

E. W. Lowe,

Washing Machine,

N^o 70,343,

Patented Oct. 29, 1867.

Fig. 1.

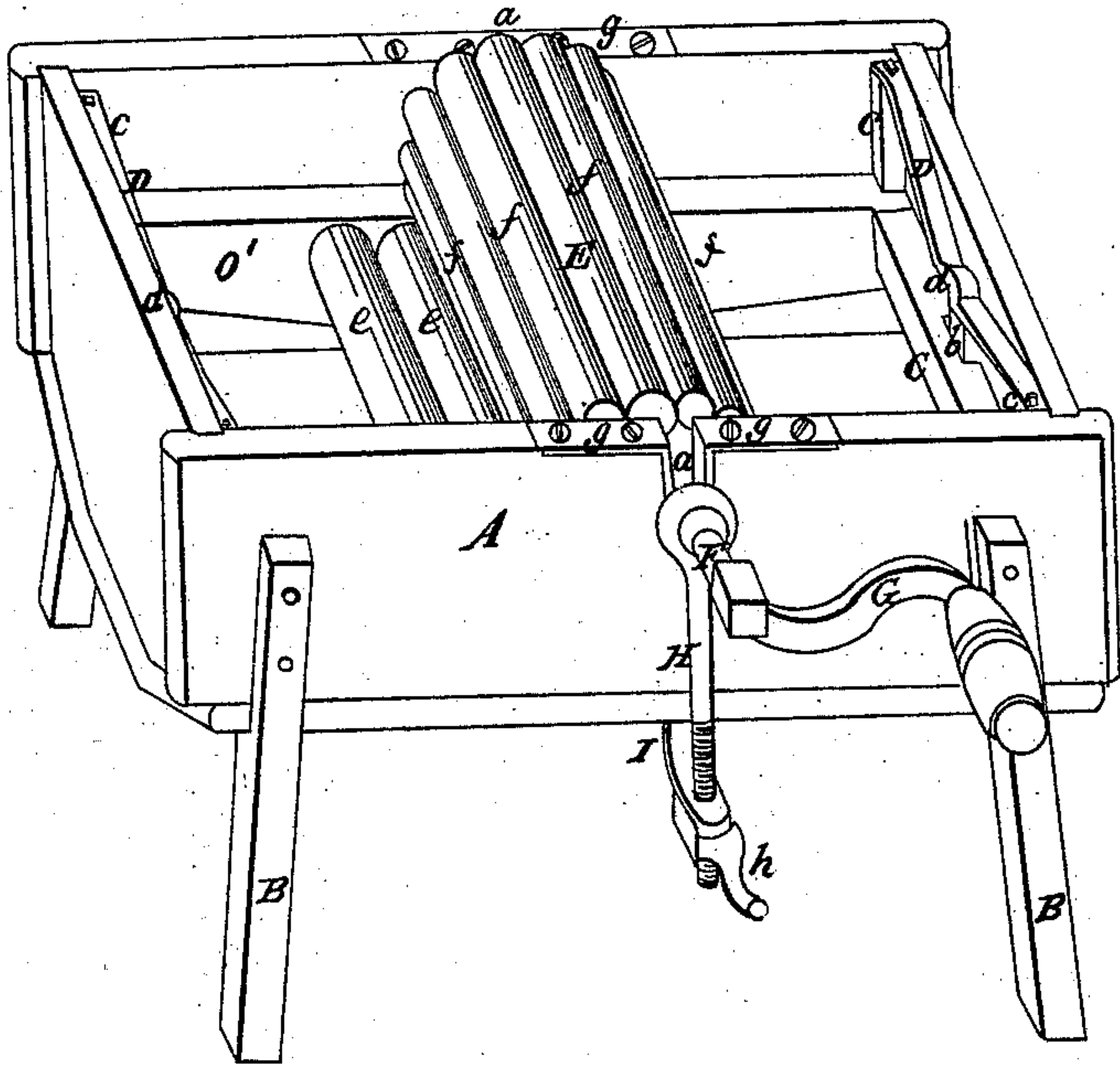
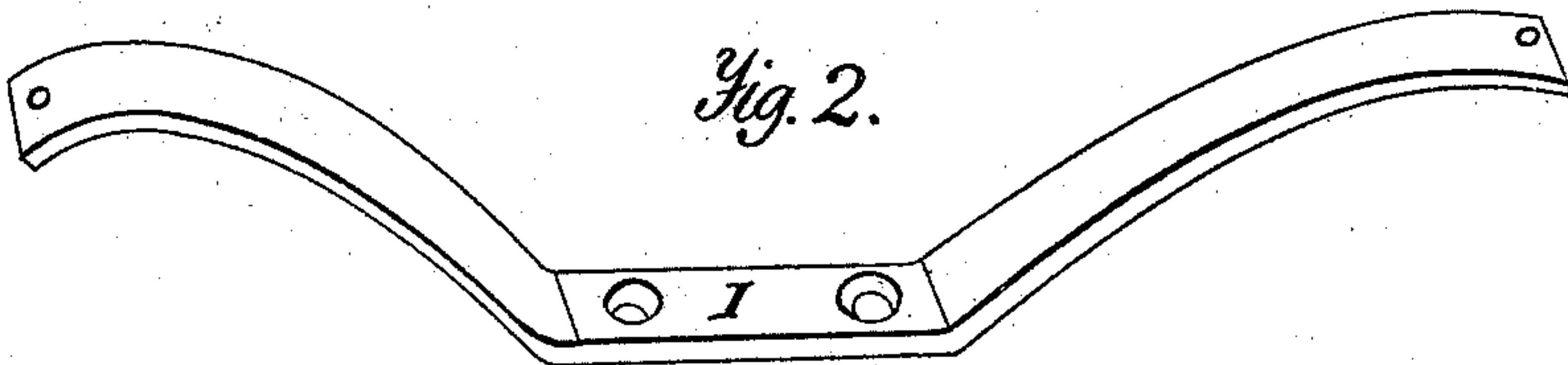


