

(Model.)

S. PARKS.
Washing Machine.

No. 238,305.

Patented March 1, 1881.

Fig. 1.

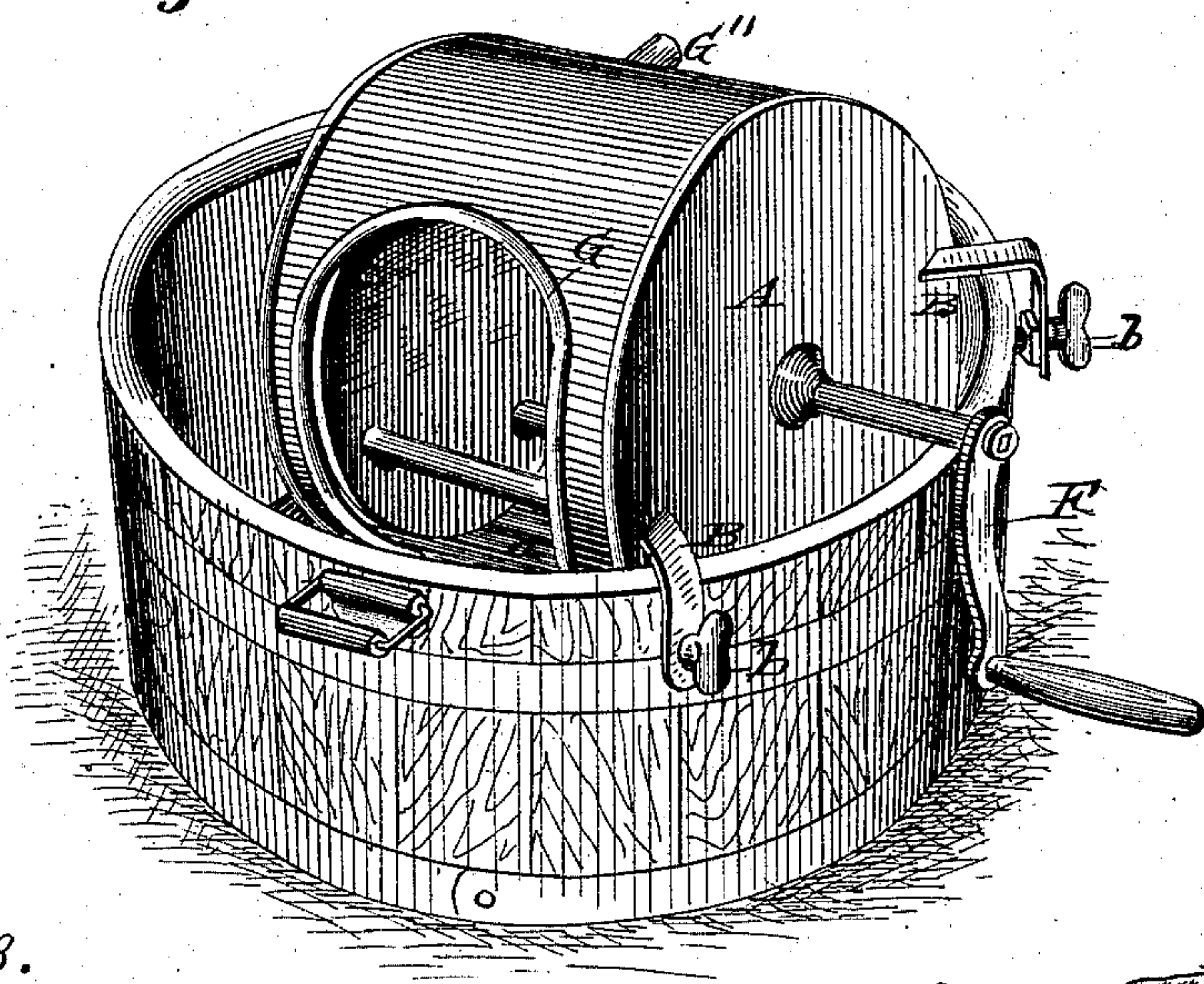


Fig. 3.

