W. A. WHEELDON.

Curtain-Fixtures.

No. 136,195. Patented Feb. 25, 1873.

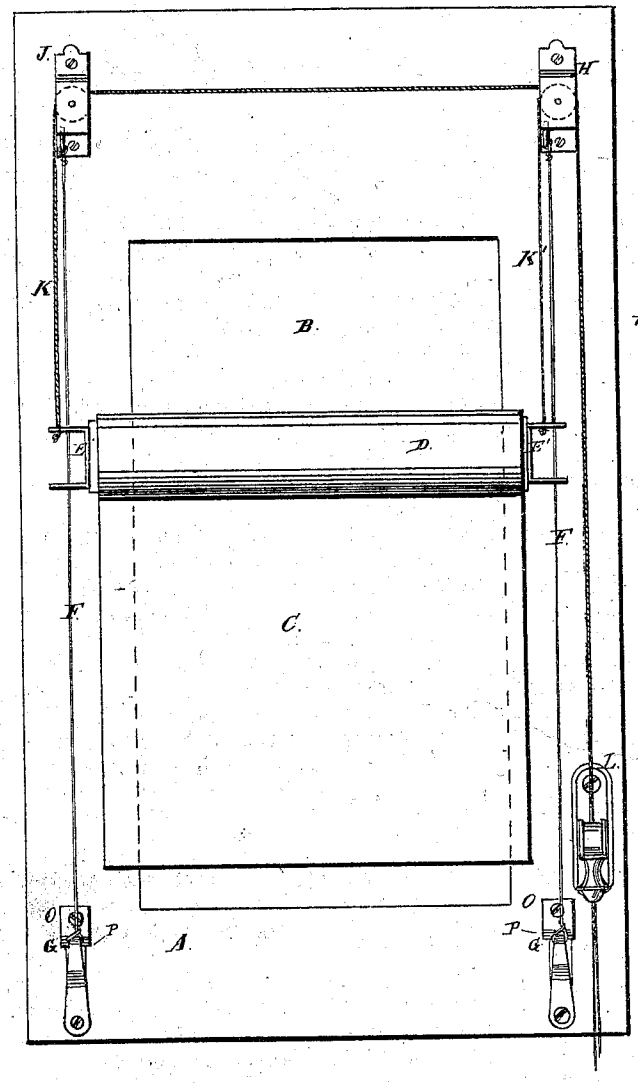

fig. 1.

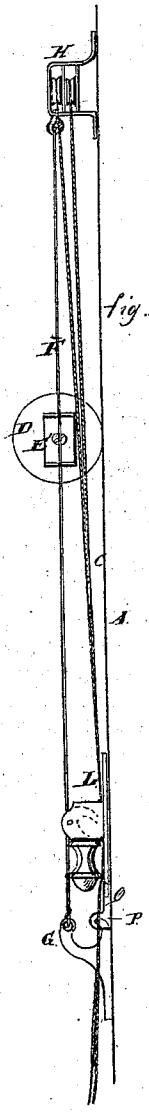

fig. 2.

Witnesses:
Henry F. Brunes
John W. Mundays.

Inventor:
William A. Wheeldon.

UNITED STATES PATENT OFFICE.

WILLIAM A. WHEELDON, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-HALF HIS RIGHT TO DIXON BEAN, OF SAME PLACE.

IMPROVEMENT IN CURTAIN-FIXTURES.

Specification forming part of Letters Patent No. **136,195**, dated February 25, 1873.

To all whom it may concern:

Be it known that I, WILLIAM A. WHEELDON, of Chicago, in the county of Cook and State of Illinois, have invented certain Improvements in Curtain-Fixtures, of which the following is a specification:

Nature of the Invention.

This invention relates to that class of curtain-fixtures in which the roller or stick, from which the shade is pendent, is arranged and connected with a mechanism, by means of which the said roller may be raised or lowered bodily, carrying with it the entire curtain or shade, which may be in turn rolled or unrolled upon the roller by an independent mechanism; and the invention consists in mounting the said roller in slides, which traverse two vertical strained wires—strained by a peculiar mechanism of levers, as described—one at each side of the window-frame, an arrangement of cords and pulleys being combined therewith to raise and lower simultaneously both of said slides, as will more fully hereinafter appear.

In the accompanying drawing, which forms a part of this specification, Figure 1 represents a front view of my invention, and Fig. 2 is a side elevation of the same.

To enable those skilled in the art to make and use my invention, I will proceed to describe the same with particularity, making use, in so doing, of the aforesaid drawing by letters of reference thereto.

General Description.

A represents the window-frame or casing. B is the window. C is the shade or curtain, and D the roller or curtain-stick. This roller may contain, if desired, a spring and ratchet, so as to operate automatically to roll up the curtain in any of the well-known ways in use. E E′ are two metallic slides furnishing bearings for the pivots of the roller. F F are two metallic wires applied to the two sides of the window-frame, and strained tightly from brackets or pulleys H and J, and tightening-levers G G, fastened to the window-frame at the four corners. These wires pass through holes in the slides E E′, so that said slides may be moved readily up and down the wires, which thus act as guides. K K′ are cords to operate the curtain. These pass over pulleys H J, and raise and lower the roller D upon the guide-wires. O O are metal pieces screwed, or otherwise firmly secured, to the window-frame. P P are recesses in the lower ends of said pieces made so as to receive the ends of the tightening or straining levers G G of the wires F.

These wires are first secured to the pulley-frames H and J, secured to the upper corners of the window-frames and to the levers G before they are fastened in place. One end of the levers is then placed in the recesses P P, and the wires F strained by bringing the other ends of the levers down in place, as shown, where they are permanently held by fastening them to the window-frame. It is necessary to have these wires strained tight.

Claim.

Having thus fully described the construction and operation of my invention, what I claim as new, and desire to secure by Letters Patent, is—

The metal plates O, having the recesses P and the straining-levers G G, in combination with the guide-wires F attached at their upper ends to the pulleys or pulley-casings at the upper corners of the window-frame, all constructed substantially as and for the purpose specified.

WILLIAM A. WHEELDON.

Witnesses:
HEINR. F. BRUNS,
JOHN W. MUNDAY.