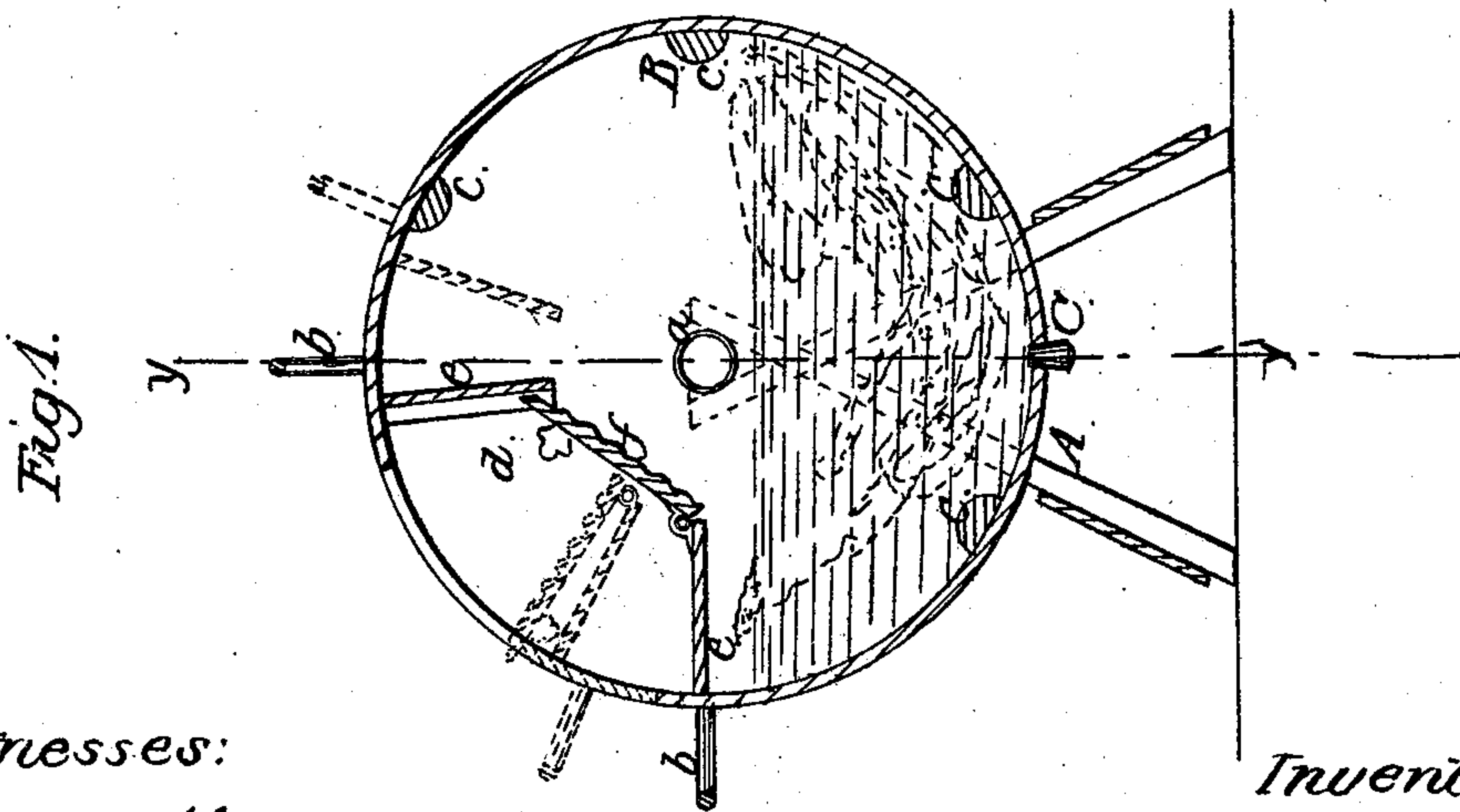
