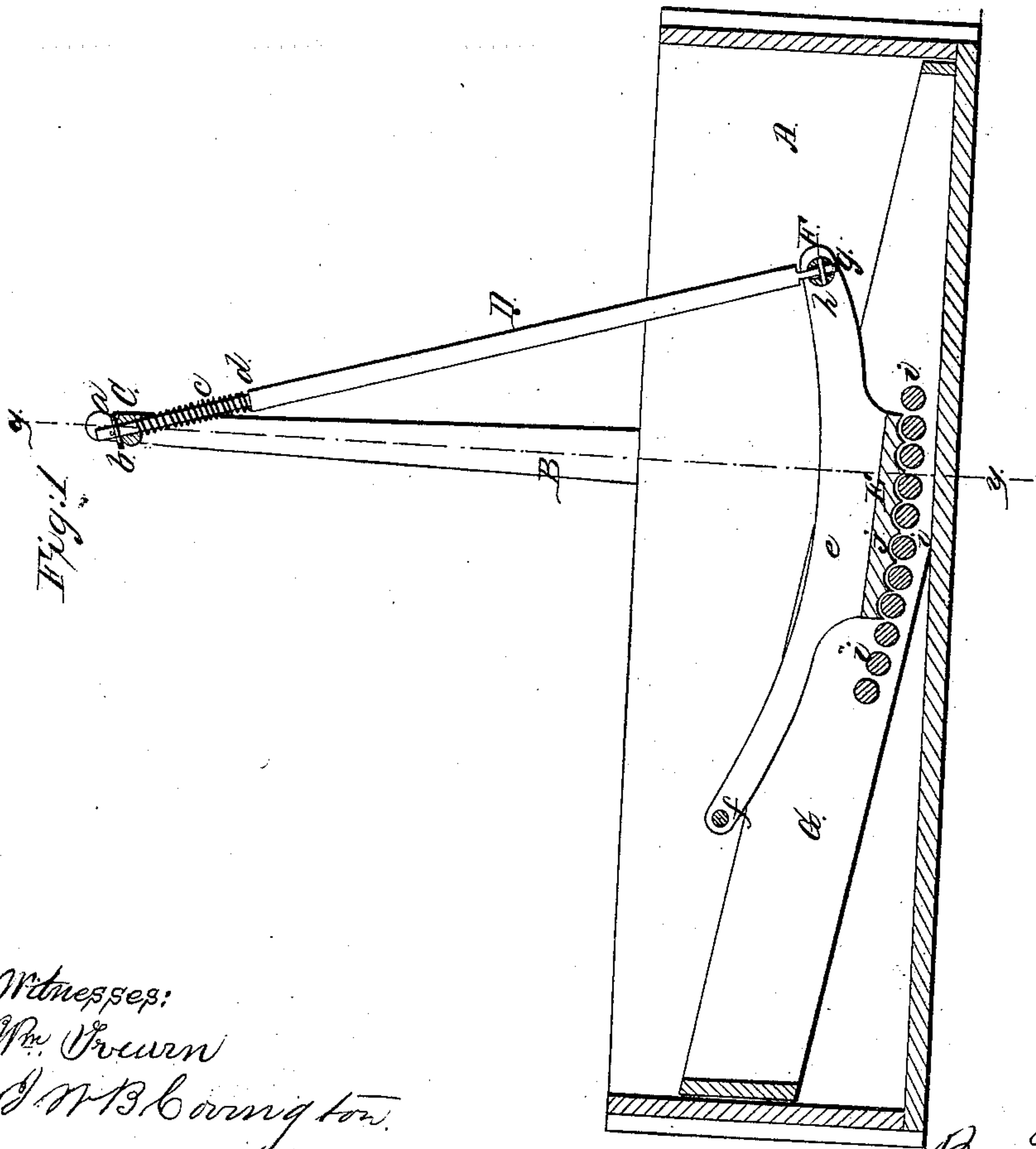
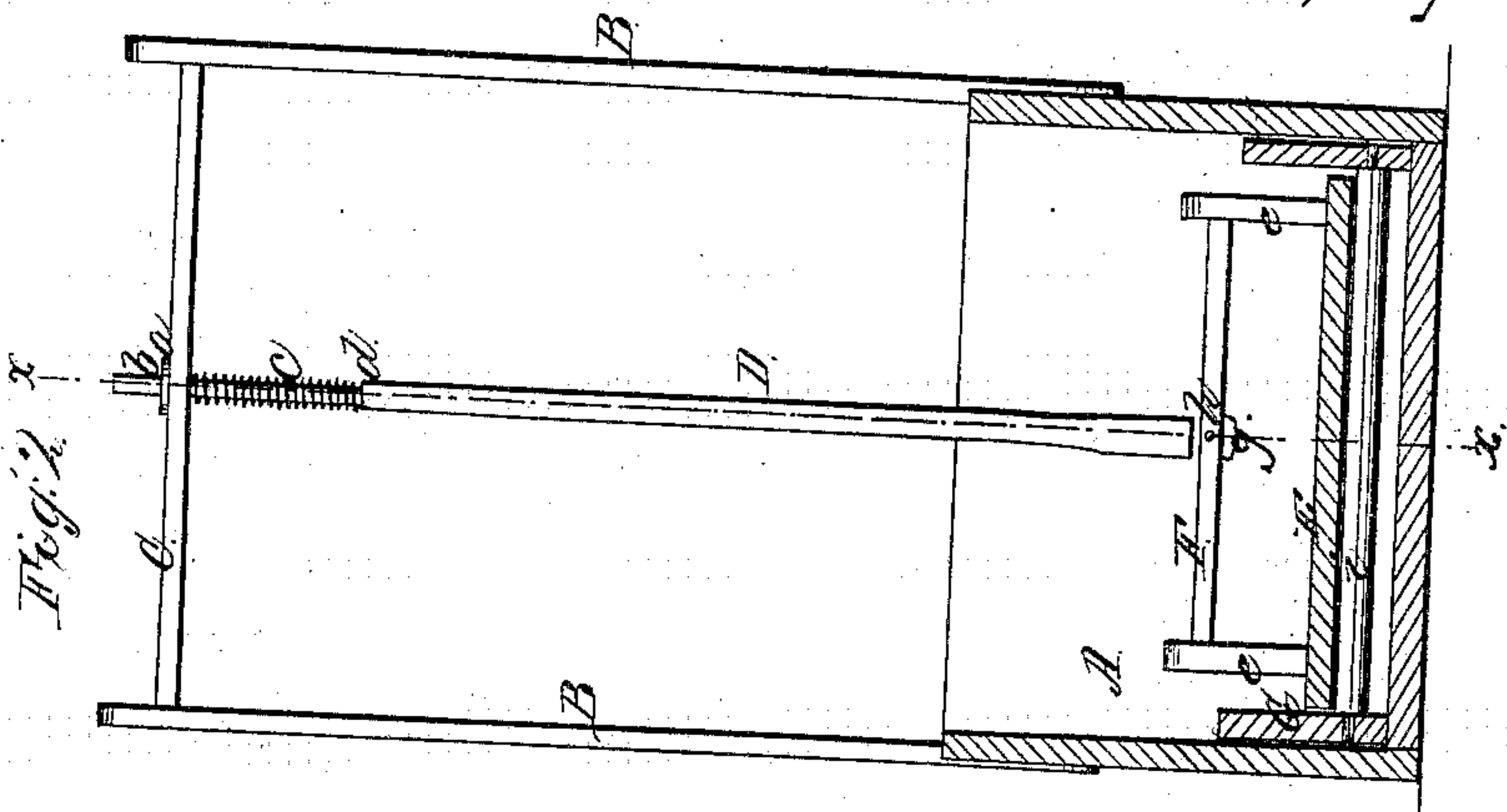


