

H. H. PHILLIPS.
No. 124,154.

Improvement in Curtain Fixtures.
Patented Feb. 27, 1872.

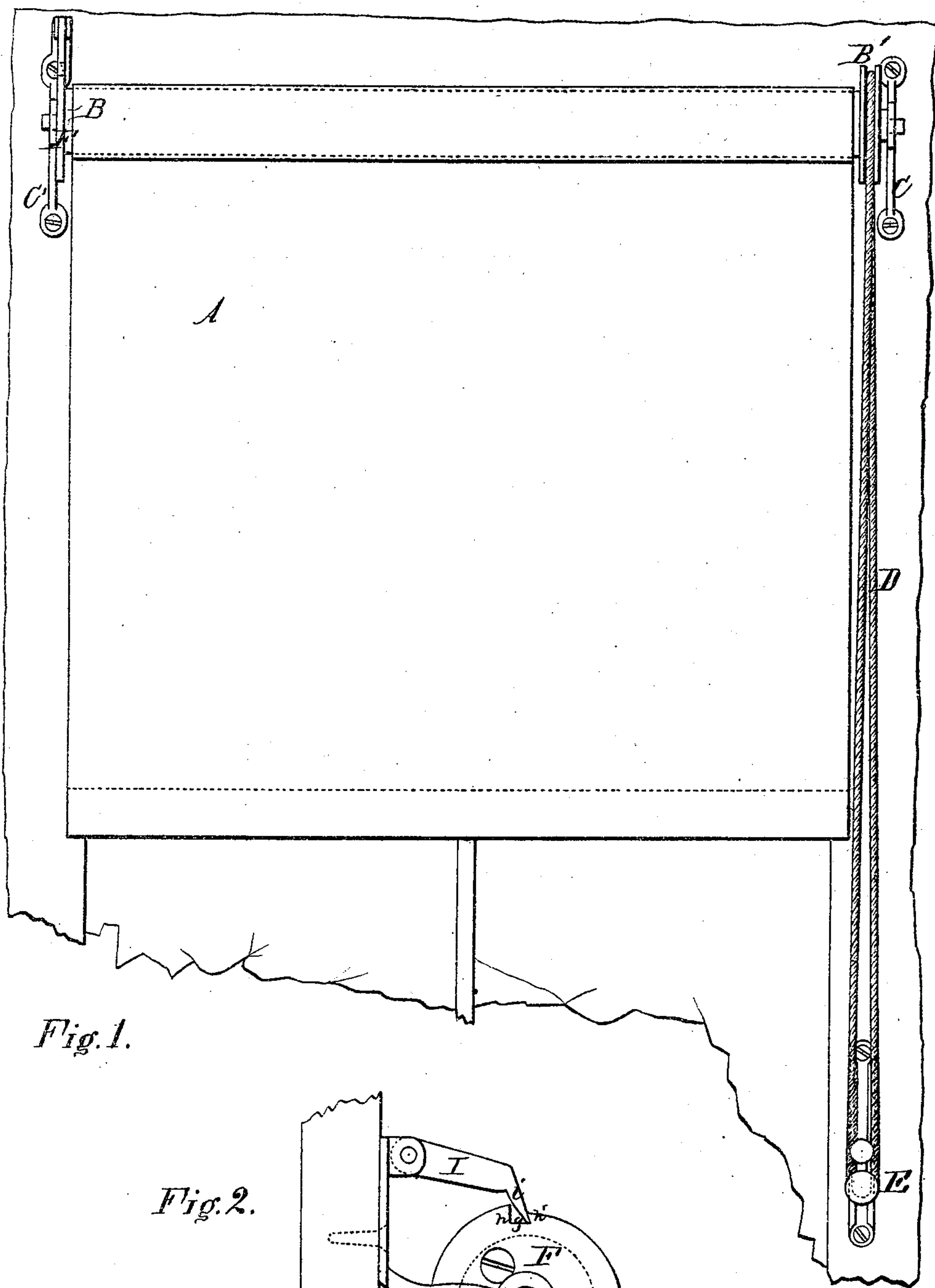
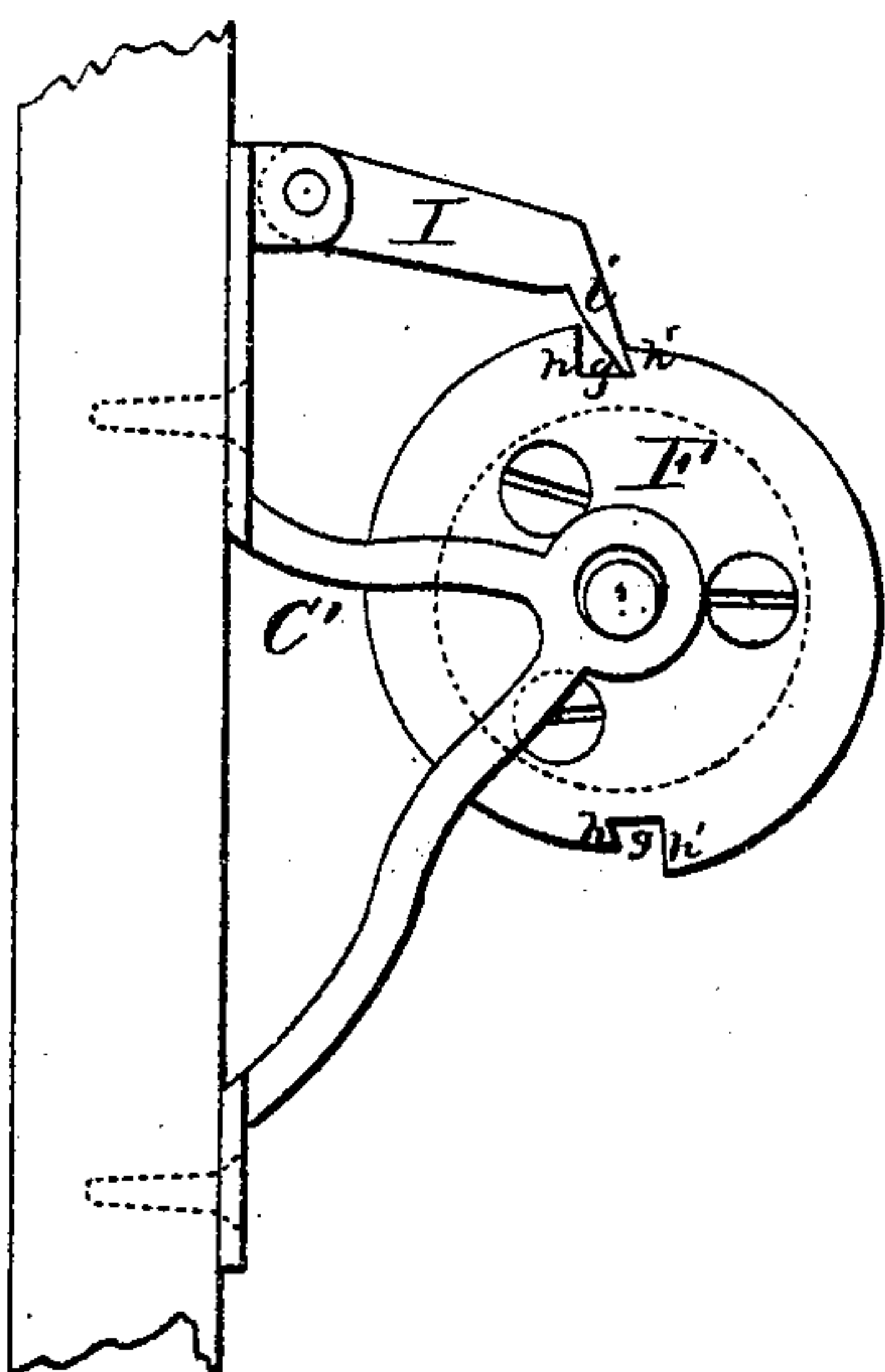


