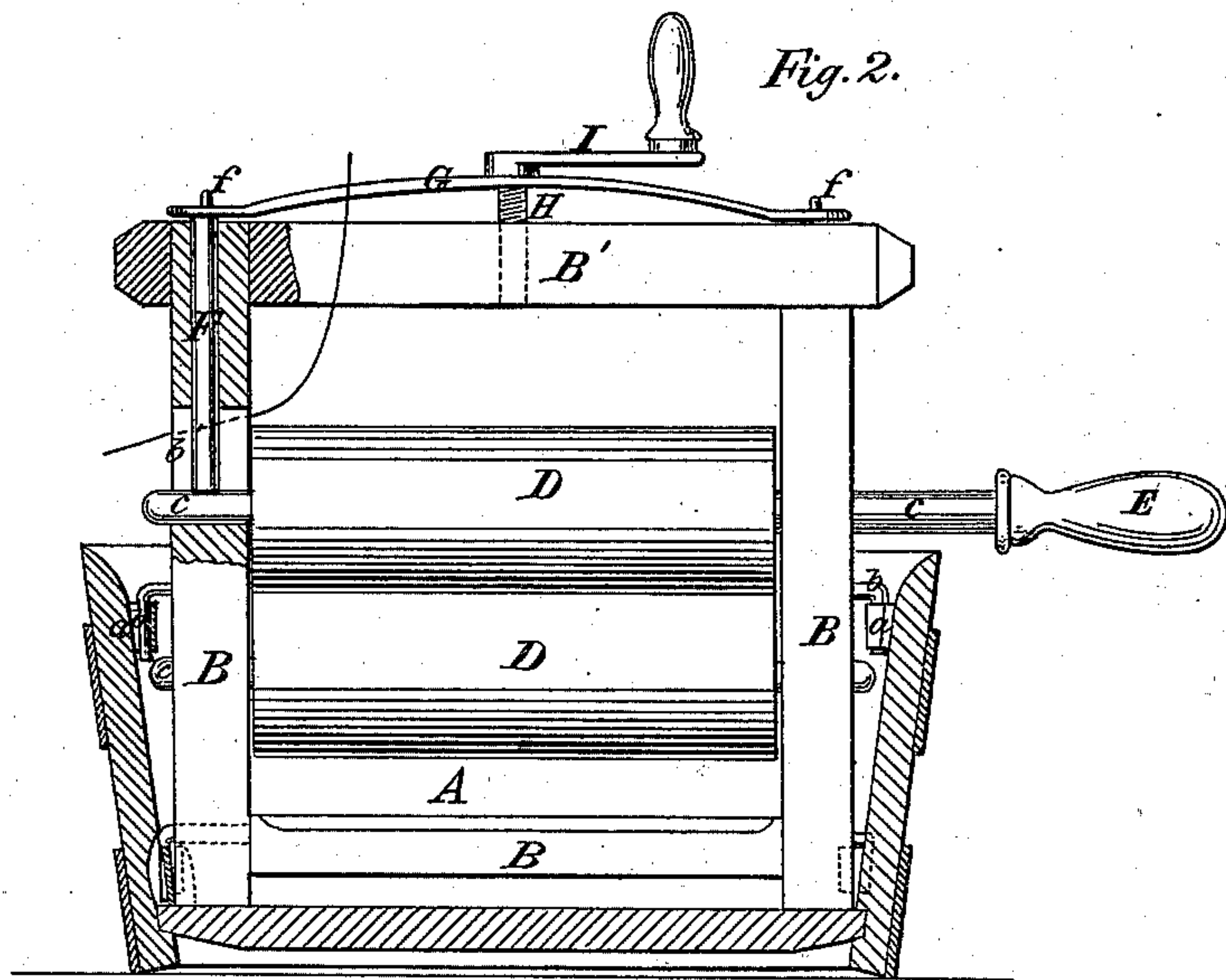
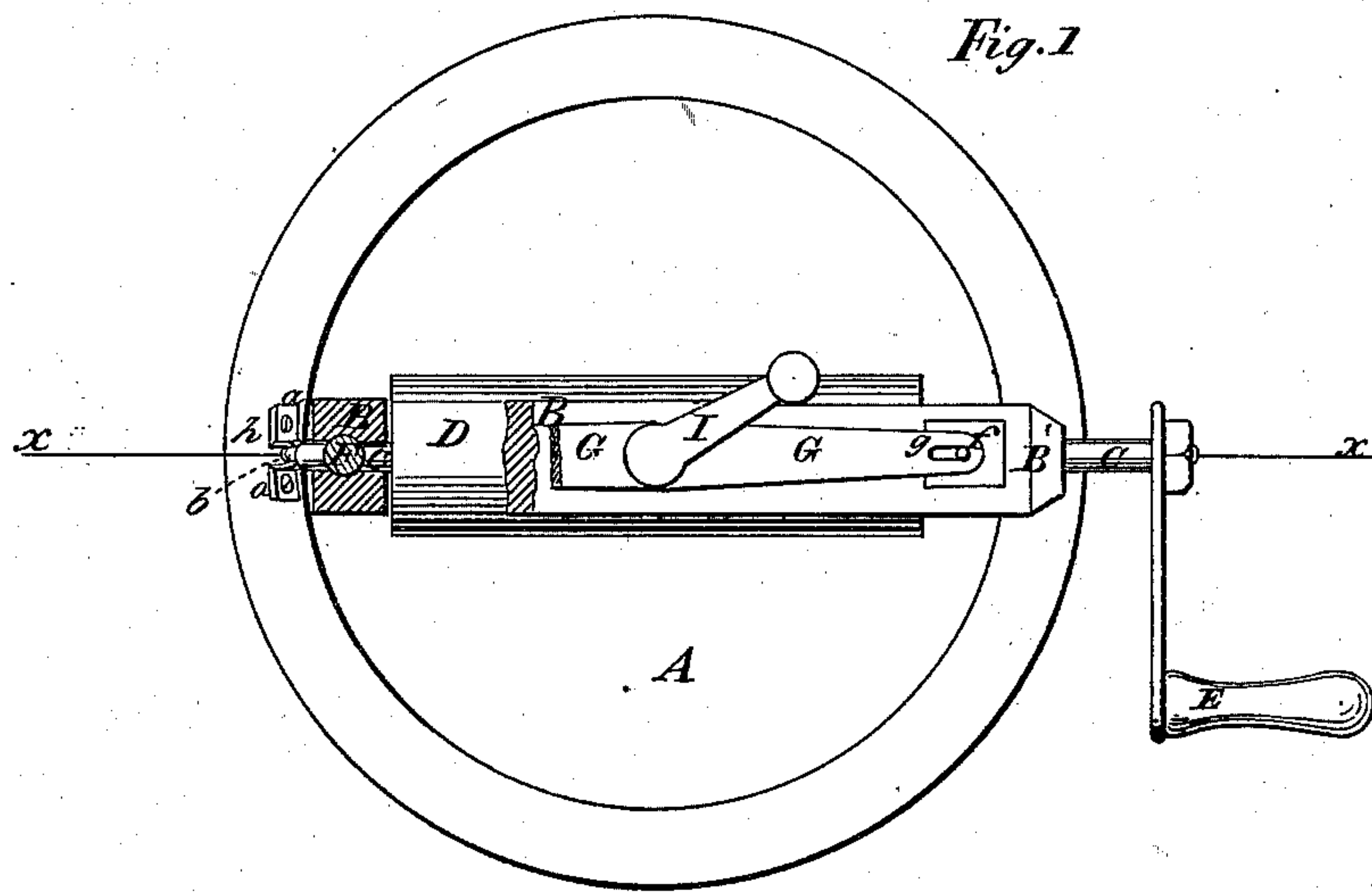