Fig. 2.



Witnesses:

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W. J. Ketchum

Inventor:

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By Attorney J. B. Woodruff & Son

United States Patent Office.

EBENEZER W. LOWE, OF ALMOND, NEW YORK.

Letters Patent No. 70,343, dated October 29, 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, EBENEZER W. LOWE, of the town of Almond, in the county of Alleghany, in the State of New York, have invented certain new and useful Improvements in Washing Machines, and the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 represents a perspective view of the machine, showing the operating parts.

Figure 2 shows a view of one of the double-acting springs.

My invention consists in the construction and mode of arranging the springs, so that the washing serrated cylinder, and the roller-bed frame can both yield to any irregular quantity of clothing. The force of the pressure being made so as to be adjusted by stirrup-rods, with screws and lever-nuts on the outside and underneath the double central spring, the cylinder and roller-frame being so arranged as to be easily removed from the tub or box by simply unhitching the stirrup-rods.

To enable others to make and use my invention, I will describe it more fully, referring to the drawings, and to the letters marked thereon.

The tub or box A, in which the washing apparatus is placed, is made of boards in the ordinary manner, and supported, at a suitable height to be operated conveniently, on legs B B. Inside the box A is fitted a frame, C C, so as to move easily. At the corners are vertical studs *c c*, extending to nearly the top of the box A, on the top of which are secured the ends of the springs D D, the centres of which have curves *d d*, which are fitted to and rest on vertical posts *b b*, which are secured to the ends of the box A. In the central part of the frame C C is a series of six rollers, *e e*, the two middle rolls being depressed, so that the bed formed by the rollers conforms to the curve of the rotating cylinder E, placed above them. The washing or rubbing-cylinder E is constructed by placing two or more heads of wood on a metal shaft, F, and covering the periphery with round, smooth rods *f f f f*, flattened on the inside, thus forming a serrated roller, hollow inside. In both sides of the suds-box A are vertical slits *a a*, for the journals of the shaft F to run in, the slits *a a* being lined with sheet metal, *g g*, to prevent the wearing of the sides as the cylinder E works up and down while being operated by the crank-handle G. On both ends of the cylinder-shaft F, on the journals outside of the box A, are stirrup-rods H H, extending down below the bottom of the suds-box. Under the centre of the box is secured the spring I, there being holes or eyes in both ends, through which the stirrup-rods H H pass, they having screw-threads *i i* cut on about one-third of their length, on which are fitted lever-nuts *h h*, for the purpose of adjusting the pressure between the rotating cylinder E and the rollers *e e* in the yielding frame C C.

The whole washing apparatus is so constructed and arranged as to be easily taken out of the box A. To remove the cylinder E, unhook the stirrup-rods H H, and it is free to be lifted out of its bearings or slits *a a*; then the frame C C and rollers *e e* are easily lifted up and taken out, so that the box A and all of the parts which are wet may be cleaned and dried.

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

I claim the combination of the spring I, stirrup-rods H H, lever-nuts *h h*, as described, with the washing-cylinder as constructed, and the frame C C, as suspended on the springs D D, so as to operate substantially in the manner herein described, for the purposes specified.

In testimony whereof I hereunto subscribe my name in the presence of—

Witnesses:

WM. S. DE BOW,
ESAU D. TAYLOR.

EBENEZER W. LOWE.