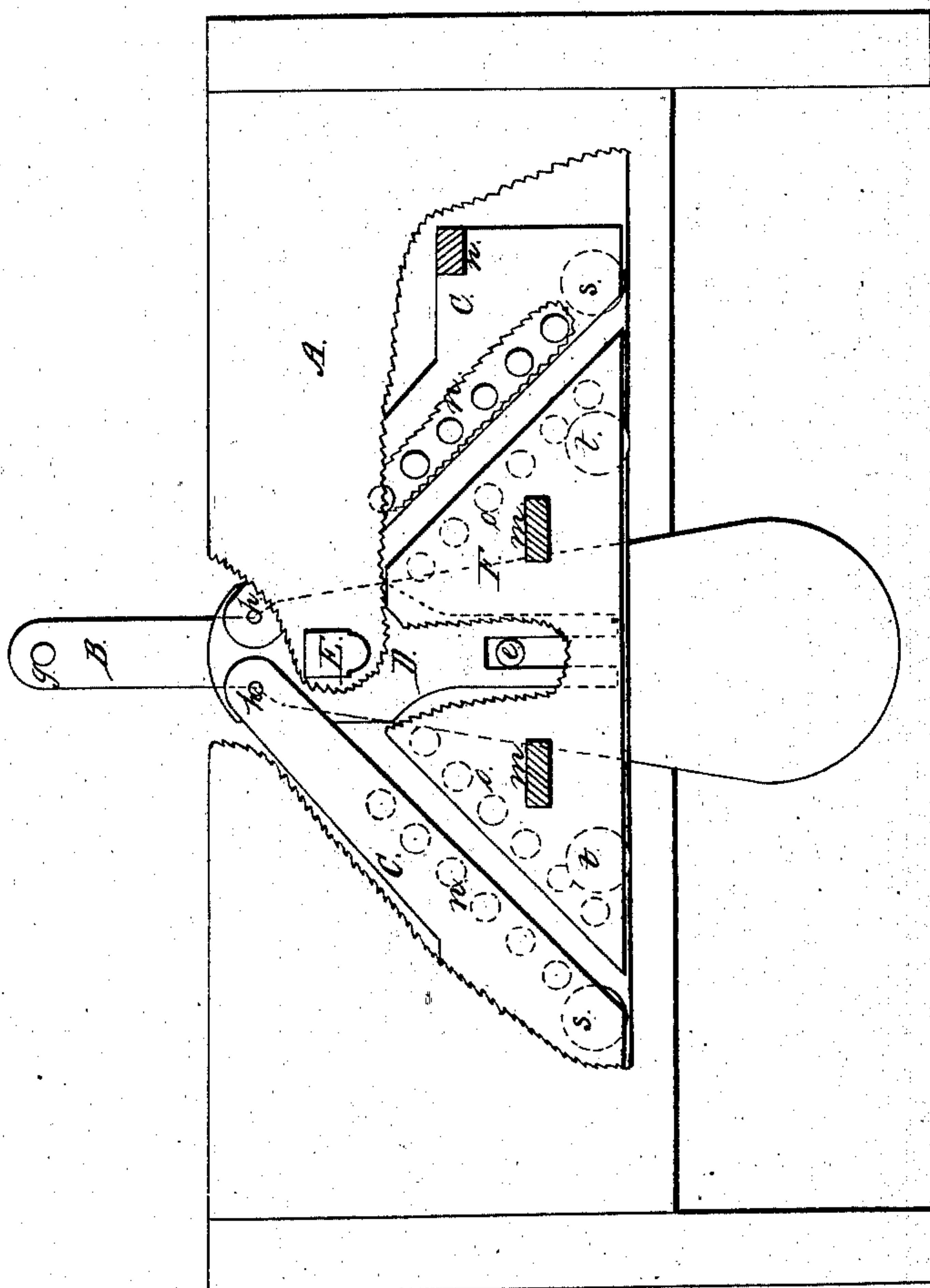


*L. L. Newman,  
Washing Machine Pounder.*

*Nº 60,410.*

*Patented Dec 11, 1866.*



*Witnesses;  
Martin Brabee,  
Levi Wenger.*

*Inventors,  
Barton Pickering,  
Att'y for,  
L. L. Newman.*



# United States Patent Office.

## IMPROVED WASHING-MACHINE.

L. L. NEWMAN, OF JACKSON, MICHIGAN, ASSIGNOR TO HIMSELF AND A.  
C. ZEARING, OF DAYTON, OHIO.

Letters Patent No. 60,410, dated December 11, 1866.

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, L. L. NEWMAN, of Jackson, in the county of Jackson, and State of Michigan, have invented a new and useful machine, entitled a 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 annexed drawings, making a part of this specification, in which—

The Figure is a side view of the washing machine with portions cut away to show the internal parts.

A represents a quadrangular box with a portion of the side cut away; and at E is shown the orifice through which the square shaft is passed through the side of the box, the rounded part of the shaft resting in the circular part of the orifice; and at the opposite side of the box is a circular bearing for the shaft; to this shaft, external to the box, is attached the arm B, the lower end of which is made large to increase the weight, which serves to regulate the motion; and to the top of this arm is a handle, g, to which the power is applied. The shaft passes through the pieces D on either side of the machine; and near the top of these pieces are jointed to them the rails C C, two on each side. These rails are fastened together by the cross-bars r; near the lower ends are secured large rollers, s, which rest on the bottom, and a series of smaller rollers, n n, which several rollers extend from side to side. On the right of the figure a portion of the rail is cut away to show the rollers; the rollers are otherwise shown by dots. F represents a side-board, which, with the corresponding board on the opposite side, is attached together by the cross-bars m m; this forms a frame which supports the rollers o o; and near the bottom of this frame are rollers, s s, which, resting on the bottom, give support to the frame and rollers. Near the centre of this frame is a rod, e, which works within a slot of the piece D, and by which motion is given to the frame. The cross-bars, r, should be weighted to give sufficient pressure against the clothing while being washed, or a spring may be used for the purpose.

### Operation.

After the suds are put into the box, the part C on either side is raised, and the articles to be washed are put on the surfaces of the rollers of the part F; the part C is then lowered, resting against the articles. The hand being applied to the arm B, the two sets of rollers on either side are brought together, or, rather, made to approach each other alternately, pressing and rubbing the clothing between them. The movement is such that when the outer set of rollers approaches the inner, the outer raises somewhat on the inner rollers, which movement revolves the clothing slightly on each movement of the arm.

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

The combination of the parts C C and F with their several rollers, pieces D, the shaft, and box A, when arranged and operated substantially as described.

L. L. NEWMAN.

Witnesses:

W. N. BUCK,  
H. WAKEMAN.