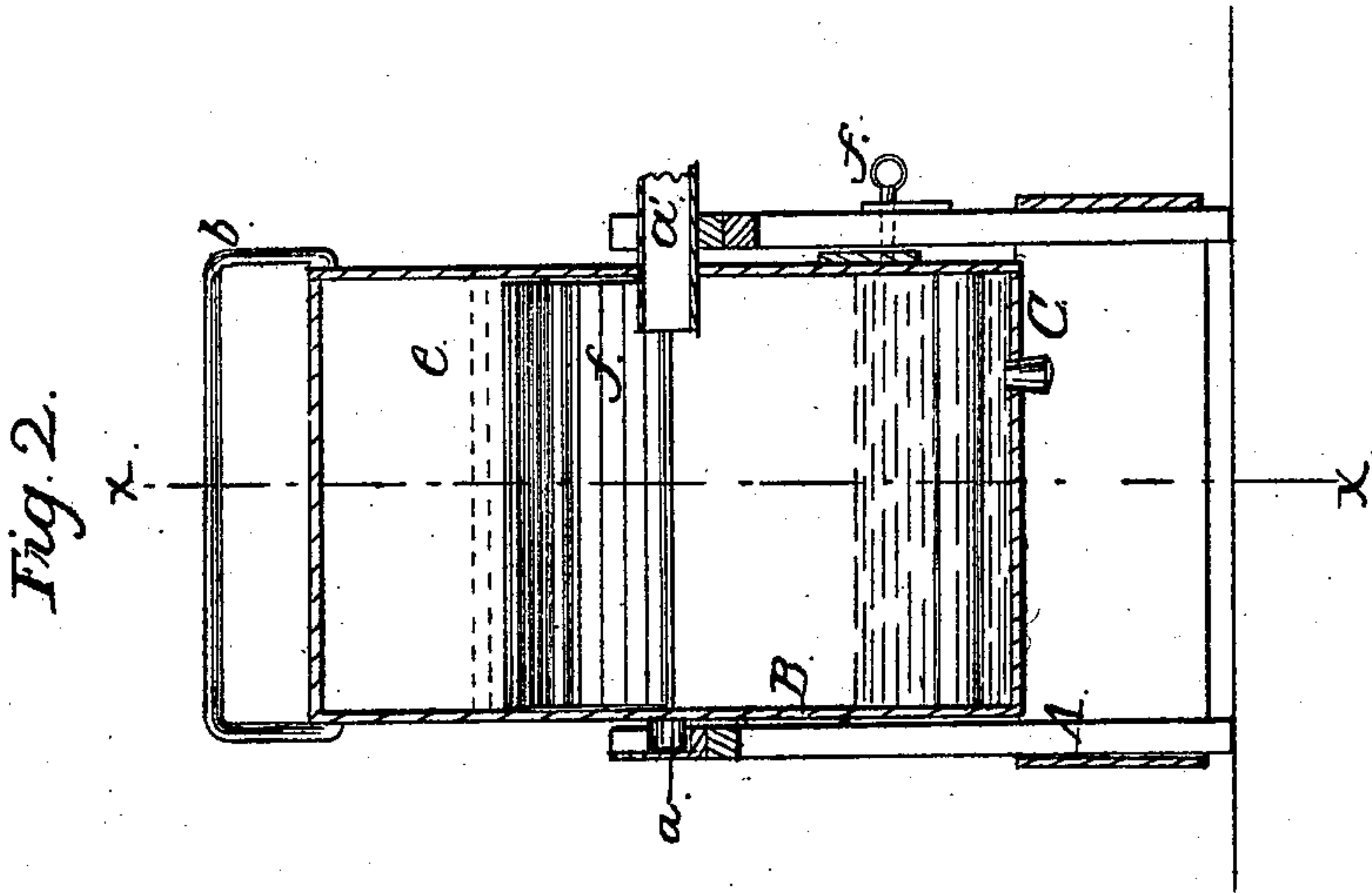


