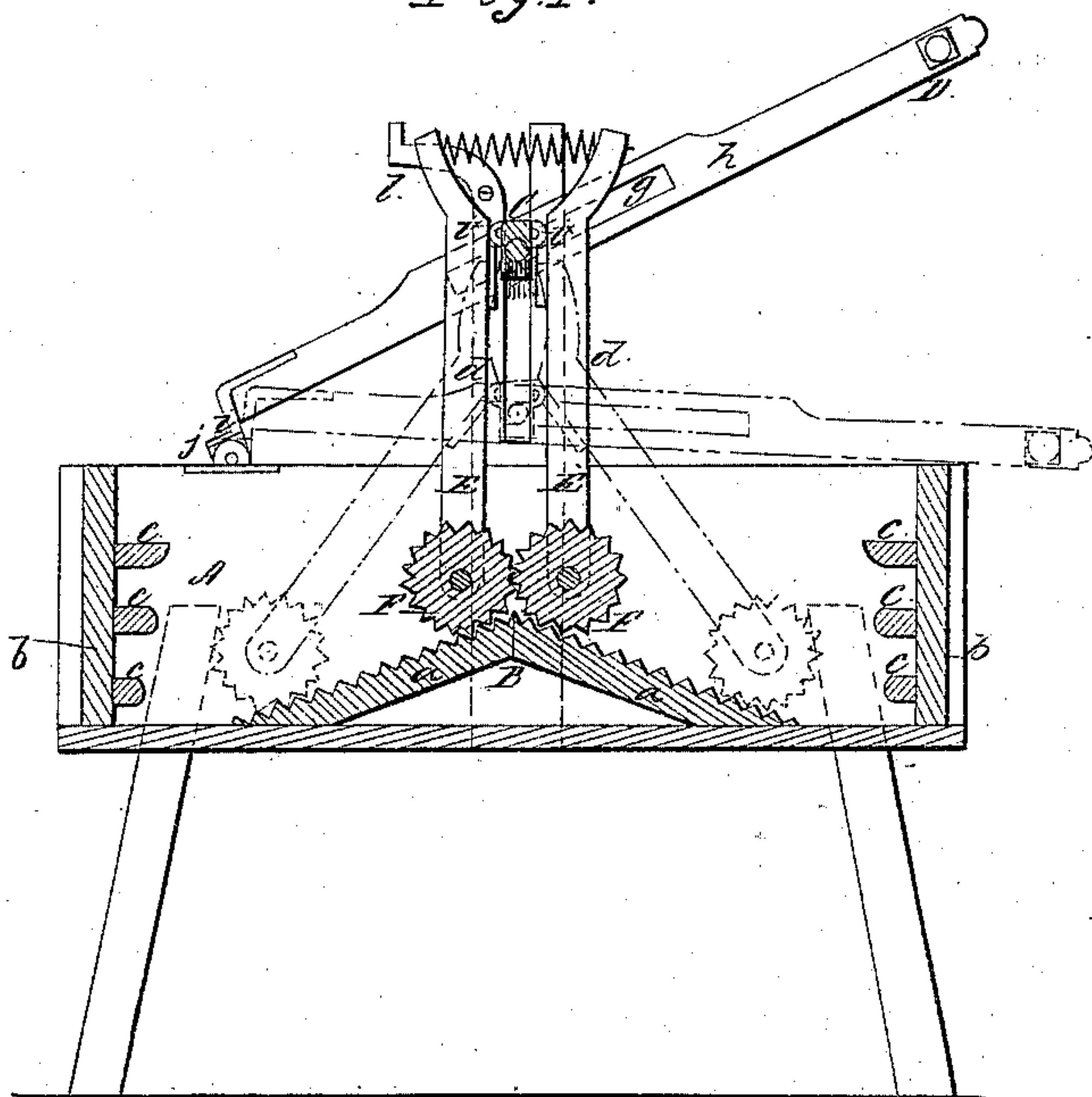


# *J Adams, Washing Machine.*

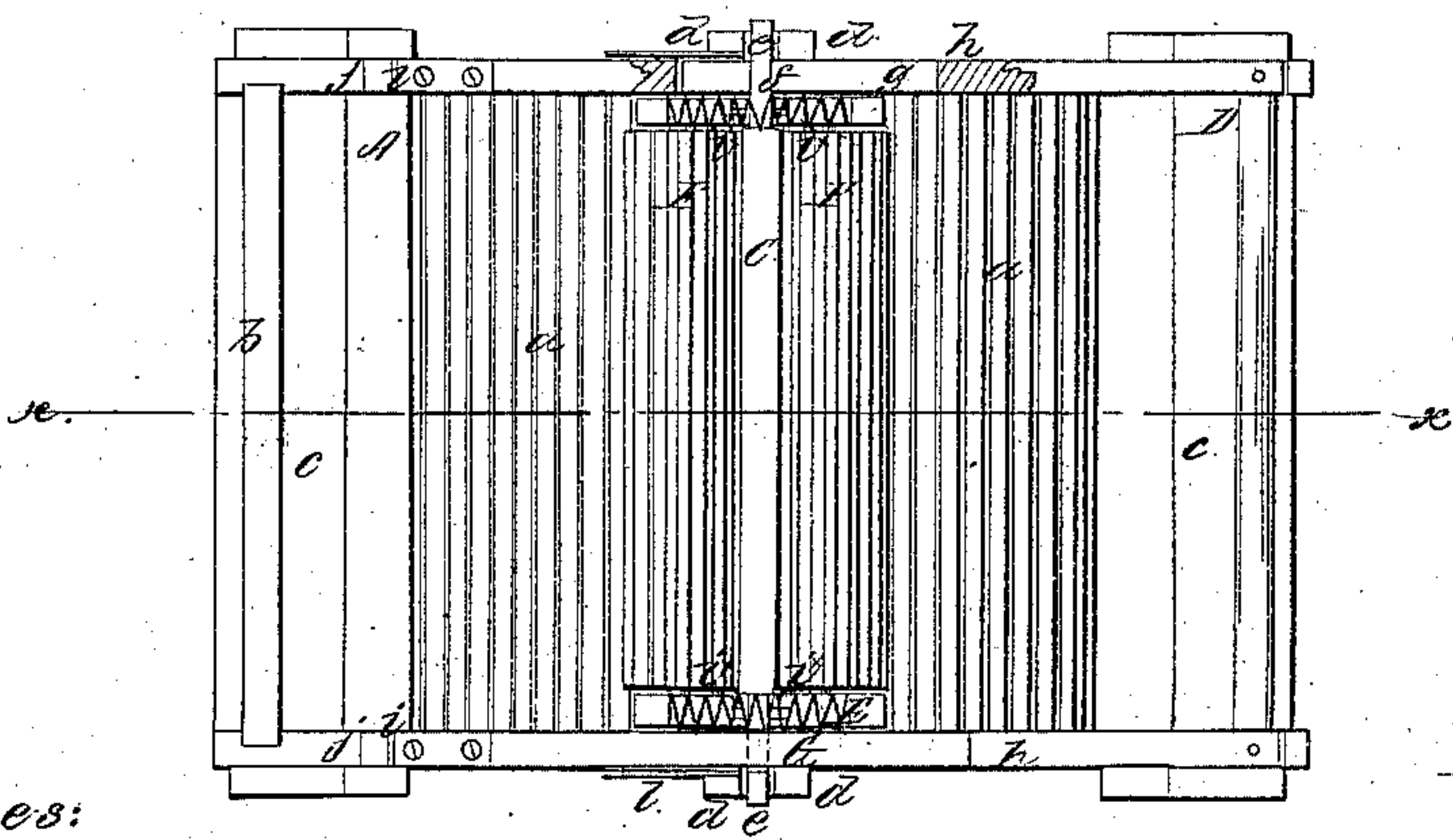
*N<sup>o</sup> 43,277.*

*Patented June 28, 1864.*

*Fig. 1.*



*Fig. 2.*



*Witnesses:  
J W Coombs  
Henry Morris*

*Inventor:  
Jos Adams.  
By Munn & Co  
Attys*

# UNITED STATES PATENT OFFICE.

JOSEPH ADAMS, OF JANESVILLE, WISCONSIN.

