

D'Almeida T. Gale.

Washer and Wringer.

No. 99,552.

Patented Feb. 8, 1870.

Fig. 1.

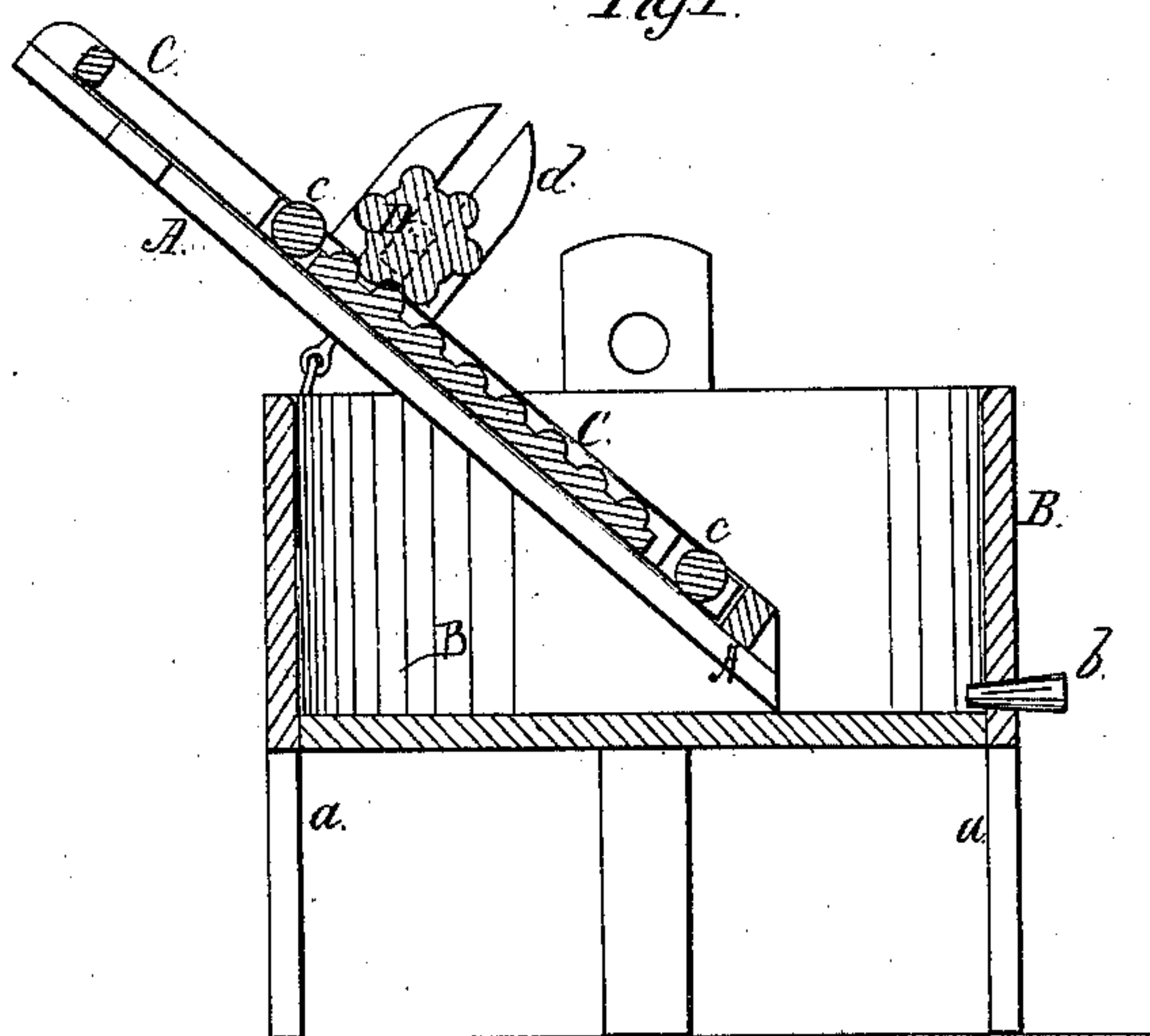


Fig. 2.

