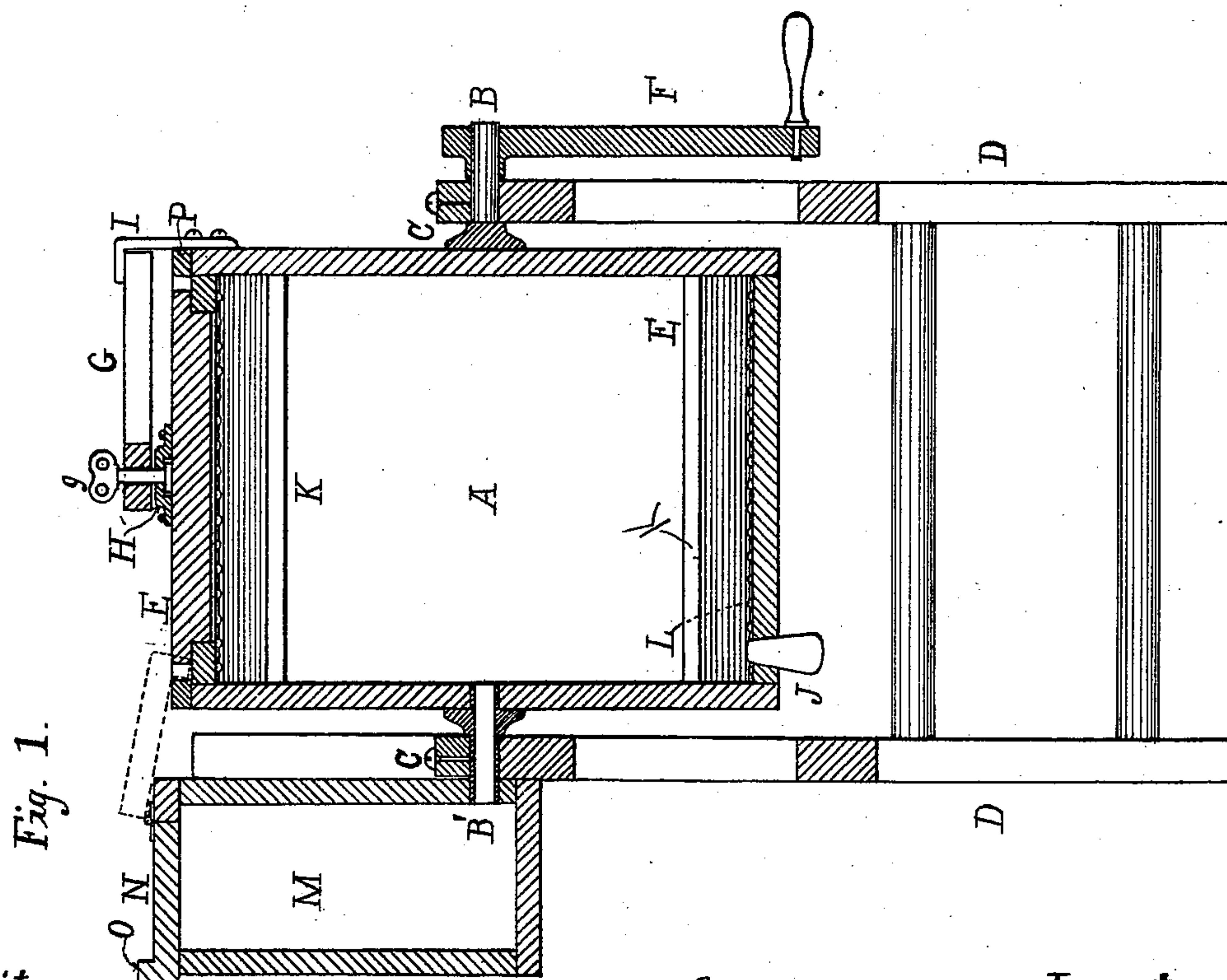
