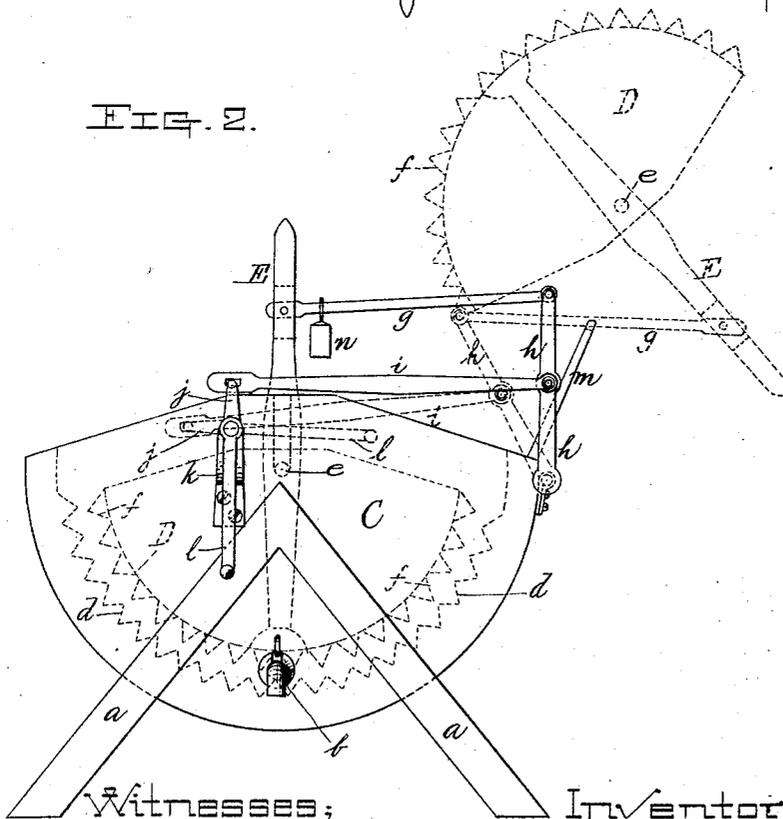
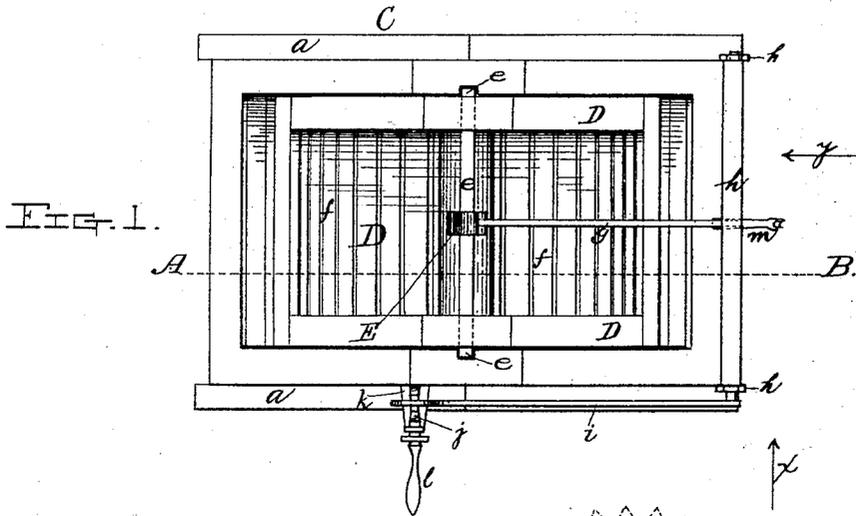


A. BARBEAU.  
WASHING MACHINE.

No. 327,988.

Patented Oct. 13, 1885.



Witnesses;  
*Joseph A. Toupin*  
*George T. Dewey*

Inventor,  
*Alfred Barbeau*  
 By *John C. Dewey*  
 Attorney.

(No Model.)

