

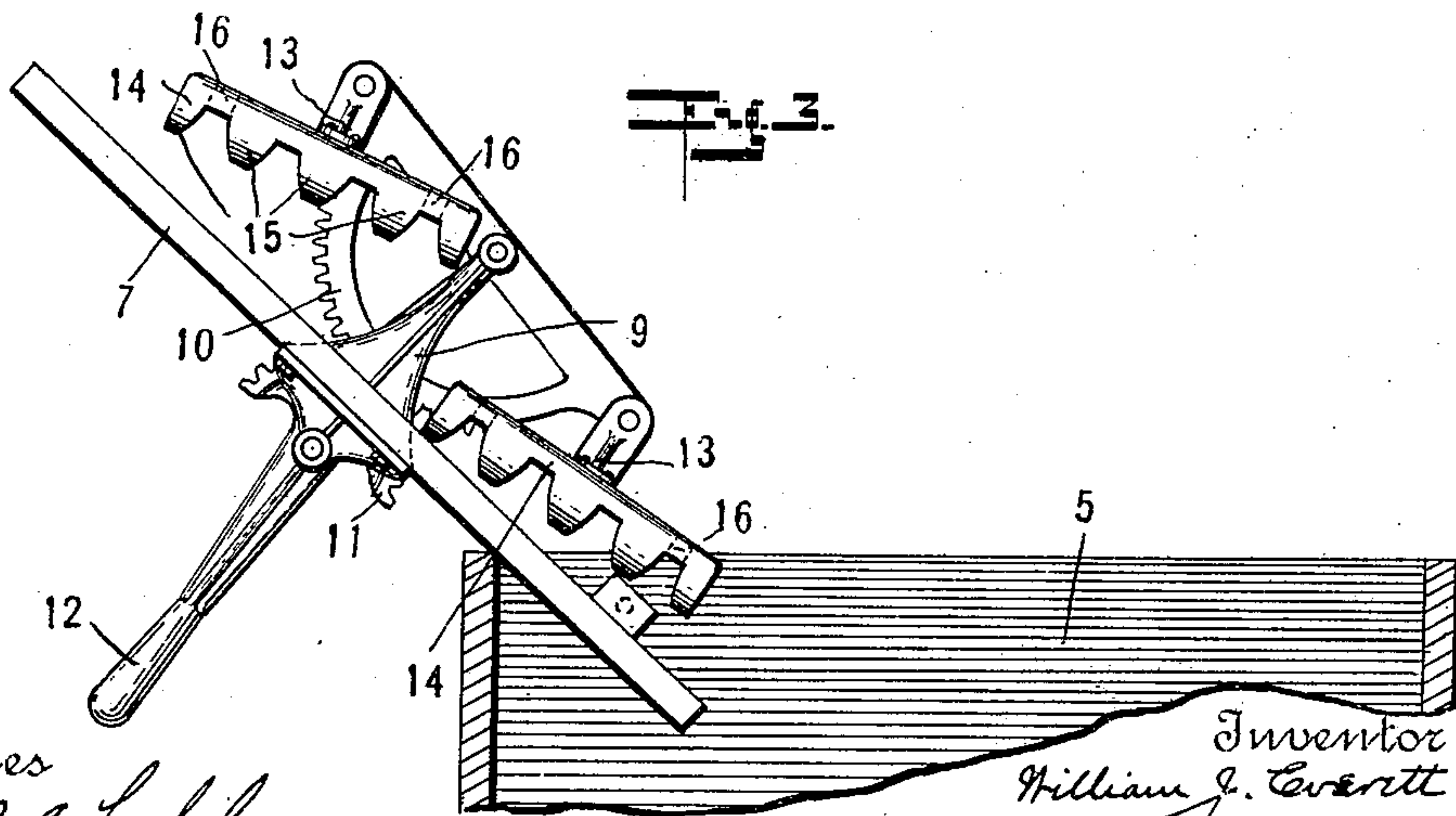
