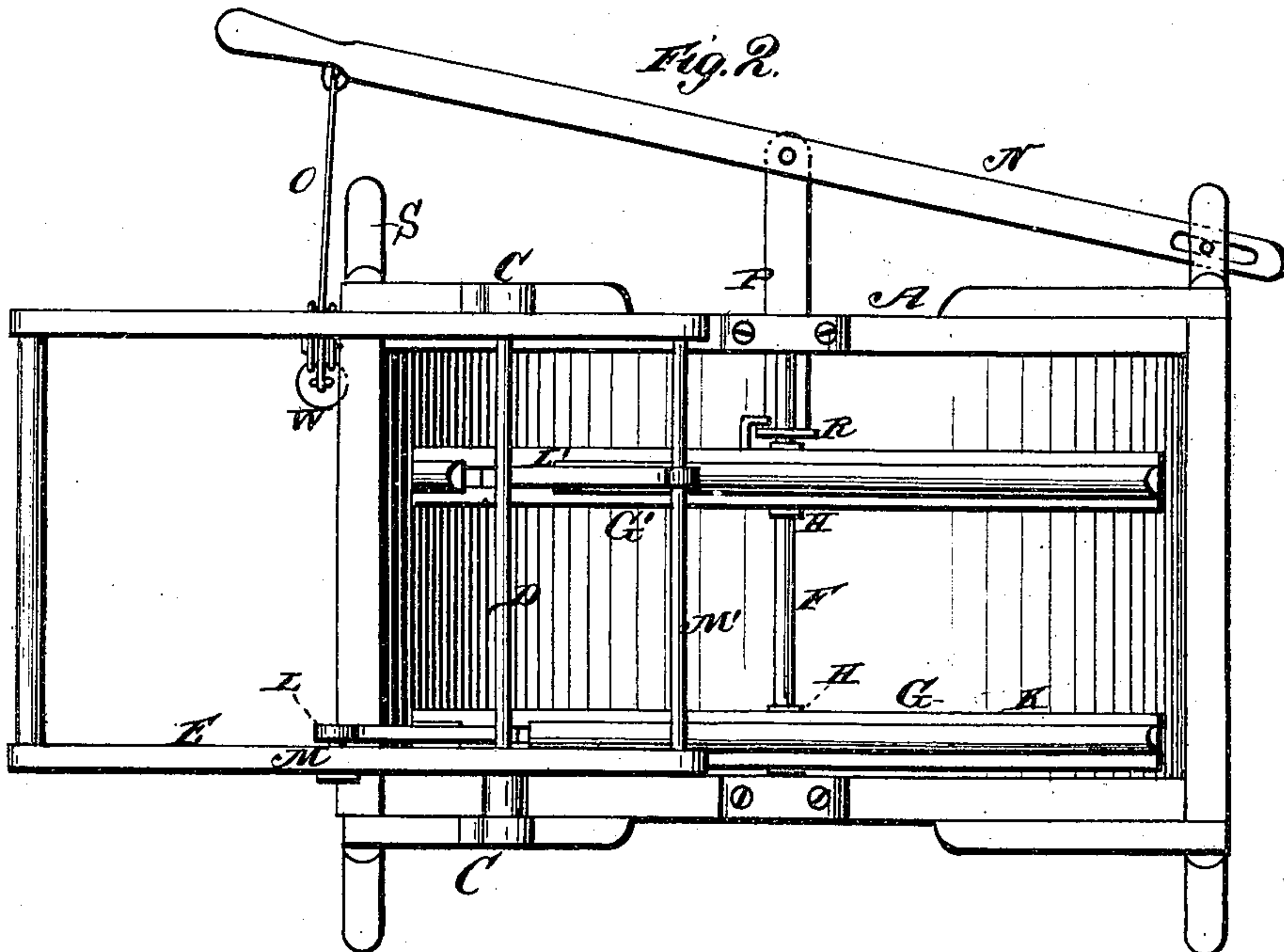
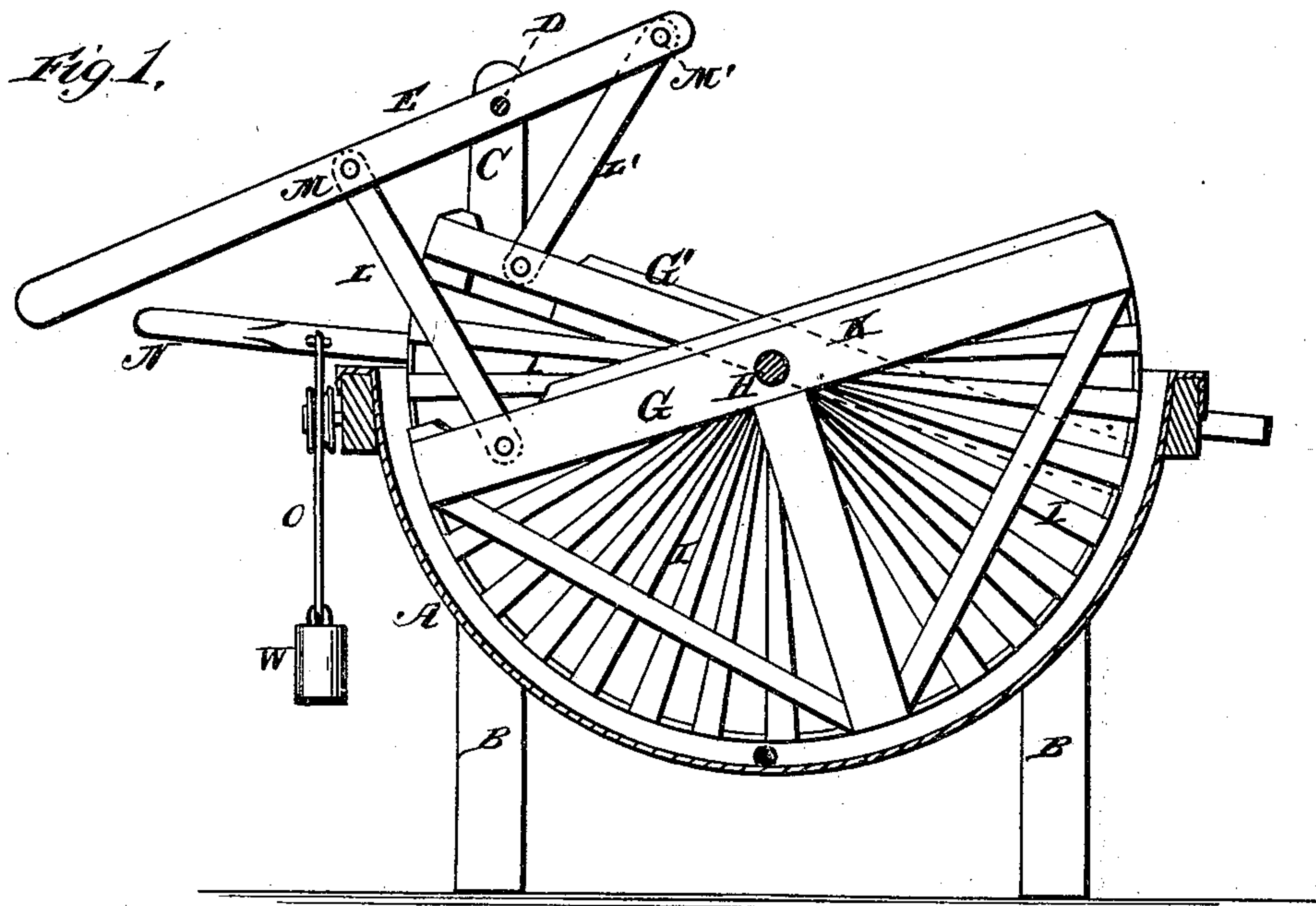


