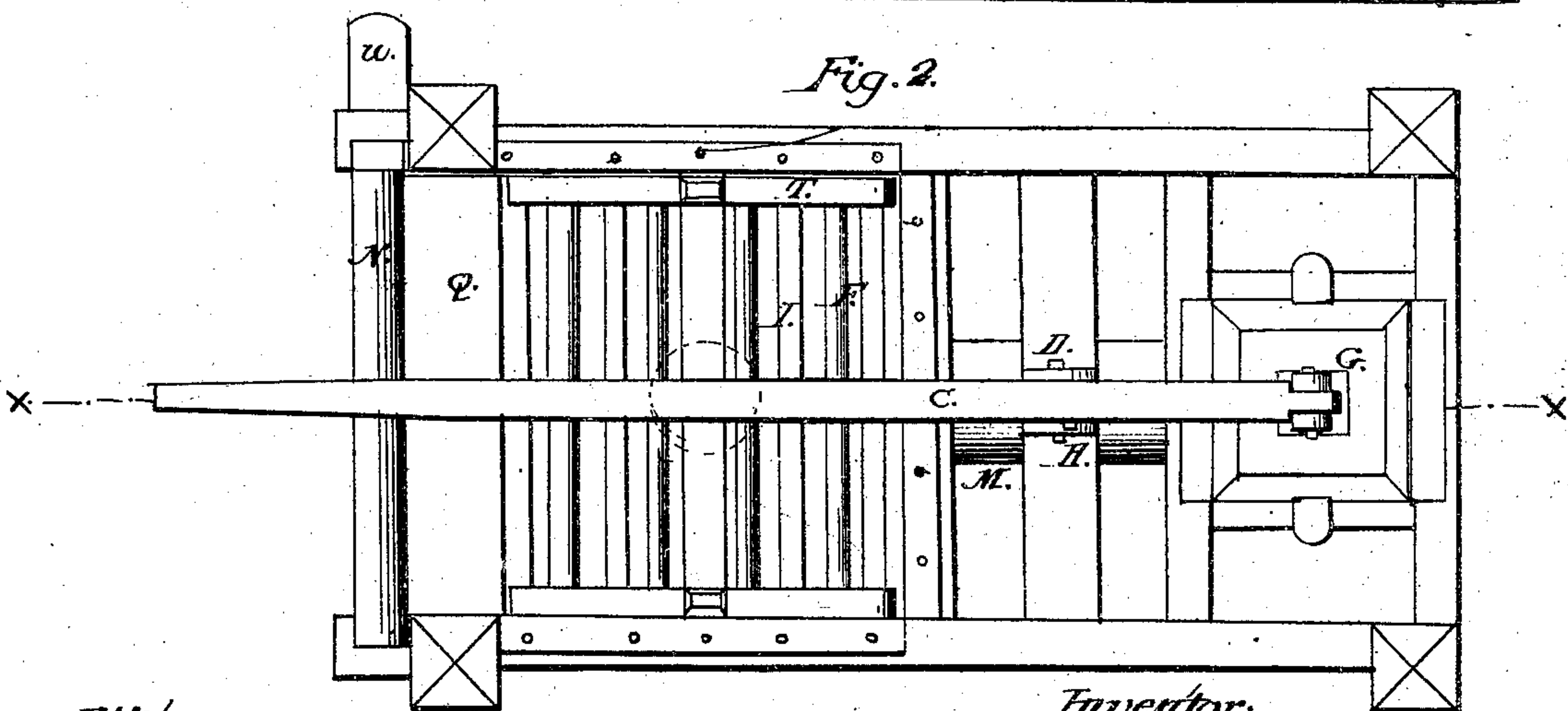
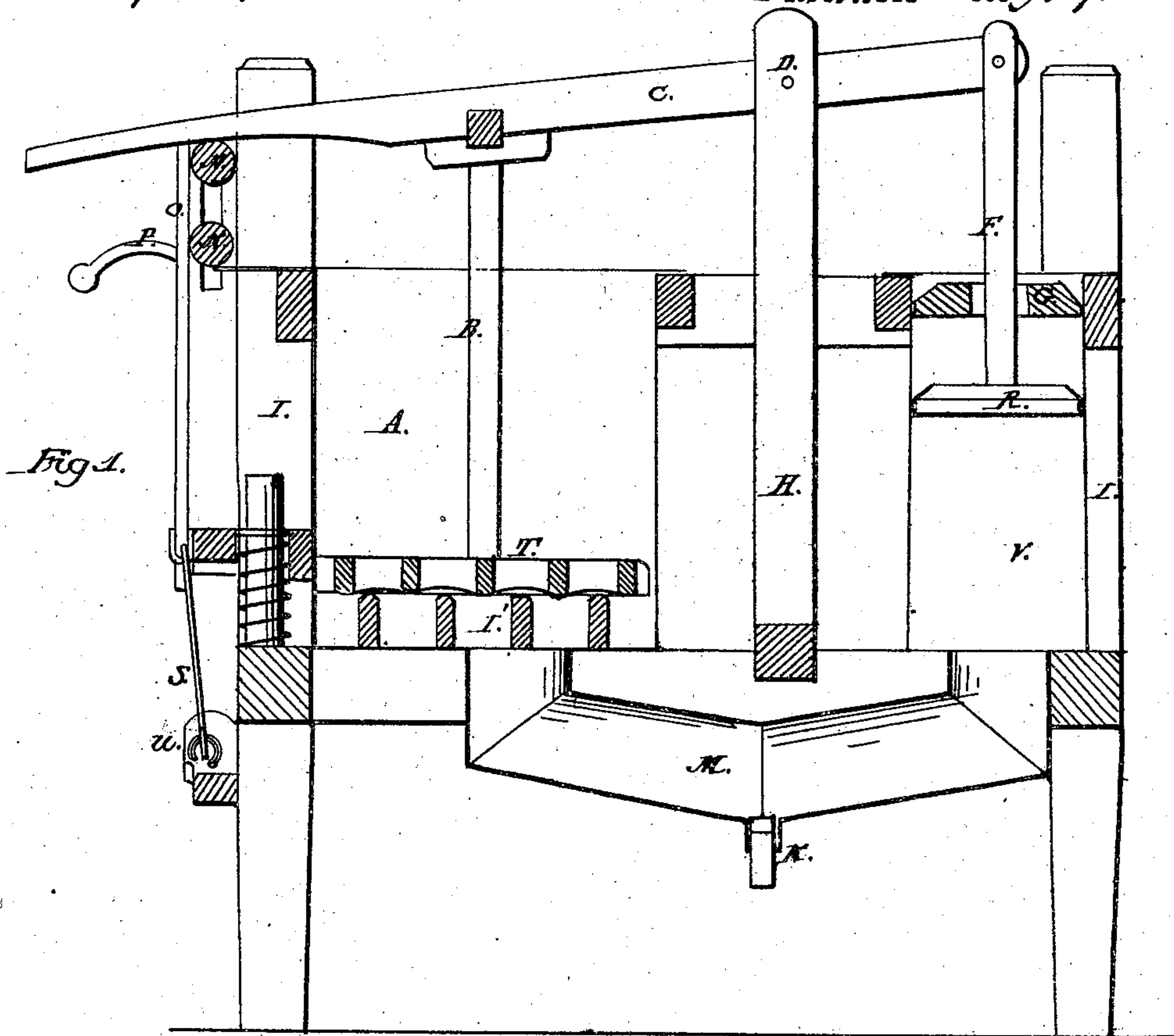


