

E. & S. Cool, Washing Mach.

105650

PATENTED JUL 26 1870

Fig:1.

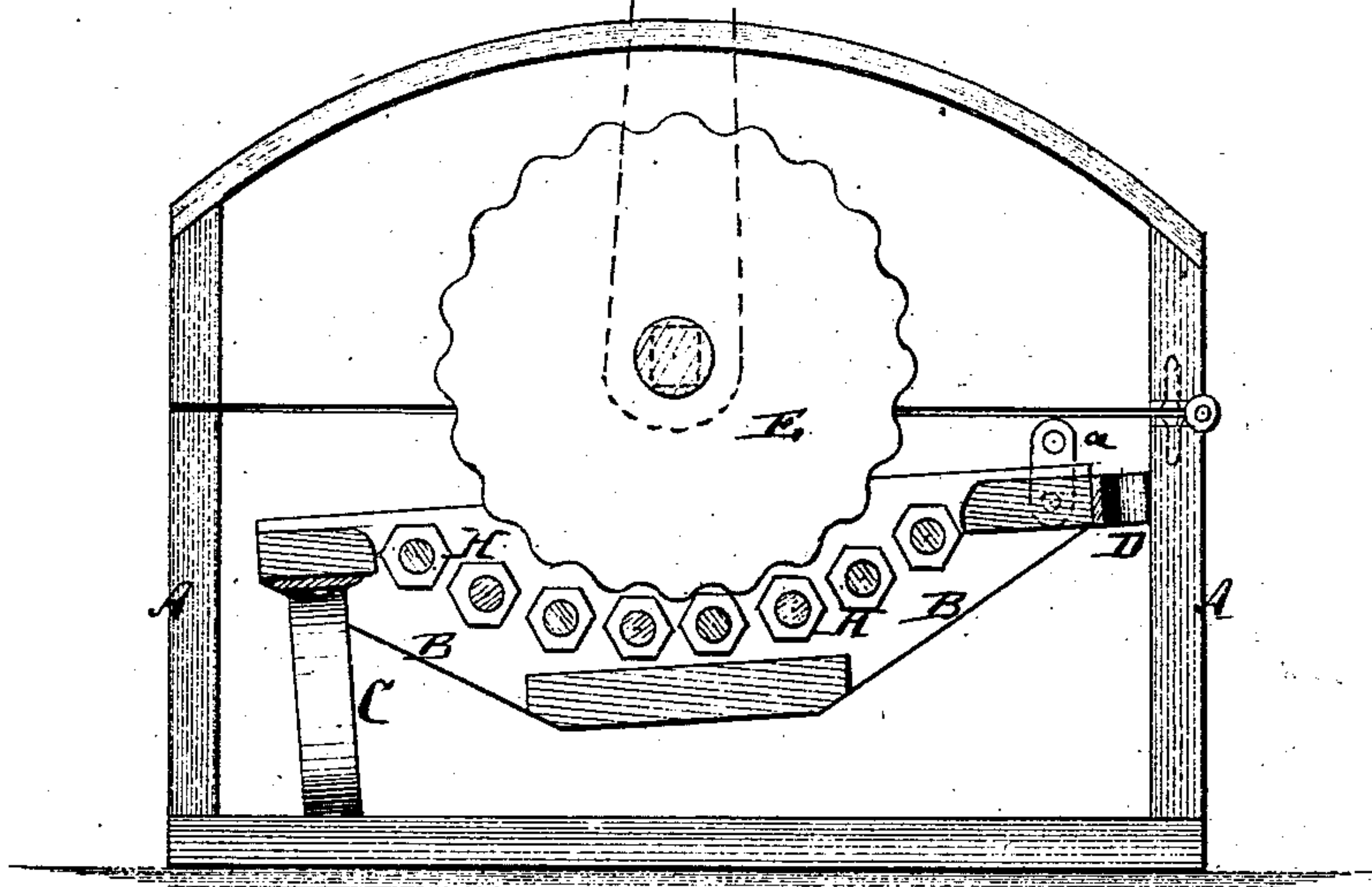


