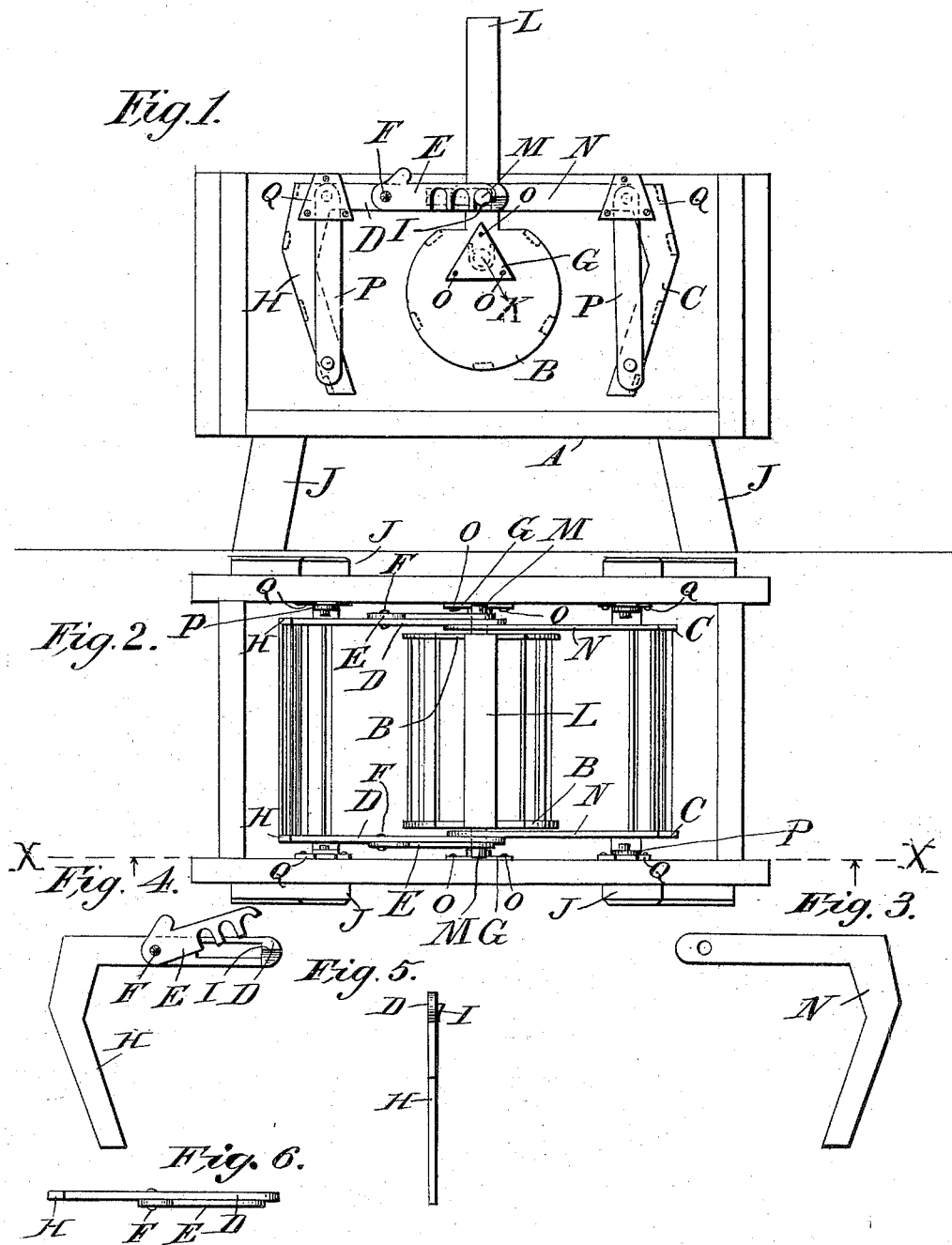


(Model.)

C. FLANDERS.
WASHING MACHINE.

No. 493,919.

Patented Mar. 21, 1893.



Witnesses:
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Orvil Flanders

Inventor:
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UNITED STATES PATENT OFFICE.

CALVIN FLANDERS, OF BRANTFORD, CANADA.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 493,919, dated March 21, 1893.

Application filed February 25, 1892. Serial No. 422,821. (Model.)

To all whom it may concern:

Be it known that I, CALVIN FLANDERS, a citizen of the Dominion of Canada, and a subject of Her Majesty the Queen of England, residing at Brantford, in the county of Brant and Province of Ontario, Canada, have invented a new and useful Washing-Machine, of which the following is a specification.

My invention relates to improvements in washing machines in which there is a center rubbing cylinder operated in conjunction with two reciprocating squeezing washers, and the object of my improvement is (first) to provide means by which the machine can be more easily operated, (second) to afford facilities for readily changing the machine, so that it will wash a large, or small quantity of clothes. I attain these objects by the mechanism illustrated in the accompanying drawings, in which,—

Figure 1. is a side vertical section taken on line $x-x$ Fig. 2. Fig. 2. is a top view of the machine showing the connection of cylinder with the squeezing washers. Fig. 3. is a side view of one of the arms and squeezing washers. Fig. 4. is a side view of the other arm and squeezing washer, and latch attached to arm. Fig. 5. is an end view of Fig. 4. Fig. 6. is a top view of Fig. 4.

Similar letters refer to similar parts throughout the several views.

A. is the suds box. Its legs or standards J. J. secured to the sides of said box, constitute the frame work of the machine.

In the suds box, A. are located the rubbing cylinder, B. and the squeezing washers, H. and C. which the arms D. D. and N. N. form a part of. The washers H. and C. are supported by swinging links P. P. pivoted on brackets, Q. Q. at the top end. Said brackets, Q. Q. are fastened to the inner side of the suds box, A. The swinging links P. P. are pivoted on a pin at the lower end of the squeezing washers, H. and C. By the links, P. the washers, H. and C. are carried at the outer ends. E. E. are the latches fastened to the arms D. D. by the rivets F F. and are pro-

vided with a series of notches at their free ends.

On the sides of the suds box A. are fastened two brackets, G. G. by the rivets, O. O, in which the trunnions K. K. oscillate, and by which the center rubbing cylinder B. is carried. The arms D. and N. on each side are hooked on a pin M. projecting out a short distance on the upright arm L. by which they are operated.

L. is an upright arm one on each side by which the machine is operated. As the arms L. are moved backward, and forward, the center cylinder B. moves toward one of the squeezing washers C. and from the squeezing washer H.

I. I. is a bracket or stop for the latch E. to rest on.

The arms, D. D. have a slit in each of them.

To adjust the washers H. H. the latches, E. E. are raised, and the arms D. D. pushed backward or forward to any desired adjustment. The latches, E. are then dropped so that the notches engage the pins M. and hold such adjustment.

I am aware that prior to my invention, washing machines have been made with double action washers. I therefore do not claim such a combination broadly, but,

What I do claim as my invention, and desire to secure by Letters Patent, is—

In a washing machine, the combination of a suds box, A. the oscillating cylindrical rubber B. journaled in said suds box, and provided with the pins M. the adjustable squeezing washer C, connected by swinging links P. to the suds box A, the arms D, rigidly attached to the washer, C. and having slot connections with the pins M. the stops I, on the arms D. and the notched latches, E. pivoted to the arms, D. all substantially as shown and described.

CALVIN FLANDERS.

Witnesses:

H. J. LIVERGOOD,
JOHN CREASSER.