

D. Estes,
Washing Machine,
N^o 83,613, Patented Nov. 3, 1868.

Fig. 2.

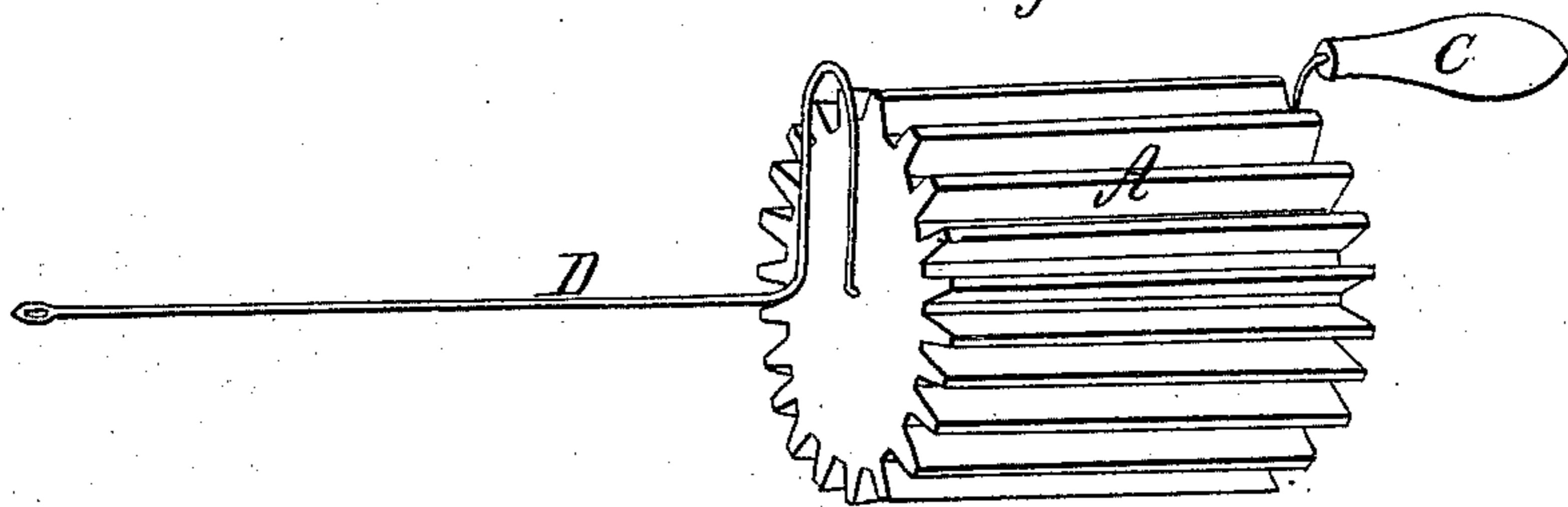
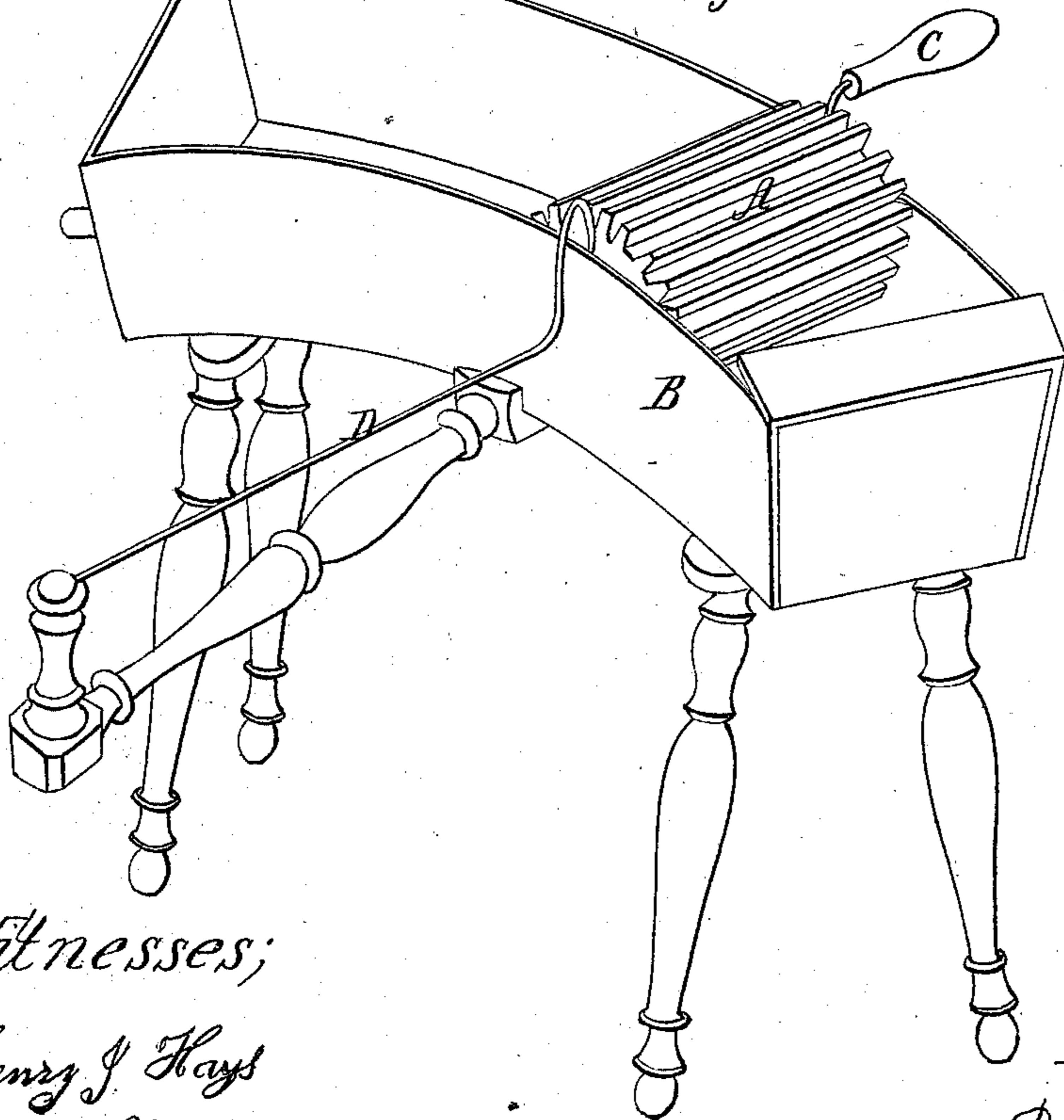


Fig. 1.



Witnesses;
Henry J. Hays
Horace Warrs

Inventor,
Dorwin Estes.

United States Patent Office.

DEXTER ESTES, OF STOCKHOLM, NEW YORK.

Letters Patent No. 83,613, dated November 3, 1868.

IMPROVED WASHING-MACHINE.

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

Be it known that I, DEXTER ESTES, of the town of Stockholm, county of St. Lawrence, and State of New York, have invented an Improved Washing-Machine; 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 the specification, in which—

Figure 1 is a perspective view of the washing-machine.

Figure 2 is a like view of the roller A and the shaft D.

The roller A is fluted or arranged with cleats, and is revolved back and forth in the box B, by means of the

handle C, attached to one end of the shaft *d*, which shaft passes through the roller *a*, and is attached at the other end, by means of a flexible joint, or its equivalent, to an arm extending from the box B.

I claim the corrugated roller A, moving in the curved box B, by means of the lever *d*, pivoted to a projection extending from one side of the box, and furnished with the handle C.

DEXTER ESTES.

Witnesses:

J. R. HAWLEY,
EDWARD CRARY.