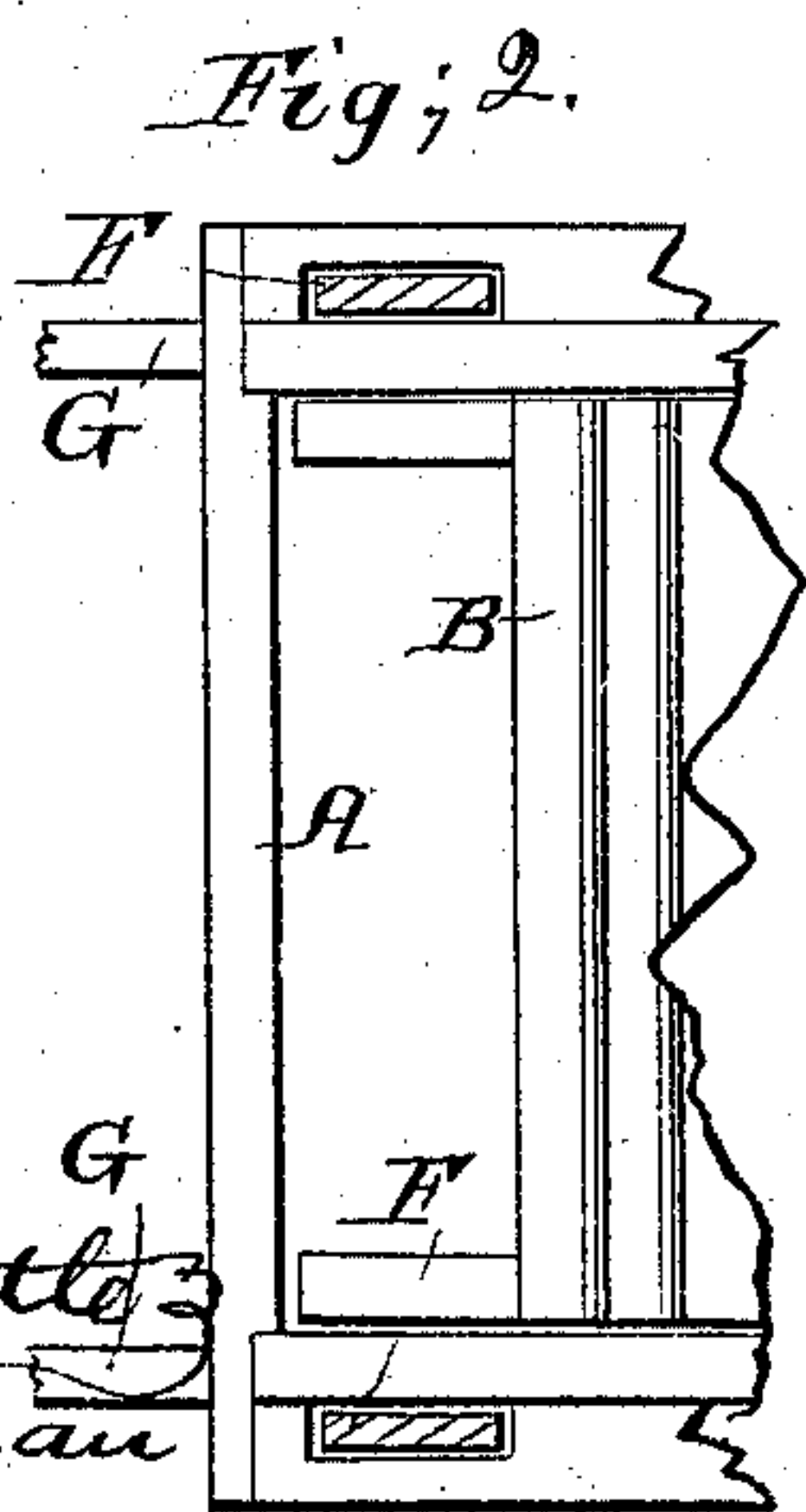
