J. Lamb,

Wringer.

No. 88,308. Patented Mar. 30. 1869.

Fig. 1.

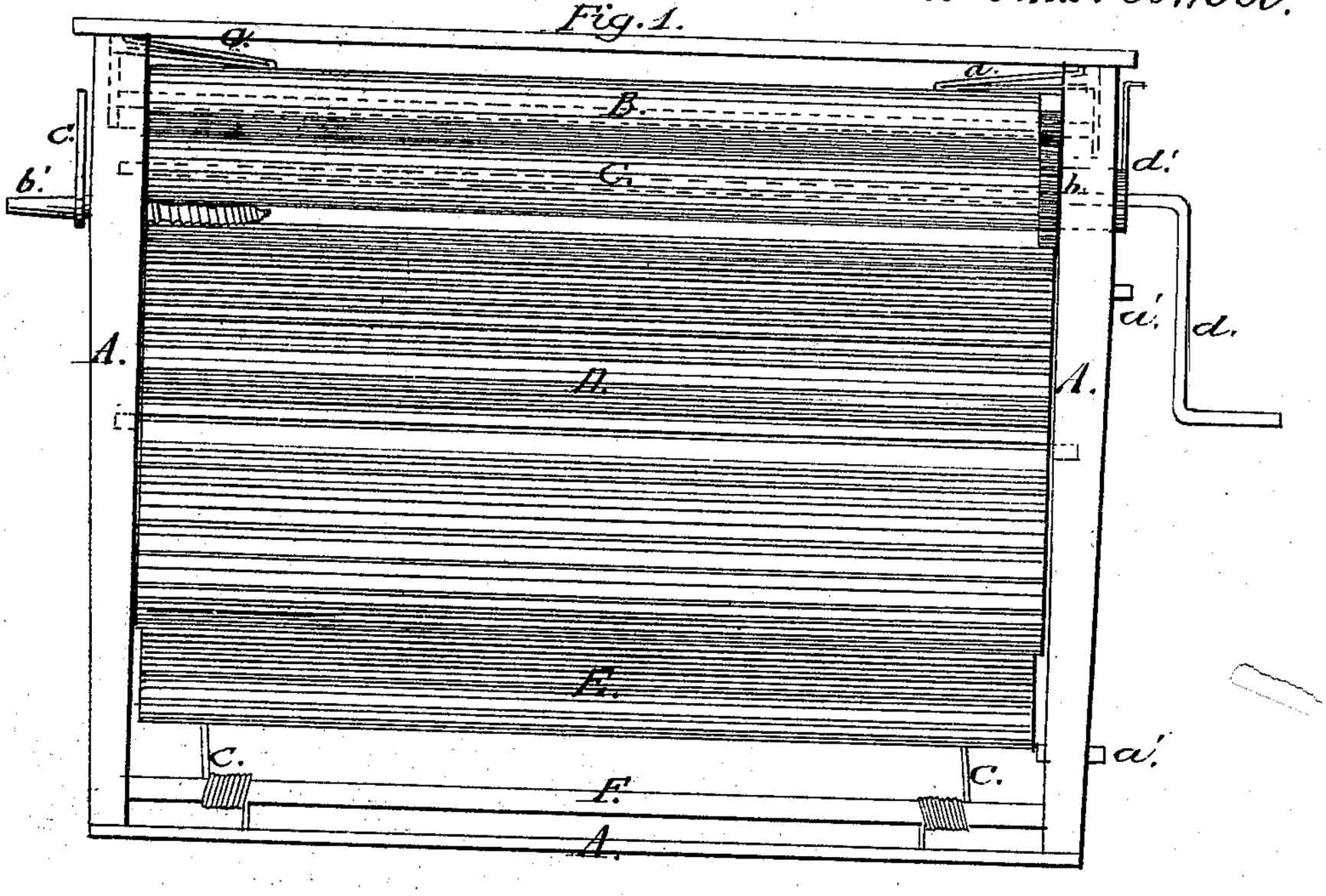
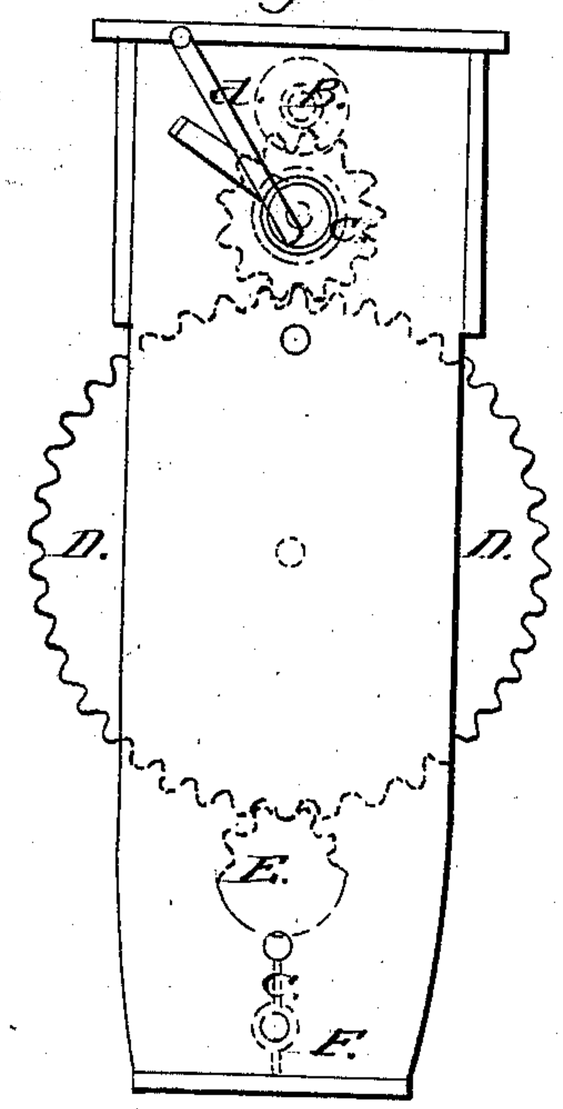