H. W. White,
Washing Machine,
N^o 66,195; Patented June 25, 1867.



Witnesses,
James L. Ewin
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Inventor,
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United States Patent Office.

HIRAM W. WHITE, OF OLNEY, ILLINOIS.

Letters Patent No. 66,195, dated June 25, 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, HIRAM W. WHITE, of Olney, in the county of Richland, and State of Illinois, have invented a new and useful improvement in Washing Machines ; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, which are made part of this specification.

This invention consists in so constructing and arranging the mechanism of a washing machine as to adapt it to be readily used in an ordinary wash-tub. In the drawings—

Figure 1 is a plan view.

Figure 2 is a vertical section on the line *x x*, fig. 1.

A represents a wash-tub constructed in the usual way, and on its interior provided with staples or sockets *a* for the reception of the hooks *b* on the sides of the frame B, which is perforated to form bearings for the shafts C of the rolls D. The upper bearings are made oblong, as shown at *b'*, to allow the rolls to accommodate themselves to the clothes which are passed between them, and the upper shaft is elongated, and provided with a crank, E, by which to rotate them, the bottoms of the bearings of the upper shaft being at a sufficient height to support the shaft above the upper edge of the tub. Those parts of the battens B, above the bearings of the upper shaft, are made tubular for the rods F to pass through. These rods are preferably made of wood or soft metal, so that in bearing upon the shaft they will wear the same as little as possible, and are provided with pins *f* in their upper ends, which pass through oblong slots *g* in the ends of the spring G, whose centre is also provided with a hole for the passage of the pressure-screw H, which has its bearing in the cross-batten B' of the frame B, and is manipulated by the crank I, their joint forming the bearing shoulder. The sockets *a* may be constructed and attached as shown at *z*, fig. 1, or may be supplaccd by ordinary staples or sockets having screw-shanks. The rolls D may be either smooth or corrugated, and be made of any suitable material, and any desired number of them used.

The operation is as follows: The frame being in position, and the tub filled to a proper height with water, the clothes are properly soaped and passed back and forth between the rolls until entirely clean, the pressure being regulated by the screw in the top of the frame to suit the size of the clothes being washed.

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

1. The roller washing machine B C D E, provided with attaching devices to secure it within a common wash-tub, substantially as described.

2. In connection with the above, I further claim the pressure device F G H J, in combination with the rolls D and frame B B', as and for the purpose specified.

To the above specifications of my new and useful improvements in washing machines I have hereunto signed my hand and seal this 26th day of April, A. D. 1867.

HIRAM W. WHITE. [L. s.]

Witnesses:

J. C. SCOTT,

C. I. WILMANS.