

(No Model.)

H. J. PAARMANN.  
WASHING MACHINE.

No. 573,349.

Patented Dec. 15, 1896.

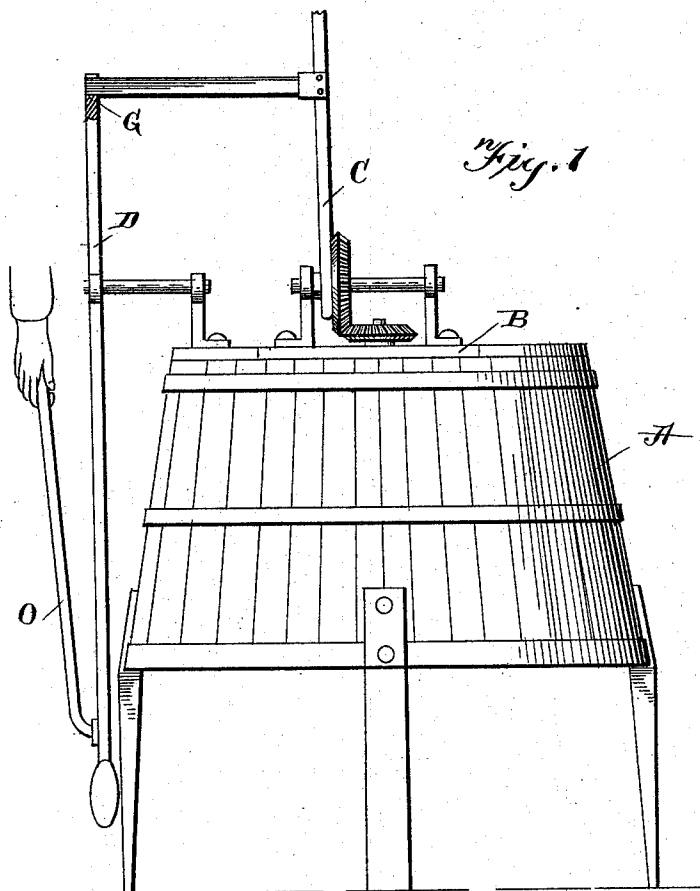
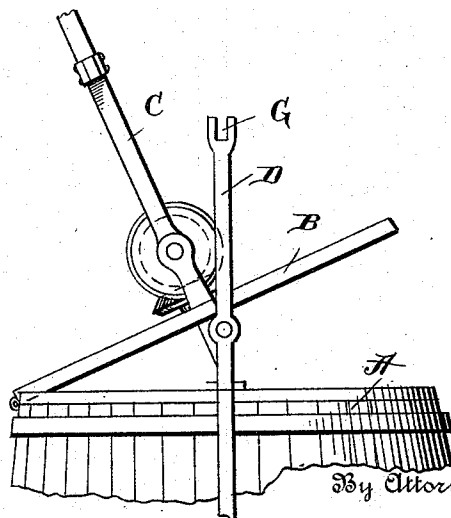


Fig. 2.



Witnesses  
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# UNITED STATES PATENT OFFICE.

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## WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 573,349, dated December 15, 1896.

Application filed February 28, 1896. Serial No. 581,161. (No model.)

*To all whom it may concern:*

Be it known that I, HANS J. PAARMANN, a citizen of the United States, residing at Davenport, in the county of Scott and State of Iowa, have invented certain new and useful Improvements in Mechanisms for Operating Washing-Machines; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to an improvement in mechanisms for operating washing-machines; and it consists in a horizontal rod which is rigidly secured at one end to the lever which operates the reciprocating rotary stirrer, combined with a weighted rod journaled upon one side of the machine and beyond the edge of the cover, and which rod has made in its upper end a recess to receive the outer free end of the horizontal rod, which catches in the recess when the cover is closed and the machine is ready for operation, but which rod is raised out of the recess when the cover is raised, as will be more fully described hereinafter.

The object of my invention is to provide a reciprocating rotary washing-machine with a weighted lever, which is journaled to one side of the cover and which can be connected to the operating mechanism when the machine is ready for washing and disconnected therefrom when the cover is to be raised, so that the cover will not be impeded by the heavy weight.

In the accompanying drawings, Figure 1 is a side elevation of a washing-machine to which my invention is applied. Fig. 2 is a perspective of the operating-lever, the rod extending therefrom, and the upper end of the weighted rod.

A represents the body of the washing-machine, which is provided with the cover B and upon which is mounted the lever C, by which the operating parts are operated in the usual manner. As there is nothing new in this portion of the machine, no further description thereof is needed.

Journaled in a suitable bearing, which is

secured to the top of the body A to one side of the cover, is the weighted pivoted lever D, which has its upper end to project any desired distance above the top of the body A. In the upper end of this weighted rod D is formed a suitable recess G, in which the free end of the rigid rod, secured at one end to the operating-lever C, is made to catch when the machine is in operation. The pivots of the weighted rod and the operating-lever C being in a line with each other when they are connected by the rigid rod move in unison, and the swing of the weighted rod assists in operating the machine.

As the weighted rod would make the cover very heavy and clumsy to raise, it becomes necessary to pivot it to one side of the cover and then to devise a means for connecting this weighted rod to and disconnecting it from the lever, according as the machine is to be operated or the rod is to be thrown out of operation, so as to permit the cover to be raised. For this purpose the rod is rigidly connected at one end to the lever C, and the weighted rod is provided with a recess in its top, in which the outer free end of the rigid rod is made to catch when the cover is closed. When the cover is to be raised, the very act of raising it lifts the rigid rod out of the recess in which its end has caught, and then the weighted rod swings free while the cover is raised by means of the operating-lever.

To the lower weighted end of the rod is attached a rod O, by means of which the weighted end of the rod is made to swing back and forth and thus operate the machine. This weight being suspended far below the operating-pivots, its momentum is such that it is only necessary to keep the weight in motion to operate the washing-machine, and this motion can be kept up by a mere child.

By making the weighted rod detachable from the operating-lever a washing-machine is produced which can be readily operated by a small child, and yet will allow the cover to be raised to give access to the interior of the body as freely as can be done with other machines of this class.

Having thus described my invention, I claim—

1. In a washing-machine, an operating-lever pivoted upon the cover, combined with a

weighted pivoted rod, which is journaled beyond the cover but arranged to swing in unison with the lever, and which has its upper end to project above the top of the body of the washing-machine, and a means for connecting the rod and the lever while the machine is in operation, but which lever and weighted rod are adapted to be disconnected when the cover is to be raised, substantially as described.

2. In a washing-machine mechanism, an operating-lever pivoted upon the cover, combined with a weighted pivoted rod, journaled beyond the cover, and arranged to swing in unison with the lever, its upper end projecting

above the top of the body of the machine, and means for connecting the rod and the lever while the machine is in operation; the rod O, attached to the weighted end of rod, and by which the machine is operated; the lever and the weighted rod being adapted to be disconnected when the cover is to be raised, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

HANS J. PAARMANN.

Witnesses:

OTTO CLAUSEN,  
T. A. MURPHY.