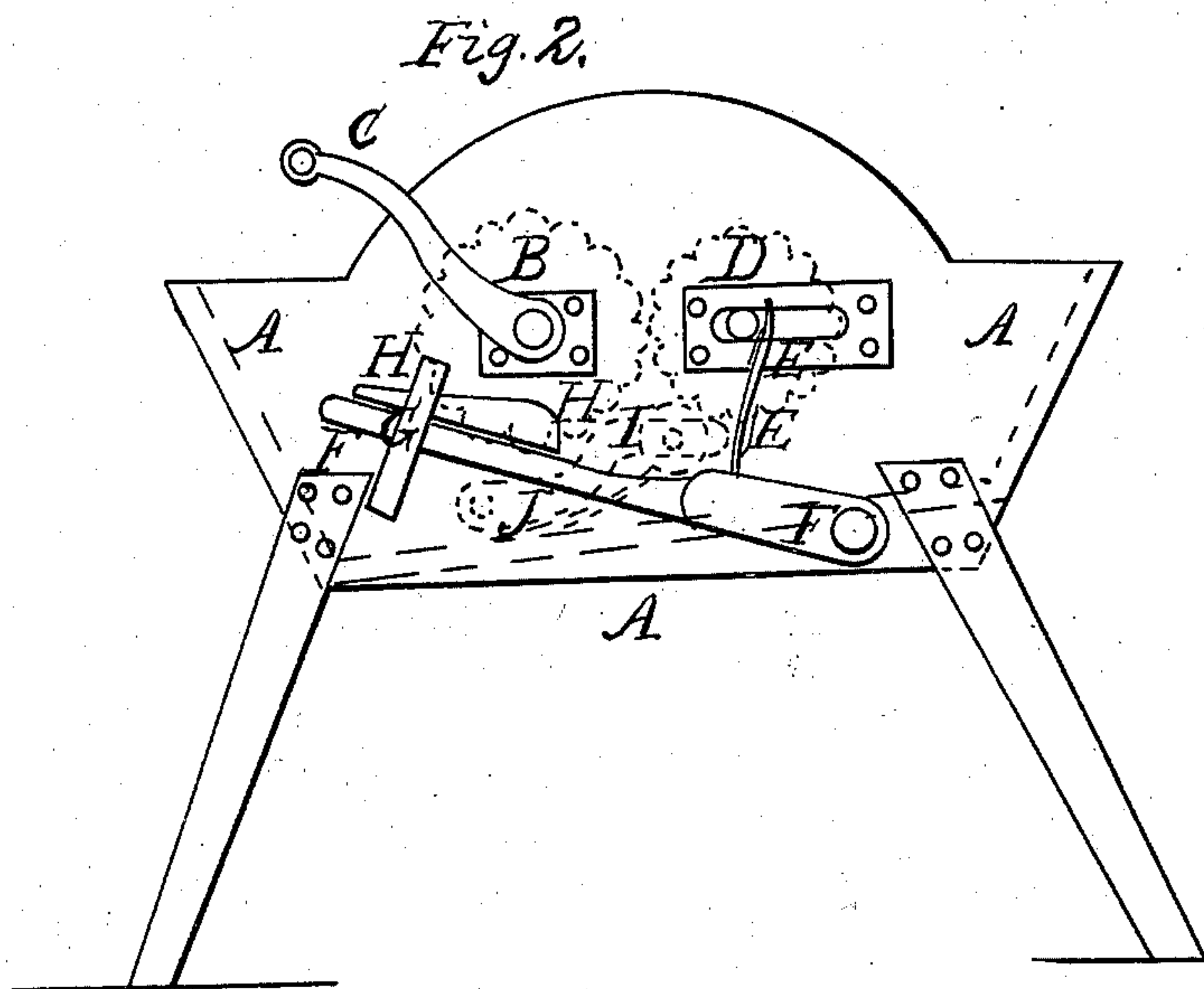
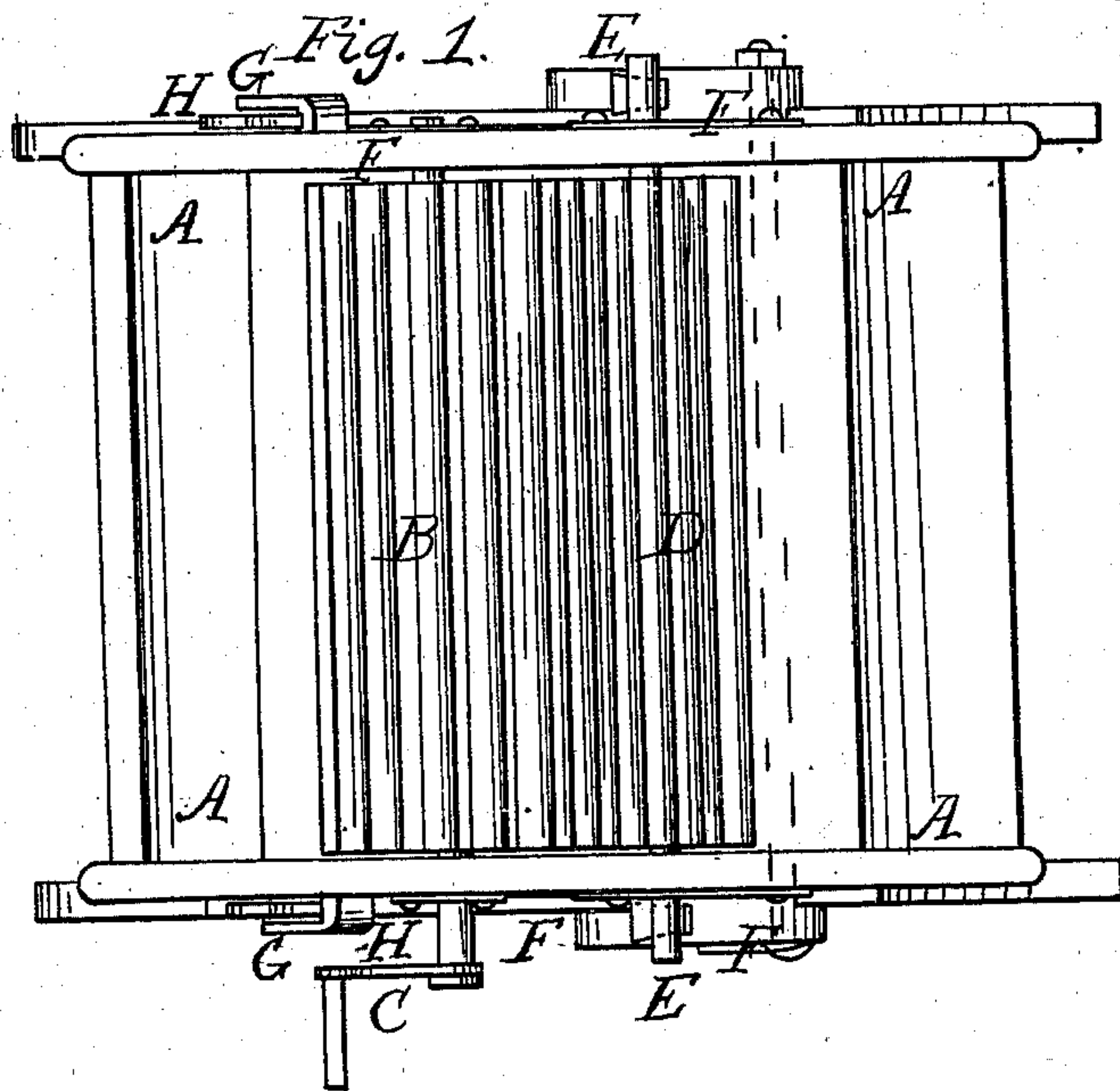


