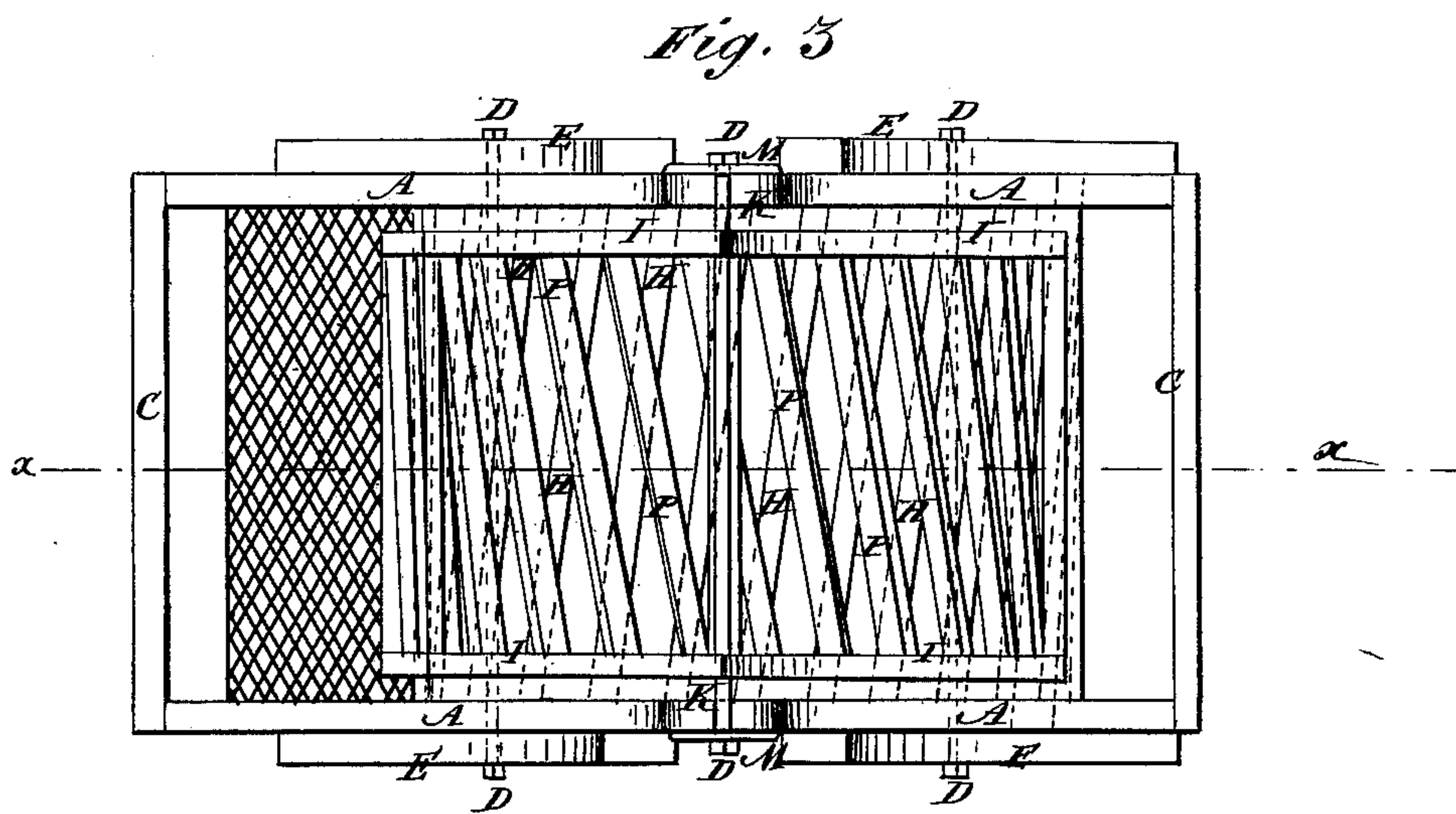
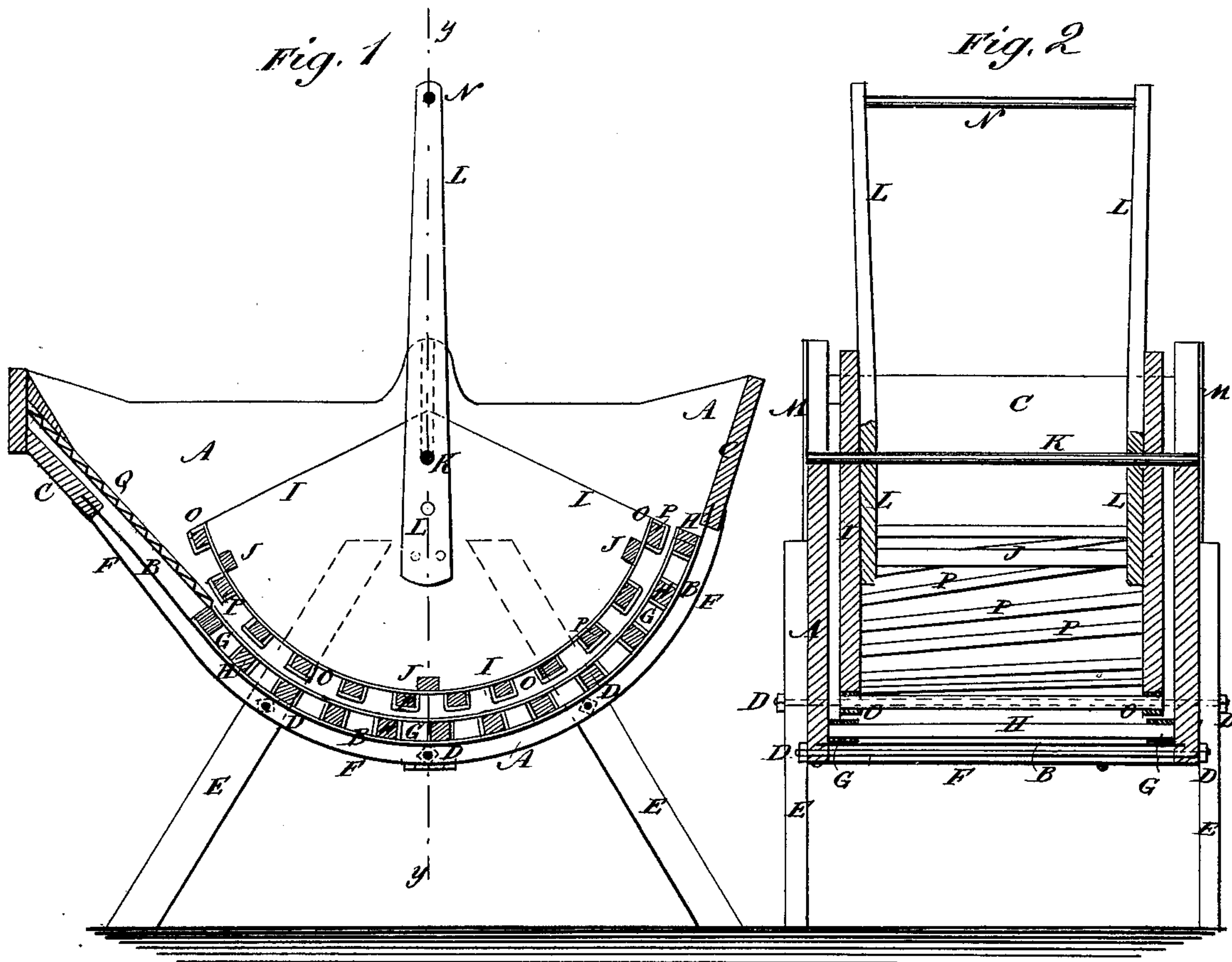


