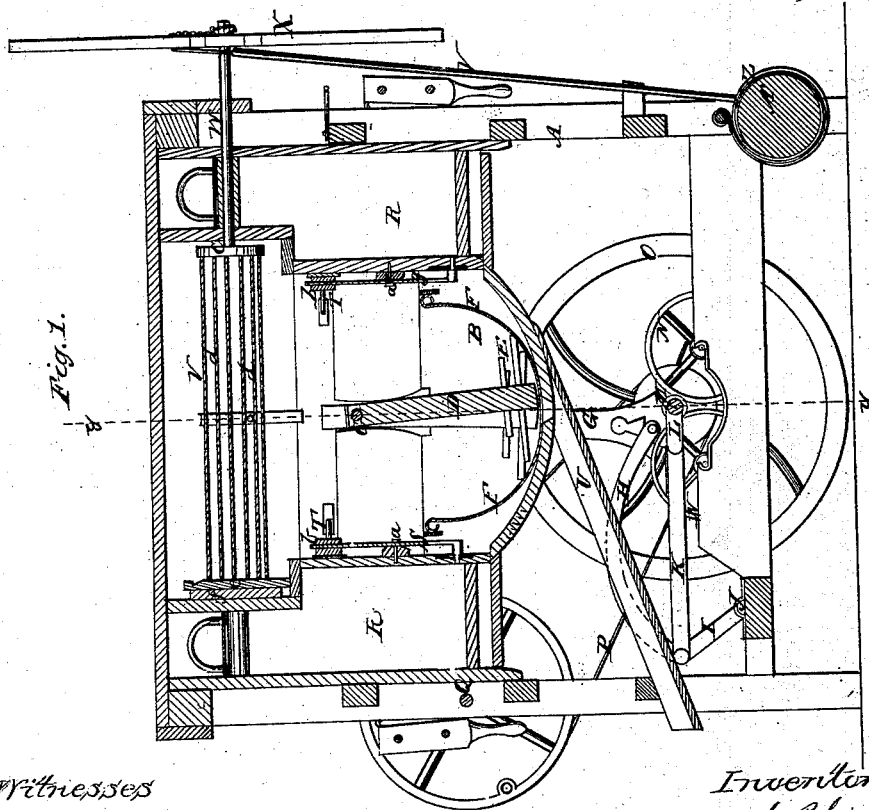
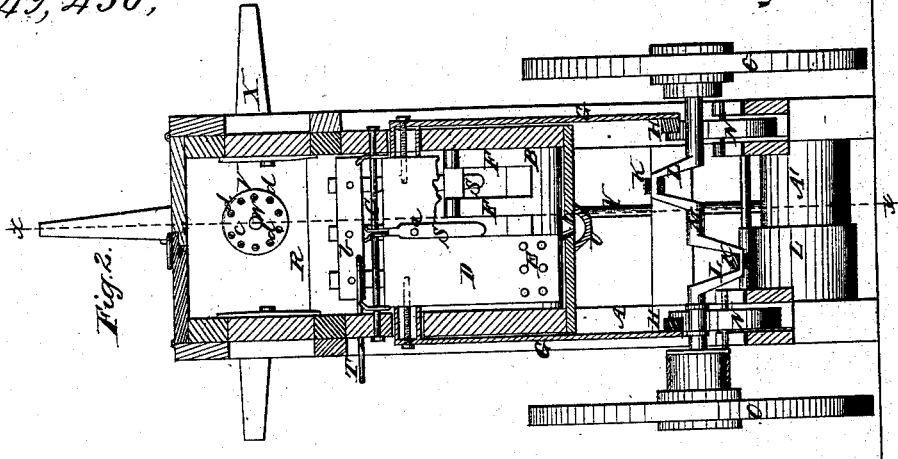


M. Pike,

Washing Machine,

No 49,436,

Patented Aug. 15, 1865.



