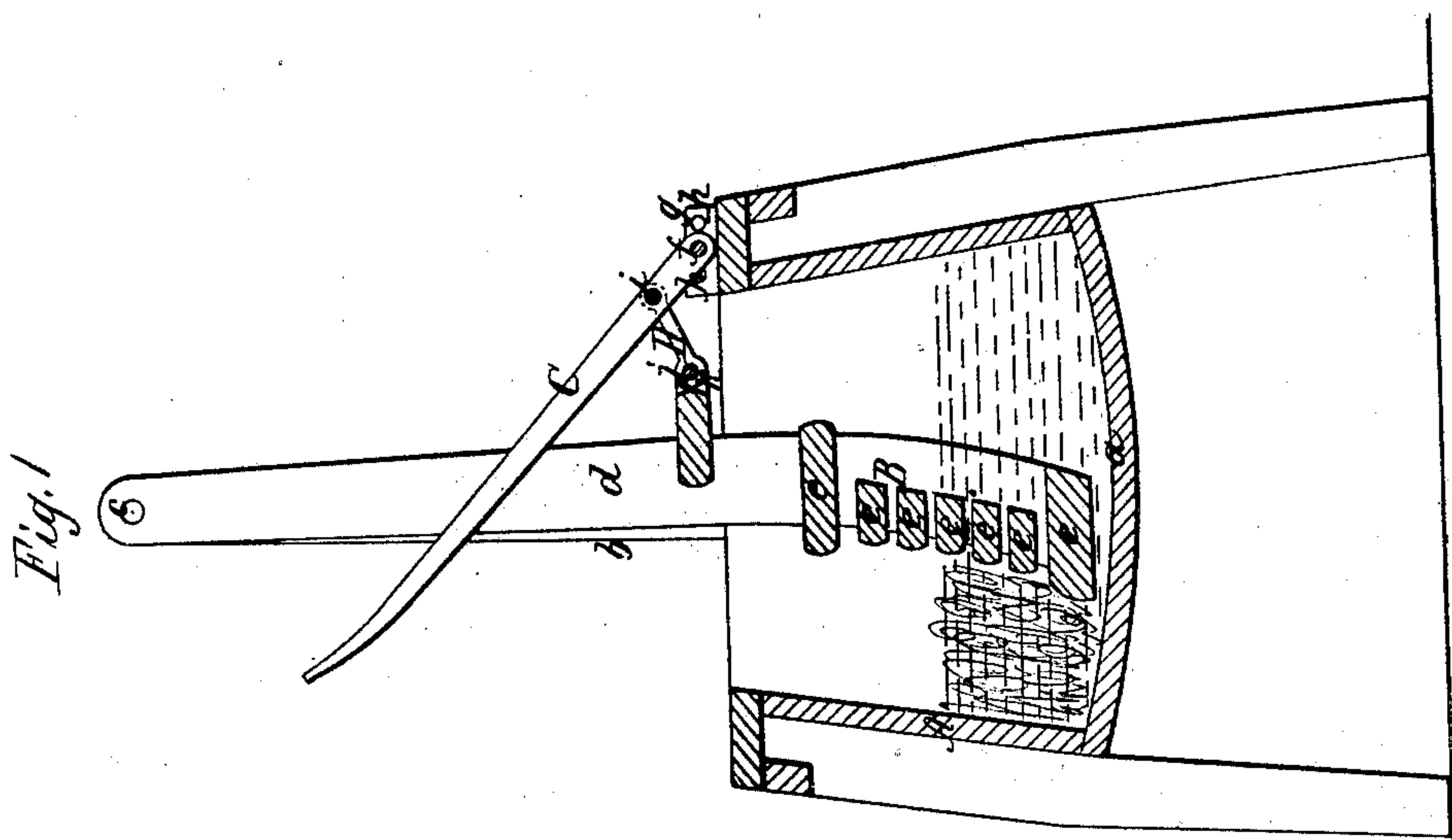
