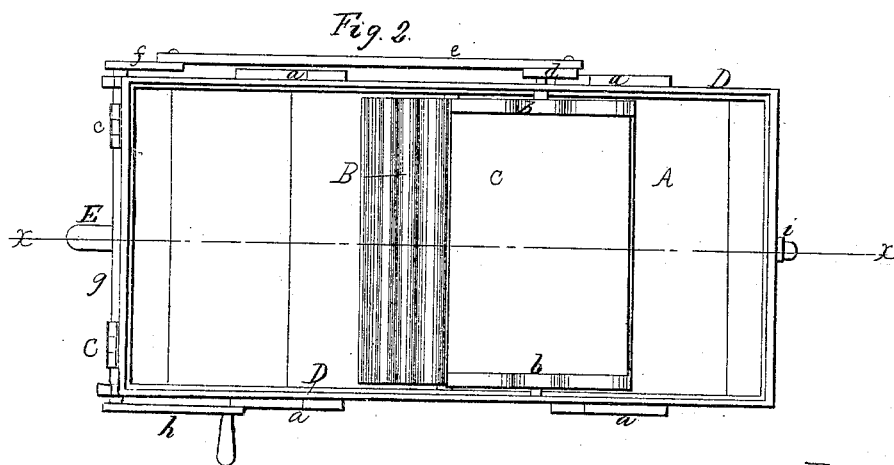
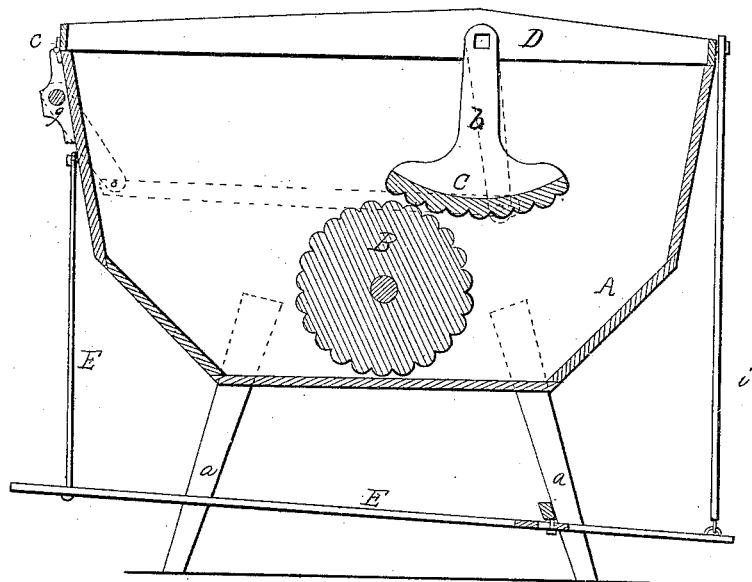


*A. C. Gallahue,*  
*Washing Machine,*  
*N<sup>o</sup> 51,304* *Fig. 1. Patented Dec. 5, 1865.*



Witness  
*E. L. Topliff*  
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Inventor  
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*Atty*

# UNITED STATES PATENT OFFICE.

A. C. GALLAHUE, OF DOVER PLAINS, NEW YORK.

## WASHING-MACHINE.

Specification forming part of Letters Patent No. 51,304, dated December 5, 1865.

*To all whom it may concern:*

Be it known that I, A. C. GALLAHUE, of Dover Plains, in the county of Dutchess and State of New York, have invented a new and Improved Clothes-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 longitudinal vertical section of my invention taken in the line *x x*, Fig. 2; Fig. 2, a plan or top view of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new and improved clothes washing-machine of that class in which a swinging pressure-segment is used for producing the necessary rubbing and friction.

The invention consists in a novel arrangement of a swinging pressure-segment and a fluted roller, as hereinafter fully shown and described, whereby clothes may be washed and thoroughly cleansed from dirt without injuring them, and with but a moderate expenditure of time and labor.

A represents a suds-box, supported at a suitable height by legs *a*, and having within it a transverse horizontal roller, B, provided with a fluted or corrugated periphery. This roller B just clears the bottom of the suds-box.

C represents a segment which is above the roller B, and is suspended by arms *b b* from a frame, D, placed on the suds-box, and connected at one end to the same by a joint, hinges, or flexible substance, as shown at *c*. This segment is allowed to swing freely back and forth within the suds-box, and the journal of one of the arms *b* extends through the side of frame D, and has a pendant, *d*, attached, the lower end of which is connected by a rod, *e*, with a crank, *f*, at one end of a shaft, *g*, which is placed

at the exterior of the front end of the suds-box, and has a crank, *h*, at its opposite end for turning it. The free or disengaged end of the frame D is connected by a rod, *i*, with a treadle, E, under the suds-box, the outer end of the treadle having a spring, F, attached to it, which has a tendency to keep the segment C down upon the fluted roller.

The operation is as follows: The box A is supplied with a requisite quantity of suds, and the clothes to be washed are placed between the roller B and the segment C. The shaft *g* is then turned and a swinging motion communicated to the segment through the medium of the crank *f*, rod *e*, and pendant *d*. The clothes are subjected to the requisite degree of pressure and rubbing or friction between the segment and roller, and the pressure may be regulated as desired by the action of the foot upon the treadle E, and the clothes worked back and forth between the segment and roller until thoroughly cleansed, and by raising and lowering the segment at the proper time moved more or less forward or backward between the segment and roller, as may be required, in order to have all parts of the clothes acted upon.

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

1. The fluted or corrugated roller B, in combination with the swinging segment C, when the latter is attached to or suspended from a hinged frame, D, connected with a spring, F, through the medium of a treadle, E, substantially in the manner as and for the purpose set forth.

2. Operating the swinging segment C through the medium of the pendant *d*, rod *e*, and crank *f* on the shaft *g*, at the front end of the suds-box A, substantially as described.

A. C. GALLAHUE.

Witnesses:

ROBERT B. RYAN,  
N. KETCHAM.