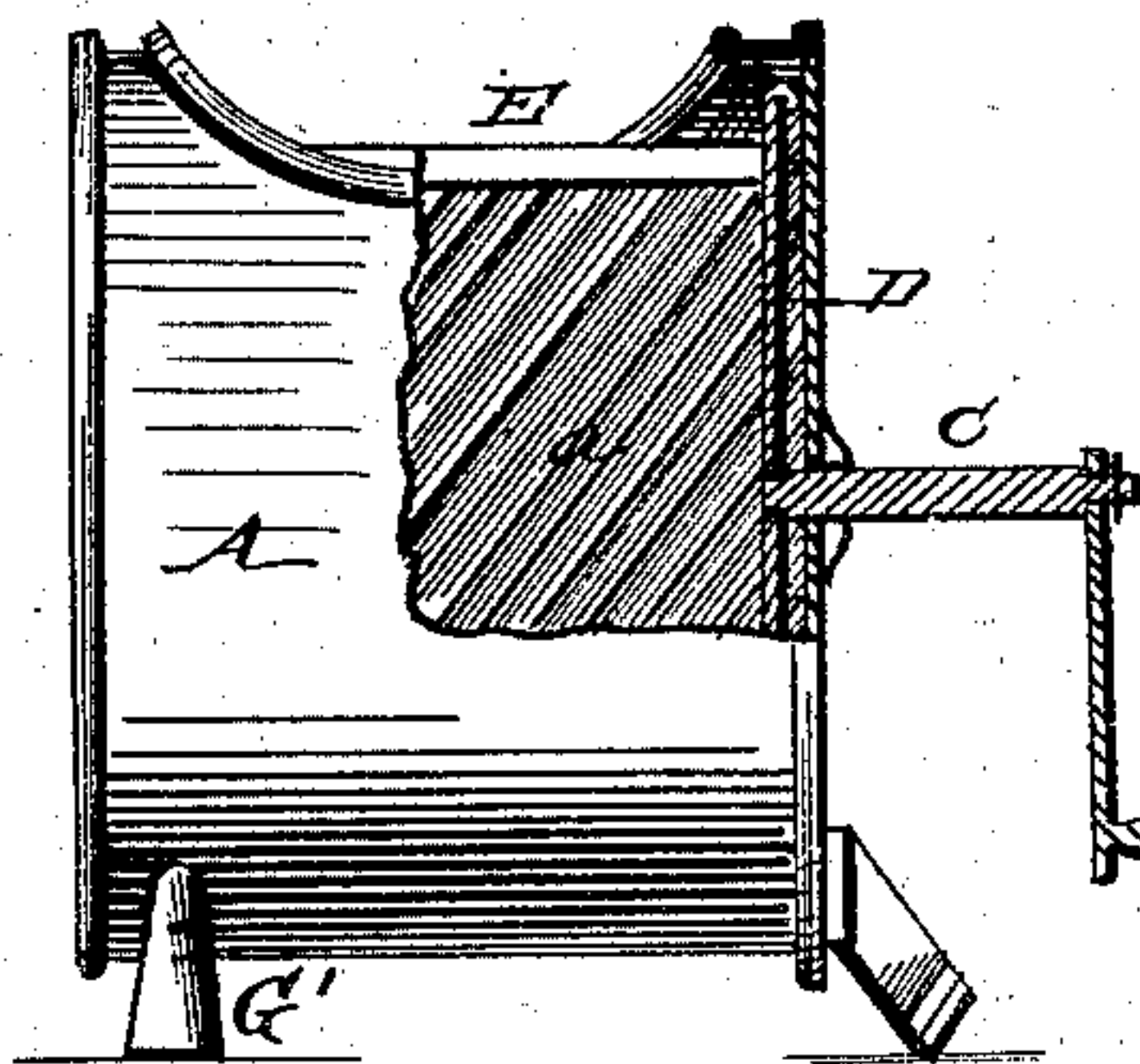


Fig. 4.