S. Wiswall,
Washing Machine,
N^o 24,347. Patented June 7, 1859.



Witnesses:

*Nanby Christy
 S. S. Pike*

Inventor:

Samuel Wiswall

UNITED STATES PATENT OFFICE.

SAMUEL WISWALL, OF HYDE PARK, VERMONT.

WASHING-MACHINE.

Specification of Letters Patent No. 24,347, dated June 7, 1859.

To all whom it may concern:

Be it known that I, SAMUEL WISWALL, of Hyde Park, in the county of Lamoille and State of Vermont, have invented a new and Improved Clothes-Washing Machine; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1, is a vertical section of a clothes washing machine constructed according to my invention, *x, x*, Fig. 2, shows the plane of section. Fig. 2, is also a vertical section of same taken in the line *y, y*, Fig. 1.

Similar letters of reference indicate corresponding parts in the two figures.

To enable those skilled in the art to fully understand and construct my invention I will proceed to describe it.

A, represents a framing or support which may be constructed in any proper way to support a cylindrical box B, the journals *a, a'*, of which are allowed to work freely in its bearings on said framing or support. To the periphery of the cylinder B, projecting bails or handles *b*, are attached which also serve as stops and prevent the cylinder from wholly rotating permitting only of a reciprocating partially rotating motion, the stops striking against the sides of the framing. To the inner side of the cylinder B, ribs *c*, are secured transversely at suitable distances apart.

In the periphery of the cylinder B, a chamber or recess *d*, is formed. This recess is formed by means of two plates *e, e*, which extend into the cylinder a certain distance and have the space between their lower ends covered by a door *f*, the under side of which is corrugated transversely, similar to an ordinary hand wash board. This cover is hinged to the inner end of one of the plates *e*, and when closed, the opposite end rests against the inner end of the opposite plate as shown clearly in Fig. 1.

A faucet or plug C, is fitted in the cylinder B, to draw the suds therefrom when necessary, and one of the journals *a'*, of the cylinder may be hollow to admit steam if required.

The operation is as follows:—The cylinder B, is supplied with a requisite quantity of suds, and the clothes to be washed are

placed therein, the cylinder being then operated back and forth and the clothes thereby subjected to a sufficient friction or attrition in order to cleanse them. What are generally known as plain pieces such as towels, sheets, and the like, may be washed perfectly clean by the simple movement of the cylinder, but the collars and wrist bands of shirts and other articles or parts of articles that have considerable dirt worked into their texture cannot be cleaned by the operation of the cylinder alone, such parts require additional rubbing, and this is effected in my machine by throwing open the door *f*, as shown in red Fig. 1, the cylinder being prevented from turning by means of a pin *f'*, and using the corrugated side of the cover as a hand wash board, the cylinder serving as the tub. All parts therefore of clothes that require extra rubbing may be acted upon with the greatest facility and these parts may be rubbed or acted upon before or after the operation of the machine.

After the washing is completed, portions of the clothes, as desired, may be laid upon the lower plate (*e*) and the door (*f*) then turned down upon them and the water extracted by pressure. The plate (*e*) and door (*f*) thus prevent the useful function of a wringer, for delicate or fine clothes; this method of expressing the water will be often found more desirable than the common plan of twisting the goods. In addition to its other uses, the chamber *d*, also serves as a receptacle or closet for soiled clothes or other articles prior to washing, when it is not convenient to wash them immediately or undesirable to allow them to fall into the water within the machine.

Having described my invention I claim and desire to secure by Letters Patent,

The arrangement and combination within the oscillating cylinder B, of a receiving chamber (*d*), having plates (*e, e*) and a door (*f*), when said door (*f*) is corrugated on one side and hinged to one of the plates (*e*) so that said door (*f*) may serve as a rubbing board and also as a presser; all substantially as herein shown and described.

SAMUEL WISWALL.

Witnesses:

MANLEY DIMICK,
S. S. PIKE.