

W. C. Kennedy,

Curtain Fixture.

No. 112,814.

Patented Mar. 21, 1871.

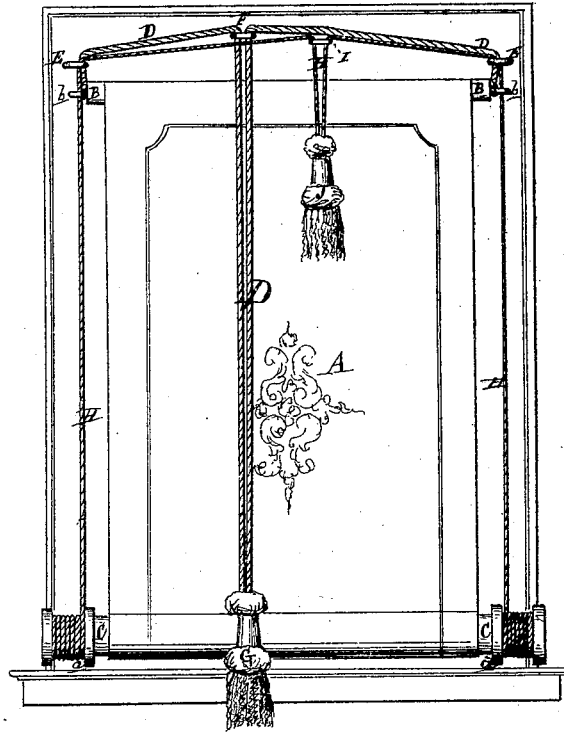


Fig. 1.

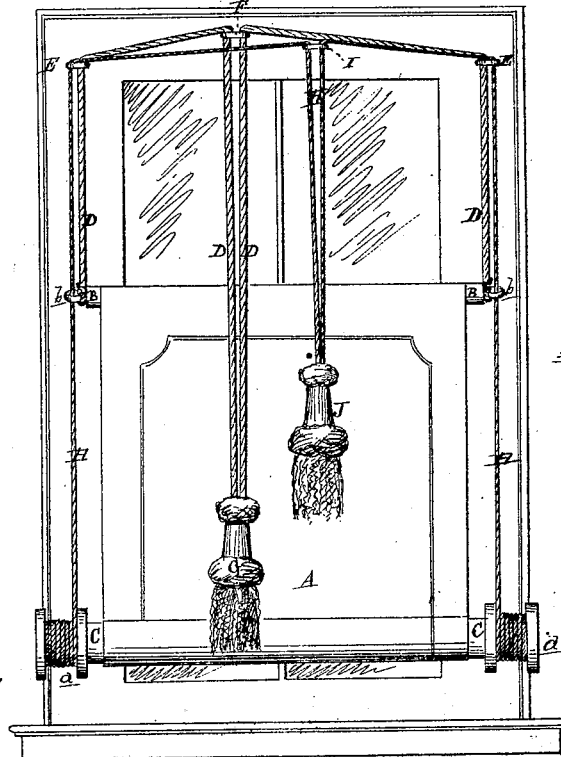


Fig. 2.

ATTEST
Frederick Eberle,
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UNITED STATES PATENT OFFICE.

WILLIAM C. KENNEDY, OF COMMERCE, MICHIGAN.

IMPROVEMENT IN CURTAIN-FIXTURES.

Specification forming part of Letters Patent No. **112,814**, dated March 21, 1871.

To all whom it may concern:

Be it known that I, WILLIAM C. KENNEDY, of Commerce, in the county of Oakland and State of Michigan, have invented a new and useful Improvement in Window-Curtain Fixtures; and I do hereby declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, and being a part of this specification, in which—

Figure 1 is an elevation of a window fully shaded by my curtain, and Fig. 2 shows the curtain lowered from the top and partially rolled upon the roller at the lower end thereof.

Like letters indicate like parts in each figure.

The nature of this invention relates to an improvement in the hangings and operating fixtures of window curtains or shades, whereby the curtain may be lowered from the top or rolled up from the bottom, or both, to suit the requirements of the occasion.

The invention consist in the peculiar method of hanging the shade and the arrangement of curtain cords and pulleys for operating the same, as more fully hereinafter set forth.

In the drawings, A represents a window-shade, to the top of which is secured the slat or rod B, and to the bottom a roller, C, having at each end a spool, *a*. To the ends of the rod B are secured the laterally-projecting guides *b*, to the necks of which is secured one end of the cord D, passing up through the screw-eyes E at the upper corners of the win-

dow-frame, thence to a central one, F, and then down to a tassel, G. By raising or lowering this tassel the top of the curtain may be raised or lowered.

H are cords, which have one end attached to the spools of the roller, around which several turns are taken. The cords are then led up through the guides *b* of the upper slat, through the eyes E to a central screw-eye, I, and down to a tassel, J, which, like the other, should be loaded to balance the weight of the curtain and rollers. By drawing down the tassel J the lower roller will roll up and wind on it the curtain, so that the position of the curtain may be readily adjusted to give any desired opening at top and bottom of the window. When the top of the curtain is moved up or down, the weight being partially taken off the lower roller, the latter rolls or unrolls with the movement of the top, so that, the top being lowered, the lower roller will wind up the slack of the curtain and unroll it when the top is raised.

If preferred, the screw-eyes may be replaced by pulleys at the top of the window-frame.

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

The arrangement of the cords D D and H H, screw-eyes E E, F, and I, rod B, roller C, and spools *a* with relation to each other and the shade A, substantially as described, for the purpose set forth.

WILLIAM C. KENNEDY.

Witnesses:

FREDERICK EBERTS,
MYRON H. CHURCH.