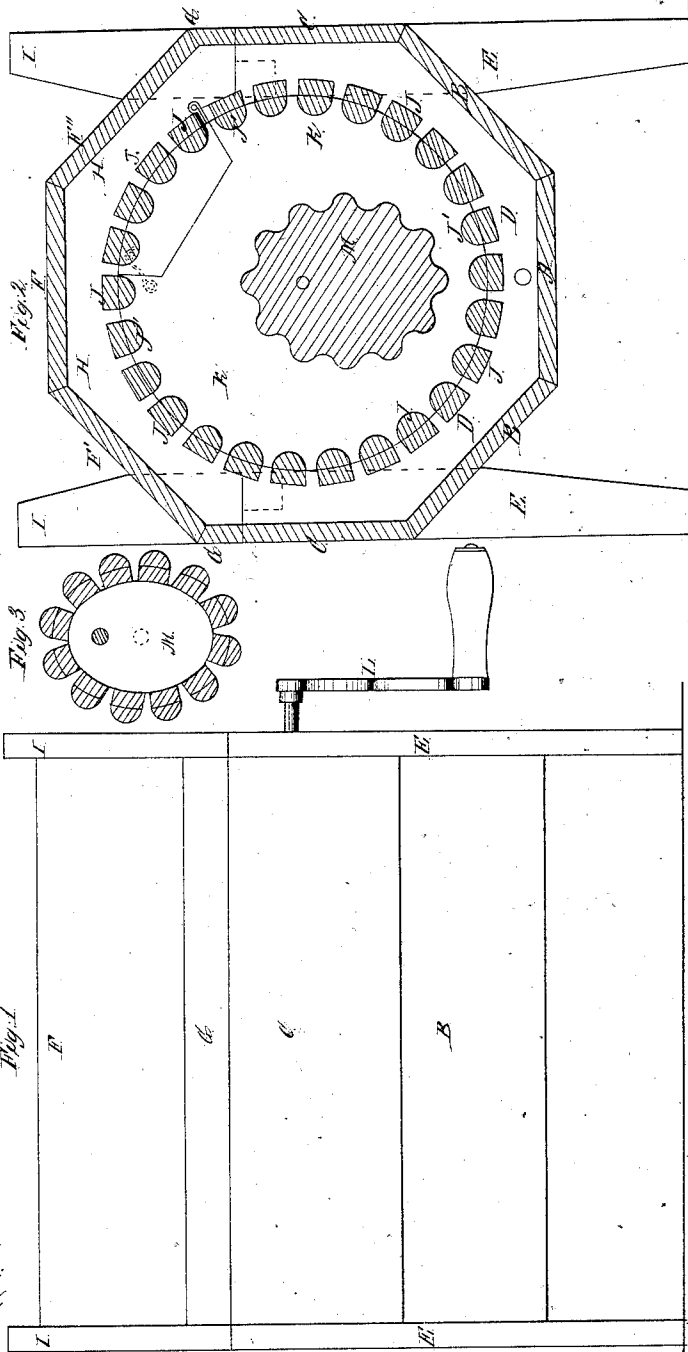


J. Danner

Washing Machine,

N^o 35,220.

Patented May 13, 1862



Witnesses:
John P. Jacobs

D. D. Dodge

Inventor:
John Danner
By his Attorney
H. H. Boyer

UNITED STATES PATENT OFFICE.

JOHN DANNER, OF CANTON, OHIO.

IMPROVED WASHING-MACHINE.

Specification forming part of Letters Patent No. 35,220, dated May 13, 1862.

To all whom it may concern:

Be it known that I, JOHN DANNER, of Canton, in the county of Stark and State of Ohio, have invented a certain new and useful Improvement in Washing-Machines; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of the same, and in which—

Figure 1 represents a side view of the machine closed and ready for use. Fig. 2 represents a cross-section on line A B, Fig. 1; and Fig. 3 represents a cross-section of a modification of the interior and eccentric rubber.

The form of the main box of the machine is well represented by the drawings, wherein the lower part is represented by the letters of reference A, B B, and C C, which are fastened to end pieces, D, of the proper form, and the whole supported by legs E—one at each corner. The cover or top is composed of pieces F, F' F', and G G, also made fast to suitable end pieces, H. The top part or cover is provided with extension-pieces I—one at each corner—so that when one cover is removed it can be turned bottom side up and answer the purpose of a tub to hold the articles as they are removed from the machine. The interior of the box is provided with a circular rubbing apparatus formed by slats J, fastened to the periphery of two end pieces or heads, K. These slats are fastened so as to be a short distance apart, and also so that their rounded parts J' will extend in past the periphery of the head-pieces, as fully indicated in the drawings. These slats may be formed in single pieces, rounded on one side, or the rounded part can be formed separately and then fastened to the other part. To each end or head piece is fastened a journal, which fits in proper bearings in the ends of the main box, one of the journals extending out sufficiently far to receive a crank, L, by which the slatted cylinder is revolved.

An oblong rubber, M, is hung inside of the slatted cylinder, its journal being in line with the axis of said cylinder. This rubber M may

be made of solid material grooved on its outer side, as shown in Fig. 2; but I prefer to make it of slats and head-pieces, as indicated in Fig. 3, the slats being placed a short distance apart. A part of the slatted cylinder is so made and hinged that it can be turned back to permit the introduction and withdrawal of articles when desired. The water can be drawn off at the bottom in the usual manner.

The inside oblong rubber, M, is hung near its top, so that its bottom part has great force upon the articles, but never can choke, owing to its eccentric motion, which at once relieves it whenever there is the least tendency to choke. It makes no difference on which side of the cylinder the articles to be washed are put, nor which direction the slatted cylinder is turned, since the machine works equally well, while the articles or clothes can never get away from coming in contact with the cylinders, and thereby getting thoroughly rubbed and washed.

This machine has been practically tested and gives general satisfaction. The size of the parts can and will of course be varied to suit the tastes and views of different constructors.

The lower ends of the projections I and the upper ends of the legs E are notched out, so as to lap by each other, as indicated in dotted lines in the drawings, whereby the top or cover is held in a secure manner.

When the inner oblong rubbing-cylinder is made as represented in Fig. 3, the lower part can be weighted to give the proper force required.

What I claim, and desire to secure by Letters Patent, is—

The combination of the inner oblong hinged rubber, M, with the slatted revolving cylinder, substantially as set forth.

In witness whereof I have hereunto subscribed by name.

JOHN DANNER.

Witnesses:

SAMUEL OWEN,
JOS. FREASE.