

J. MEEK.  
Washing-Machine.

No. 218,552.

Patented Aug. 12, 1879.

Fig. 1.

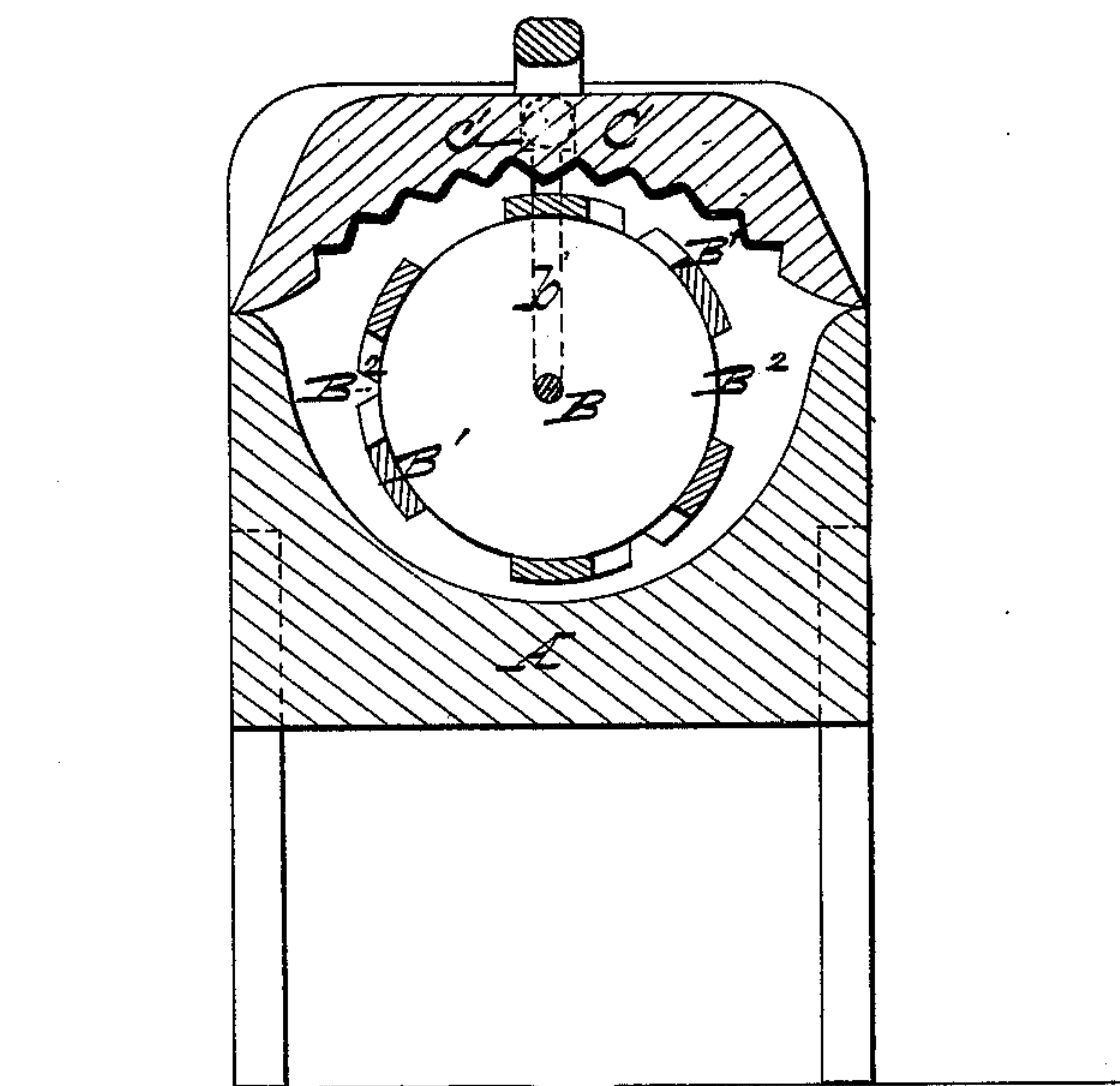
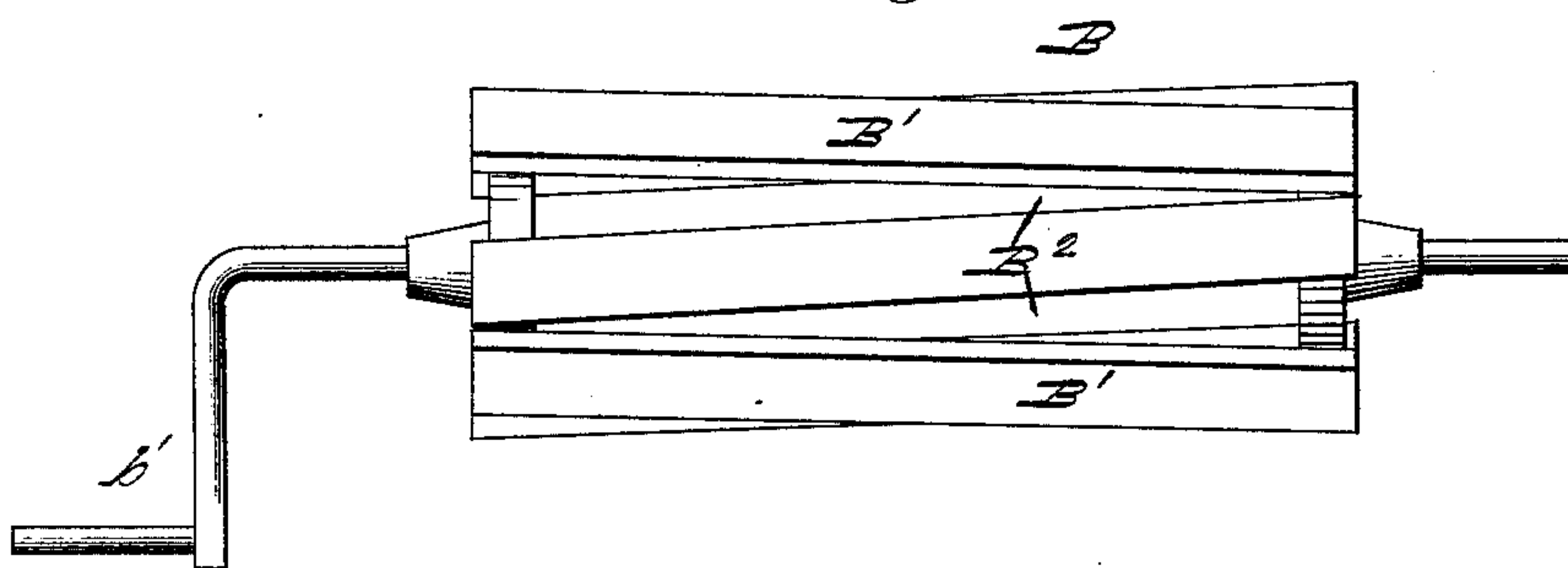


