

J. Doty Jr & A. H. Doty,
Washing Machine Rubber,
N^o 32,417. *Patented May 28, 1861.*

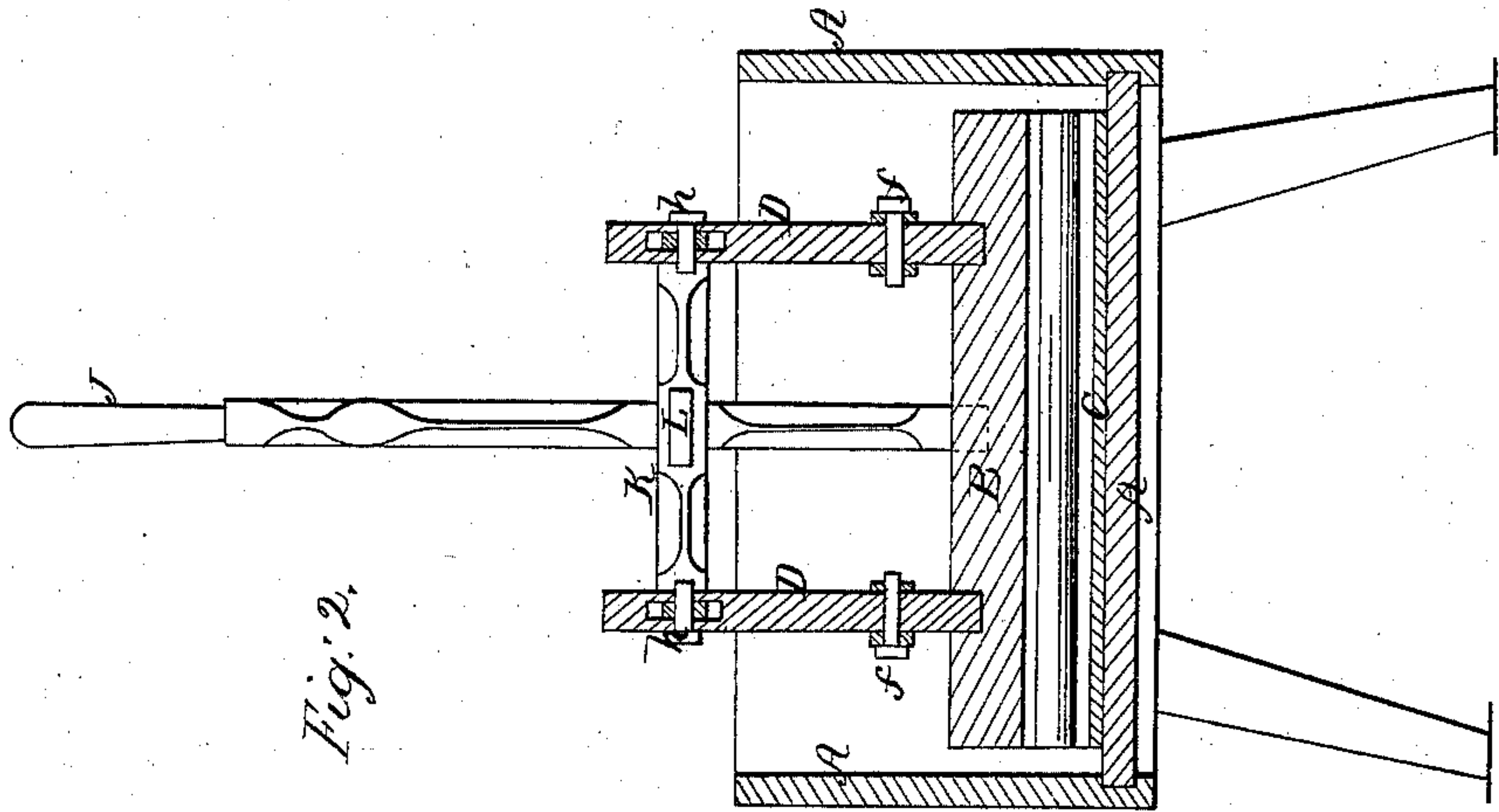


Fig. 2.