J. Davenport

Washing Machine.

N^o 50,100.

Patented Sep. 26, 1865.



Witnesses:
 Wm. Urcum
 J. W. B. Coorington.

Inventor
 J. Davenport
 By *William C. Ketch*

UNITED STATES PATENT OFFICE.

JOSEPH DAVENPORT, OF NEPEUSKUN, WISCONSIN.

WASHING-MACHINE.

Specification forming part of Letters Patent No. **50,100**, dated September 26, 1865.

To all whom it may concern:

Be it known that I, JOSEPH DAVENPORT, of Nepeuskun, in the county of Winnebago and State of Wisconsin, have invented a new and Improved Clothes-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 side sectional view of my invention, taken in the line *x x*, Fig. 2; Fig. 2, a transverse vertical section of the same, taken in the line *y y*, Fig. 1.

Similar letters of reference indicate like parts.

This invention relates to a new and improved clothes-washing machine of that class in which a swinging rubber is employed and arranged to work over a stationary or fixed wash-board.

The invention consists in a novel way of hanging the rubber, whereby the same is rendered capable of being operated or manipulated with the greatest facility, and in such a manner as to conform to the clothes on the wash-board and subject all parts of the clothes to a requisite degree of rubbing and friction to insure a thorough cleansing of the same.

A represents the suds-box, which may be constructed of rectangular or other form, and has an upright, B, attached to each side of it. Between the upper parts of the uprights B B there is fitted a shaft, C, which turns freely on journals or pivots, and through the center of the shaft C a rod, D, passes loosely, and has a collar, *a*, upon it above the shaft, which collar is kept in place by a pin or key, *b*. On the rod D, below the shaft C, there is placed a spiral spring, *c*, the upper end of which bears against the shaft C and the lower end against a shoulder, *d*, on the rod.

E represents the rubber, which is composed of two parallel sides, *e e*, connected at one end by a bar, *f*, which serves as a handle, and connected at the opposite end by a shaft, F, which is allowed to turn freely on journals or pivots.

The lower end of the rod D has a tenon, *g*, formed upon it, which tenon passes loosely through the center of the shaft F and is secured therein by a pin, *h*. The mortise in the shaft F is longer than the width of the tenon *g*, in order to admit of the rubber having a lateral movement on the pin *h*.

G is a frame fitted in the suds-box A, and secured therein to its sides in an inclined position, as shown in Fig. 1. In this frame G there are placed a series of rollers, *i*, in the form of a concave, over which the rubber E works. This concave forms a portion of a circle concentric with the under surface of the rubber E, which is corrugated, as shown at *j* in Fig. 1, the shaft C being at the center of the circle of which the concave forms a part.

The clothes to be washed are placed on the concave or rollers *i*, the box A being provided with a requisite quantity of suds; and the rubber E is moved back and forth over the clothes in the arc of a circle, the spring *c* serving to keep the rubber in place, and the latter tilting or inclining at either side to conform to the clothes on the concave—a result due to the use of the single rod D, pivoted to the rubber, as described.

The rubber may be turned up out of the way with the greatest facility when clothes are to be taken out or put in the suds-box, and the rubber may be operated with ease or with but little labor.

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

The rubber E, suspended or hung from the shaft C by a single rod, D, which is pivoted in a shaft, F, at one end of the rubber, to admit of a lateral adjustment of the same, as well as a forward-and-backward movement, in connection with the concave of rollers *i*, all being arranged to operate substantially in the manner as and for the purpose set forth.

JOSEPH DAVENPORT.

Witnesses:

JAMES H. FOSTER,
IRA R. LATHROP.