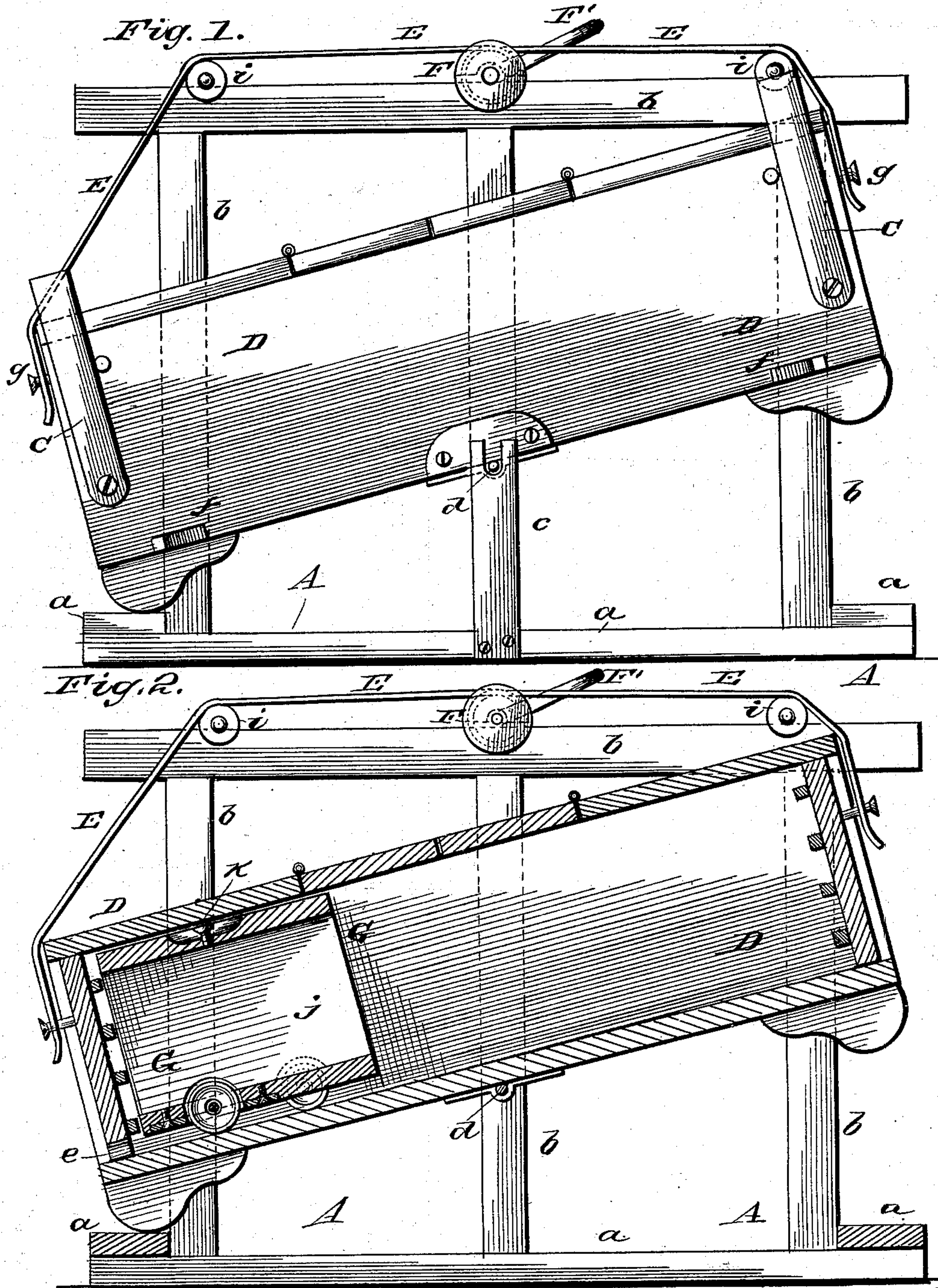


(No Model.)

L. S. FUNK.
WASHING MACHINE.

No. 283,094.

Patented Aug. 14, 1883.



Witnesses:
Phil. C. Dierich.
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by
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UNITED STATES PATENT OFFICE.

LEWIS S. FUNK, OF TROY, PENNSYLVANIA.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 283,094, dated August 14, 1883.

Application filed March 27, 1883. (No model.)

To all whom it may concern:

Be it known that I, L. S. FUNK, of Troy, in the county of Bradford and State of Pennsylvania, have invented certain new and useful Improvements in Washing-Machines; 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 part of this specification, in which—

Figure 1 is a side view of my oscillating wash-box, indicating the box in an inclined position and the bands connected thereto. Fig. 2 is a vertical section taken longitudinally through my oscillating box.

This invention relates to washing-machines of the oscillating kind, wherein the boxes are so mounted that they are free to be moved by a crank or its equivalent, and having a free dasher; and it consists in certain combination of parts, which will be fully understood from the following description, when taken in connection with the annexed drawings.

A designates the base of the frame of my improved machine, which is constructed of sills having transverse portions *a a a*, standard-frame *b*, and a standard, *c*, the upper end of which is vertically slotted, for a purpose which will be hereinafter explained.

D designates an oblong box, which is sustained by trunnions *d* in the main frame, above referred to, and which is constructed so that it will contain water, which may be drawn off at *e*. This box is provided on top with doors, and it is also provided with pivotal legs C C, having stops *f f*, which are adapted to afford abutments for the legs when they are perpendicular to the wash-box. This box is also provided with stops for the legs, to hold them when they are upright, as indicated in Fig. 1. When the legs are down, the box D will be held positively in a horizontal position. When the legs are up, the box D is free to oscillate on its trunnions.

At the ends of the box D are fixed buttons *g g*, to which are attached straps E E, the opposite ends of which are attached to a belt,

drum, or pulley, F, having a hand-crank, F', on one end. This pulley or drum is arranged in a vertical plane intersecting the axes of the trunnions of the wash-box, and straps pass over idlers *i i*, arranged equidistant from said drum. Oscillating motion is given to the wash-box by vibrating the crank F.

Button-holes are made through the ends of the straps for the purpose of allowing quick attachment and detachment thereof. Inside of the box D is a hollow prismatic pounder, C, which is mounted on castor-wheels, and which is slotted at two ends. This pounder has openings at its base, (lettered *j j*), and it has a depressed handle, *k*, on top, by means of which the pounder can be lifted out of the wash-box at pleasure.

It will be seen from what I have above described that I have an oscillating wash-box which is provided with pivoted legs or struts and mounted on trunnions, and which is also connected flexibly to an oscillating drum, and inside of this box I have shown a slotted pounder which is provided with means of readily removing it from the box. I have also represented idlers on which said flexible straps pass.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination of the main supporting-frame, having base-sills *a a*, the oscillating wash-box mounted on trunnions, the belt E, connected to the ends of the wash-box, the idlers *i i*, the drum on crank-shaft F, about which said belt is passed, and a hollow pounder inside of said wash-box, all constructed and adapted to operate substantially in the manner and for the purposes described.

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

LEWIS S. FUNK.

Witnesses:

JOHN BESLEY,
JACOB THOMAS.