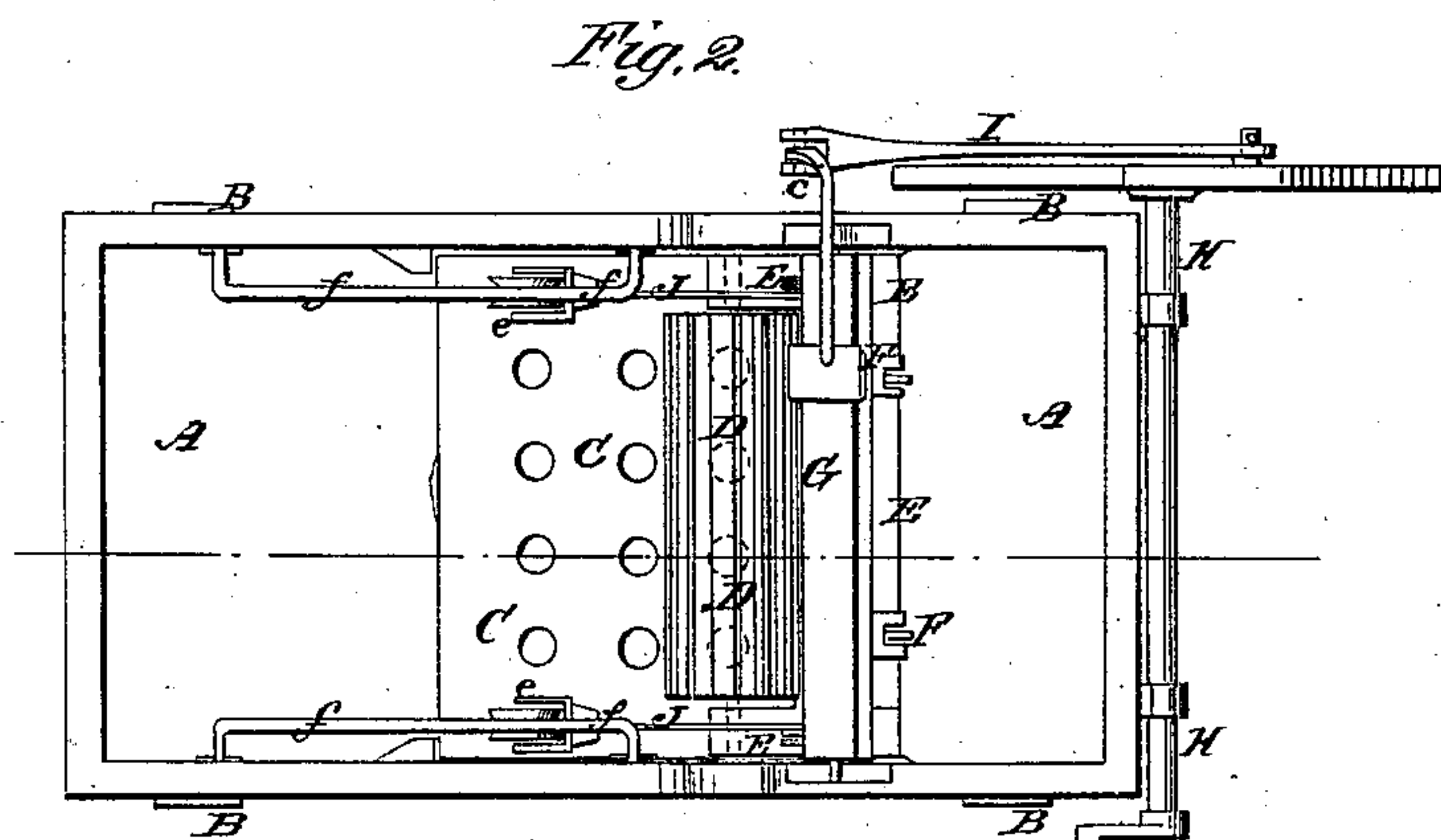
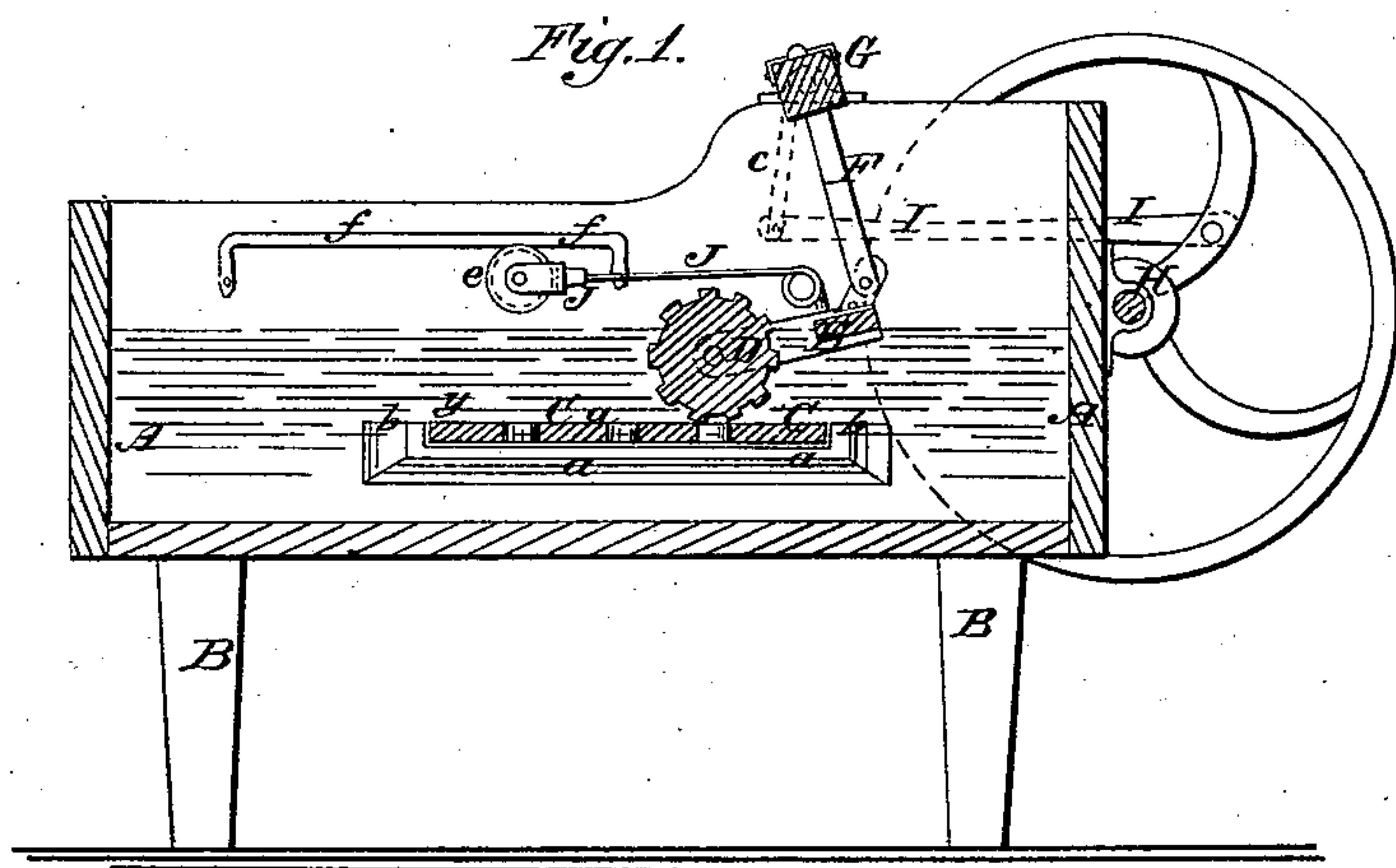