B. F. COMSTOCK.
Washing-Machine.

No. 200,896.

Patented March 5, 1878.



WITNESSES:

C. Neveu
J. H. Scarborough

INVENTOR:

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ATTORNEYS.

UNITED STATES PATENT OFFICE.

BENJAMIN F. COMSTOCK, OF LINCOLN, ILLINOIS.

IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. **200,896**, dated March 5, 1878; application filed November 16, 1877.

To all whom it may concern:

Be it known that I, BENJAMIN F. COMSTOCK, of Lincoln, in the county of Logan and State of Illinois, have invented a new and useful Improvement in Washing-Machines, of which the following is a specification:

Figure 1 is a vertical longitudinal section of my improved machine, taken through the line *x x*, Fig. 3. Fig. 2 is a vertical cross-section of the same, taken through the line *y y*, Fig. 1. Fig. 3 is a top view of the same.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved washing-machine which shall be put together without nails, so that the various parts may not be liable to become loose by the rusting off of the nails, and which shall be simple in construction, convenient in use, and effective in operation.

The invention will first be described in connection with the drawings, and then pointed out in the claim.

A are the side boards, the lower edges of which are curved upon the arcs of circles. The side boards A, at a little distance from their curved lower edges, are grooved to receive the edges of the zinc or galvanized-iron bottom B.

The end edges of the bottom B are inserted in grooves in the lower edges of the end boards C, which are attached to the upper parts of the side boards, and serve as a continuation of the bottom B.

The side boards A and bottom B are held together by three bolts, D, which pass through the said side boards A below the bottom B. Two of the long bolts D also pass through the legs E, by which the machine is supported, and thus secure the said legs in place.

To the lower edges of the side boards A is attached a zinc, sheet-iron, or tin false bottom, F, to form an air space or chamber to keep the suds warm.

G are two curved bars, cast of zinc, to correspond with the curve of the bottom B, and which have sockets cast in them to receive the ends of the slats H, to form the lower or

stationary rubber. The slats H are arranged diagonally, as shown in Fig. 3, and are raised a little above the bottom B, so that the water may pass beneath them freely.

I are the side boards of the movable rubber, which are made in the form of sectors of circles, which are connected together near their curved edges by three cross-bars, J, and by the rod K, which passes through them at or near the centers of the circles of which they form a part, and through the bars L, attached to them.

The ends of the rod K project to enter and work in slots in the side boards A, which slots are closed by metal plates M, attached to the outer sides of said boards A. The upper ends of the bars or levers L are connected by a round, N, which serves as a handle in operating the machine.

To the curved edges of the side boards I are attached curved bars O, cast of zinc, and in which are cast sockets to receive the ends of the movable slats P. The slats P are arranged diagonally in the opposite direction from the slats H, as shown in Fig. 3.

By this construction the slats H P will be firmly and securely held in place without being nailed, so that they will not be liable to become loose by the rusting off of the said nails. One end of the suds-box is inclined more than the other, to adapt it to receive a movable wash-board, Q, the lower end of which rests against the end of the lower rubber G H to keep it in place, and which is itself held in place by a bar, button, or other fastening.

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

The combination of side boards A, bottom B, having continuation ends C C, false bottom F, and the two curved bars G, receiving in sockets the diagonal slats H, as shown and described.

BENJ. F. COMSTOCK.

Witnesses:

W. HUNGERFORD,
H. H. SMITH.