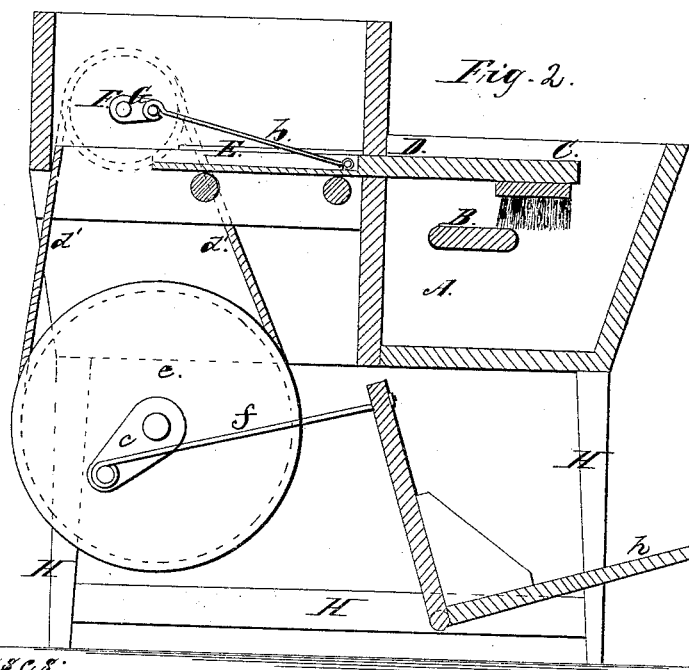
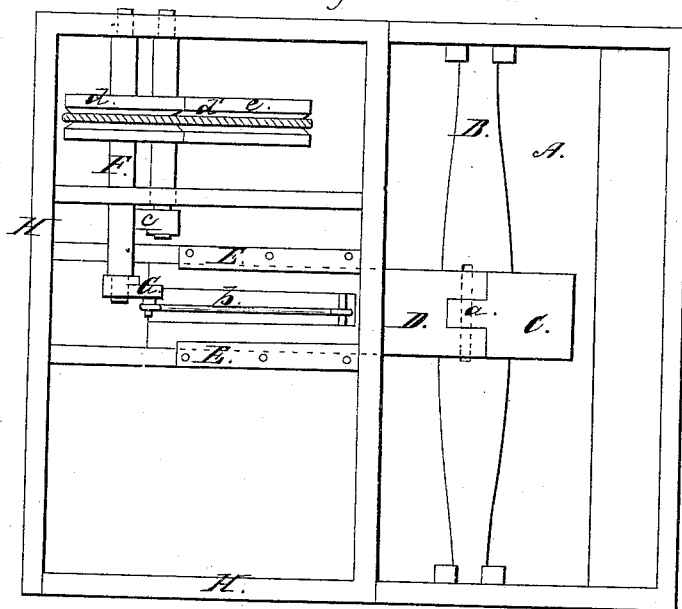


D. R. & J. T. Leighton,

Washing Machine,

No 51,199.

Fig. 1. Patented Nov. 28, 1865.



Witnesses:
J. L. Newton
E. J. Troth

Inventor:
Dominicus R. Leighton
Johnes, P. Leighton

UNITED STATES PATENT OFFICE.

DOMINICUS R. LEIGHTON AND JAMES T. LEIGHTON, OF CAMBRIDGE, MASS.

WASHING-MACHINE.

Specification forming part of Letters Patent No. 51,199, dated November 28, 1865.

To all whom it may concern:

Be it known that we, DOMINICUS R. LEIGHTON and JAMES T. LEIGHTON, of Cambridge, in the county of Middlesex, and State of Massachusetts, have invented a new and Improved Washing-Machine; and we do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, of which—

Figure 1 is a top view of the machine, and Fig. 2 is a section (longitudinal) of the same.

The letter A represents the water and clothes reservoir or tub; B, the scrubbing-bar; C, the brush; *a*, its hinge; D, its slide-bar; E E, its sliding ways or guides; F, the driving-shaft; G, the upper crank; *b*, its connecting-rod; *c*, the lower crank; *d*, the upper small pulley; *d'*, the belt; *e*, the large pulley; *f*, its connecting-rod; *h*, the treadle; H, the frame of the machine.

To enable others to make and use our invention, we will proceed to explain the same. The accompanying drawings readily suggest the nature, use, and mode of operation thereof. We make it chiefly of wood or any suitable material.

A is a reservoir, of any convenient size, to hold the water and the clothes to be washed. It has a bar, B, running through the middle and resting upon supports, as seen in each of the figures. On this bar the clothes are scrubbed by a brush, C, which is made to rub back and forth upon the clothes to be washed. To cause this rubbing motion, we have a treadle, *h*, which is nearly like that of a sewing-machine in its motion, and is clearly represented in Fig. 2. It is made of wood. This treadle is connected by an iron or other suitable rod, *f*, to the large

pulley *e*, which is also connected by a belt, *d'*, with the smaller pulley, through which passes the driving-shaft F; and this driving-shaft is also connected by the crank G and the rod *b* with the slide-bar D, upon the extremity of which is the brush or rubber. It will also be perceived that this slide-bar D rests on two rollers for supports, and has also two strips above it to keep it in place, though it might run in grooves let into its sliding ways E E perhaps equally as well.

To put the machine in motion, stand or sit in front of it and put the foot on the treadle and give it motion, and by properly loading the larger pulley, will make this motion very easy. Hold the articles to be washed upon the scrubbing-bar under the brush, the same being covered with suds or water. Fasten the brush on a hinge, *a*, and the brush itself may be fastened on by a screw passing through the cap of the brush, so that it may be easily taken off and brushes of different softness used according to the article to be washed; or use corrugated rubber or any substance in the place of the brush which will answer the intended purpose. The reservoir may have a plug at any convenient place for drawing off the water.

What we claim as our invention, and desire to secure by Letters Patent, is—

A washing-machine the several parts of which are combined, arranged, and operated substantially in the manner and for the purpose above set forth.

DOMINICUS R. LEIGHTON.
JAMES T. LEIGHTON.

Witnesses:

J. L. NEWTON,
E. T. TROTT.