*Coville & Keeler*  
*Washing Machine.*

*N<sup>o</sup> 67271.*

*Patented July 30, 1867.*



*Witnesses.*  
*Thos. L. Luche*  
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*Inventor.*  
*Le Roy Coville*  
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# United States Patent Office.

LE ROY COVILLE AND WILLIAM KEELER, OF OXFORD, NEW YORK.

*Letters Patent No. 67,271, dated July 30, 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 we, LE ROY COVILLE and WILLIAM KEELER, of Oxford, in the county of Chenango, and State of New York, 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 others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a longitudinal central vertical section of our improved washing machine.

Figure 2 is a plan or top view of the same.

Similar letters of reference indicate like parts.

This invention relates to a washing machine in which a perforated board is arranged above the bottom of the suds-box, which can be drawn out to allow the articles to be washed to be placed on it. A corrugated roller, which is secured to a reciprocating frame that is connected with a rock-shaft hung in the sides of the suds-box, is made to move across the aforesaid perforated board, and is pressed upon the clothes by means of springs, which are secured to the reciprocating frame, their free ends working below a track fixed to the sides of the suds-box.

A represents a rectangular or other suds-box, made wholly or partly of wood, or other suitable material, and resting upon four (more or less) legs or posts B B, as shown in fig. 1. C is a square or oblong perforated board, which is placed upon strips, *a a*, that are secured to the sides of the suds-box, so that the said board C will lie level, as shown. Straps *b b* are arranged on the ends of the strips *a a* to prevent the board C from sliding off. D is a corrugated or other cylindrical roller, made of wood, sheet iron, or other suitable material. It has its bearings in a frame, E, which is hinged to cranks or bars F that project from a horizontal rock-shaft, G. The latter has its bearings on top of the side pieces of the suds-box, as shown. H is a horizontal driving-shaft, which has its bearings on the outside of the box A, on the front end of the same, and which is connected by a pitman, I, with a crank, *c*, on the rock-shaft G, as is clearly shown by dotted lines in fig. 1. The shaft H being turned by means of a crank, *d*, oscillating motion is imparted to the shaft G. From the latter the motion is transmitted to the frame E, which is moved to and fro over the board C, carrying with it the roller D, which rests upon the said board, as shown. J J are springs, which are secured with one end to the sides of the frame E, their other ends being provided with friction-rollers E, which fit under rails *f* that are secured to the sides of the suds-box, as is clearly shown in the drawing. The free ends of the springs are thus always kept on the same level, as they slide under the rails, when the frame E is moved, and they will press the frame E down and consequently the roller D upon the board C.

The board C can be removed by raising its outer end, *g*, over the stops *b* and drawing it out. The garments or articles to be washed are placed upon it, and it is then again returned to its place upon the strips *a*. The shaft H is then turned, and the roller D rolled over the garments until the same are sufficiently rubbed and pressed.

It will be noticed that in this machine the garments cannot be torn or injured, but will only be effectually cleaned in very short time.

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

The reciprocating frame E and roller D, in combination with the perforated or other wash-board C, springs J, and rails *f*, all made and operating substantially as herein shown and described.

LE ROY COVILLE,  
WM. KEELER.

Witnesses:

C. W. ECCLESTON,  
BRADFORD GREENE.