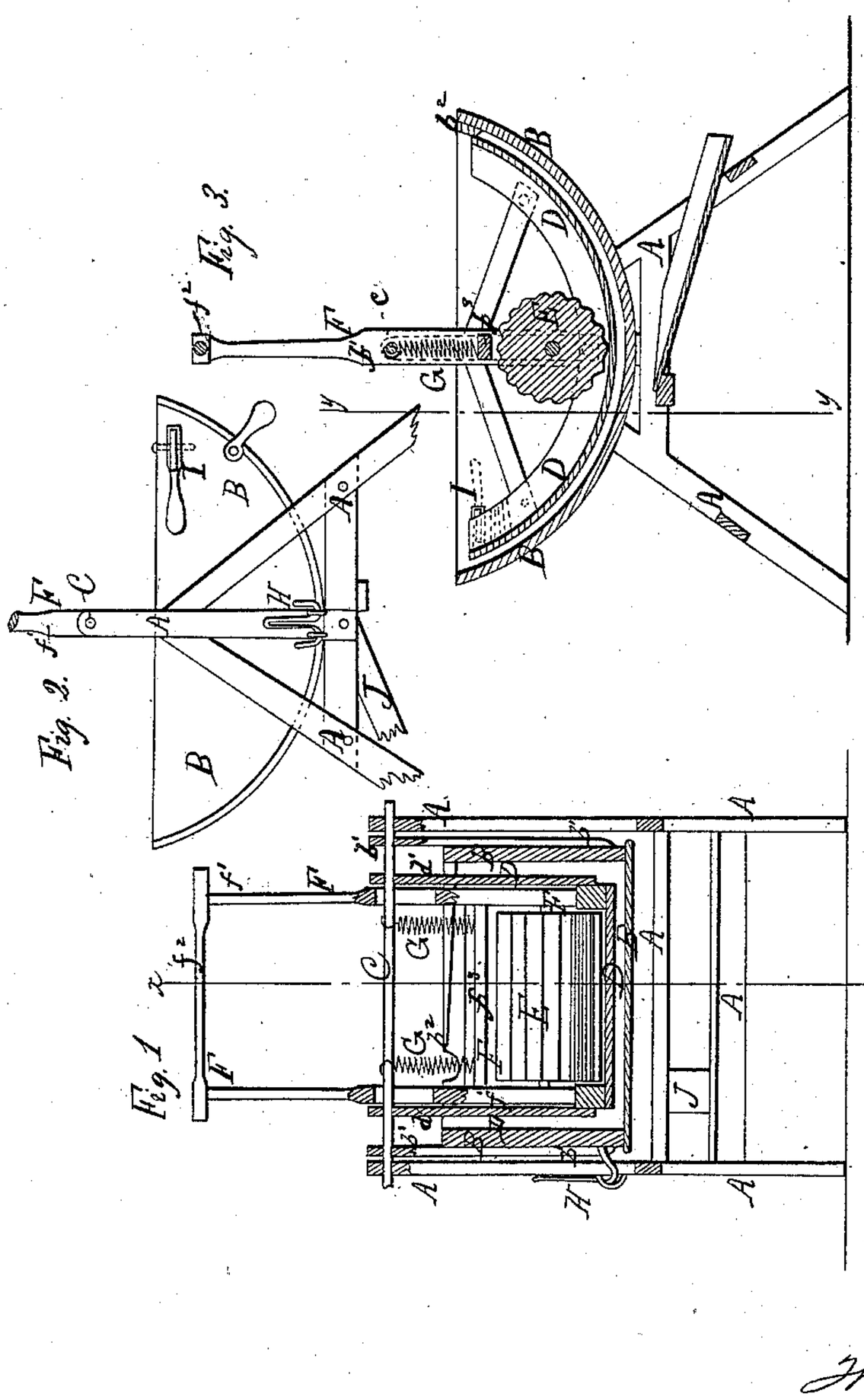
W. Goodman,

Washing Machine,

No. 66,831, Patented July 16, 1867.



Witnesses.
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WILLIAM GOODMAN, OF TROY, MICHIGAN.

Letters Patent No. 66,831, *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, WILLIAM GOODMAN, of Troy, in the county of Oakland, and State of Michigan, have invented a new and improved Washing Machine; and I do hereby declare that the following is a full clean 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 vertical longitudinal section of my improved machine, taken through the line *y y*, fig. 3.

Figure 2 is a detail view of the same.

Figure 3 is a vertical cross-section of the same taken through the line *x x*, fig. 1.

Similar letters of reference indicate like parts.

My invention has for its object to furnish an improved machine, by the use of which the clothes may be easily, quickly, and thoroughly washed, and from which the water may be conveniently poured, so that the clothes may be washed through several waters without it being necessary to handle them; and it consists in the combination of the interior and exterior tubs with each other, and with the frame to which they are pivoted, and in the combination of the rubbing cylinder and its frame with the interior tub; the whole being constructed and arranged as hereinafter more fully described.

A is the frame of the machine; B is the outer tub, the ends of which are vertical, and the sides and bottom of which are curved in the arc of a circle, as shown in fig. 3. To the middle of the vertical ends of the tub B are attached two arms b' projecting above the tub, as shown in fig. 1, and having holes formed through their upper ends for the passage of the rod C, by means of which the tub is pivoted to the frame A, as shown in fig. 1. D is the interior tub, which is made in the same form as the tub B, but smaller, so as to fit into it, as shown in fig. 3, leaving a narrow space between the two tubs, as shown. To the middle of the ends of the tub D are attached two upwardly projecting arms or bars d', having holes through their upper ends for the passage of the rod C, to which they are pivoted. The bottom of the interior tub D may be made with a smooth surface, as shown in the drawings, or it may be wholly or partly grooved or corrugated as may be desired. E is the cylindrical rubber, the surface of which is grooved or corrugated, and which is pivoted to the lower ends of the side bars f^1 of the frame F, as shown in figs. 1 and 2. The middle parts of the side bars f^1 are slotted for the passage of the rod C, so that the roller E may give to accommodate itself to the thickness of clothes being washed. The upper ends of the side bars f^1 of the frame F are connected by a cross-bar, f^2, which serves as a handle in operating the rubber E. G are springs, the upper ends of which are attached to the rod C, and their lower ends to the cross-bar f^3 of the frame F, to hold the rubber E down to its work. H is a catch attached to the frame A in such a position that it may be turned down so as to take hold of the bar b^1 of the tub B, and hold the said tub stationary while being used. I is an eccentric catch pivoted in a slot in the end of the tub B in such a position that it may be turned into one or the other of the notches formed in the tub D to hold it stationary while the machine is being operated. b^2 is a spout or lip formed in the edge of the tub B to guide the water being poured out of the said tub into the spout J attached to the frame A, to conduct the said water into a pail or other receptacle.

In using the machine the necessary amount of water is poured into the tubs B and D, the clothes are then put into the tub D and operated upon by the rubber E, both tubs being locked fast. In pouring out the water the tubs are unlocked and the tub B turned up so as to discharge the water into the spout J, the clothes remaining undisturbed in the tub D.

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

1. The combination of the exterior and interior semi-cylindrical tubs B and D with each other, and with the frame A, substantially as herein shown and described, and for the purpose set forth.

2. The combination of the cylindrical rubber E and frame F with the interior tub D, substantially as herein shown and described and for the purpose set forth.

3. Pivoting the exterior tub B, the interior tub D, and the rubber-frame F to the frame A by the same pivoting-rod C, substantially as herein shown and described.

WILLIAM GOODMAN.

Witnesses:

O. W. PECK,

A. PARTRIDGE.