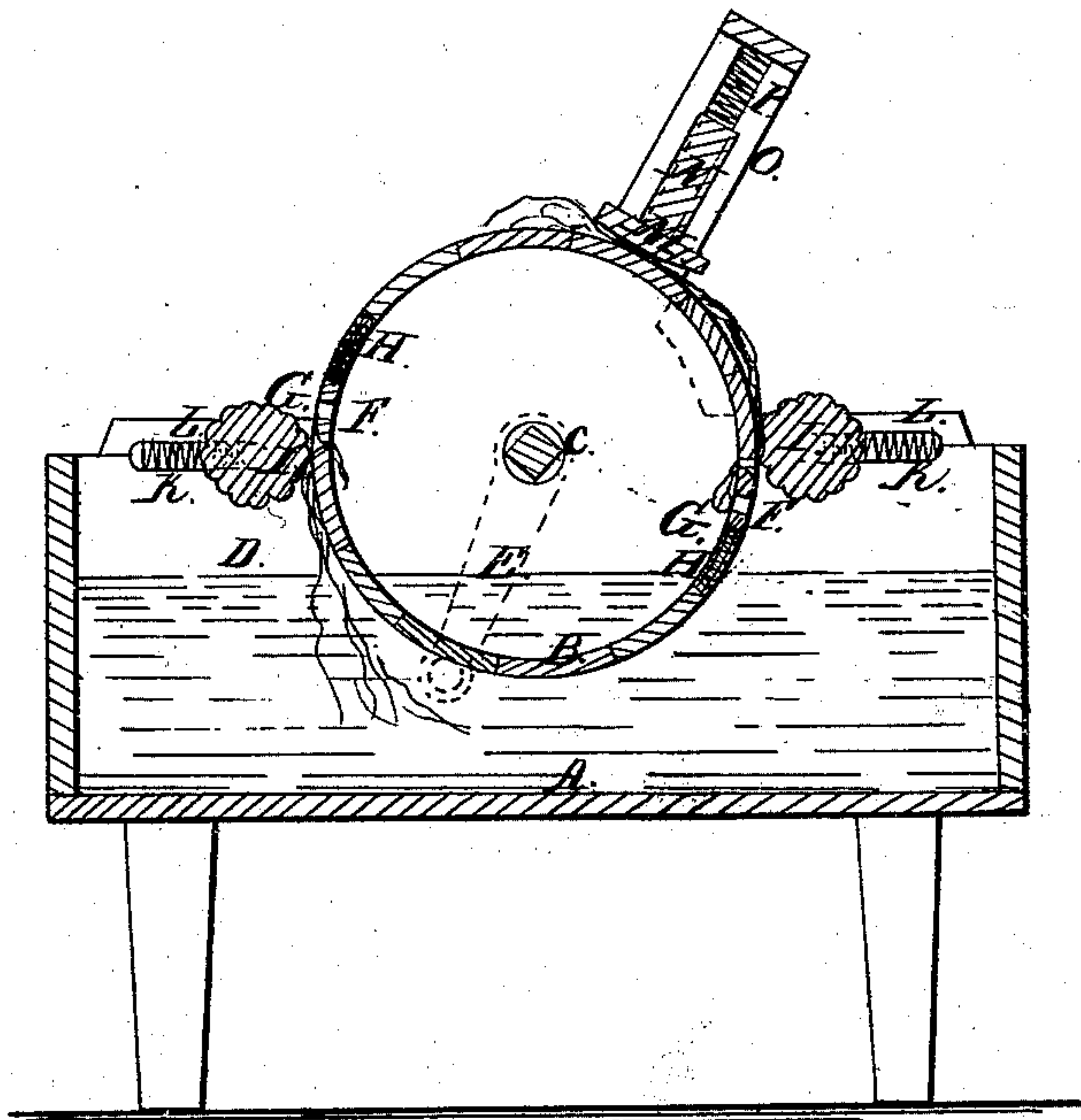


*H. W. Driver,*

*Washing Machine.*

*N<sup>o</sup> 70,178.*

*Patented Oct. 29 1867.*



*Witnesses.*

*Thos. Truett  
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# United States Patent Office.

HENRY W. DRIVER, OF HAVANA, ILLINOIS.

*Letters Patent No. 70,178, dated October 29, 1867.*

## IMPROVED 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, HENRY W. DRIVER, of Havana, in the county of Mason, and State of Illinois, have invented a new and useful Improvement in Washing Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

The washing machine embraced in the present invention is formed of a box or receptacle for the water or other cleansing liquid used, through which a cylinder or drum carrying the garment or material to be washed is arranged to pass, by being revolved, and such garment, after issuing from the said water, then subjected to a rubbing operation by and through a roller or rollers arranged to act thereon, and a rubbing-board or boards properly located therefor, all of which are susceptible of exerting a yielding or elastic pressure. In the accompanying plate of drawings a washing machine made according to the present invention is illustrated, the figure being a transverse vertical section through the same.

A, in the drawings, represents the water-box or receptacle, made of any suitable dimensions or width, length, and height; B, a drum, hung by a journal, C, at each end, to turn in bearings of the box A, upon each side board thereof, and in being turned to pass around through the water in the box A. E is a crank or winch-handle, secured to one journal of cylinder or drum B, for convenience in turning it. This drum B is made hollow, and at two points, F, diametrically opposite to each other otherwise, is cut out along its length for receiving a slot, G, in each case, that, through spiral springs H, properly applied, enables the garments to be washed to be hung and fastened to the outside of the drum, for being carried through the water in the tank H. I, two fluted rollers, hung in the side boards to the box A, in position to bear against the periphery of the drum B, as it revolves. The journals to these rollers I are arranged in slots K of the side boards, so as to have a lateral play thereon, and are acted upon by spiral springs, L, properly applied for exerting or yielding pressure. M, a rubbing-board, arranged by its back piece, N, to play in the arms O, attached to the side boards of the box A, wherein it is acted upon by spiral springs P. This rubbing-board presses and rubs against the drum B, as it revolves.

From the above description of the construction of my improved washing machine it is obvious, if the clothes to be washed are secured to the cylinder, and then it revolved or turned, such clothes will be carried through the water in the box, and from thence between the fluted roller upon one side of the same and the rubbing-board, and down again into the water, passing between the other fluted roller and the cylinder, whereby they are enabled to be washed and cleansed as desired. By reversing the direction in which the drum is turned, the clothes will be subjected to the rollers and rubbing-board upon a different side, as is obvious.

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

The drum B, rollers I I, and rubbing-board N, when arranged in connection and combination with each other, substantially as and for the purpose described.

The above specification of my invention signed by me this 30th day of July, 1867.

HENRY W. DRIVER.

Witnesses:

JOHN M. SHARROCK,  
L. H. WARNER.