

P. Wilbor,

Washing Machine.

No. 103,112.

Patented May 17, 1870.

Fig. 1.

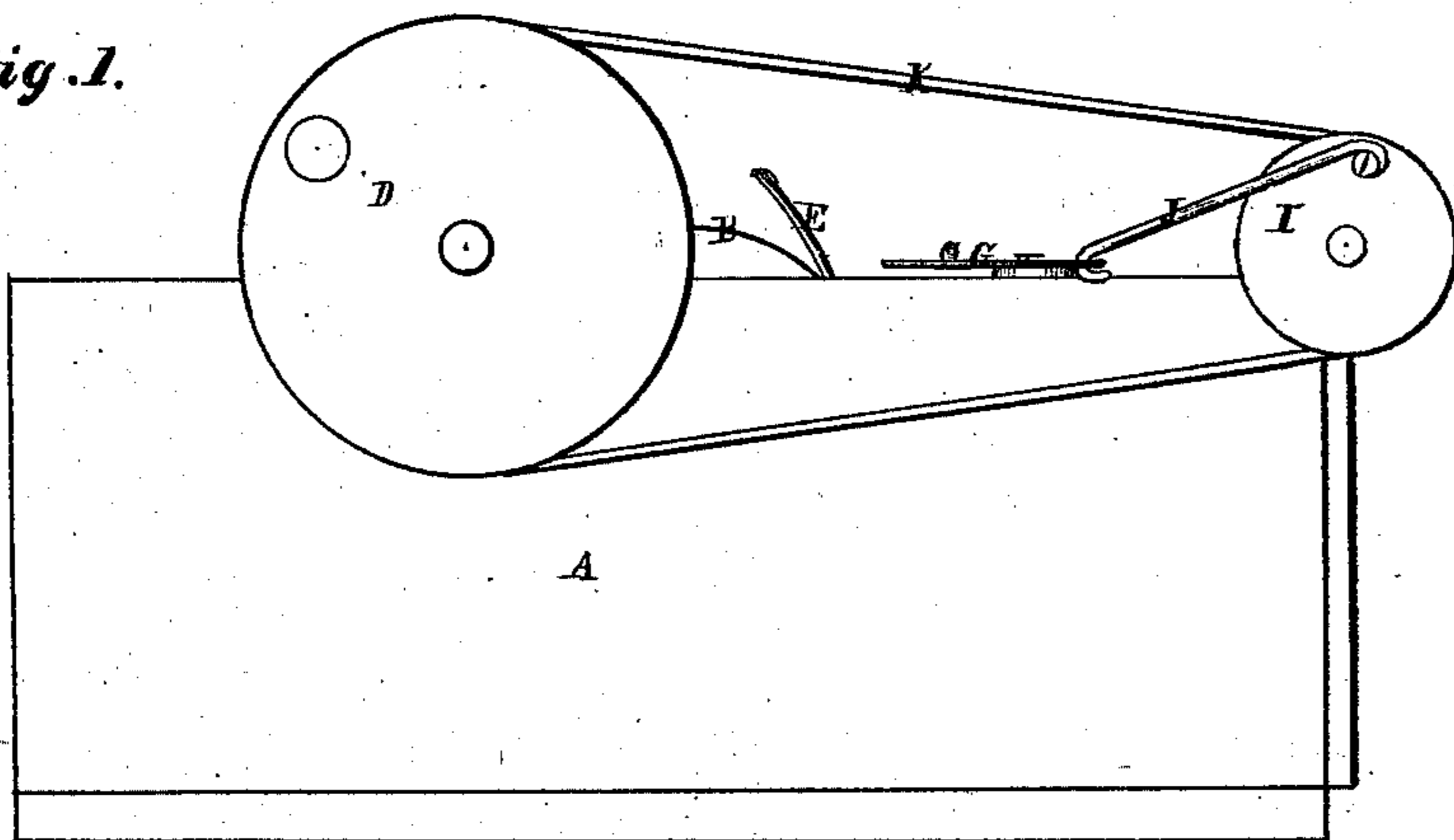


Fig. 2.