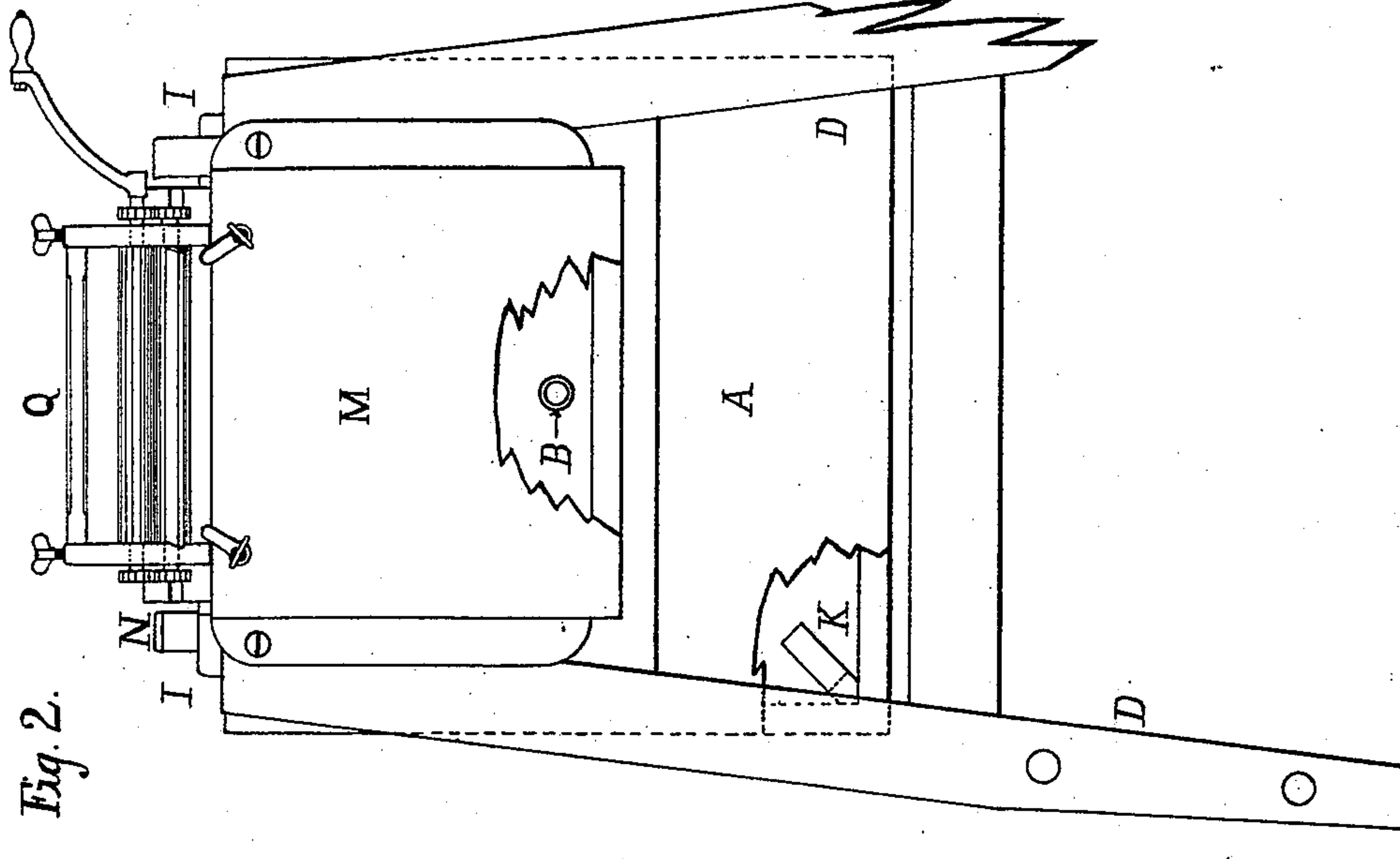