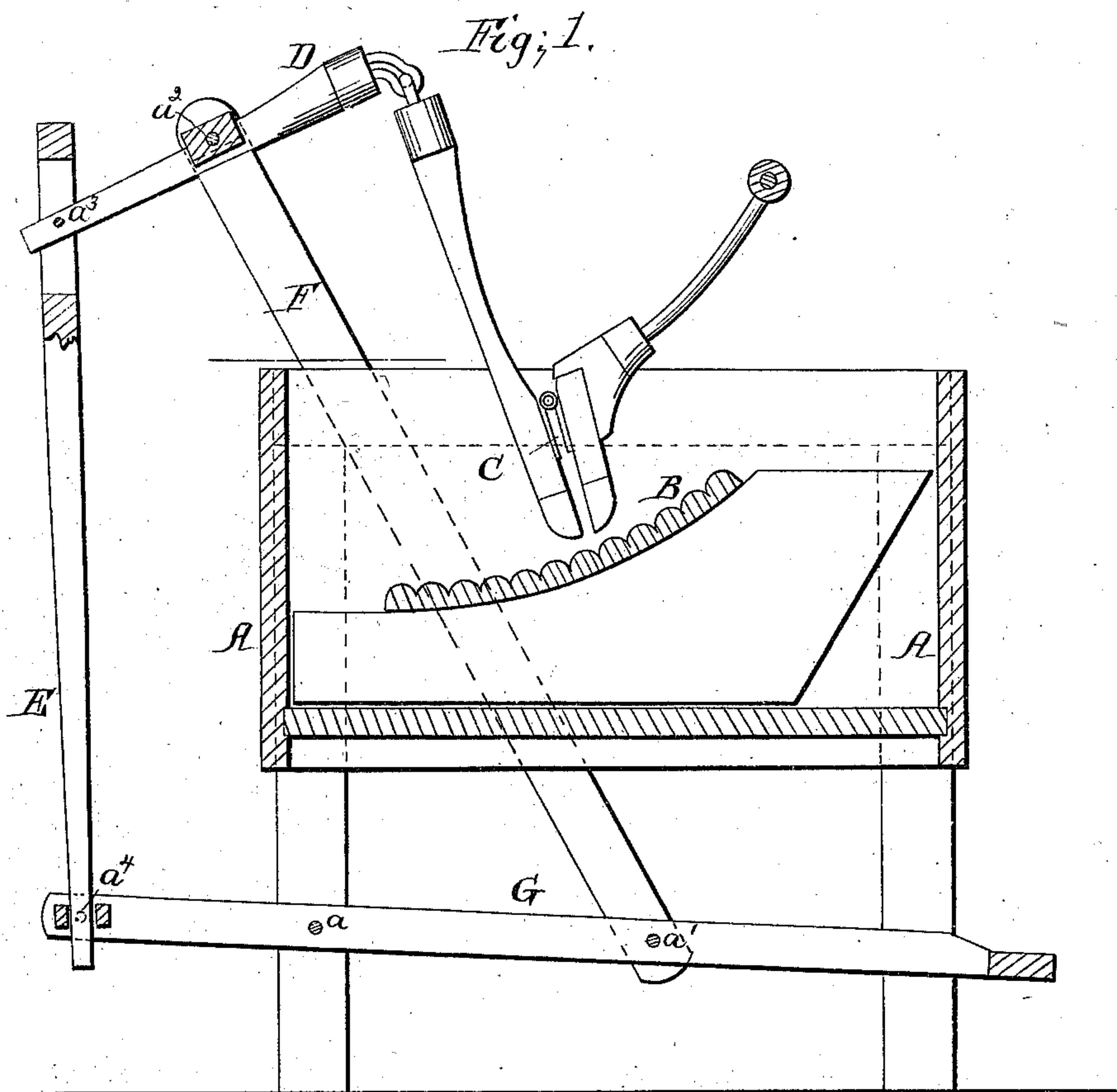