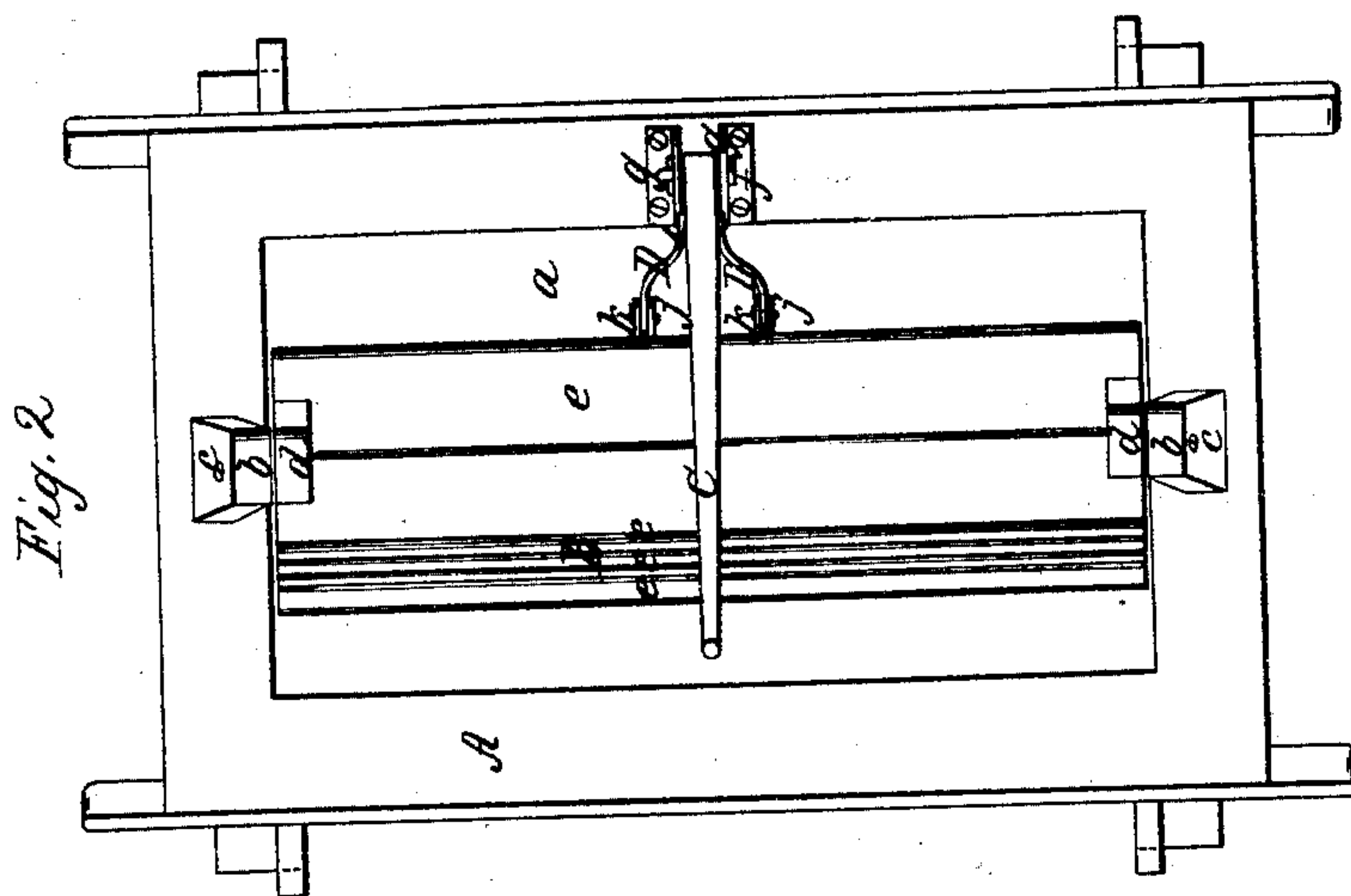