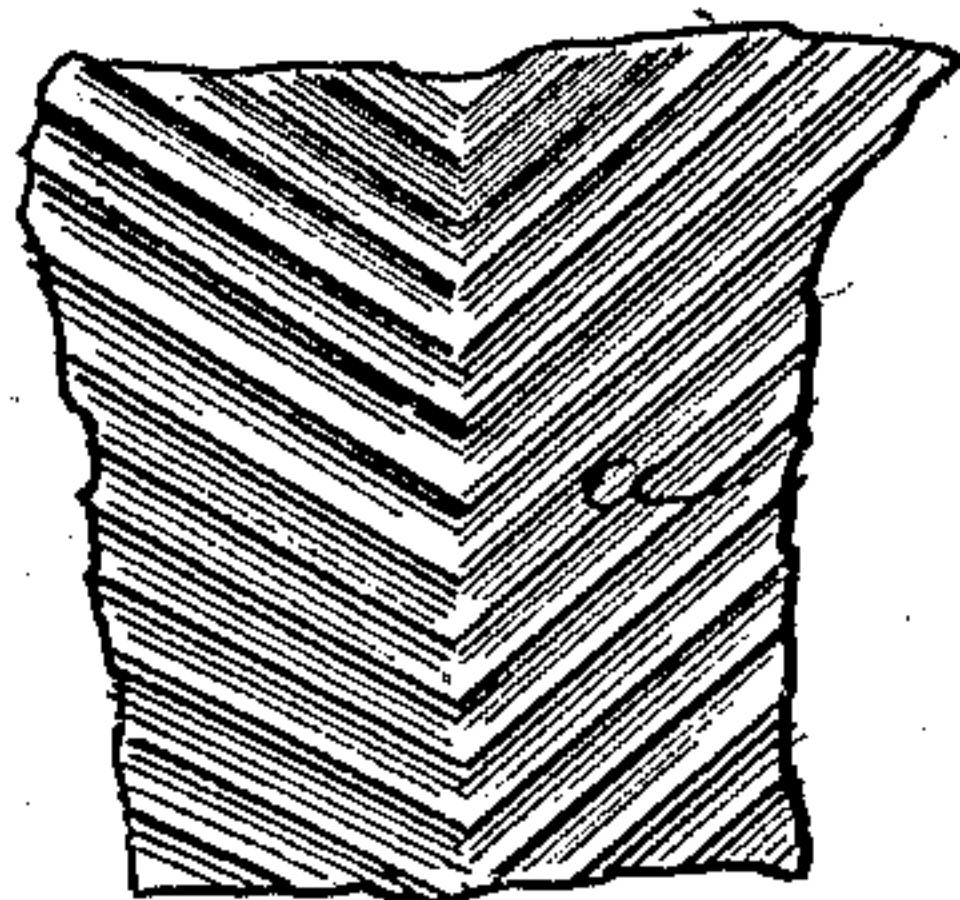