Witnesses
N. H. Brown
Geo. Turch

Inventor
M. Pike
By [Signature]

UNITED STATES PATENT OFFICE.

MASON PIKE, OF NORTH LEVERETT, MASSACHUSETTS.

WASHING-MACHINE.

Specification forming part of Letters Patent No. 49,436, dated August 15, 1865.

To all whom it may concern:

Be it known that I, MASON PIKE, of North Leverett, in the county of Franklin, and State of Massachusetts, have invented a new and Improved Washing-Machine; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side sectional view of my invention, taken in the line *x x*, Fig. 2; Fig. 2, a transverse vertical section of the same, taken in the line *y y*, Fig. 1.

Similar letters of reference indicate corresponding parts.

This invention relates to a new and improved washing-machine; and it consists in a novel means employed for operating two swinging beaters, whereby the clothes are operated upon in the most perfect manner and with but a slight expenditure of power.

The invention also consists in the employment or use of water-receptacles provided with valves, and arranged in such a manner as to admit of the suds-box being supplied with water as required.

A represents a rectangular framing, in which the suds-box B is placed, the latter having a shaft, C, extending transversely across its upper part, on which two bars, D D, are suspended and allowed to swing freely, said bars having pins E passing through their lower parts. These bars and pins serve as beaters to act upon or against the clothes in the suds-box B, the bottom of the latter being of curved form corresponding to the sweep made by the lower ends of the bars D in their movement back and forth. (See Fig. 1.)

At each end of the suds-box B there are springs, F, of curved form, the clothes being between these springs and the beaters, the former yielding or giving under the action of the beaters on the clothes and rendering the beaters more efficient than they otherwise would be, and at the same time preventing the clothes being subjected to any undue pressure.

Each bar D has a plate, G, extending down from it at the outer side of the suds box, and these plates G are connected at their lower ends by arms H to arms I on rock-shafts J J, which are operated by pitmen K from reverse cranks L on a shaft, M, the latter having its bearings on friction-wheels N N. This shaft M is provided with a fly-wheel, O, at each end,

and said shaft is rotated by a band, P, from a shaft, Q. By this arrangement the beaters are operated with but a very slight expenditure of power.

R R represent two water-chambers, which are placed in the framing A, one at each end of the suds-box B. These chambers are provided at their lower parts with a series of valves, S—three, more or less—which work on pivots *a*, and are connected at their upper ends by bars *b*, to which handles or rods T are attached, the latter passing through one side of the framing. By actuating these handles the valves S may be opened and closed and water let into the suds-box in greater or less quantity, as may be desired. The suds pass out of the suds-box through an inclined spout, V. By this arrangement the water can be admitted to the clothes in greater or less quantity, as may be desired.

V represents a clothes-wringer, composed of a head, *c*, which is fitted on the inner end of a shaft, W, the latter passing through one of the water-chambers R, and having a hand-wheel, X, on its outer end, against which a rod, Y, is made to act or press by means of a coil-spring, Z, on a roller, A', in the lower part of the framing A, to which the rod is attached. To this head *c* one end of a series of cords, *d*, is attached, the opposite ends of said cords being secured to a plate, *e*, fitted in a cross-bar, *f*, by the inner side of the opposite water-chamber, R. The cords *d* are arranged in the form of a tube or hollow cylinder, in which the clothes to be wrung are placed, and the rod Y, which is acted upon by the spring Z, has a tendency to keep these cords at a proper tension. By turning the hand-wheel X the clothes within the cords will be twisted and the moisture expressed from them.

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

1. Operating the swinging beaters D by means of the pendent plates G, connected by arms H to rock-shafts I, which are actuated by pitmen K from reverse cranks L on a shaft, M, substantially as and for the purpose set forth.

2. The water-chambers R R, provided with valves S, and arranged in relation with the suds-box B, substantially as and for the purpose specified.

MASON PIKE.

Witnesses:

TIMOTHY B. RICE,
CALVIN LEONARD.