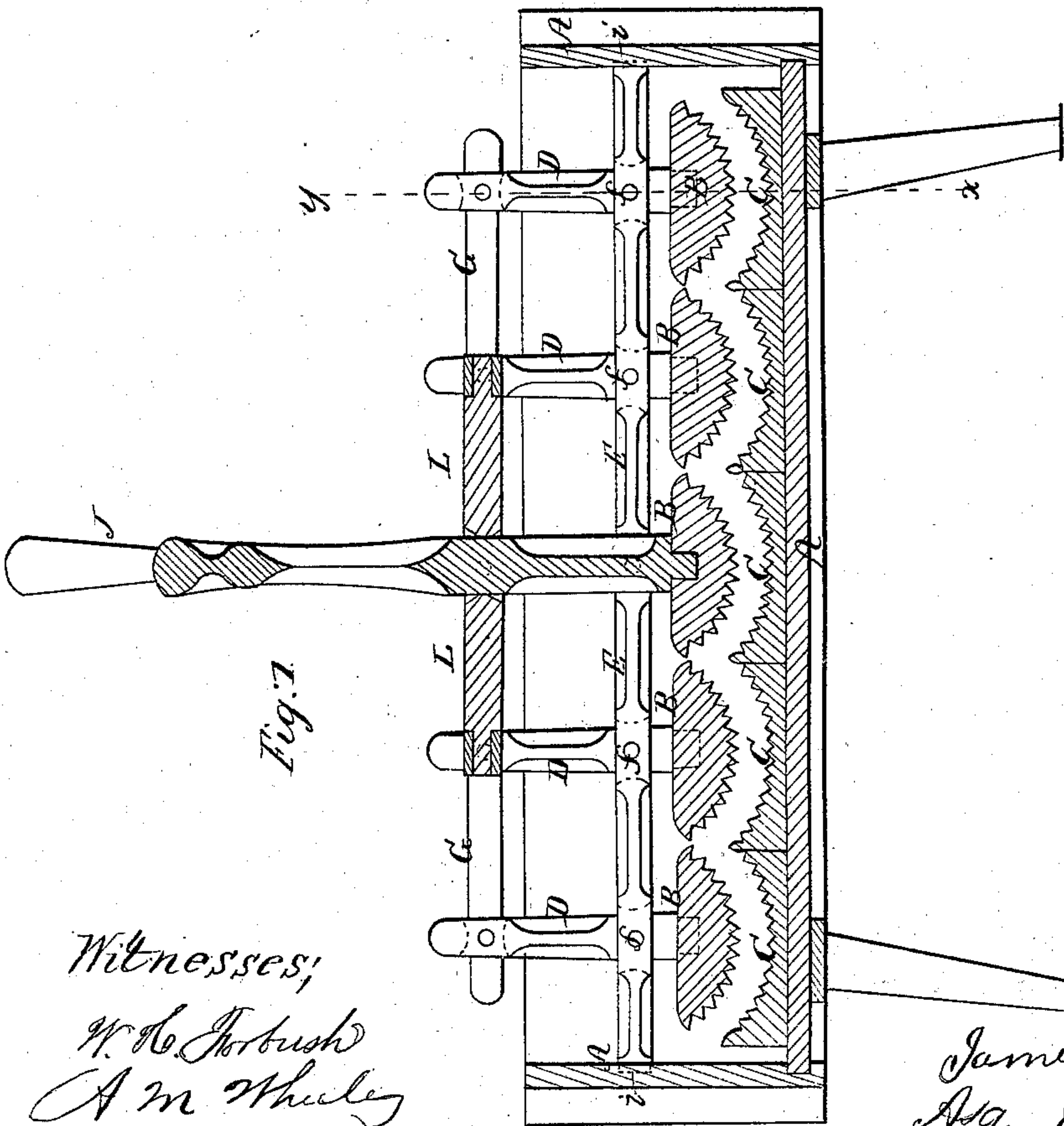


Fig. 1.

Witnesses;
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UNITED STATES PATENT OFFICE.

JAMES DOTY, JR., AND ASA H. DOTY, OF WEST FALLS, NEW YORK.

WASHING-MACHINE.

Specification of Letters Patent No. 32,417, dated May 28, 1861.

To all whom it may concern:

Be it known that we, JAMES DOTY, JR., and ASA H. DOTY, of West Falls, in the county of Erie and State of New York, have invented certain new and useful Improvements in Washing-Machines; and we do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings and to the letters of reference marked thereon, in which—

Figure (1) represents a longitudinal section, and Fig. (2) an end view.

The nature of our invention consists in the employment of convex corrugated sectional rubbers, also a corresponding number of scalloped concave corrugated blocks in combination with a flexible frame when the same shall be constructed and operated substantially in the manner and for the purpose hereinafter set forth.

To enable others skilled in the art to make and use our invention we will now describe its construction and operation.

(A) represents a rectangular box, the bottom of which is provided with a series of blocks (C C), said blocks should be scalloped and corrugated, as fully shown in Fig. (1). It would be advisable we think to leave a space of about one inch between the ends of the block and the side of the box as represented in the drawings.

(B B) are convex corrugated rubbers or pressers, each being provided with a post (D) except the middle one to which is secured the lever (J).

(E E) represents two parallel rails to which are pivoted the posts (D D) at the points (f f).

(G G) are the upper rails, also pivoted to posts (D D) as seen in Fig. (1).

(K K) are cross pieces and (L L) tie rails, all arranged as fully represented in the drawings. Thus a rocking or flexible frame is obtained.

It should be observed that the parallel rails (E E) should fit in a groove at each end of the box which will keep the frame in its proper position.

The advantages which are obtained by thus constructing a washing machine are obvious, and its mode of operation is of a double nature first by the employment of sectional rubbers operated by means of a flexible or rocking frame the clothes are both pressed and rubbed at the same moment.

It will also be observed that the tearing of clothes of however fine a texture is effectually prevented as the movement of the rubbers is simultaneous and in the same direction and withal the space over which they pass is so short that this difficulty cannot occur. The wear on the clothes will therefore be very slight, a feature which cannot be claimed but for very few machines in use.

In operating our machine the frame is removed and water placed in the box—the articles to be washed are then placed in, and the frame secured in its proper position. The lever or handle (J) is then worked backward and forward until the clothing is perfectly cleansed.

Having thus fully described our invention what we claim and desire to secure by Letters Patent is—

The rocking or flexible frame in combination with the sectional convex corrugated rubbers B B, and scalloped concave corrugated blocks (C C), when all shall be arranged substantially as and for the purposes specified.

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Witnesses:

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