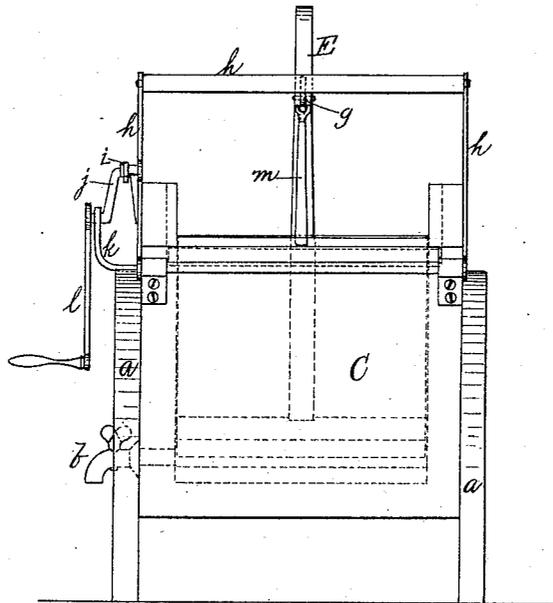
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FIG. 4.



Witnesses;

*George S. Dewey*  
*Joseph A. Toupin*

Inventor;

*Alfred Barbeau,*  
By *John C. Dewey*  
Attorney.

(No Model.)

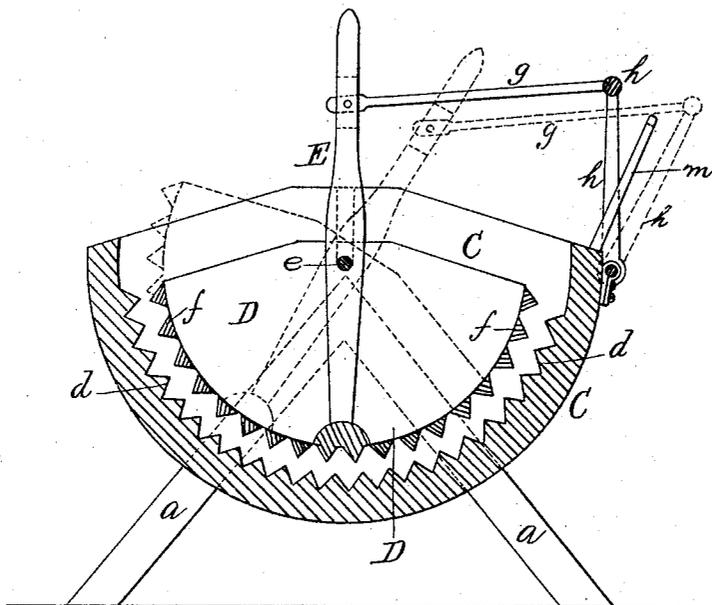
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FIG. 3.



Witnesses;

*George S. Dewey*  
*Joseph A. Toupin*

Inventor;

*Alfred Barbeau,*  
BY *John C. Dewey,*  
Attorney.

# UNITED STATES PATENT OFFICE.

ALFRED BARBEAU, OF WARE, MASSACHUSETTS.

## WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 327,988, dated October 13, 1885.

Application filed April 18, 1885. Serial No. 162,651. (No model.)

To all whom it may concern:

Be it known that I, ALFRED BARBEAU, a subject of the Queen of Great Britain, residing at Ware, in the county of Hampshire and State of Massachusetts, have invented certain new and useful Improvements in Machines for Washing Clothes; and I do hereby declare that the following is a full, clear, and exact description of my invention, which will enable those skilled in the art to which my invention belongs to make and use the same.

My invention relates to washing-machines, or machines for washing clothes; and it consists in certain novel features of construction, of the several parts of the machine, as will be hereinafter fully described, and the nature thereof indicated by the claims.

Referring to the drawings, Figure 1 is a top or plan view of my washing-machine. Fig. 2 is a side view or elevation, looking in the direction of the arrow *x*, Fig. 1, the dotted lines representing the rubber raised out of the tub and supported at one end, as will be hereinafter described, and Fig. 3 represents a cross-section on line A B, Fig. 1, looking in the direction of arrow *x*, same figure, showing the rubber and operating mechanism in two positions; and Fig. 4 is an end view or elevation of the washing-machine, shown in Fig. 1, looking in the direction of arrow *y*, same figure.

