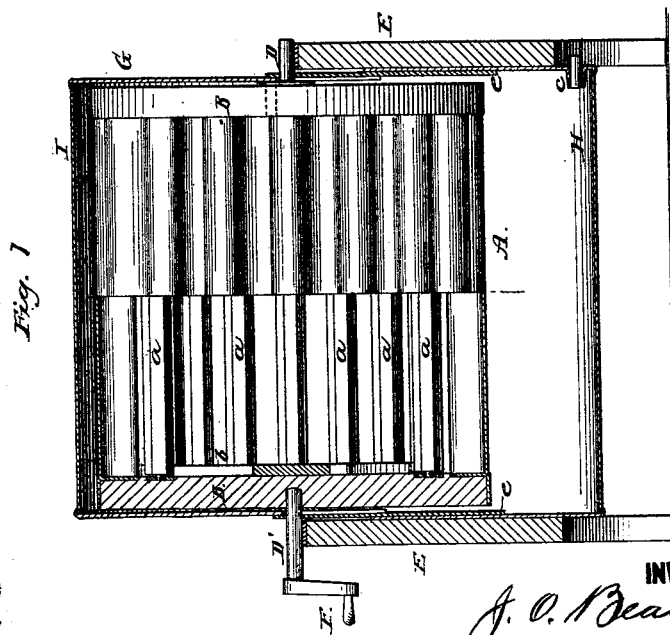


Fig. 1.

WITNESSES:

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INVENTOR:

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BY

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# UNITED STATES PATENT OFFICE.

JOSEPH O. BEAUPERLAND, OF FALL RIVER, MASSACHUSETTS.

## IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. **186,073**, dated January 9, 1877; application filed November 18, 1876.

*To all whom it may concern:*

Be it known that I, JOSEPH O. BEAUPERLAND, of Fall River, in the county of Bristol and State of Massachusetts, have invented a new and Improved Washing-Machine, of which the following is a specification:

Figure 1 is a side elevation in part section. Fig. 2 is a transverse section on line *xx* in Fig. 1.

Similar letters of reference indicate corresponding parts.

My invention consists of a metallic cylinder, having longitudinal corrugations, in the internal concavities of which octagonal rollers are sustained, being journaled in the cylinder-heads. The said cylinder is provided with cleats attached internally to the heads, and with gudgeons that are journaled in the supporting-frame of the machine, one of which is provided with a crank.

Referring to the drawing, A is a cylinder, consisting of the heads B and the portion C, which is corrugated longitudinally and attached to the heads. In each internal cavity in the corrugated portion an octagonal roller, *a*, is supported, being journaled in the heads. A portion, *a'*, of the corrugated metallic part C is hinged to form a door, through which the clothes may be introduced or removed. The internal surfaces of the heads B are provided with cleats *b*. D D' are gudgeons attached centrally to the heads, and journaled in standards E that are attached to the covering that envelops the cylinder A. The crank F is attached to the gudgeon D' for turning the cylinder A. G is a covering that

surrounds the cylinder A, and is divided into three parts, H I J. The part H is attached to the standards E, and is formed into a trough for receiving and retaining the water that escapes from the cylinder A. It is provided with an opening, *e*, for removing the water. The part I is hinged to the part H at *d*, and is slotted, so that it may shut down over the gudgeons. The part J is hinged to the part I, forming a door, which may be opened when clothes are to be put into or removed from the machine. The part I shuts down inside of the part H, and a piece of packing, *e*, is placed between the two parts to prevent the escape of water around the gudgeons.

Clothes and a quantity of hot or cold water are introduced through the doors in the covering and in the cylinder, and secured there in by closing and fastening the doors. The cylinder is then rotated, and the clothes, by constantly falling toward the lower portion of the cylinder over the rollers, soon become cleansed; and the corrugations in the surface of the cylinder tend to carry up water which percolates through the clothes, and carries out the dirt.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The cylinder A, having longitudinal corrugations, in combination with rollers *a*, substantially as shown and described.

JOSEPH O. BEAUPERLAND.

Witnesses:

C. SEDGWICK,  
GEO. M. HOPKINS.