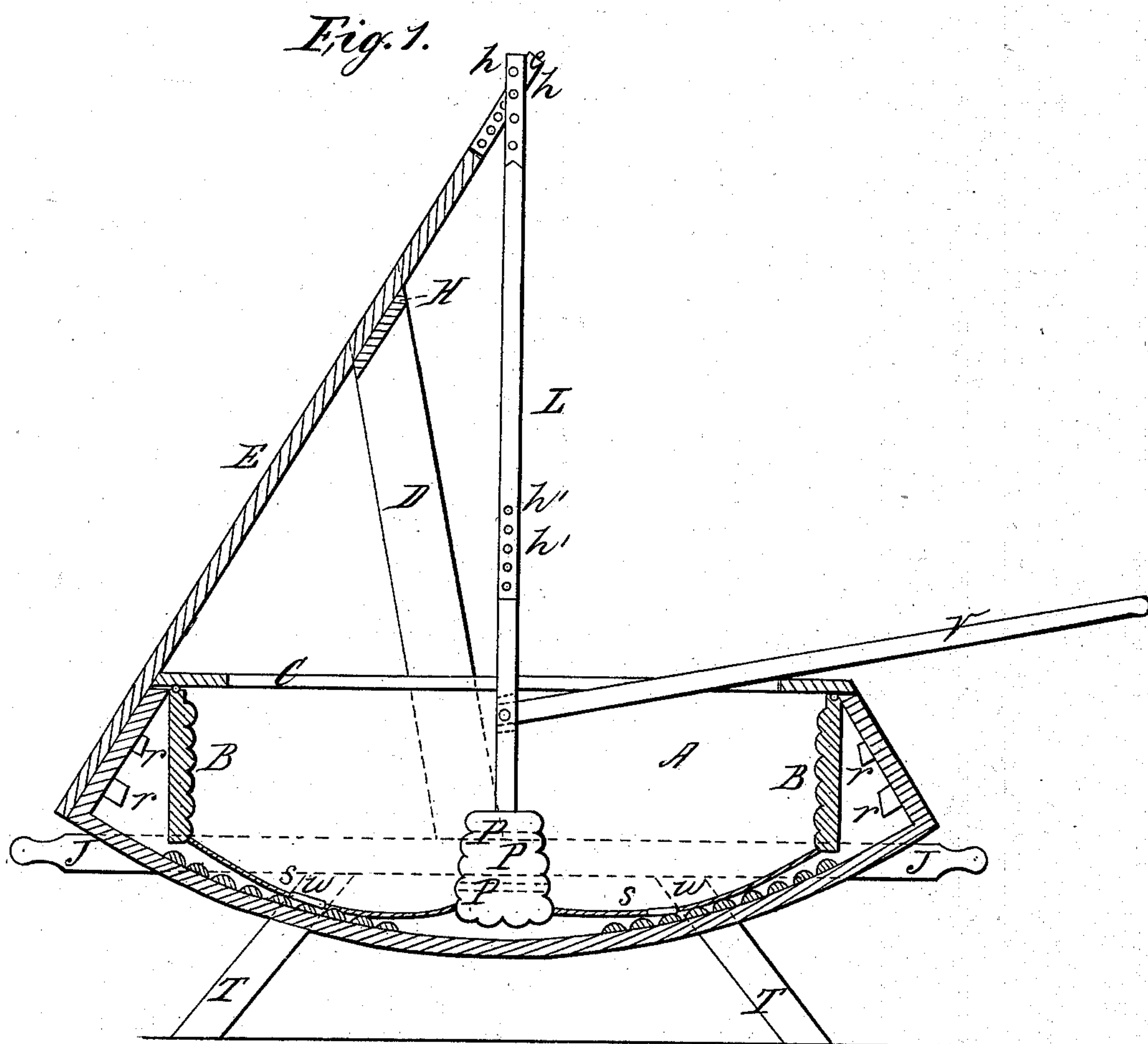


A. Adair,
Washing Machine.
N^o 69,061. Patented Sep 24, 1867



Witnesses.
Henry Clarke,
Henry J. Race,

Inventor:
Arthur Adair

United States Patent Office.

ARTHUR ADAIR, OF BUFFALO, NEW YORK.

Letters Patent No. 69,061, dated September 24, 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, ARTHUR ADAIR, of the city of Buffalo, county of Erie, State of New York, have invented a certain new and useful Improvement in a Washing Machine; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure I represents a longitudinal section.

The nature of this invention consists in having false ends hinged to the upper part of the bevelled end of a cradle-shaped wash-tub, and having a series of rubber springs on the inside of the end of the tub, the false ends being furthermore connected with the beater or pounder through connecting-cords, so as to cause the clothes to be turned around during the process of washing.

In the drawing, A represents the wash-tub; D is one of two stands, one on each side of the tub; H is a connecting-beam between the same; E is the carrier for the rocking-lever L, and the pounder P attached thereto. E supports at the same time the whole of the machine very materially. L is by means of a pivot suspended in the slot *e* of E. *h h* are a series of holes at the upper part of the rocking-lever so as to vary the heights of the same above the bottom of the tub. The rocking-lever is made in two pieces, slotted together, and having a similar arrangement as at the top, with a series of holes, *h' h'*, serving at the same time as a means of separating the machine in a very convenient way. V is the working lever. C is one of two covers laid loosely over the machine, so that they can easily be removed for putting clothes and water in the machine. B B are the false ends, hinged to the upper part of the ends of the tub. *s s* are connecting-cords between the false ends and the pounder. *w w* are weights on the cords, to keep them down, and prevent them from interfering with the clothes that are to be washed. *r r* are series of rubber springs on the inside of the ends of the tub. These springs are bevelled towards the centre around which the false ends swing. *p p* are holes in the pounder for making the same move easier, and lighten the resistance of the water during the process of washing. J J are the handles. T T are the legs. The bottom of the tub is fluted where the washing is to be done. The pounder is fluted on the bottom and the sides, and the false ends on the inside or front side, as clearly shown in the drawing.

The mode of operating my machine is substantially as follows: The clothes to be washed are to be laid on both sides of the pounder; this being moved backwards and forwards by the working lever, it will be easily seen that the false ends combined with the pounder through the connecting-cords, will cause the clothes on both sides to move alternately from the lower to the upper part of the cradle-shaped bottom of the tub, and at the same time turn the clothes around, being furthermore assisted herein by the rubber springs on the inside of the end of the tub, the washing thus being done by the combined rubbing, pounding, and revolving.

My machine can be used for all purposes, and be made in different sizes, from the smallest family size to a large factory size, where a combination of them might be worked by power.

I am well aware that there is nothing new about a pounder working on a cradle-shaped bottom, but what I claim as my invention, and desire to secure by Letters Patent, is—

1. I claim the false ends B B combined with the pounder P, through the connecting-cords *s s*, and operating substantially as herein specified.

2. I claim the false ends B B combined with the rubber springs *r r*, and operating substantially as herein set forth.

ARTHUR ADAIR.

Witnesses:

JNO. H. BORNER,
JOHN LIMPETER.