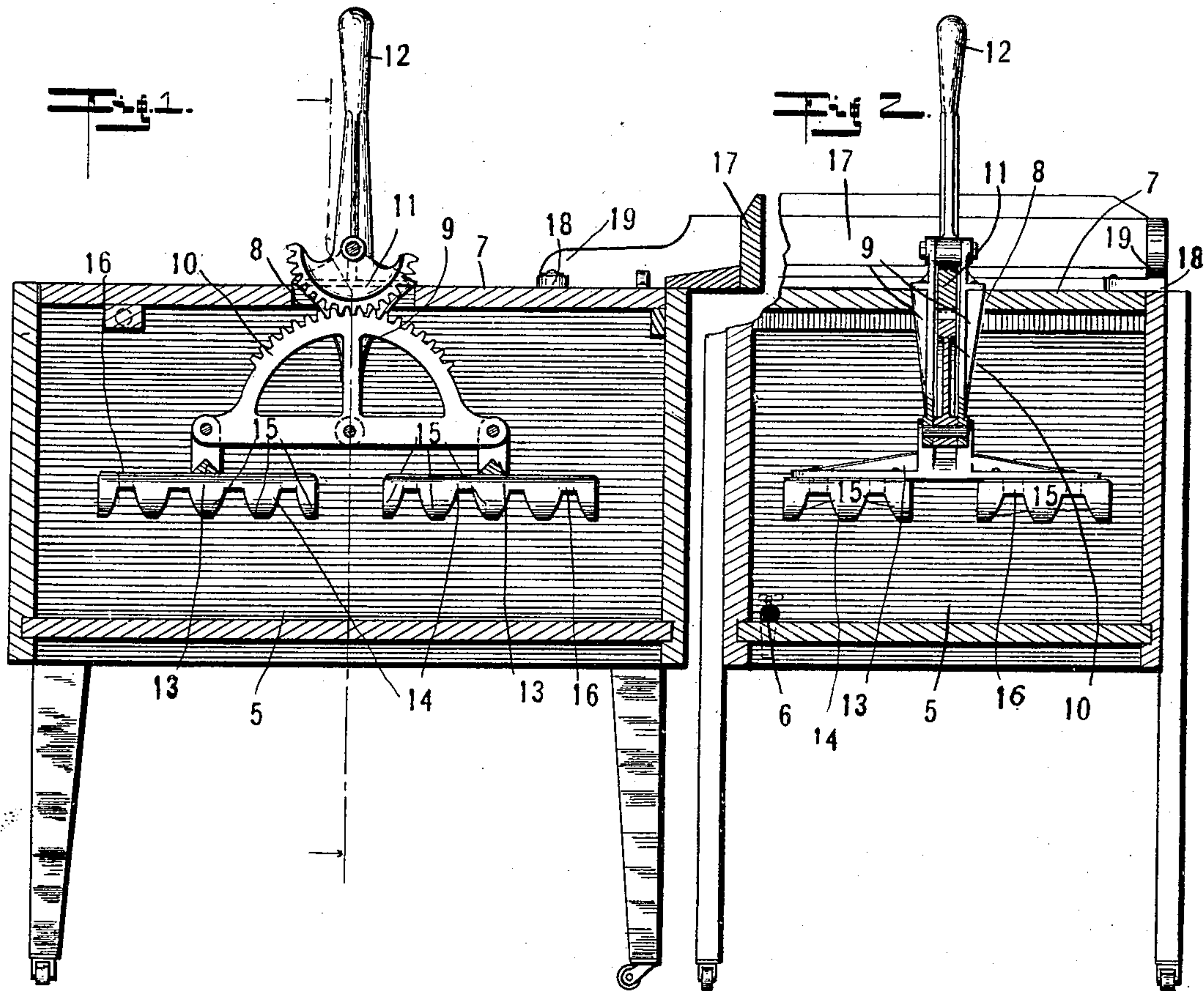
No. 681,958.