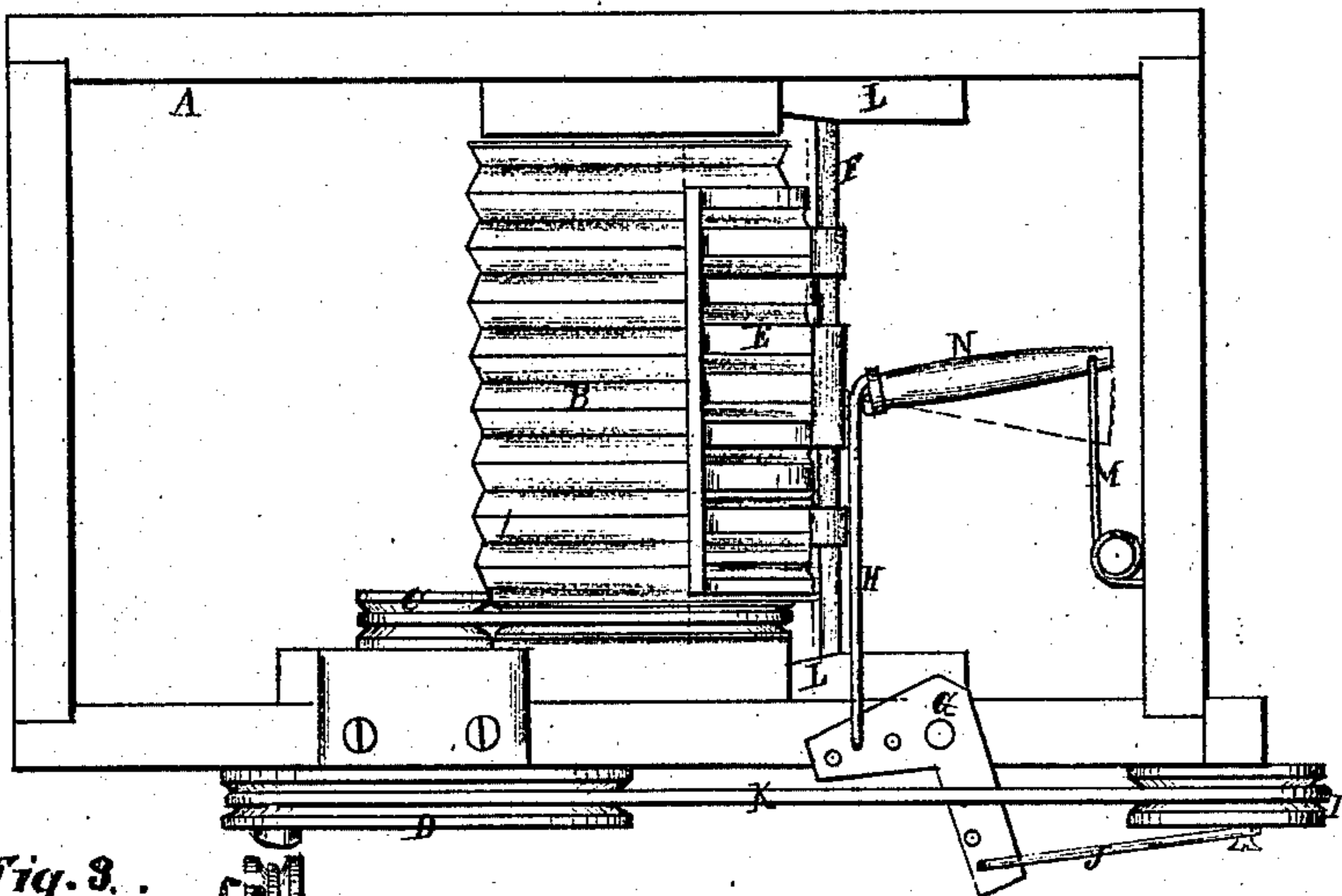
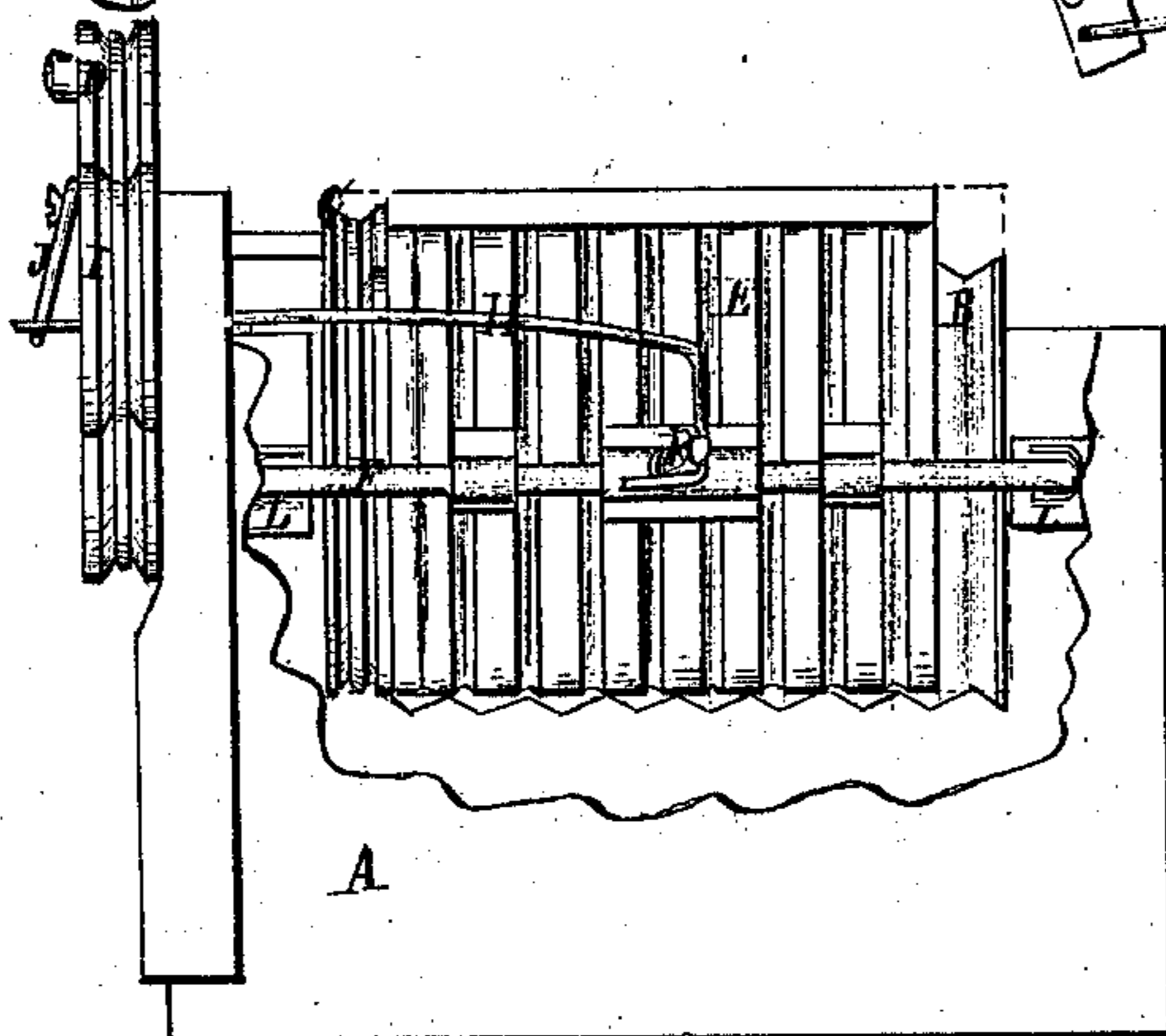