Fig:2.C

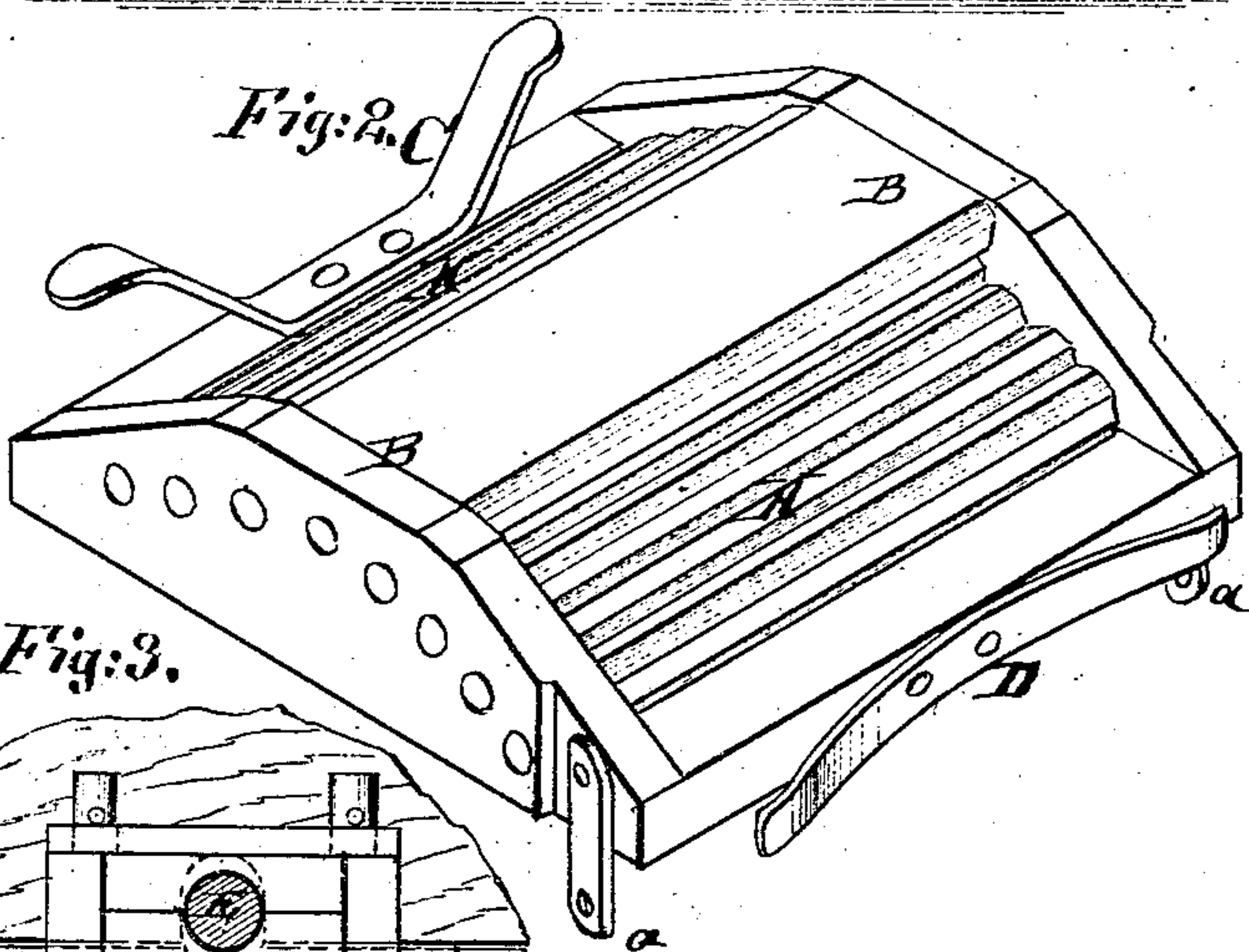
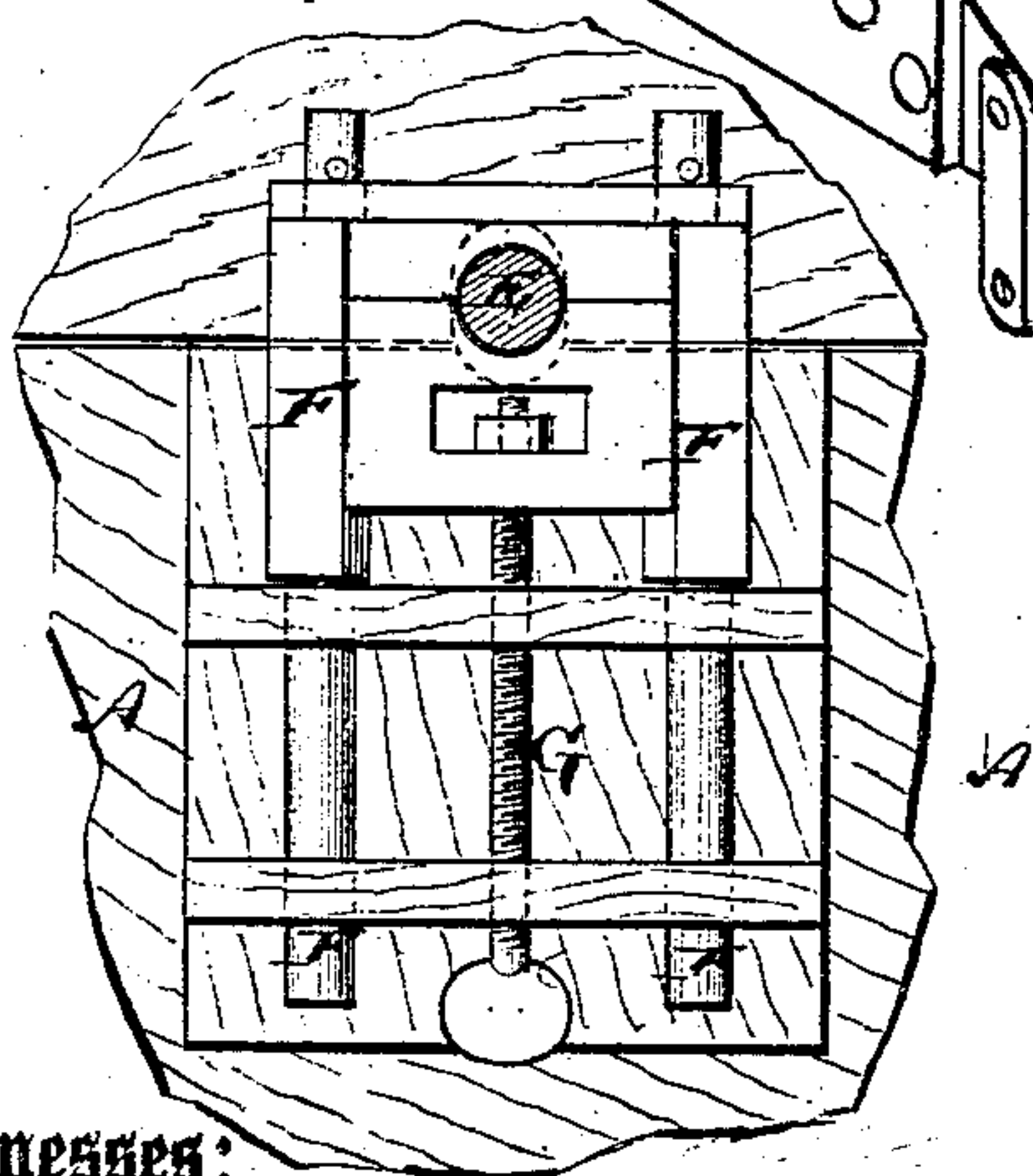


