

F. M. WEST, J. B. THURSTON & W. K. PHELPS.

Letter Copying Presses.

No. 152,783.

Patented July 7, 1874.

Fig. 1

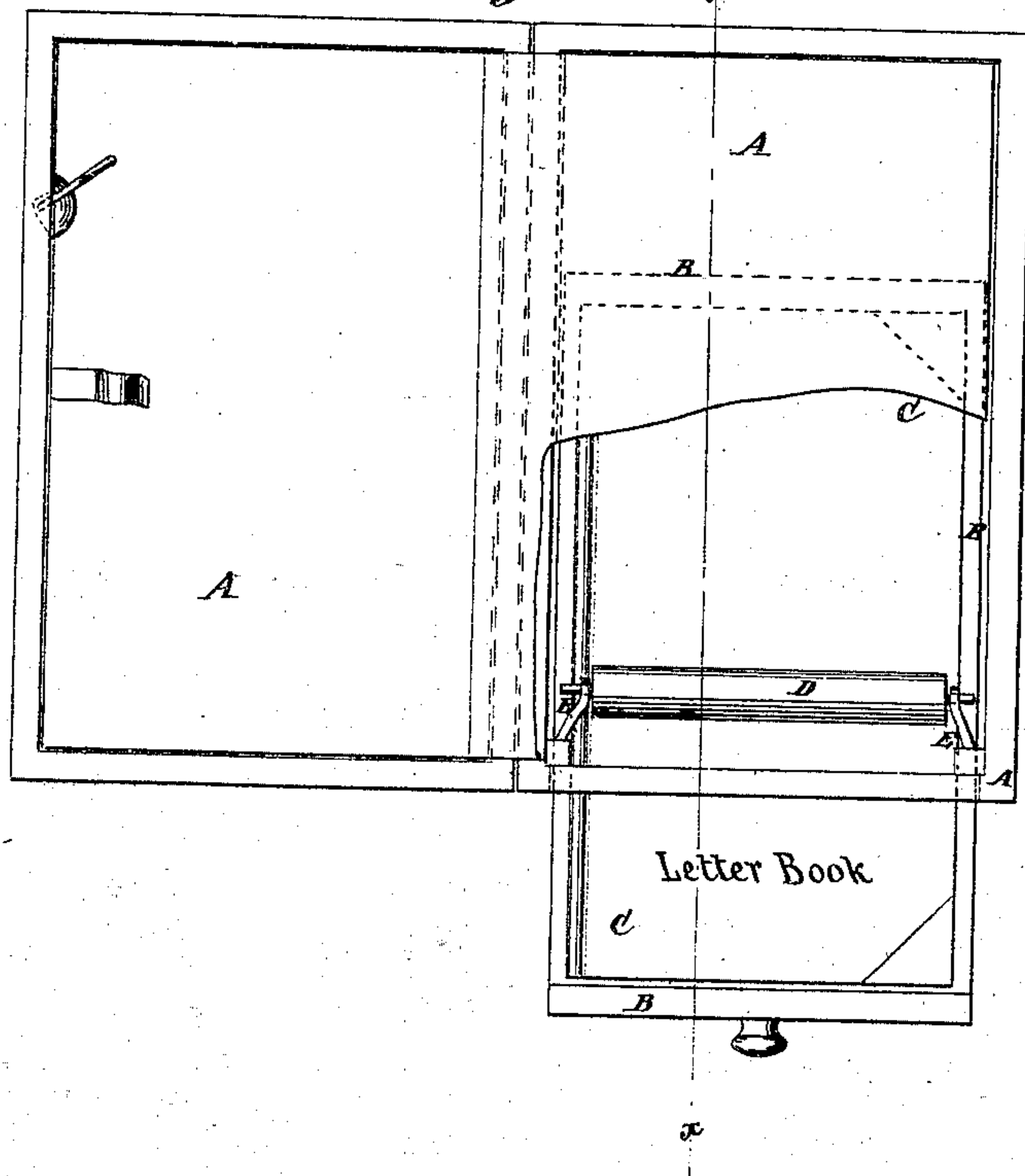
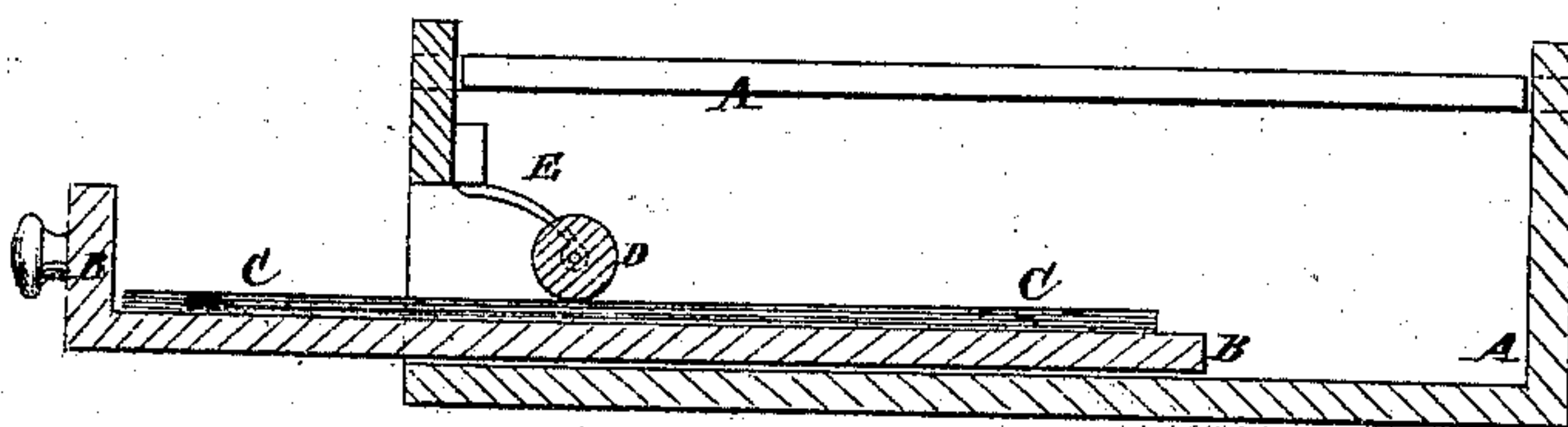