## IMPROVED WASHING-MACHINE.

Specification forming part of Letters Patent No. 43,277, dated June 28, 1864.

*To all whom it may concern:*

Be it known that I, JOSEPH ADAMS, of Janesville, in the county of Rock 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 any person skilled in the art to make and use the same, reference being had to the accompanying drawings, making a 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 plan or top view of the same.

Similar letters of reference indicate the same parts.

This invention consists in the employment of pressure-rollers connected with a lever-frame in a novel manner and used in connection with a double-inclined clothes-board fitted in a proper suds-box having cleats secured to the inner surfaces of its ends, the lever-frame being arranged in connection with upright guides, and all arranged substantially as hereinafter set forth, whereby the clothes are acted upon in the most favorable manner for their perfect cleansing from dirt, both the rubbing and squeezing operations being gone through with in the washing process.

A represents a rectangular suds-box which is supported at a suitable height by legs or a proper framing, and having within it a double-inclined board, B, which is corrugated or fluted transversely. The two sides *a a* of the board B may have any proper degree of inclination, and they extend to within a short distance of the ends *b* of the suds-box A, said ends having slats *c* attached horizontally to their inner surfaces, as shown clearly in Fig. 1.

To each side of the suds box A there are attached two uprights, *d d*, between which the ends of a bar, C, are fitted and work, the ends *e* of said bar being flattened so that it cannot turn between the uprights *d d*. This bar C has round or cylindrical portions *f* formed upon it just within the flattened ends *e*, and these

round portions work or are fitted in oblong slots *g*, made in the sides *h h* of a lever-frame, D, the sides *h h* being attached by hinges *i i* to the top of the sides of the suds-box A. The hinges *i i* are formed with projections *j* on their upper leaves, to prevent the frame D being turned or moved upward beyond a certain distance.

To the bar C there are attached by hinges two pairs of pendent bars, E E, a pair of bars being near each end of the bar C, and between a bar E or each pair there is fitted a fluted roller, F. The upper ends of the bars E E extend above the bar C, and they are connected by spiral springs G, which have a tendency to keep the two rollers F F in contact with each other. These two rollers, when in contact with each other, are at the summit of the two sides *a a* of the inclined board; and it will be seen that by depressing the lever-frame D the two rollers will be forced apart and made to pass down over the sides *a a*, said rollers, as the frame D is raised, being made to approach each other and pass up the sides *a a* under the action of the springs G G. The oblong slots *g* in the sides *h h* admit of the proper working of the lever-frame upon the bar C. One of the uprights *d* at each side of the suds-box A is provided with an arm, *l*, which is curved over in a horizontal direction to serve as a rest for the bar C when the latter is elevated sufficiently, and thereby support the rollers F F in an elevated position above the inclined board B. These rollers F may be adjusted to one end of the suds-box, entirely out of the way, by elevating the lever-frame D to its extreme height. Thus it will be seen that the clothes may be acted upon on both of the inclined sides *a a* simultaneously; and it will further be seen that clothes may be squeezed or compressed between the rollers F F and the ends of the suds-box A.

The box A is of course provided with the requisite amount of suds. The device, as a whole, is simple and virtually performs the office of four distinct machines—to-wit, the two inclined sides *a a* performing with the two



rollers a double rubbing operation, and with the slats *c* a double squeezing or pressing operation.

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

1. The employment or use of a double-inclined board, *B*, in connection with the two rollers *F F*, arranged with the yielding bars *E E*, lever-frame *D*, uprights *d d*, and bar *C*,

or their equivalents, to operate in the manner substantially as and for the purpose set forth.

2. In combination with the above, the slats *c* at the ends of the suds-box *A*, as and for the purpose specified.

JOSEPH ADAMS.

Witnesses:

MARCUS SCHUYLER,  
NOAH G. KENISTON.