(No Model.)

J. M. PHILLIPS.
Washing Machine.

No. 230,810.

Patented Aug. 3, 1880.



WITNESSES

Robert Everett
James J. Shubert

INVENTOR

James M. Phillips
Gilmore, Smith & Co.
ATTORNEYS

UNITED STATES PATENT OFFICE.

JAMES M. PHILLIPS, OF THORNTOWN, INDIANA.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 230,810, dated August 3, 1880.

Application filed March 13, 1880. (No model.)

To all whom it may concern:

Be it known that I, JAMES M. PHILLIPS, of Thorntown, in the county of Boone and State of Indiana, have invented certain new and useful Improvements in Washing-Machines; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a vertical section of my washing-machine, and Fig. 2 is a plan view of the same.

The present invention relates to washing-machines; and it consists in the features of construction and combination hereinafter set forth and claimed.

A designates the body of the machine, the conformation of such being semi-cylindrical. B B are the supporting-legs, and C the standards, in which the rod D of the frame-shaped handle E is journaled.

F is a rod secured in the sides of the body A, and G G' are two semicircular disks, which are loosely mounted upon the rod F. Each disk is composed of a frame having a hub, H, from which radiate the bars I.

To the straight bar K of the frame of disk G is hinged a rod, L, which is pivoted at its upper end to the bar M of the vibratory handle. A like rod, L', is hinged to the semicircular disk G', and this rod is pivoted upon a cross-rod, M', of the handle. The rod L is pivoted to the handle at one side of the axis upon which the handle turns, and the rod L' is pivoted to the handle at the other side of said axis, whereby, when the handle is vibrated, these semicircular disks will be vibrated within

the tub formed by the body A in reverse directions.

N is a lever pivoted at one corner of the body A, and provided with a weighted cord, O. This lever is pivoted to a bar, P, which works through an opening formed through one side of the body A. At the end of this bar, which is within the receptacle, is a plate, R, which has an opening, said plate being arranged to slide upon the rod which constitutes the axis of the semicircular ribbed disks. This plate R connects in any suitable way with the semicircular disk G'. By shifting the lever in a horizontal plane the semicircular disk G' will be moved toward or away from the semicircular disk G, as the case may be, in order to adjust them with reference to the quantity of clothing to be rubbed and washed.

S is a projecting rest for the lever to rest upon when not in use. When the lever is thrown away from the machine the weight W will hold it in position.

What I claim is—

In a rubber washing-machine, the combination of the vertical rubber G, connected to the handle at M by the pivoted rod L, with the sliding rubber G', connected to the rod M' of the handle by the sliding rod L', and the rod F, sliding bar P, and pivoted and weighted lever N, constructed and operating substantially as and for the purposes set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JAMES M. PHILLIPS.

Witnesses:

WASH. GRIFFIN,
ALPHONSO TUCKER.