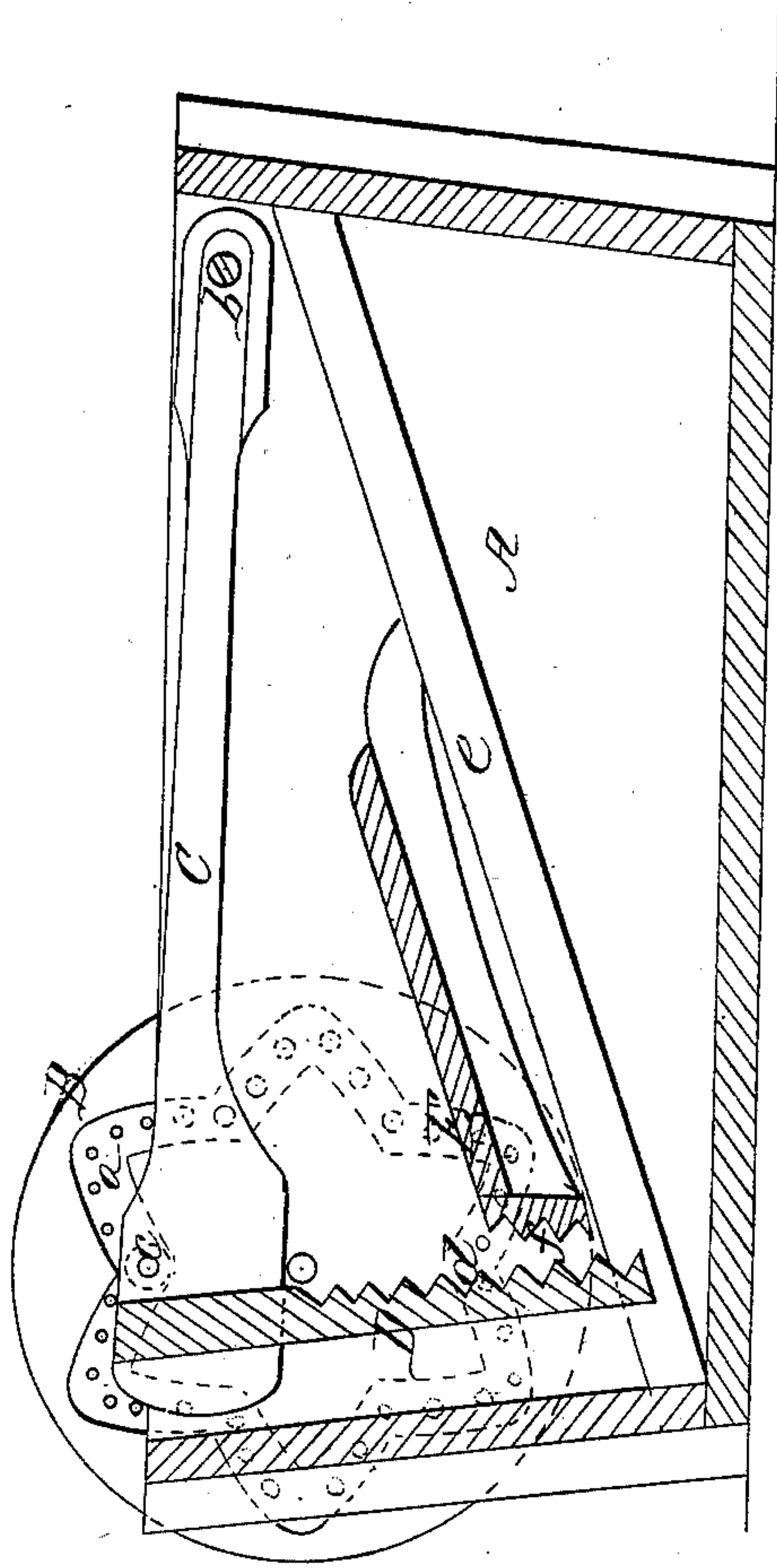


*J. Phillips Jr,*

*Washing Machine,*

*Nº 80,211.*

*Patented July 21, 1868.*



*Witnesses,  
H. C. Asketon  
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# United States Patent Office.

JOHN PHILLIPS, JR., OF GEORGETOWN, MISSOURI.

*Letters Patent No. 80,211, dated July 21, 1868.*

## IMPROVED WASHING-MACHINE.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOHN PHILLIPS, Jr., of Georgetown, in the county of Pettis, and State of Missouri, have invented a new and improved Clothes-Washing Machine; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to a new and improved clothes-washing machine, of that class in which a reciprocating rubber is employed for subjecting the clothes to the necessary pressure and rubbing action.

The accompanying drawing represents a side sectional view of my invention.

A represents the suds-box, of quadrilateral form, and of any suitable dimensions, and having a wheel, B, at one side of it, which has a zigzag groove, *a*, made in its inner surface.

C is an arm, secured by a pivot, *b*, at one end to the inner surface of one side of the suds-box, and this arm, near its opposite and disengaged end, is provided with a pin, *c*, which extends into the zigzag groove *a* of the wheel B.

The disengaged end of the arm C has a rubber, D, attached to it, which rubber consists of a board extending across the whole width of the suds-box, and is fluted or corrugated horizontally, as shown at *d*.

E represents a sliding table, which is fitted and works on the inclined bars or ways *e-e*, attached to the inner surfaces of the sides of the suds-box.

The front end of this table has a fluted or corrugated surface, *f*, and said table may be drawn backward or shoved forward by hand with the greatest facility.

The suds-box is supplied with a requisite quantity of suds, and the clothes are subjected to the necessary pressure and rubbing between the fluted or corrugated surfaces *f d* of the table and rubber, the rubber D having an up-and-down or reciprocating movement given it by means of the zigzag groove *a* in the wheel B, the pressure on the clothes being graduated as desired by holding back or pressing forward the table E. The clothes pass down between the corrugated surfaces into the lower part of the suds-box.

The machine, as above described, may be modified by dispensing with the inclined bars or ways *e-e*, and having the bottom of the suds-box inclined, the table being provided with wheels, so that it may work or move freely on the inclined bottom.

In this modification the rubber D is not placed so near the end of the suds-box as represented in the drawing, a space being allowed between the rubber and the end of the box, to receive the clothes as they pass down from between the corrugated surfaces.

I claim as new, and desire to secure by Letters Patent—

The zigzag groove *a* in the wheel B, and the pin *c* of the arm C, to which the rubber is attached, fitting in said groove, in combination with the sliding table E, all arranged to operate in the manner substantially as and for the purpose set forth.

JOHN PHILLIPS, JR.

Witnesses:

THOS. HACKETT,

R. S. WHITE.