Ross & Adamson.

Washing Machine,

N^o 81,688,

Patented Sept. 1, 1868.



Witnesses;
Chas. C. Ashkett
Wm. A. Morgan

Inventors;
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attorneys

United States Patent Office.

WILLIAM ROSS AND JAMES M. ADAMSON, OF DAY'S STORE, PENNSYLVANIA.

Letters Patent No. 81,688, dated September 1, 1868; antedated August 28, 1868.

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 we, WILLIAM ROSS and JAMES M. ADAMSON, of Day's Store, in the county of Greene, and State of Pennsylvania, have invented a new and improved Washing-Machine; and we 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.

This invention relates to a new and improved method of constructing washing-machines, whereby the clothing to be washed is more conveniently held upon the rubber, and is more thoroughly and easily washed. It consists in the construction and arrangement of the several parts, as hereinafter more fully described.

In the accompanying plate of drawings—

Figure 1 represents a central vertical longitudinal section of our invention.

Figure 2 is a cross-section of the same, taken in the line $x x$, fig. 1.

Similar letters of reference indicate corresponding parts.

The tub A is a rectangular box, made of wood, and supported by four legs, and has within and across the same a curved rubber, B, as shown in the drawing. The rubber B may be either a fixture in the tub A, or so constructed as to be at any time easily removed.

Between the legs of the tub A, on one end of the same, near the bottom of the same, is pivoted a treadle, G, by the pivots a .

Said treadle G is a frame, made of wood, and extends along under the machine, so as to project beyond the front of the same, as shown, and extends in the opposite direction beyond the back end of the machine.

To the rear end of the treadle G, as shown, is pivoted an upright, E, by the pivot a^1 .

The upright, E, may be made of wood or other suitable material, and extends upwards a short distance above the tub A, where the same is pivoted to an arm, D, by the pivot a^2 , as shown.

The arm D is made of wood, and extends upwards and forwards over the tub A, as shown, and is connected again with the treadle G by the connecting-rods F, pivoted to the shaft of the arm D, at each end of the same, and by the other end are pivoted to the said treadle G, at a point in the same nearly equidistant from the pivot a , and the front end of said treadle G, by the pivot a^1 , as shown, the arm D operating as a lever with a double fulcrum.

In the forward end of the arm D, having a ferrule around the same to prevent splitting, is a staple, as shown, to receive a staple in the end of the clamp C.

The clamp C is made of wood, of the form as shown, supported by the arm D, to which the same is connected by a staple in the end of the clamp C, passing through the staple in the end of the arm D, so as to form a universal joint at that point.

The clamp C is made in two parts, hinged together, as shown, so as to form a pair of jaws, to hold the clothes to be washed, the forward part of the same being provided with a handle, as shown, by means of which the jaws of the clamp C are forced together.

The jaws of the clamp C may, when desired, be covered or lined with rubber, or other like substance.

The operation is such that the tub being filled with hot water or suds, the clothes are placed between the jaws of the clamp C, and firmly held by pressing down upon the handle of the same, and are brought down upon the rubber B, by the foot pressing on the treadle G, when the same are washed or rubbed by the operator, with the handle of the clamp C, without the necessity of putting the hands in the water, the universal joint above mentioned giving to the clamp C a motion in every direction.

Constructed as above described, it constitutes a simple and convenient washing-machine for the washing of clothing, the advantage of which is that the same are more thoroughly washed, without the necessity of placing the hands in the hot water or suds.

We claim as new, and desire to secure by Letters Patent—

1. A washing-machine, for washing clothing, composed of the tub A, and rubber B, and a clamp C, for

holding the clothing, operated by a handle upon the same, said clothing being held down upon the rubber B by a treadle, G, substantially as shown and described, and for the purposes set forth.

2. The clamp C, composed of two parts or jaws, connected to the arm D by a universal joint, substantially as shown and described, and for the purposes set forth.

3. The arm D, and connecting-rod F, and upright, E, and treadle G, in combination with each other and with the clamp C, and washing-tub A, and rubber B, substantially as shown and described, and for the purposes set forth.

WILLIAM ROSS,
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Witnesses:

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