E. Young,
Washing Machine.

Nº 35,195,

Patented May 6, 1862.



Witnesses
J. Loombs
Geo. Reed

Inventor
E. Young
per Munn & Co
Attorneys

UNITED STATES PATENT OFFICE.

ERASTUS YOUNG, OF PENATAQUIT, NEW YORK.

IMPROVED WASHING-MACHINE.

Specification forming part of Letters Patent No. 35,195, dated May 6, 1862.

To all whom it may concern:

Be it known that I, ERASTUS YOUNG, of Penataquit, in the county of Suffolk and State of New York, have invented a new and Improved Washing-Machine; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a transverse vertical section of my invention. Fig. 2 is a plan or top view of the same.

Similar letters of reference in both views indicate corresponding parts.

This machine belongs to that class of washing-machines in which the cleaning of the clothes is effected by squeezing or pressing them repeatedly between a slatted pressure-board and the side of the tub or suds-box.

This invention consists in the arrangement of a hand-lever with an adjustable fulcrum, in combination with toggle-arms and with an oscillating pressure-board in such a manner that by changing the position of the fulcrum of the hand-lever the pressure-board can be adjusted for clothes of different size and of different fabric, and that the clothes can thus be subjected to any desirable pressure, and the washing effected without much exertion of the operator and without the least injury to the fabric.

To enable those skilled in the art to make and use my invention, I will proceed to describe its construction and operation with reference to the drawings.

The tub or suds-box A of my washing-machine is made of wood or any other suitable material, square with slightly-inclined sides and with a rounded bottom, *a*, as clearly shown in Fig. 1 of the drawings. From the ends of this box two standards, *b*, rise, which form the bearings for the pins or pivots *c*, from which the pressure-board B is suspended. This pressure-board consists of two vertical arms, *d*, and of a series of horizontal slats, *e*, which are secured to said arms at certain intervals, so that the water can pass freely through between them. The front edges of said slats, which act upon the clothes, are rounded, and the arms *d* are slightly curved, so that the surface of the pressure-board as the same approaches the side of the box is parallel with the same, or nearly so, as clearly shown in Fig. 1.

An oscillating motion is imparted to the pressure-board by means of a hand-lever, C, the fulcrum-pin *f* of which is adjustable in two lugs, *g*, with a series of holes, *h*, said lugs being firmly secured on the edge of the said box. The lever C connects with the pressure-board by toggle-arms D, that are attached to said lever by means of a pivot, *i*, and to the edge of the upper slat of the pressure-board by means of a pivot, *j*, passing through lugs or ears *k*, which are firmly secured to the edge of said slat.

By moving the hand-lever C up and down the pressure-board is brought up to or removed from the side of the tub or suds-box, and the clothes, which are placed between the said side and the pressure-board, are pressed and squeezed repeatedly, and thereby the washing is effected.

In order to adjust the pressure-board to clothes of different size or of different fabric, the position of the fulcrum-pin *f* of the lever C is changed, and it will be easily understood that by placing said fulcrum-pin in one of the holes farther from the inner edge of the suds-box the distance between the pressure-board and the opposite side of the suds-box is increased, and consequently the pressure exerted on the clothes is diminished, and by placing said fulcrum-pin in one of the holes nearer to the inner edge of the suds-box the distance between the pressure-board and the opposite side of the suds-box is diminished and the pressure upon the clothes is increased. This change is very easily effected, and the washing of the clothes can then be accomplished without the least injury to the fabric and with little exertion of the operator.

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

The arrangement of the adjustable fulcrum-pin *f*, in combination with the hand-lever C, toggle-arms D, pressure-board B, and suds-box A, all constructed and operating as and for the purpose set forth.

ERASTUS YOUNG.

Witnesses:

RICHARD W. SMALLING,
W. SCUDDER.