Fig. 2.



Witnesses.

Villette Anderson.

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124,154

UNITED STATES PATENT OFFICE.

HENRY H. PHILLIPS, OF BUFFALO, NEW YORK.

IMPROVEMENT IN CURTAIN-FIXTURES.

Specification forming part of Letters Patent No. 124,154, dated February 27, 1872.

To all whom it may concern:

Be it known that I, HENRY H. PHILLIPS, of Buffalo, in the county of Erie and State of New York, have invented a new and valuable Improvement in Curtain-Fixtures; 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 drawing making a part of this specification and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a front view of my invention. Fig. 2 is an end view of the same.

This invention has relation to "window-curtain fixtures;" and consists in the novel construction and arrangement of an automatic double-acting lock, placed at one end of the curtain-roller, and of such a nature that by a proper manipulation of the attachments, whereby the curtain is raised and lowered, the curtain itself may be locked at any desired position, and as readily loosened therefrom to be further elevated or lowered.

In the accompanying drawing, A represents a window-curtain; B, the curtain-roller; and C C', the brackets upon which the same is supported. B' designates the curtain-pulley; D, an endless cord passing over the same; and E, the cord rack or tightener. F represents a locking-wheel, secured to the end of the curtain-roller. In the edge of said wheel are cut notches *g*, having walls *h h'* of unequal height. The edge of the wheel is formed on curves running from the top of the lower wall of one

notch to the top of the higher wall of the next. A pawl or dog, I, pivoted to the bracket C' has a beveled, obliquely-projecting finger, *i*, which engages with the notch in the brake-wheel. The lower walls *h* of the notches are beveled inwardly to prevent the pawl from being thrown out by the weight of the curtain. To release the pawl the curtain has simply to be raised.

In rolling up the curtain the pawl will readily pass by the notches, but will enter them and hold the curtain whenever the same is released. To draw the curtain down it is first raised sufficient to lift the pawl, after which a rapid pull on the curtain will cause the roller to turn swiftly and the finger on the pawl to skip the notches in the brake-wheel.

My invention is particularly applicable to heavy store shades which the ordinary tightened cord is insufficient to sustain; but may be used in connection with the endless cord, pulley, and rack on light or heavy shades.

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

The endless cord D, pulley B', and rack or cord holder E, in combination with the notched cam F and pawl I, substantially as herein shown and described.

In testimony that I claim the above, I have hereunto subscribed my name in the presence of two witnesses.

HENRY H. PHILLIPS.

Witnesses:

F. B. CURTIS,
D. D. KANE.