Patented Sept. 3, 1901.

W. J. EVERETT.  
WASHING MACHINE.

(Application filed Feb. 20, 1901.)

(No Model.)



Witnesses  
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# UNITED STATES PATENT OFFICE.

WILLIAM J. EVERETT, OF INDIANAPOLIS, INDIANA.

## WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 681,958, dated September 3, 1901.

Application filed February 20, 1901. Serial No. 48,035. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM J. EVERETT, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented a new and useful Washing-Machine, of which the following is a specification.

My invention relates to an improvement in that class of washing-machines in which the dirt is removed by forcing the water through the clothes rather than by rubbing the clothes.

The object of my invention is to produce a neat and efficient machine in which the principal stress is downward and in which the parts are so arranged and operated that there will be no tendency to tear even the finest fabrics.

The accompanying drawings illustrate my invention.

Figure 1 is a central vertical section. Fig. 2 is a similar section at right angles to Fig. 1. Fig. 3 is a side elevation with the cover open and the mechanism withdrawn from the tub.

In the drawings, 5 indicates a box or tub for the reception of the materials to be washed, said box being preferably rectangular in cross-section and having a suitable outlet-faucet 6. Pivoted to the upper side of box 5 is a cover 7, having a slot 8 extending through the center thereof. Mounted within slot 8, one upon each side thereof, is a pair of brackets 9, the ends of said brackets projecting from both the under and upper faces of the cover. Pivoted to the lower ends of brackets 9 and between the same is a substantially semicircular segment 10, provided on its periphery with suitable gear-teeth, which mesh with a driving-segment 11, pivoted between the outer ends of brackets 9. Segment 11 is preferably of one-half the radius of the segment 10 and is provided with a suitable operating-handle 12. Pivoted to each end of the segment 10 is a bracket 13, to the under side of which is secured a pair of presser-feet 14. Each presser-foot 14 is corrugated on its under side to form a series of separated bosses or lugs 15, and extending through the top of each presser-foot 14, preferably between the lugs 15, are openings 16, which allow the passage of water therethrough. The distance between the pivotal point of each bracket 13 and the top of

the presser-feet secured thereto is comparatively short, and the distance between said pivotal point and the bottom of said presser-feet is considerably less than the distance between the under side of the cover 7 and the pivotal point of the segment 10, so that when the cover is thrown back into the position shown in Fig. 3 the presser-feet may be doubled back, so as to be out of the way of the operator, as shown in said figure. Secured to one end of tub 5 is an upright 17, to which a wringer may be clamped. Cover 7 may be held down in its closed position by means of a pair of latches 18, pivoted to the upper face of cover 7 and adapted to be thrown under projecting lips 19, secured to the sides of the tub 5.

In operation the tub is partially filled with soapy water and the fabrics to be washed are loosely laid upon the bottom of the tub. Cover 7 is then thrown down to the position shown in Fig. 1, the presser-feet automatically swinging to their normal position from the infolded positions shown in Fig. 1 and resting upon the fabrics. The operator, by reciprocating lever 12, causes reciprocations of the presser-feet, so as to bring them alternately upon the fabrics and press the water therethrough. It will be noticed that the action of the presser-feet is a mere pressure, such as to squeeze the water through and out of the fabrics, and there is no tendency to tear the fabrics. Segment 11 is preferably half the radius of segment 10, so that the throw of lever 12 through approximately one hundred and eighty degrees will only cause a ninety-degree movement of segment 10. As a consequence no appreciable work is done by the presser-feet upon the clothes until after the lever 12 has considerably passed the vertical, and the greater portion of force required is exerted directly down upon the end of lever 12.

I claim as my invention—

1. In a washing-machine, the combination with the tub, of a cover therefor having a central slot, a pair of brackets mounted in said slot and extending from both faces of said cover, a segment pivoted between the inner ends of said brackets, a pair of presser-feet pivoted to the ends of said segment, and a driving-segment, provided with a suitable op-

erating-lever, pivoted between the outer ends and said brackets and meshing with the inner segment.

2. In a washing-machine, the combination  
5 with the tub, of a cover therefor, a segment pivotally mounted upon the under side of said cover, a presser-foot pivoted upon each end of said segment, a driving-segment of less ra-

dius than the first segment meshing with said first segment, and a lever carried by the driving-segment and projecting above the cover. 10

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