Fig. 2.



WITNESSES

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# UNITED STATES PATENT OFFICE.

JOHN MEEK, OF NEBRASKA CITY, NEBRASKA.

## IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. **218,552**, dated August 12, 1879; application filed June 7, 1879.

*To all whom it may concern:*

Be it known that I, JOHN MEEK, of Nebraska City, in the county of Otoe and State of Nebraska, have invented a new and valuable Improvement in Washing-Machines; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a vertical transverse section of my improved washing-machine. Fig. 2 is a detailed side view of the fabric-cylinder.

This invention has relation to improvements in washing-machines.

The nature of the invention consists in the construction and novel arrangement of parts, as hereinafter shown and described.

In the accompanying drawings, A marks the tub or fabric-holding receptacle, whose bottom or inside is semicircular or concave to conform to the lower half or surface of the fabric-carrying cylinder.

B is the fabric-carrying cylinder, whose shaft bears in vertical slots *b* in the ends of the tub, one end of said shaft terminating in a handle or crank, *b'*, for rotating the cylinder. This cylinder is provided with peripheral ribs  $B^1$ , which effect, in part, the washing or cleansing of the fabrics. These ribs are so arranged and fastened on the heads of the cylinder as to provide between them convergent spaces or interstices  $B^2$ , to permit the securing or wedging of the fabrics between the ribs or on the cylinder, to allow them to be carried around with the cylinder to subject their entirety to the action of the rubber above. The

convergence of each alternate space  $B^2$ , or of any two or more of these spaces, extends in an opposite direction to permit the fastening of the fabrics over the whole surface of the cylinder, one fabric or article being allowed to be fastened thereon toward one end and a second article toward the other end. By thus arranging the articles or fabrics on the cylinder each is subjected to the action of the rubber, thereby expediting its thorough cleansing.

C is the rubber, formed out of the cover, with its under side concaved and lined or provided with zinc or metal ribs or corrugations, as shown, and its ends provided with arms or projections *c c*, which fit in enlargements *c'* of the slots *b*, to permit them to have a limited amount of vertical play, which is transmitted to the rubber as it is rotated by contact with the revolving fabrics, thus effecting the rubbing of the latter.

To cause the rubber to act with greater pressure on the fabrics, it may be weighted, or its projections *c c* be held in position by springs suitably secured in their slots.

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

In a washing-machine, the fabric-carrying cylinder B, provided with ribs  $B^1$ , attached to the heads of said cylinder, as described, whereby convergent spaces  $B^2$  are formed to secure or wedge the fabrics, as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOHN MEEK.

Witnesses:

J. T. GREENWOOD,  
M. S. CAMPBELL.