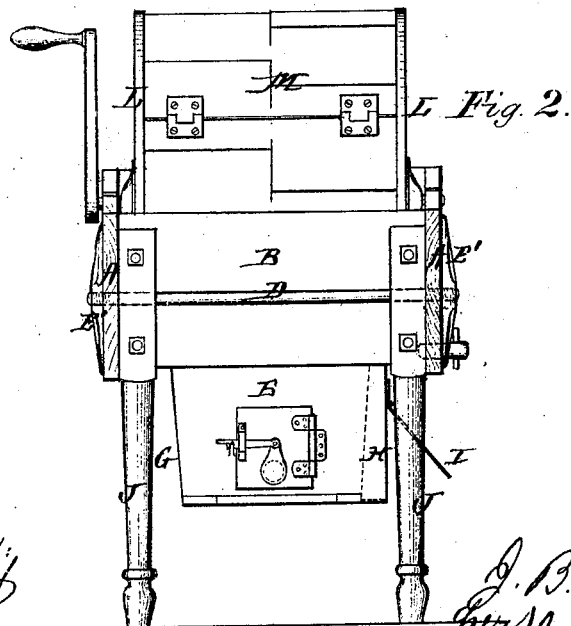
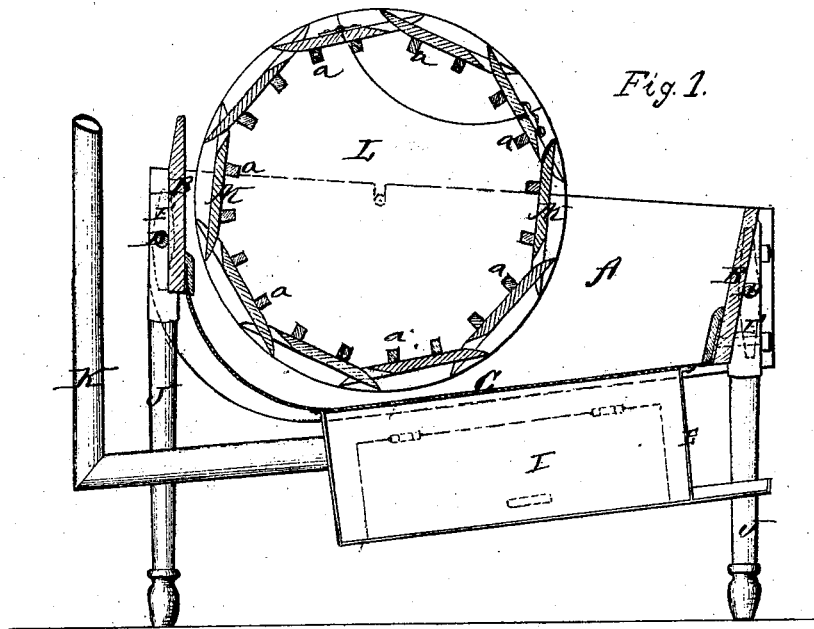


*J. B. Woolsey,*

*Washing Machine.*

*No. 107,431.*

*Patented Sept. 13. 1870.*



*Witnesses:*  
*C. L. Ewert*  
*W. H. Harr*

*Inventor:*  
*J. B. Woolsey*  
*Alexander Mason*  
*Atty.*

# United States Patent Office.

JOHN B. WOOLSEY, OF BLOOMFIELD, IOWA.

Letters Patent No. 107,431, dated September 13, 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, JOHN B. WOOLSEY, of Bloomfield, in the county of Davis and in the State of Iowa, have invented certain new and useful Improvements in Washing-Machines; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon forming a part of this specification.

The nature of my invention consists in the construction and arrangement of a washing-machine, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a longitudinal vertical section, and

Figure 2 is an end view of my machine.

The tub of my machine is constructed as follows:

A A represent the sides, of suitable size, in grooves, on which the end pieces B B are inserted.

Along the lower edges of the sides A A are other grooves, in which the metal bottom C is inserted, the ends of said bottom being suitably secured in the lower edges of the end pieces B B, and the whole firmly fastened together by bolts D D.

At the ends of said bolts are long washers, E E, as shown in fig. 2, which prevent the sides from warping.

Under the bottom C is attached a stove or furnace, E, by means of the metal strap G, for heating the water in the tub, and keeping it at the necessary heat.

On one side of the stove or furnace E is a recess, H, of suitable dimensions for the insertion of flat-irons to be heated.

These irons are placed with their bottoms against the side of the stove, and their handles project, through slots in the cover I, to said recess, which cover is hinged at its upper edge, as shown in the drawing.

The tub A B C, with the stove E, is supported by the legs J J, secured by screws to the end pieces B B.

K is the smoke-pipe leading from the furnace E.

At suitable points in the sides A A are placed the journals of the washing-drum, which is constructed as follows:

The heads L L project beyond the outer circumference of the body of the drum, to prevent the water from slopping out.

The body M of the drum is provided, or, rather, composed of external overlapped beveled slats, forming buckets to take the water up when the drum revolves. The slats of which the body M is composed run in one direction the entire distance around the drum for one-half its length, while for the other half they run in the opposite direction, as shown in fig. 2.

Inside of the drum thus constructed are ribs a a, running in an oblique direction, for the purpose of throwing the water to the center.

A portion of the drum L M is cut off, so as to form a door, which is hinged at one edge, and fastened by buttons, or other suitable devices, at the other edge.

Having thus fully described my invention,

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

1. The combination of the tub A B C with bolts D and washers E, and the drum L M with door and internal oblique ribs a a, all constructed to operate as set forth.

2. The arrangement, under the inclined bottom of the washing-machine box A B C, of the furnace E, with strap G, recess H, and slotted door I, all substantially as set forth.

In testimony that I claim the foregoing, I have hereunto set my hand this 18th day of February, 1870.

J. B. WOOLSEY.

Witnesses:

S. H. GLENN,  
F. M. FENTON.