(No Model.)

J. AMUNDSEN & P. PETERSON.
WASHING MACHINE.

No. 533,110.

Patented Jan. 29, 1895.



Witnesses.
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UNITED STATES PATENT OFFICE.

JENS AMUNDSEN AND PETER PETERSON, OF LA CROSSE, WISCONSIN.

WASHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 533,110, dated January 29, 1895.

Application filed October 15, 1894. Serial No. 525,910. (No model.)

To all whom it may concern:

Be it known that we, JENS AMUNDSEN and PETER PETERSON, citizens of the United States, residing at La Crosse, in the county of La Crosse and State of Wisconsin, have invented new and useful Improvements in Rotary Washing-Machines, of which the following is a specification.

Our invention relates to improvements in rotary washing machines, and relates especially to the combination therewith of a separate stationary chamber adapted to the purpose hereinafter set forth.

The object of our invention, is, first, to provide for washing the clothes in very hot water without danger of slopping, either through the force of steam pressure, or while wringing out the clothes; second, to provide for changing the water without removing the cover of the rotary chamber.

In the following description reference is had to the accompanying drawings, in which—

Figure 1. is a sectional view, drawn through the axis of the rotary chamber. Fig. 2. is a side view showing the stationary chamber with wringer attached.

Like parts are referred to throughout by means of the same reference letters.

A refers to a rotating washing chamber, box-like in its construction and provided with shafts B, B', which support it in bearings C on the frame D. It is provided with a watertight cover E, and is actuated by means of the crank F. The cover E is held in place by means of a bar G, attached centrally to the cover by a thumb screw g, provided with a swivel H. The bar G is adapted to engage with hooks I at diagonally opposite corners of the chamber, to hold the cover in place, and by turning the thumbscrew, the bar may be elevated, thus making the cover very tight. The side opposite the cover is considered its bottom and has an opening provided with the cork or stopper J, which may be withdrawn to empty the chamber.

In the interior of the chamber, preferably at the corners, as shown in Fig. 2, we have placed strips K which extend transversely across the chamber or parallel with the supporting shafts. These strips may be extended to any desirable distance toward the center, and are adapted to be struck by the clothes, as the chamber is rotated. We have found that these pieces greatly facilitate the washing, by

separating and changing the position of the pieces of clothing which would otherwise tend to mass together. The pieces are provided with openings L, adapted to permit the escape of water and facilitate emptying the chamber.

The stationary chamber M is attached rigidly to the sides of the frame and is connected to the chamber A by the hollow shaft B'. The cover N of the chamber M is hinged and adapted to open back upon the chamber A. It is provided with a flange O, which is adapted to fit between the cleats P which surround the top of the chamber A, to lock the latter in an upright position. The wringer O can then be attached to the chamber M, and the clothes drawn out over the cover and passed through it. The water which is wrung out of the clothes, drops into the chamber M and passes through the shaft into the chamber A.

It is obvious, that whenever it is desired to change the water, either for the purpose of rinsing, or for a second washing, the water can be drawn off by withdrawing the stopper J, and fresh water put in through the chamber M and hollow shaft B', without removing the cover. The water can thus be put in while the machine is in motion, and enters the washing chamber in a jet against the revolving clothes; also by means of the hollow shaft the steam is allowed to escape into the chamber M, thus obviating the danger of blowing out the stopper by means of the pressure generated by agitated boiling water.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

A washing machine, consisting of the combination with a supporting frame of a rotating washing chamber, a stationary steam chamber and a hollow shaft communicating between the chambers, together with a cover for said steam chamber, adapted to turn back upon the washing chamber, and hold the latter in an upright position, substantially as described.

In testimony whereof we affix our signatures in the presence of two witnesses.

JENS AMUNDSEN.
PETER PETERSON.

Witnesses:
OTTO LEE,
H. HOEDE.