*J.G. Bailey,*  
*Washing Machine,*  
*No 66,775, Patented July 16, 1867.*



Witnesses.  
*Thos Fusch*  
*J. A. Service*

Inventor  
*John G. Bailey*  
*Per J. Munn & Co*  
*Attorneys*

# United States Patent Office.

JOHN G. BAILEY, OF HILLSDALE, MICHIGAN.

*Letters Patent No. 66,775, dated July 16, 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, JOHN G. BAILEY, of Hillsdale, in the county of Hillsdale, and State of Michigan, have invented a new and useful improvement in Washing Machine; and I 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 top view of my improved machine.

Figure 2 is a side view of the same.

Similar letters of reference indicate like parts.

My invention has for its object to furnish an improved machine by means of which the washing may be easily, quickly, and thoroughly done; and it consists in the combination of a small roller and inclined apron with the fluted cylinders and with the box; in the combination of the springs and adjusting levers with the box and with the journals of one of the fluted cylinders; the whole being constructed and arranged as hereinafter more fully described.

A is the box of the machine, a convenient size for which is three feet in length, eighteen inches in width, and one foot in depth. The ends and bottom of the box A may for convenience be made inclined, as shown in fig. 2. B is a cylinder, the journals of which revolve in bearings in the sides of the box A. The surface of the cylinder B is grooved or fluted similar to the grooving of an ordinary rubbing-board. To the projecting end of one of the journals of the cylinder B is attached the crank C, by which the machine is operated. D is a cylinder, the journals of which revolve in horizontal slots in the sides of the box A. The surface of the cylinder D is grooved or fluted in the same manner as the cylinder B, the fluting being about one-half the size of that of the cylinder B, as shown in the drawings. The cylinder D is held forward against the cylinder B by the springs E, the free ends of which rest and press against the rear sides of the journals of the said cylinder D, as shown in figs. 1 and 2. The lower ends of the springs E are securely attached to the levers F, the lower ends of which are pivoted to the sides of the box A, and their upper ends pass through the keepers G attached to the sides of the box A. By means of the springs E the cylinder D is enabled to adjust itself to the varying thickness of the clothes passing through the machine, and by varying the position of the levers F in the keepers G, the position of the cylinders may be adjusted by means of the wedge-shaped keys H, according to the quantity of clothes passing through the machine, and according to the amount of pressure desired to be applied to them. I is a small roller pivoted to the sides of the box A beneath the cylinders B and D, a little in the rear of the vertical line passing through the line of contact between the said cylinders B and D. J is an inclined apron extending from the bottom of the box to the lower part of roller I, as shown in dotted lines in fig. 2. The roller I and apron J are intended to guide the clothes in their passage through the machine. The clothes to be washed may be passed between the cylinders B and D either upward or downward, as may be desired; and the effect of the different-sized fluting upon the said cylinders is to rub, squeeze, and pound the clothes being washed, washing them clean in a very short time.

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

1. The combination of the small roller I and apron J with the fluted cylinders B and D and with the box A, substantially as herein shown and described and for the purpose set forth.

2. The combination of the springs E and levers F with each other and with the journals of the roller D and box A, substantially as herein shown and described and for the purpose set forth.

JOHN G. BAILEY.

Witnesses:

C. B. DRESSER,  
WM. H. HIBNER.