Fig:3.



Witnesses:

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EMANUEL COOL AND SABISEA COOL, OF BUCKHANNON, WEST VIRGINIA.

Letters Patent No. 105,650, dated July 26, 1870.

IMPROVED WASHING-MACHINE.

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

To all whom it may concern:

Be it known that we, EMANUEL COOL and SABISEA COOL, of Buckhannon, in the county of Upshur and State of West Virginia, have invented a new and Improved Washing-Machine; and we 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 drawing forming part of this specification, in which—

Figure 1 represents a vertical transverse section of our improved washing-machine.

Figure 2 is a perspective view of the wash-board, showing the under side and supporting-spring of the same.

Figure 3 is a detail end elevation of the machine.

Similar letters of reference indicate corresponding parts.

The object of our invention is to provide a machine which shall constitute an improvement upon others of its class, doing its work well, without great injury to the clothes, and which shall be cheap, simple in construction, and easily operated.

The construction of the same we will now proceed to detail.

A in the drawing represents the suds-box of our improved washing-machine. Within the same is arranged the wash-board, B, which is, at or near one end, suspended from the sides of the suds-box by means of pivoted links, *a a*.

The other end of the wash-board rests upon a spring, C, which is interposed between it and the bottom of the suds-box.

Another spring, D, is placed between the pivoted end of the wash-board and the end of the box.

E is a corrugated roller, hung with its ends in vertically adjustable frames, F F, that are arranged on the ends of the box. Screws, G, serve to adjust the frames E vertically, and, thereby, regulate the distance between the roller and the wash-board. The working surface of the wash-board is formed by a series of prismatic or corrugated rollers, H H.

The springs C and D impart to the wash-board a combined horizontal and vertical movement, equivalent to the rubbing and pounding manual operation. The roller E, being rotated by means of a crank, rocks the wash-board by friction, and imparts to the same, therefore, a still further rocking motion.

The roller can be set so close to, or far away from, the wash-board, that the finest or coarsest articles can be most thoroughly washed without any injury to the same.

Having thus described our invention,

We claim as new and desire to secure by Letters Patent—

The improved washing-machine, consisting of the suds-box A, the wash-board B, pivoted to the swinging links *a*, and provided with the end spring D, and supporting spring C, the vertically adjustable frame F, screw-rod G, journal-blocks, and the roller E, all said parts being constructed and arranged in the manner set forth.

Witnesses:

J. W. REGER,
J. B. REGER.

EMANUEL COOL.
SABISEA COOL.