

T. STUMM.  
Washing-Machine.

No. 159,855.

Patented Feb. 16, 1875.

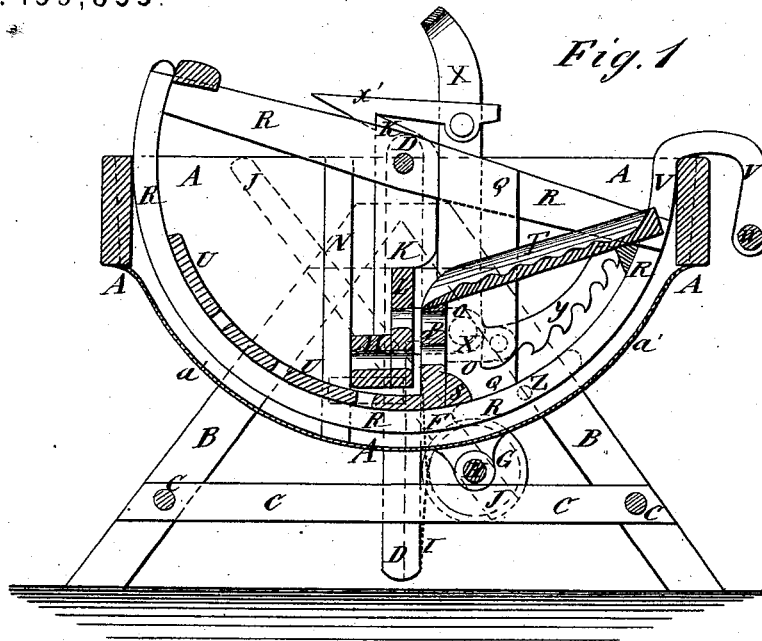


Fig. 1

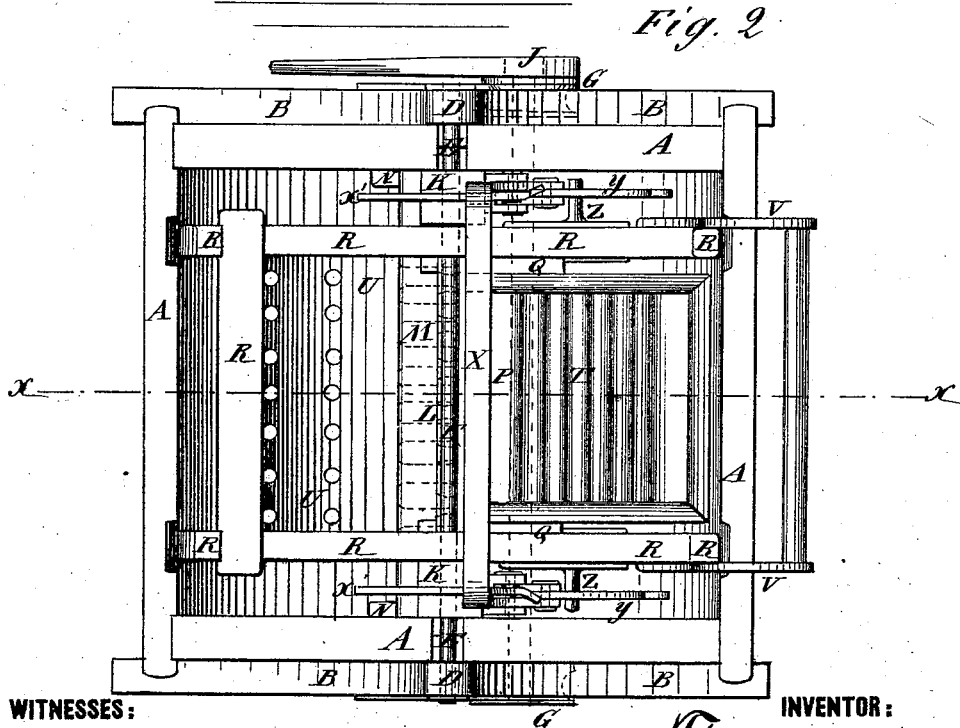


Fig. 2

WITNESSES:  
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BY  
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# UNITED STATES PATENT OFFICE.

THOMAS STUMM, OF ADA, OHIO.

## IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. 159,855, dated February 16, 1875; application filed December 23, 1874.

*To all whom it may concern:*

Be it known that I, THOMAS STUMM, of Ada, in the county of Hardin and State of Ohio, have invented a new and useful Improvement in Washing-Machines, of which the following is a specification:

Figure 1 is a vertical cross-section of my improved machine, taken through the line *x*, Fig. 2. Fig. 2 is a top view of the same.

Similar letters of reference indicate corresponding parts.

My invention has for its object to improve the construction of the washing-machine for which Letters Patent No. 150,494 were granted to me May 5, 1874, so as to simplify its construction, while producing a stronger, more convenient, and better machine.

The invention will first be fully described, and then pointed out in the claim.

A is the suds-box, which is made with vertical sides and ends, and with a semi-cylindrical bottom, *a'*. The suds-box A is supported upon legs B, of such a length as to raise the machine to a convenient height, and which are connected and strengthened by bars C, attached to them beneath the said suds-box A. Upon the outer sides of the middle parts of the ends of the suds-box A are placed uprights D, the upper ends of which project above the upper edges of said ends, and have holes formed through them to receive the ends of the rod or shaft E. The uprights D slide up and down in keepers or guides attached to the ends of the suds-box A. To the middle part of the uprights D are attached the ends of two cords, F, which pass down along the sides of said uprights, pass around, and their other ends are secured to pulleys or drums G, attached to the ends of the shaft H. To the lower ends of the uprights D are attached the ends of two other cords, I, which pass around the pulleys or drums G in the opposite direc-

tion from the cords F, and the other ends of which are attached to said pulleys or drums G. The shaft H works in bearings attached to the ends of the suds-box A, or to the end cross-bars C, or to both. To one of the ends of the shaft H, or to the pulley or drum G attached to said end, is attached the lower end of a lever, J, the upper end of which projects into such a position that it may be conveniently reached and operated by the person using the machine.

By this construction, by moving the free end of the lever J in one or the other direction, the uprights D, and the rod or shaft E and its attachments, may be raised and lowered to raise the clothes out of or lower them into the water.

The lever J is secured in any position into which it may be adjusted by a pin inserted in one or the other of the holes formed to receive it in the legs B. The shaft E passes through holes in the upper ends of the uprights K, which slide up and down in grooves in the inner surface of the ends of the suds-box A. To the lower parts of the uprights K are attached the ends of the dasher-board L, against which the clothes are pressed, and which has numerous holes formed through it to allow the suds to readily escape from the clothes.

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

The combination of the cords F I, the pulleys or drums G, the connecting-shaft H, and the lever J with the vertically-adjustable movable bars D and the oscillating presser or beater frame P, as and for the purpose described.

THOMAS STUMM.

Witnesses:

SAMUEL WATT, JR.,  
JOHN W. MANNING.