Fig. 3.



Inventor.

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Witnesses.

D. S. Humphrey

J. H. Burridge

United States Patent Office.

PHILANDER WILBOR, OF MILAN, OHIO.

Letters Patent No. 103,112, dated May 17, 1870.

IMPROVED WASHING-MACHINE.

The Schedule referred to in these Letters Patent and making part of the same.

Be it known that I, PHILANDER WILBOR, of Milan, in the county of Erie and State of Ohio, have invented certain new and useful Improvements in Washing-Machines, of which the following is a specification.

Description of Drawings.

Figure 1 is a side view of the machine.

Figure 2, a top view.

Figure 3, an end view.

Like letters of reference refer to like parts in the different views.

Nature and Object of the Invention.

This invention has for its object the washing of clothes by the use of a revolving corrugated roller, in combination with a reciprocating corrugated board operating one upon the other in the manner as follows:

General Description.

In the drawing, fig. 1—

A represents the box or case of the machine, in the sides of which is journaled the corrugated roller B, fig. 2, to which motion is given by the belt and pulley C, driven by the wheel D, as hereinafter shown.

E fig. 3, is a wash-board hinged to a shaft, F, and to which a transverse reciprocating action is given by the vibrator, G, to which it is connected by a link, H, said vibrator being actuated by a wheel, I, connected thereto by a link, J, and operated by the driving-wheel D and belt K.

The shaft F to which the wash-board is hinged, is held loosely in position by the guides L, into which the ends are fitted, and slide backward and forward therein, as and for a purpose presently shown.

Operation.

The practical operation of this machine is as follows:

The articles to be washed are thrown into the box A, one of which is then taken and spread upon the roller, to which it will adhere in consequence of its being wet. The roller B is now made to revolve by the means above described, during which time the clothes or articles on the roller are rubbed by the reciprocating action of the board E, which is forced against the roller and articles, by the spring M, fig. 2, attached to the end of the arm N, whereby the board is made to adjust itself to the thickness of the article on the roller, and to press with more or less force upon it, according to the tension of the spring, and, therefore, rub the articles more or less hard, as may be required.

The roller may be made to revolve continuously, or but partially so. By turning it backward and forward the rubbing may be continued at one particular place that may require it, and thus the more speedily remove the dirt than if the roller should be continued in its revolution for a more general rubbing.

Claim.

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

A washing-machine, when constructed with a corrugated roller, B, reciprocating wash-board E, shaft F, vibrator G, spring M, pulleys C D and case A, all arranged to operate in the manner substantially as described and for the purpose set forth.

Witnesses:

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PHILANDER WILBOR.