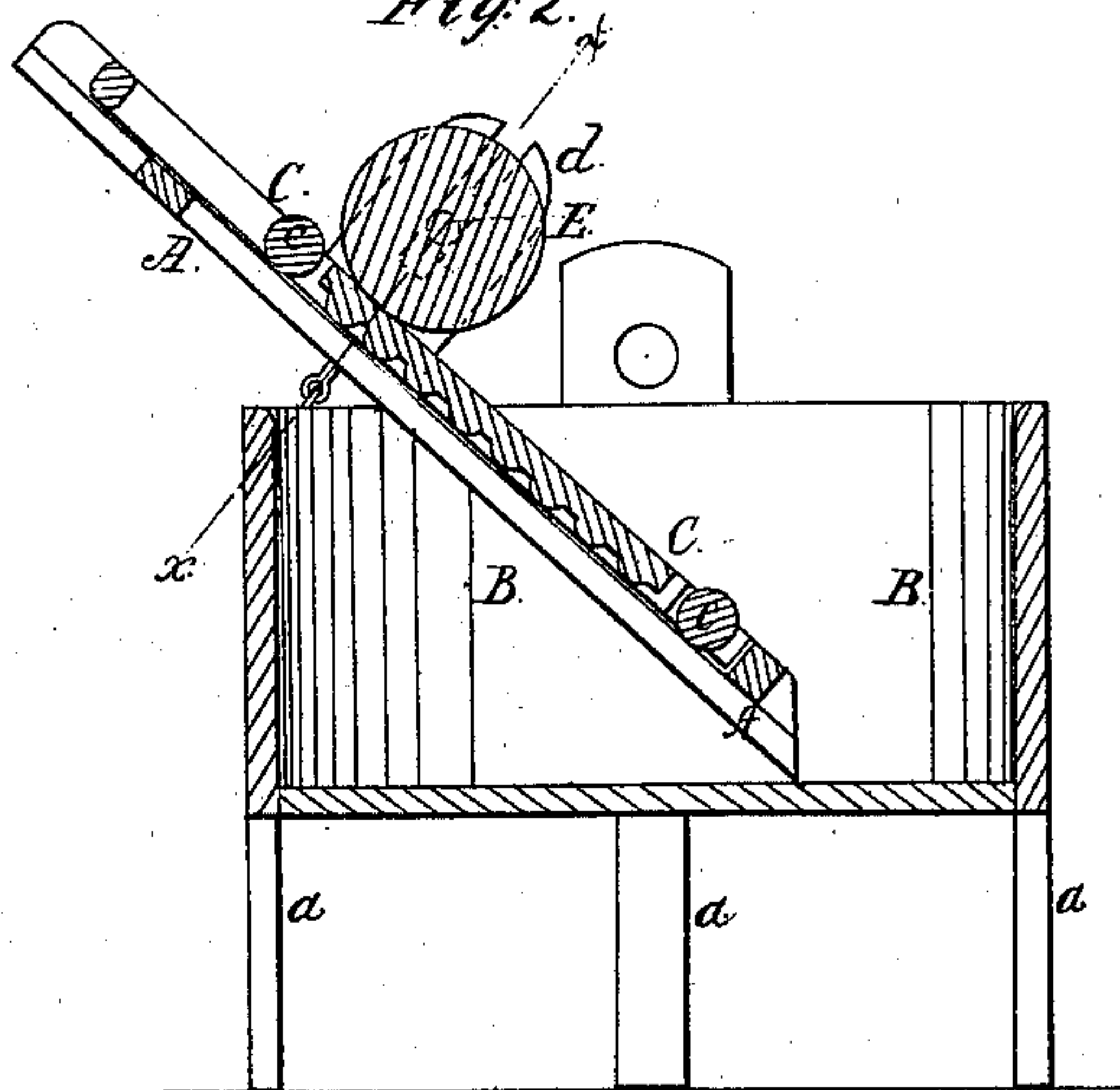
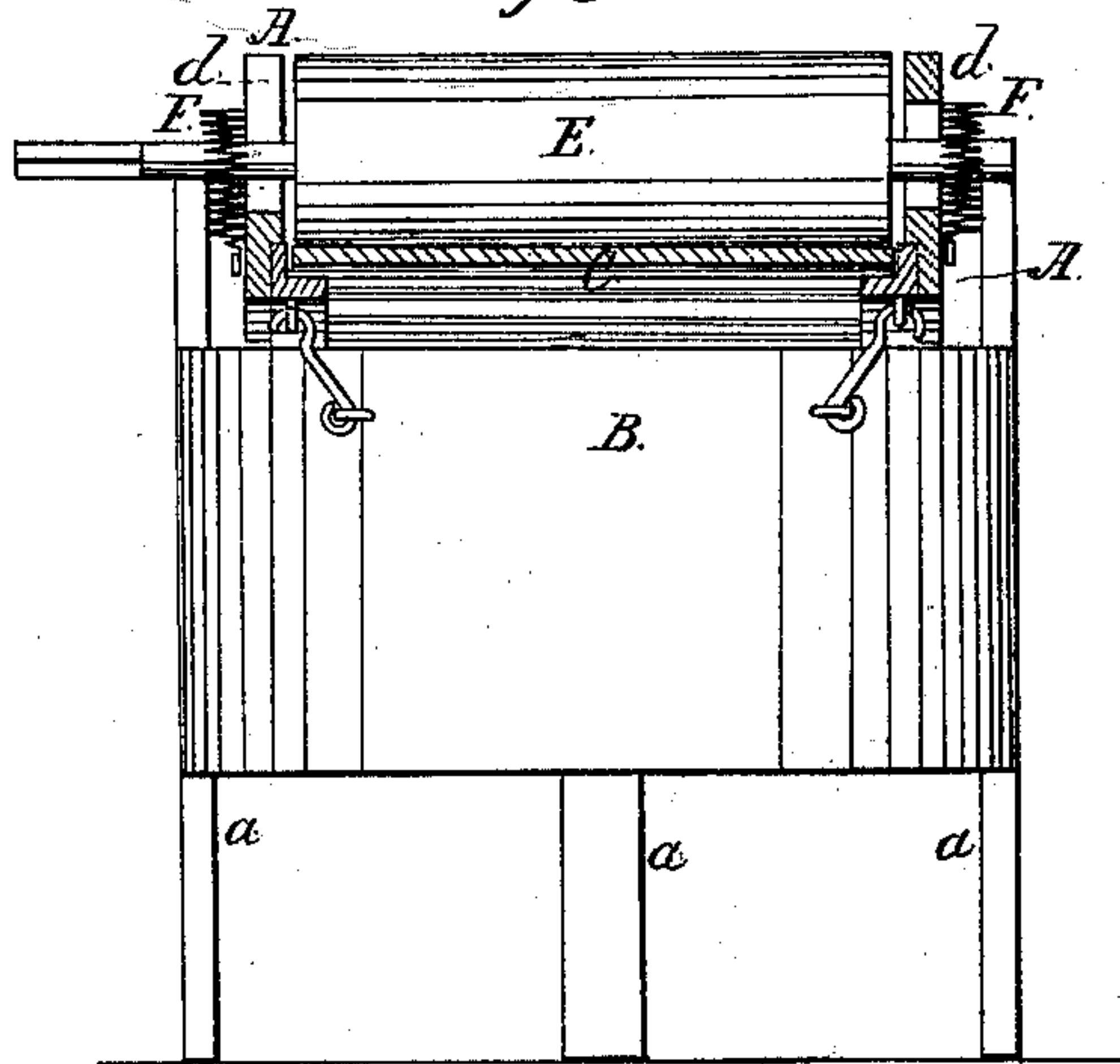