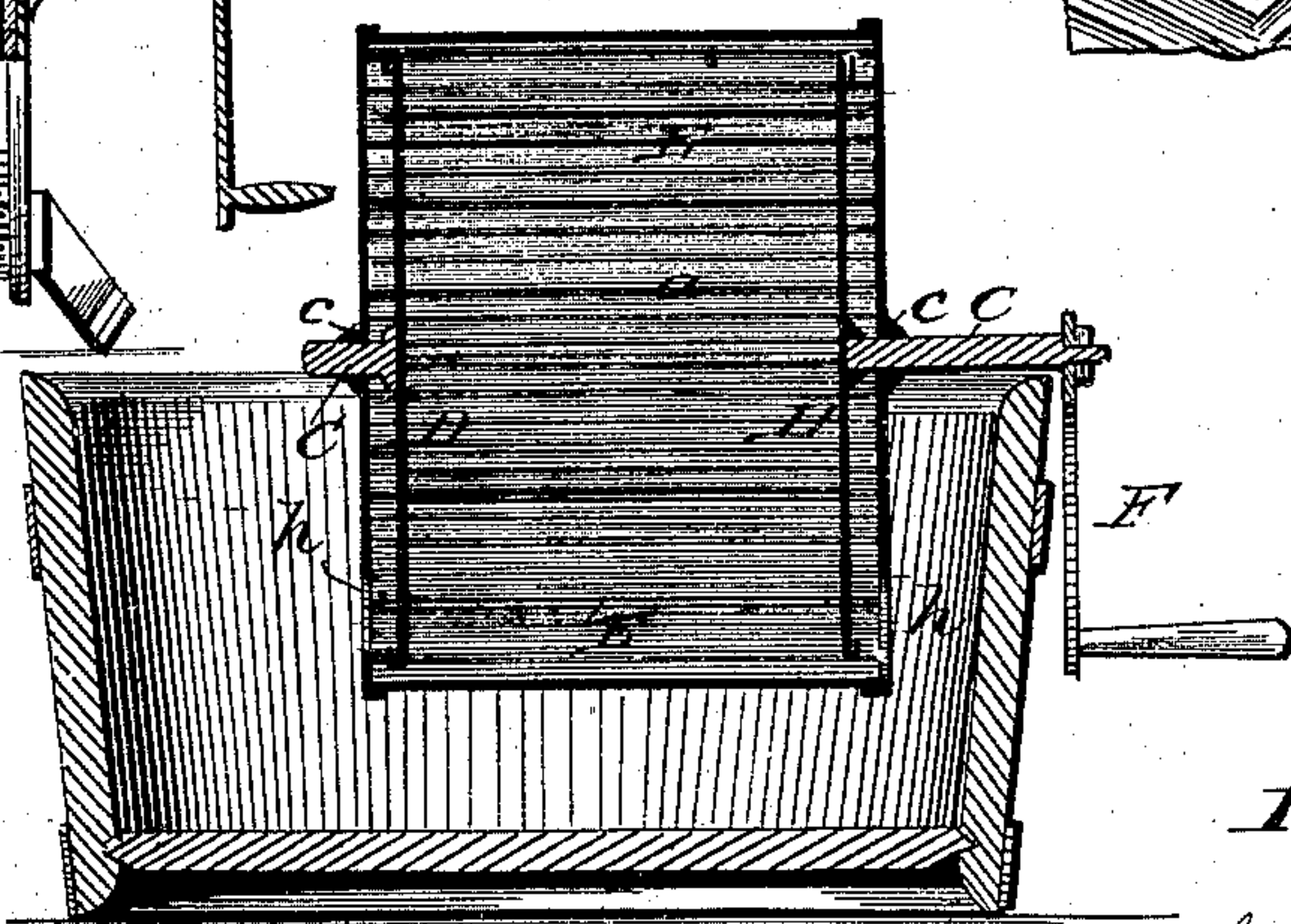