In the drawings, the part marked C is the tub or trough for holding the water and the clothes when being washed. It has a curved bottom, as shown, the sides being substantially parallel to each other. The tub C is supported in this instance by means of the legs or supports *a a*, secured to each side of the tub, and is provided with a small faucet, *b*, for drawing off the water from the tub when desired. The interior bottom of the tub C is corrugated or grooved, as shown in the drawings, the corrugations *d* being made angular, though, if preferred, they might be made curved, in the well-known manner.

Within the tub C is suspended the rubber D, supported and pivoted at its center point, in this instance by the rod *e* passing through the parallel sides of the rubber D at their top part, and the ends of said rod *e* extending out beyond the sides of the rubber and fitting into

slots or grooves in the top part of the sides of the tub C. The form or shape of the rubber D is made to correspond with the form of the tub C. The bottom or lower curved side of the rubber is made of angular slats or cross-pieces *f*, secured at each end to the parallel sides of the rubber, and placed at a slight distance apart, to allow the water to pass up through the bottom of the rubber D.

A handle or arm, E, is secured in the bottom part of the rubber D, extending up through the central part thereof, as shown, the supporting-rod *e* extending or passing through the handle E at about its middle point.

The rubber D is operated and worked by means of the mechanism shown in the drawings, consisting of the lever or connecting-arm *g*, hinged at one end to the arm or handle E, and secured at the other end to the frame *h*, hinged at its lower part to the top part of the tub C. To one side of the frame *h* is hinged or pivoted the crank-arm *i*, the other end of the crank-arm *i* being attached to the crank *j*, which turns in suitable bearings in the side of the tub C, and in the projecting support or arm *k*, secured to the tub C. Said crank *j* and the connecting mechanism are operated by the crank-handle *l*.

A support, *m*, with a slot or groove in its upper part, extends up from one end of the tub C directly in line with the connecting-arm *g*, so that when the rubber D is raised out of the tub C and turned over in the position shown by dotted lines, Fig. 2, one end of the rubber will rest upon the top of the hinged frame *h* and the connecting-arm *g* upon the top of the support *m*, thus holding the rubber in an elevated position away from the tub C.

When the machine is in operation, the weight of the rubber D will generally be sufficient to press down the clothes and keep them in place between the bottom of the rubber and the bottom of the tub C; but, if necessary, a weight, *n*, may be suspended from the connecting-arm *g* and moved along on the same to increase or decrease the pressure upon the clothes as the machine is operated, as may be desired.

The operation of the washing-machine is very simple, and will be readily understood from the drawings, in connection with the

description. The clothes to be washed or scrubbed are placed in the tub C, the rubber D being supported in an elevated position away from the tub C, in the manner before described; and, as shown by dotted lines, Fig. 2, the tub C is partially filled with water and the rubber D suspended or pivoted within the tub C in the manner before described. The machine is operated by turning the crank-handle *l*, causing the rubber D to move back and forth in the tub C over the clothes, which will be worked around and thoroughly cleaned between the corrugated surfaces on the bottom of the tub and on the rubber.

The washing-machine may be operated by the attendant grasping one side of the hinged frame *h* and moving it back and forth. In this case the crank-handle *l* and crank *j* and crank-arm *i* may be dispensed with; but I prefer to operate the machine by the crank-handle *l*, as it works much more easily and can be operated without exerting much strength.

Having thus described my improvements in washing-machines, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with the tub C and rubber D, provided with the supporting-rod *e* and projecting arm E, of connecting lever-arm *g*, hinged frame *h*, crank-arm *i*, crank *j*, crank-handle *l*, and support *k*, all combined, constructed, and operated substantially as set forth.

2. The combination, with the tub C, provided with a support, *m*, extending up from one end thereof for the purpose stated, and the rubber D, provided with rod *e* and projecting handle E, of the connecting lever-arm *g*, hinged frame *h*, crank-arm *i*, crank *j*, and crank-handle *l*, constructed and operated substantially as set forth.

ALFRED BARBEAU.

Witnesses:

ALPHONSE LACOSTE,  
JOSEPH BARBEAU, Jr.