Fig. 3.



Witnesses.

Albrecht Wendt.
John E. Brooks

Inventor.

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Per *Mumme*
att'y

United States Patent Office.

D'ALEMBERT T. GALE, OF POUGHKEEPSIE, NEW YORK.

Letters Patent No. 99,552, dated February 8, 1870.

IMPROVED WASHER AND WRINGER.

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

To all whom it may concern:

Be it known that I, D'ALEMBERT T. GALE, of Poughkeepsie, Dutchess county, in the State of New York, have invented a new and improved Washer and Wringer; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

Figures 1 and 2 represent vertical longitudinal sections of my improved washer and wringer, showing the board in different positions.

Figure 3 is a detail transverse section of the same, taken on the line *x x*, fig. 2.

Similar letters of reference indicate corresponding parts.

The object of this invention is to construct a convenient apparatus, which can be used both for washing and wringing garments, and which is of very simple arrangement, and easily manipulated.

The invention consists, chiefly, in the arrangement of a reversible wash-board, of which one side is corrugated or roughened, for washing-purposes, while the other side is smooth or provided with smooth rollers, to be used for wringing clothes after they are washed.

The board is fitted into a stationary frame, in which it can be moved to and fro, and is used in conjunction with adjustable rollers, that are acted upon by springs.

A, in the drawing, represents the frame for holding my improved wash-board. It is to be secured in a suitable suds-box, for which purpose I prefer to use a tub, B, supported on legs *a*, and provided with a faucet or equivalent opening, *b*, for discharging the suds. The side boards of the frame are grooved or rabbeted, to serve as guides or rails for the wash-board C.

The board C is smooth on one side, and corrugated or roughened on the other side. It is or may be provided with rollers *c c*, which support it on the frame, and cause it to move with but little friction.

From the frame A project ears *d d*, which serve as bearings for one of two rollers D E.

The roller D is corrugated, and E is smooth, as shown.

Springs F F press upon the journals of the rollers, to hold their faces in contact with the wash-board.

The corrugated roller is to be used on the corrugated surface of the wash-board, as in fig. 1, to produce a perfect washing-machine.

The smooth roller will be used on the smooth surface, as in fig. 2, to constitute a wringer. The smooth side of the wash-board may contain rollers, if it is desired to make the device still more perfect.

The smooth roller may, however, also be used on the corrugated wash-board, and the corrugated roller on the smooth surface, if desired.

The machine is operated by either revolving the roller, by means of a crank, or by moving the wash-board to and fro in the frame.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent—

1. The board C, arranged in a frame, A, and made reversible therein, to be used for washing, in combination with roller D, as set forth.

2. The rollers D E, arranged on the frame A, for the purpose of operating alternately with the reversible reciprocating wash-board, substantially as herein shown and described.

3. A combined washer and wringer, consisting of the frame A, reversible wash-board C, rollers D E, and springs F, all arranged to operate substantially as herein shown and described.

D'ALEMBERT T. GALE.

Witnesses:

W. FARRINGTON,
E. T. GALE.