Fig. 8.



Witnesses
Fred G. Dietrich
A. H. Krause

Inventor

Stephen Parks
By D. W. C. Allen,
Atty.

UNITED STATES PATENT OFFICE.

STEPHEN PARKS, OF VERNON CENTRE, NEW YORK.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 238,305, dated March 1, 1881.

Application filed November 8, 1880. (Model.)

To all whom it may concern:

Be it known that I, STEPHEN PARKS, a citizen of the United States, residing at Vernon Centre, in the county of Oneida and State of New York, have invented certain new and useful Improvements in Washing-Machines; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification, and in which—

Figure 1 represents a perspective view of my improved machine as applied to a wash-tub; Fig. 2, a longitudinal vertical section; Fig. 3, detached side view of the washing-cylinder, with a portion broken away to show the interior construction. Fig. 4 represents a modification of the interior corrugated or ribbed surface of the washing-cylinder.

This invention relates to certain new and useful improvements in the class of washing-machines especially designed for use in connection with the ordinary wash-tubs; and the invention consists in the general construction, combination, and arrangement of parts, all as will be hereinafter fully described, and specifically pointed out in the claims.

Referring to the accompanying drawings, A represents a cylinder having an interior corrugated or ribbed surface, *a*. The corrugations or ribs may be arranged transversely, as shown in Figs. 1 and 2, or diagonally, as shown in Fig. 3, or as shown in Fig. 4.

The cylinder A is provided at one end with two clamping-plates, B B, and set-screws *b b*, by which it can be secured to an ordinary wash-tub, as clearly shown in Fig. 1.

Through the ends of the cylinder are formed bearings *c c*, for the reception of the short journals or axles C C, having secured to their inner ends, inside of the cylinder, the disk-plates D D, which are connected together near their peripheries by the cross bars or rods E. One of the journals C is extended outward from the cylinder farther than the other journal, and has secured thereto an operating-crank, F, by means of which said disks and connecting bars or rods may be revolved.

The cylinder is provided with the usual openings, *h*, in its ends, for the admission and outlet of the water contained in the wash-tub, and an enlarged opening, G, through the periphery thereof, for the introduction and removal of the clothes to be washed, and which opening, if deemed expedient, can be closed by a cover when the machine is in operation.

The cylinder, and also the operating parts, may be made from galvanized iron or other suitable non-corrosive metal, and said cylinder may have a corrugated or ribbed lining, or with the outside pressed and corrugated as a substitute for said lining.

The cylinder is also provided with outside supports or handles, G' G'', arranged at the end of the cylinder opposite that to which the clamping-plates are secured, and at right angles thereto, and through the medium of which and one of the clamping-plates the cylinder can be sustained in proper position to bring the opening G on the upper side for the insertion and removal of clothes, as more clearly shown in Fig. 3.

The operation of my improved machine is as follows: The clothes to be washed, being first soaped in the usual manner, are placed in the cylinder A, which is then secured in the wash-tub partially filled with water. The crank F is then turned, which revolves the disks and their connecting bars or rods, said bars or rods moving and pressing the clothes against the inner corrugated or ribbed surface of the cylinder, producing a rubbing or frictional action similar to the action of the hand in rubbing the clothes over the ordinary corrugated or ribbed surface of a wash-board.

I am aware that a stationary corrugated cylinder having a series of rubbing-bars connected to a longitudinal revolving central shaft by radial arms is common in washing-machines, and such I distinctly disclaim as of my invention. Such construction is, however, obviously objectionable, for the reason that the clothes will get wound around the revolving central shaft, thus interrupting the washing operation in order to remove them, or requiring the aid of auxiliary means to obviate such objection, while in my machine, by having two revolving disks connected only by the rubbing bars or rods, I obviate the use of the central shaft,

and thereby leave a free and uninterrupted space for the clothes, which will be caught by said bars or rods in their revolution and rubbed against the interior corrugated surface of the cylinder, in the manner hereinbefore described.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a washing-machine, the combination, with the stationary cylinder A, having an interior corrugated or ribbed surface, of the interior disks, D D, having journals *c c*, and connected together near their peripheries by a series of bars or rods adapted to move and press or rub the clothes against the interior corrugated or ribbed surface of said cylinder, substantially in the manner as and for the purpose herein shown and described.

2. The cylinder A, provided with supports G' G'', and clamping-plates and set-screws B B b b, interior corrugated or ribbed surface, *a*, inlet and outlet openings, and enlarged opening G, revolving disks D D, having journals or axles C C, and connecting bars or rods E E, the several parts constructed and relatively arranged to operate substantially in the manner herein shown and described.

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

STEPHEN PARKS.

Witnesses:

C. D. PRESCOTT,

WILLIAM CARPENTER.