

L. A. Trapp.
Curtain Fixture.

No. 62235.

Patented Feb. 19. 1867.

Fig. 2.

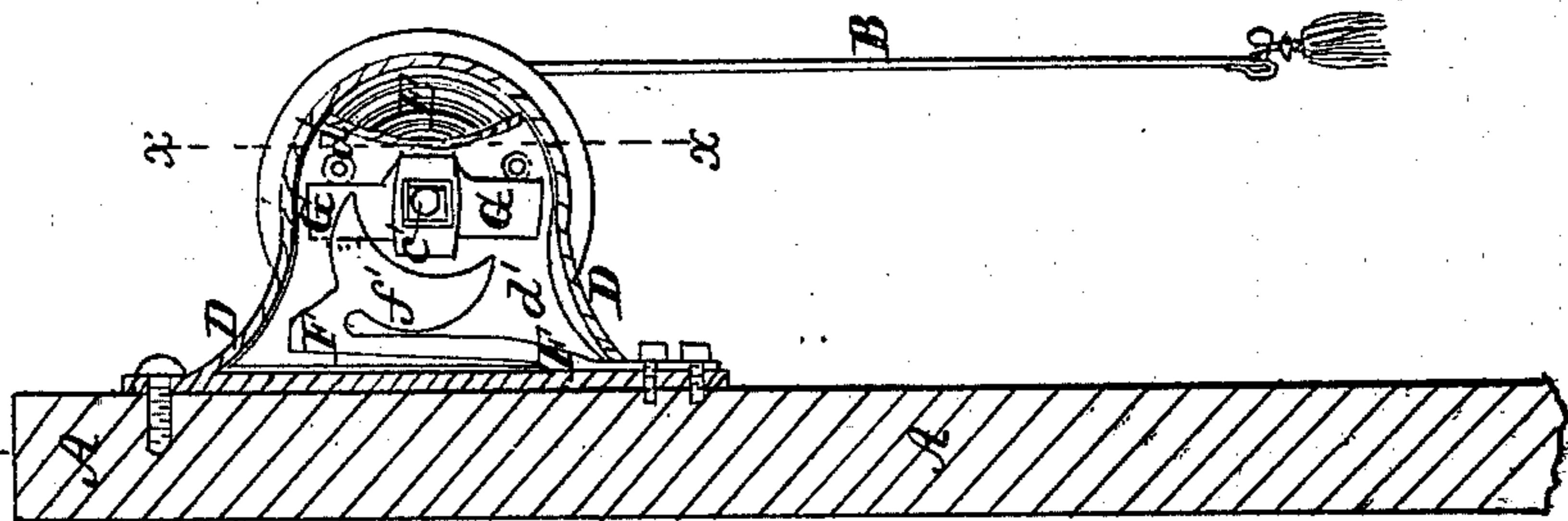
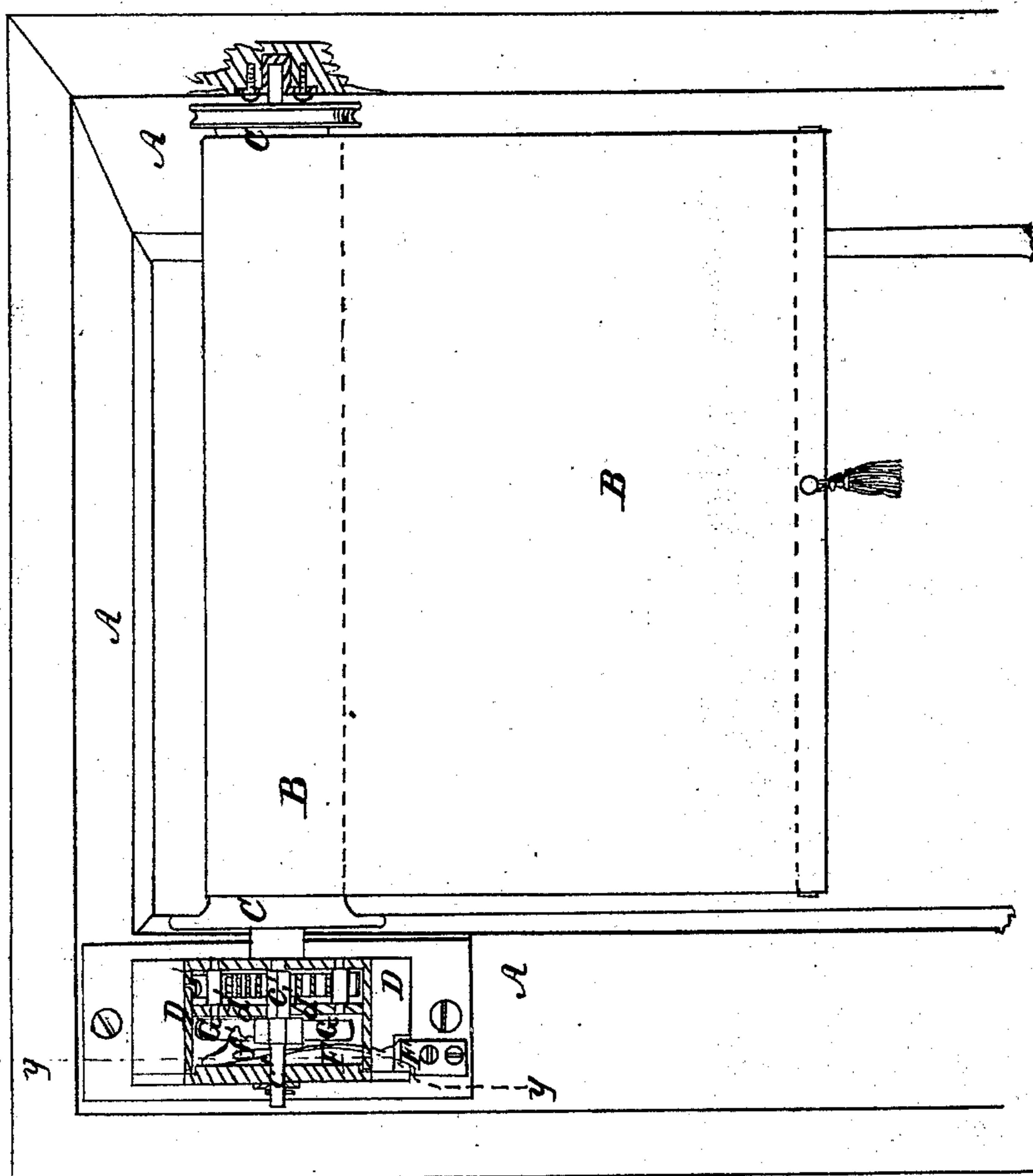