Fig. 2.



Witnesses:
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per
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United States Patent Office.

JOHN LAMB, OF JEFFERSONVILLE, NEW YORK.

Letters Patent No. 88,308, *dated March* 30, 1869.

IMPROVED WASHING AND WRINGING-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, JOHN LAMB, of Jeffersonville, in the county of Sullivan, and State of New York, have invented certain new and useful Improvements in Washers and Wringers; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification, and in which—

Figure 1 represents a side view, and

Figure 2, an end view of my washer and wringer combined.

Similar letters indicate like parts in both figures.

The nature of my invention consists in the combination and arrangement of the several devices hereinafter set forth.

To enable others skilled in the art to which my invention appertains, to make and use the same, I will now describe its construction and operation.

In the accompanying drawing—

A represents an ordinary frame, in the upper end of which are pivoted two rollers, B and C, the roller C being provided with a cog-wheel, *b*, on one end, and to which is attached the crank *d*, which passes through the side of the frame into said cog-wheel.

On crank *d* is secured the eccentric *d'*, by which the rollers B and C are adjusted.

D represents a cylinder, pivoted in the frame, below the rollers, said cylinder being made with projections around its surface.

E represents a smaller cylinder, formed with projections on that part of its surface next to the cylinder D.

The cylinder E is attached to the metal bar, or rod F, which passes through the frame from end to end, by the wire springs *c c*, one end of said springs being secured to the cylinder, and the other end twisted around said bar, or rod F, thereby forming a spring for the rollers.

The operation of my machine is as follows:

The frame is secured in a vertical position in the tub, and kept in that position by the pins *a' a'*, which are secured to one end of the frame, and enter receptacles made in the side of the tub. The screw *b'*, with bar, or plate *c'* attached, is screwed into the other end of the frame, the plate *c'* resting against the outside of the tub. By this arrangement the frame is securely fixed in a vertical position in the tub. The clothes are then placed into the tub, and the crank *d* operated upon, which causes the clothes to pass between the two cylinders, D and E, the springs *c c* giving, to allow the clothes to enter between the cylinders. By this operation the clothes are thoroughly washed, and wrung by passing between the two rollers, B and C, the V-shaped springs *a' a'* giving, to allow the clothes to enter between the wringers.

Having thus described my invention,

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

1. The eccentric *d'*, in combination with the crank *d*, and wringers B C, arranged to operate substantially as described.

2. The frame A, provided with wringers and washers B C D E, crank *d*, eccentric *d'*, pins *a a*, screw-plate *c'*, and springs *a' a'*, all arranged to operate substantially in the manner and for the purpose described.

In testimony that I claim the foregoing as my own, I affix my signature, in presence of two witnesses.

JOHN LAMB.

Witnesses:

JOHN C. MALL,

LOUISA LAMB.