

S. T. Vallett,

Washing Machine,

N^o 29021.

Patented July 3, 1860.

Fig. 1.

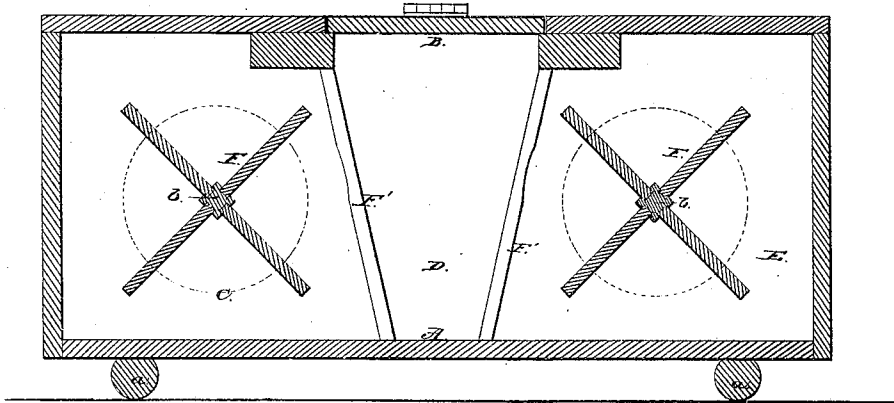
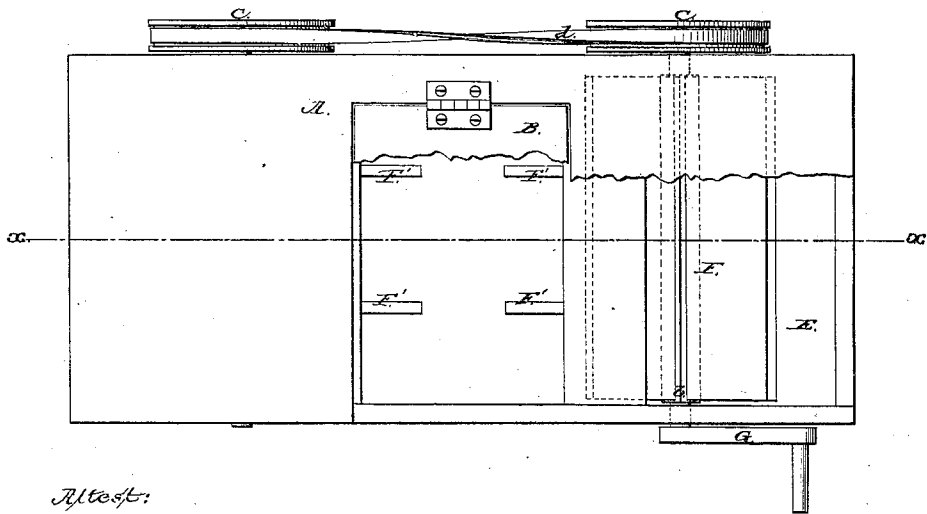


Fig. 2.



Attest:

*R. S. Spence
J. W. Crowley*

Inventor:

*S. T. Vallett
per *Wm. H. G.*
Attorneys*

UNITED STATES PATENT OFFICE.

SILAS T. VALLETT, OF PROVIDENCE, RHODE ISLAND.

WASHING-MACHINE.

Specification of Letters Patent No. 29,021, dated July 3, 1860.

To all whom it may concern:

Be it known that I, SILAS T. VALLETT, of Providence, in the county of Providence and State of Rhode Island, 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 same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 represents a longitudinal vertical section of this invention, the line *x, x*, Fig. 2, indicating the plane of section. Fig. 2 is a plan or top view of the same with a portion of the top removed.

Similar letters of reference in both views indicate corresponding parts.

This invention consists in arranging in the interior of a tub or box, a central slatted clothes chamber, in combination with two fans revolving in opposite directions, for the purpose of agitating the water and forcing it through the clothes, thereby cleaning the same in a quick and easy manner and without the least injury to the fabric.

To enable those skilled in the art to fully understand and use my invention, I will proceed to describe its construction and operation with reference to the drawing.

A, represents a tub or box of rectangular form made of wood or any other suitable material and supported, if desired by legs *a*. Its top is provided with a hinged cover B, which gives access to the interior of the box, and through which the clothes and the water are introduced. When done washing the water is drawn off through a suitable opening in the bottom or at the lower part of one of the sides of the box A, and the clothes are taken through the same opening, through which they are introduced.

The interior of the box is divided into three compartments C, D, E, by means of two slatted inclined partitions F', extending from the top of the box down to its bottom,

on either side of the cover B, as clearly shown in Fig. 1. The center compartment D, forms the clothes chamber, and each of the two other compartments contains a fan-wheel F, rotating on a shaft *b*. Secured to the ends of the shaft *b*, are the pulleys *c*, which connect by a belt *d*, and this belt *d*, is twisted so that the motion of one fan is in a direction opposite to that of the other. A rotary motion is imparted to the fans by means of a crank G, or in any other desirable manner.

In order to use this machine, the box A, is filled with water to about one third ($\frac{1}{3}$) of its height more or less and the clothes are introduced into the central chamber D, and a rotary motion is imparted to the fans F. By this action the water is thrown violently against the clothes, and through them and the latter are thoroughly cleaned in a short time, without rubbing or squeezing and without the least injury to the material.

The finest fabric can be washed with this machine, as well as the coarse stuff, and the manual labor required to operate my machine is very easy when compared with the labor required by other machines for the same purpose or by hand washing.

My machine is very simple, it can be made cheap, it is easily understood and all its parts are so constructed, that they cannot easily get out of repair; so that the same can be well recommended, to every housekeeper.

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

The arrangement in the interior of the tub or box A, of the central slatted clothes chamber D, in combination with the revolving fans F, constructed and operating as and for the purpose specified.

SILAS T. VALLETT.

Witnesses:

ROBERT THOMPSON,
LYCURGUS SAYLES.