Fig. 1.



Witnesses;
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United States Patent Office.

L. A. TRIPP, OF MIDDLETOWN, NEW YORK, ASSIGNOR TO HIMSELF AND
C. H. HORTON, OF SAME PLACE.

Letters Patent No. 62,235, dated February 19, 1867.

IMPROVED CURTAIN FIXTURE.

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, L. A. TRIPP, of Middletown, in the county of Orange, and State of New York, have invented a new and improved Window-Shade Fixture; 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, in which—

Figure 1 is a front view of a window with my improved fixture attached partly in section through the line *x x*, fig. 2.

Figure 2 is a vertical section of the same, taken through the line *y y*, fig. 1, and part being broken away to show the spring.

Similar letters of reference indicate like parts.

My invention has for its object to furnish an improved fixture, by means of which window shades may be raised or held in any desired position; and it consists in the combination of a spring-catch, one or more radial arms, a coiled spring, and the journal of the roller, with each other, as hereinafter more fully described.

A is the casing of the window, to which the shade B is attached. C is the roller, upon which the shade B is wound. D is the cap or case that contains the operating parts of the fixture. This cap is attached to the casing of the window, and forms the bearing for one journal of the roller C. The other journal of the roller may work in bearings in the casing A, or in a cap or case similar to the case D, so as to give a similar appearance to both ends of the said roller. E is a spring, coiled around the journal *c'* of the roller C, to which one of its ends is attached. The other end of the spring E is attached to the case D. *d'* is a partition, passing through the case D, and forming a chamber for the spring E. F is a spring, one end of which is secured to the plate of the case D, and upon its other end is formed a catch, *f'*, set slightly inclined, as shown in fig. 1. Upon one side of the catch *f'* is formed an inclined plane, terminating in a shoulder, as shown in dotted lines in figs. 1 and 2, upon which the radial arms G catch to hold the shade B in the desired position. G are radial arms, attached to the journal *c'* of the roller C. The arms G are flattened and set slightly inclined, so that they may be in a proper position for catching upon the shoulder of the catch *f'*. This form of the catch *f'* and arm G also enables the said arms to pass the said catch without catching when the roller C is revolved in the other direction. One or more arms, G, may be attached to the journal *c'*, but I generally prefer to use two, as operating in a more satisfactory manner. The spring E, catch F, arms G, and journal *c'* are so arranged that, when the roller C is revolved in one direction, that is to say, when the shade B is drawn down, the spring E will be wound around the journal *c'*, and the shade will be held in any desired position by the arms G and spring-catch F. By drawing the shade down slightly, and then allowing the spring E to roll it up by uncoiling itself from the journal *c'*, the shade may be raised to any desired point, and secured there, by slightly drawing down the shade till one of the arms G catches upon the shoulder of the spring-catch F. This fixture may be applied to raising and lowering window sash, and to various other uses.

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

An improved window-shade fixture, formed by the combination of the spring-catch F *f'*, one or more radial arms G, the coiled spring E, and the journal *c'* of the roller C with each other, substantially as herein shown and described, and for the purpose set forth.

The above specification of my invention signed by me this 3d day of January, 1867.

L. A. TRIPP.

Witnesses:

WM. F. McNAMARA,
JAMES T. GRAHAM.