W. I. CLOUS.

WASHING-MACHINES.

No. 195,803. Patented Oct. 2, 1877.

Fig. 1

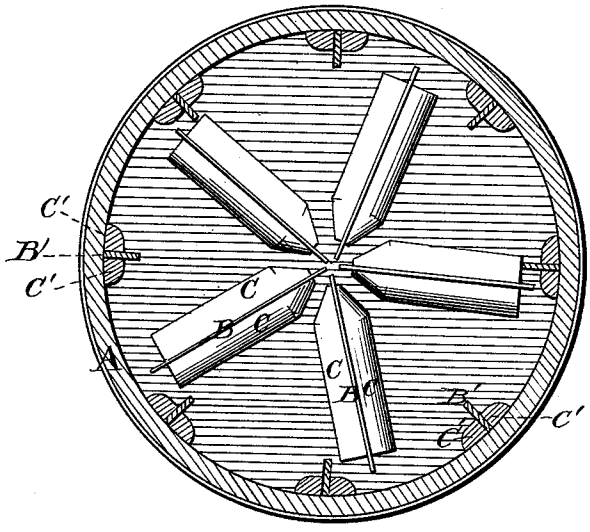
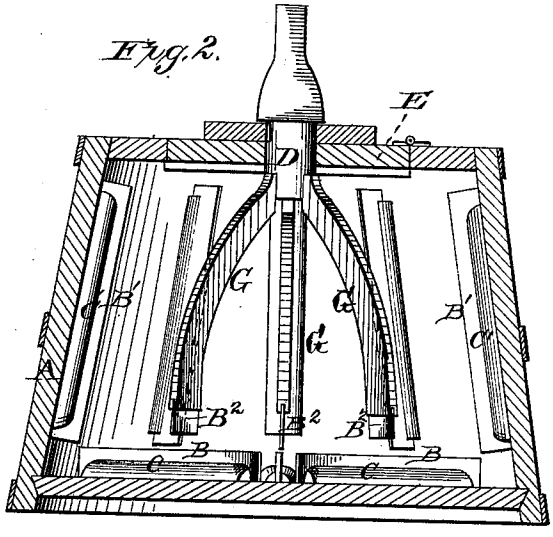


Fig. 2.



WITNESSES

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WILLIAM I. CLOUS, OF READING, PENNSYLVANIA.

IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. **195,803**, dated October 2, 1877; application filed July 10, 1877.

To all whom it may concern:

Be it known that I, WILLIAM I. CLOUS, of Reading, in the county of Berks, and in the State of Pennsylvania, 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 drawings, and to the letters of reference marked thereon, making 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 horizontal section of the washing-tub. Fig. 2 is a vertical section of the washing-machine.

A represents a circular tub of suitable dimensions, made preferably conical—that is to say, it is larger at the bottom than at the top.

On the bottom of the tub A are a number of rubber strips, B, placed edgewise, in radial form, and held by means of wooden cleats C C, fastened to the bottom.

On the sides of the tub A are also placed similar rubber strips B^1 B^1, held by cleats C′ C′, and running from near the top to near the bottom, as shown.

The tub A is partially covered on top, and the remainder is closed by a lid, E, through which passes a central vertical shaft, D. This shaft is provided with a series of arms, G G, curving outward and downward, and provided at their lower ends with rubber strips B^2, as shown.

This shaft, with arms, may be made to rotate by any suitable gearing.

The washing is done, in the usual manner, by rotating the washing device, the clothes being rubbed by and against the strips B B^1 B^2, which, being of rubber or other flexible material, does not tear or otherwise injure the clothes.

These flexible strips can be very easily repaired or renewed when required.

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

The combination of the tub A, the radial strips B, connected to blocks C on its bottom, the side strips B^1, connected to blocks C′, and the vertical center shaft D, with curved arms G, provided at their lower ends with rubber strips B^2, all constructed substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 25th day of June, 1877.

WM. I. CLOUS. [L. S.]

Witnesses:

JAMES R. KENNEY,

J. H. JACOBS.