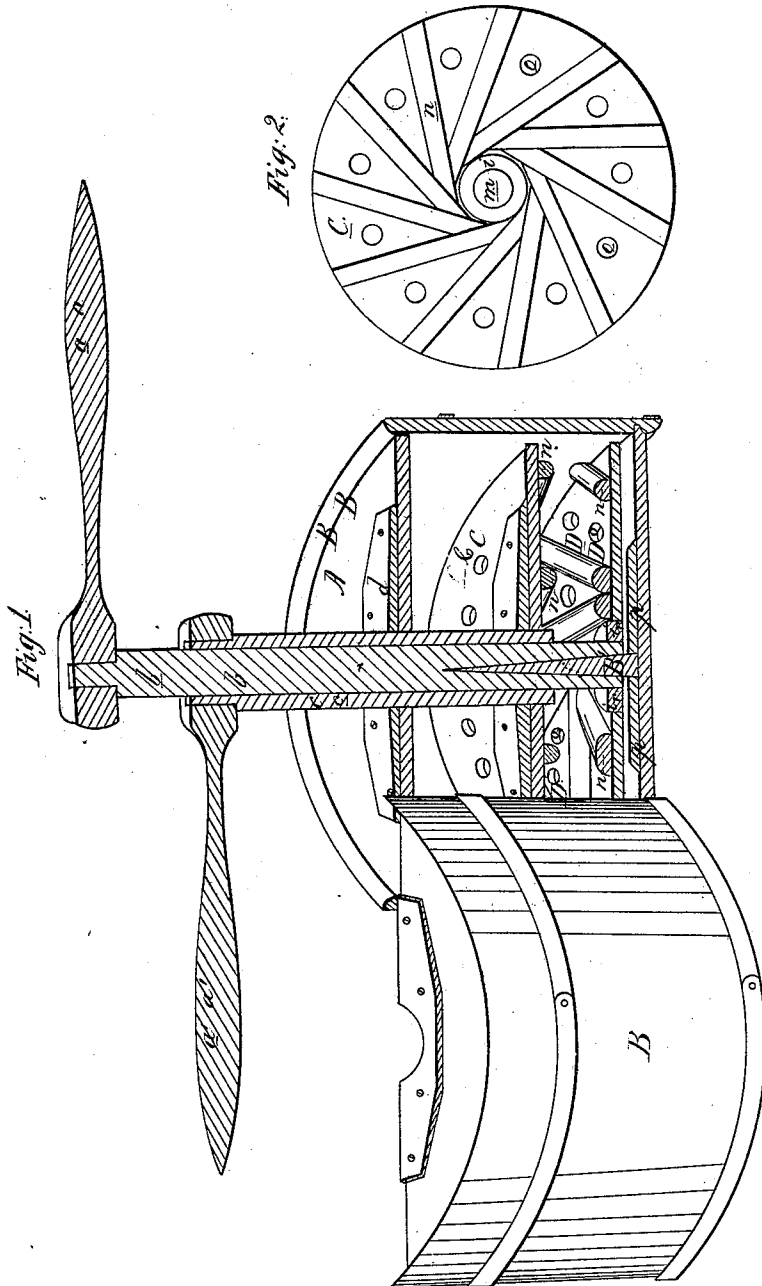


*I. M. Furbish.*

*Washing Mach.*

*N<sup>o</sup> 103,732.*

*Patented May 31, 1870.*



*Witnesses;*  
*E. W. Whitehouse*  
*M. L. Whitehouse*

*Inventor;*  
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# United States Patent Office.

ISAIAH M. FURBISH, OF AUGUSTA, MAINE.

Letters Patent No. 103,732, dated May 31, 1870.

## 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, ISAIAH M. FURBISH, of Augusta, in the county of Kennebec and State of Maine, have invented a new and useful Improvement in Washing-Machine; and do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings and letters of reference marked thereon making a part of this specification, of which—

Figure 1 is a perspective view of a disjointed half of tub and machine.

Figure 2 is a view of the lower surface of disk C.

B B represent disjointed halves of a common wash-tub, having, firmly fastened upon the center of the bottom, standard B, which is held in position by means of shoulders *p p*.

D D is a movable disk having perforations or holes *o o*, and small knuckles or slats firmly fastened to its upper surface, in the form indicated in the drawings.

The disk is firmly fastened to standard *b* at its lower end.

C C represents another disk of similar size, with holes *o o* in its surface, and knuckles or slats *n n* firmly fastened to its lower or under surface, in manner indicated in drawing.

This disk is firmly fastened to the lower end of hollow tube *c*, and is held in proper position, and at right distance from disk *d*, by the projections of tube *c* resting upon a plate, *i*, which plate rests upon shoulders *r r* in revolving standard *b*, in which position it is adjustable and allowed to revolve at ease.

Disk or cover A *a* is immovable, and placed upon the upper surface of the tub, and acts as a cover, with a hole or orifice in its center of sufficient size to allow tube *c* to revolve with ease.

Its object is to hold in position tube *c*, and to prevent the escape of steam and water.

*b* is a standard, of sufficient strength and height,

having a handle or lever, *a*, firmly fastened upon its upper end.

This standard has in its lower end socket *m*, by means of which it is placed upon standard B, and is allowed to revolve with ease. This standard also extends through tube *c*.

*c* is a tube, of sufficient strength and height, having firmly fastened upon its upper end handle or lever *a*.

This tube, resting upon shoulders *r r*, by means of plate *i*, is allowed to revolve at ease.

Thus movable disk D, by its connection with standard *b*, is allowed to revolve with ease, and disk C, by its connection with tube *c*, being held directly over and above disk D when in operation, a double and reversible motion is made to act upon the clothing and material for washing, which is placed between the two disks C and D, which becomes thoroughly cleansed by the action or friction of knuckles or slats *n n n n* in conjunction, caused by the rapid motion of the water and suds passing in and out of holes *o o* and *o o*, while disk C, being movable up and down, allows of such a sufficient friction upon the clothing and material as to cleanse and not wear and tear them.

Having thus fully described my invention, and being aware of a similar invention with a lower fixed disk, which I do not claim,

What I do claim as new and novel, and desire to secure Letters Patent on, is—

The arrangement and construction of the standard B, shaft *b*, and disk D, in combination with cylinder *c*, and disk C, levers *a* and *a'*, and tub B B, as shown and described.

ISAIAH M. FURBISH.

Witnesses:

E. W. WHITEHOUSE,  
M. L. WHITEHOUSE.