*J. C. Deinger,*  
*Washing Machine.*

*No. 93812.*

*Patented Aug. 17. 1869.*



*Witnesses:*

*G. A. Pettit*  
*F. C. Remond*

*Inventor:*

*J. C. Deinger*  
*Attorney.*



# United States Patent Office.

DAVID C. DELINGER, OF DECATUR, OHIO.

Letters Patent No. 93,812, dated August 17, 1869.

## IMPROVEMENT IN 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, DAVID C. DELINGER, of Decatur, in the county of Brown, and State of Ohio, have invented a new and improved Washing-Machine; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a longitudinal vertical section.

Figure 2 is a top view.

This invention consists in providing a washing-machine with two receptacles, one for water alone, and the other for water and clothes, said receptacles being connected by a pipe, so that water may be forced from one receptacle to the other and back again, to effect the more thorough cleansing of the clothes; also, in an improved apparatus for throwing the water from one receptacle to the other, and, at the same time, washing the clothes.

In the drawings—

I I represent the frame-work of the machine, which frame supports two boxes, A and V, connected by means of a tapering pipe, M, the larger end of which opens out of the centre of the bottom of the box V, and the smaller end opens similarly out of the box A.

K is a tube, opening out of the lowest point of the pipe M.

H is a post, bedded in the frame I, between the boxes A and V.

C is a lever, working on a pivot, D, placed across the top of the post H, and confined in said post by means of a spring, resting in a groove in the pin.

B is a frame, connecting the lever C with a washer, T, in the box A.

I' is a washer, resting on the bottom of the box A, under the washer T.

F is a rod, pivoted to the end of the lever C, directly over the box V, passing down through the lid G, and made fast to piston R, within the box V.

Q is an apron, projecting from the outer end and upper side of the box A, and passing under the rollers N N, the upper one of which is placed in a sash, O, which rests on a spring, and slides in guide-ways L L, and is operated by a treadle, U, connected by a strap, S, with the sash.

The lower roller N is operated by a crank, P.

The operation of the machine is as follows:

The pivot D is removed and the lever C lifted up, so as to withdraw the washer T from the box A, and the piston R and lid G from the box V.

Water is then introduced, which rises to the same height in both boxes.

The clothes are then put in over the washer I' in the box A, and the lever, with the washer T, piston R, and lid G, is replaced.

The washer T is then to be depressed upon the clothes, forcing them down upon the washer I', and expelling the water from the box A, which at once enters the box V, following the piston R as the latter rises.

The piston R is then, in its turn, depressed, forcing water and air before it, back into the box A, through the pipe M. The latter growing smaller, as it approaches the box A, the water and air issue out of its mouth into the box A with accelerated velocity, and the air inflates the clothes, which thereupon rise to the top of the water in the box A.

The operation is then repeated, by moving the lever C up and down until the clothes are completely cleansed.

Then the operator, with the left hand, may pass the clothes between the wringers N N, with the right hand turn the crank, and, with the foot on the treadle, draw the wringers together.

After the clothes are all out of the box A, the water may be let off by removing the plug K.

Having thus described my invention,

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

The arrangement and combination of the two vessels A V, frame I, standard H, lever C, rod F, piston R, rod B, movable washer T, and fixed washer I', each constructed as described and shown, with the bent pipe M extending under said vessels A V, from the bottom of one to that of the other, and provided at its lower angle with a stopper, K, the several parts being constructed to operate in connection with each other, and combined with the wringer herein described, as and for the purposes specified.

DAVID C. DELINGER.

Witnesses:

JOHN W. THOMPSON,  
WM. STEVENSON.