Fig. 2



WITNESSES:

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UNITED STATES PATENT OFFICE.

FRANK M. WEST, JAMES B. THURSTON, AND WILLIAM K. PHELPS, OF NEW YORK, N. Y.

IMPROVEMENT IN LETTER-COPYING PRESSES.

Specification forming part of Letters Patent No. **152,783**, dated July 7, 1874; application filed December 6, 1873.

To all whom it may concern:

Be it known that we, FRANK M. WEST, JAMES B. THURSTON, and WILLIAM K. PHELPS, of the city, county, and State of New York, have invented a new and useful Improvement in Letter-Copying Presses, of which the following is a specification:

Figure 1 is a top view of a portable writing-desk to which our improvement has been applied, part being broken away to show the construction. Fig. 2 is a detail section of the same, taken through the line *x x*, Fig. 1.

The invention will first be fully described, and then pointed out in the claim.

A represents an ordinary portable writing-desk, in one end of which is formed an opening for a drawer or slide, B, of such a size as to conveniently receive the letter-book C. The drawer B may be made either with or without side-boards, as may be desired. D is a roller, which is made of a length equal, at least, to the breadth of the letter-book C, and the journals of which are pivoted to springs E, of such a strength as to press the roller D down upon

the book C with sufficient force to take the copy properly. The springs E are secured to the desk A in such a position that the roller D may bear upon the letter-book C as the drawer B is inserted in its place, and may roll along said book from end to end as the said drawer is pushed in.

The roller D E and drawer B may be applied to a portable writing-desk, as shown in the drawings, to an office desk or table, or to a box constructed expressly to receive them.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

The combination, with desk A and the drawer B, of the roll D, held by springs E, in the manner and for the purpose described.

FRANK M. WEST.
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Witnesses:

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