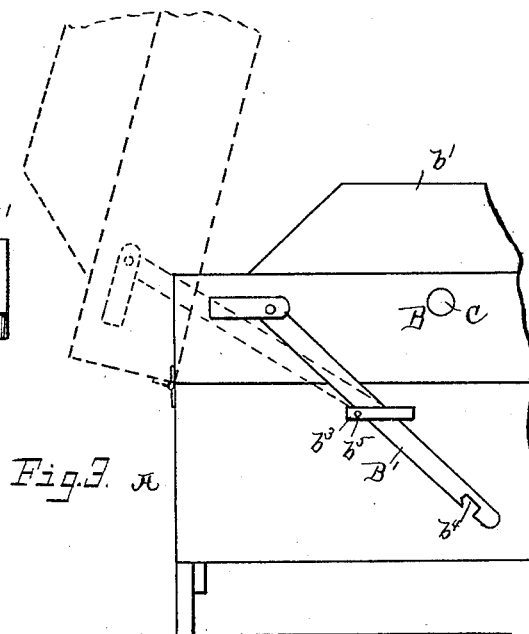
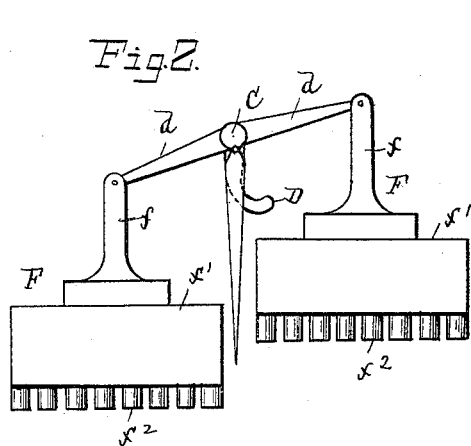
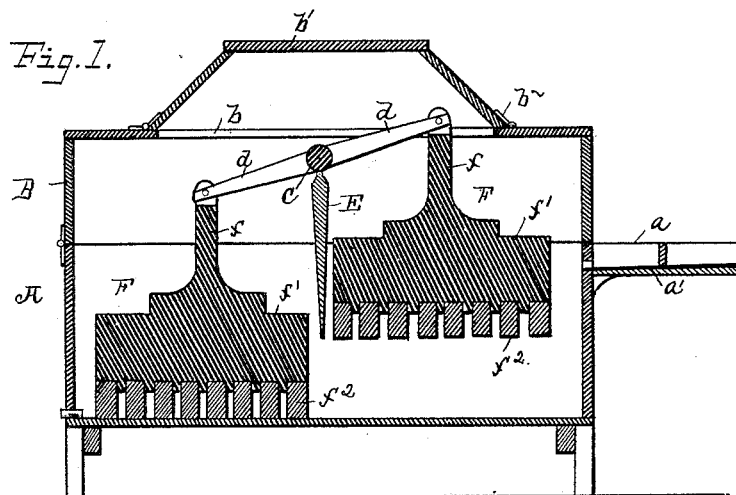


(No Model.)

B. C. PHILLIPS.
WASHING MACHINE.

No. 419,063.

Patented Jan. 7, 1890.



Witnesses
Wm. S. Hodges.
Robert Jennings.

Inventor
Byron C. Phillips.
By Attorney
Patrick O'Connell.

UNITED STATES PATENT OFFICE.

BYRON C. PHILLIPS, OF FLANDREAU, (DAKOTA TERRITORY,) SOUTH DAKOTA.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 419,063, dated January 7, 1890.

Application filed September 17, 1889. Serial No. 324,195. (No model.)

To all whom it may concern:

Be it known that I, BYRON C. PHILLIPS, a citizen of the United States of America, residing at Flandreau, in the county of Moody and Territory of Dakota, have invented certain new and useful Improvements in Washing-Machines, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention pertains to certain new and useful improvements in washing-machines, having for its object the provision of new and highly efficient means for readily and easily accomplishing the washing operation by parts
15 operated with but a minimum amount of labor or exertion.

The invention comprises the details of construction, combination, and arrangement of parts, substantially as hereinafter fully set forth, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a longitudinal sectional view of my improved washing-machine. Fig. 2 is a detail view of the pounders and their operating-shaft. Fig. 3 is a detail view of the tub or receptacle, parts being broken away.

Referring to the drawings, A designates the tub or receptacle, and *a* the wringer-support, having an inclined bottom *a'*, as shown, opening into said tub.

B is the lid or cover, hinged at one end to said tub and provided in its center with an oblong opening *b*, over which fits a supplementary cover *b'*, hinged to lid B at one end and held down at its other end by a hook *b²*. The lid or cover B is held elevated or open by an arm *B'*, pivoted thereto and passed through a keeper *b³* of tub A, said arm having a groove or recess *b⁴*, which engages a pin *b⁵* of said keeper.

C is the rock-shaft, journaled at its ends in the sides of cover B and provided at one end with an operating handle-bar D. To this shaft
45 C are secured two lateral arms *d d*, and to said shaft is pivotally attached a hanging bar E.

F F are the pounders, having upwardly-projecting arms *f* pivotally secured to the outer ends of arms *d*. The pounders are composed each of a central body portion *f'* and a series
50 of downwardly-projecting short lugs or studs *f²*. The lateral arms *d* are designed to pass through the opening *b* of lid B and up into the supplementary cover *b'*.

In practice the operator grasps the handle-bar D and moves the same backward and forward, imparting through the agency of the locking-shaft and the lateral arms thereof an up-and-down movement to the pounders, which, beating upon the clothes in the tub, effect a thorough cleaning thereof in a short
60 space of time. The hanging bar E, being located between the pounders, keeps the same from contact with each other in their up-and-down movement.

My invention is extremely simple, and, being composed of but a minimum number of parts, is readily and easily operated with but little exertion.

I claim as my invention—

1. The combination, with the tub or receptacle, of the lid or cover therefor having an opening therein, the rock-shaft having lateral arms designed to move in said opening, the operating handle-bar, the pounders secured
75 to the outer ends of said arms, and the hanging bar pivotally secured at its upper end to said rock-shaft and depending between said pounders, substantially as set forth.

2. The combination, with the tub or receptacle, of the lid or cover therefor having an opening therein, the upper supplementary cover hinged to said former lid or cover, the rock-shaft provided with lateral arms, and the pounders pivotally secured to said arms, substantially as set forth.

In testimony whereof I affix my signature in presence of witnesses.

BYRON C. PHILLIPS.

Witnesses:

C. D. PRATT,
T. E. MINIER.