

J. L. Oliver,

Curtain Fixture.

No. 109241.

Patented Nov. 15, 1870.

Fig. 1.

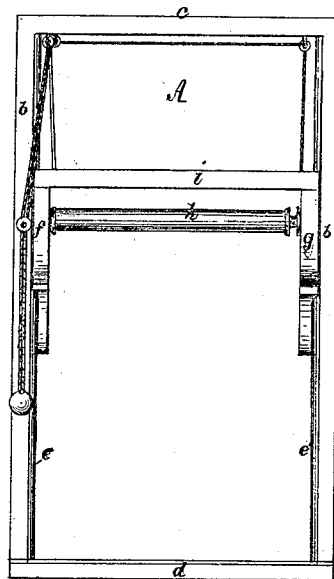


Fig. 2.

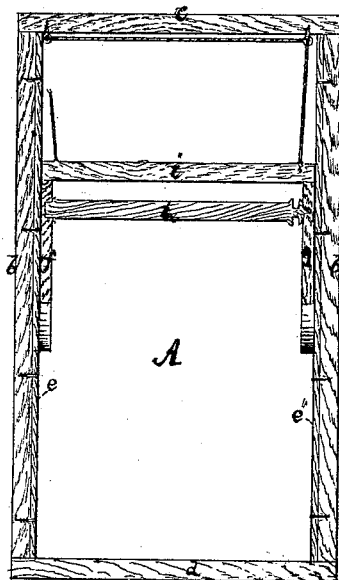
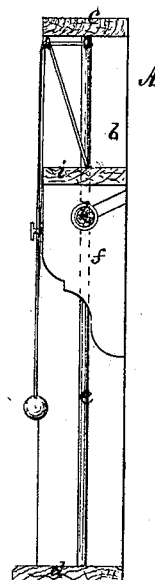


Fig. 3.



Witnesses.

Geo. A. Loring.
Edw. Griffiths.

James Lloyd Oliver

by his Attorney.
Frederick Curtis

United States Patent Office.

JAMES LLOYD OLIVER, OF BOSTON, MASSACHUSETTS.

Letters Patent No. 109,241, dated November 15, 1870.

IMPROVEMENT IN CURTAIN-FIXTURES.

The Schedule referred to in these Letters Patent and making part of the same.

To all to whom these presents shall come:

Be it known that I, JAMES LLOYD OLIVER, of Boston, in the county of Suffolk and State of Massachusetts, have made an invention of a new and useful Mode of Mounting or Hanging Window-Curtains, or the same and their rollers; and do hereby declare the following to be a full, clear, and exact description of my invention, due reference being had to the accompanying drawing making part of this specification, and in which—

Figure 1 is an elevation;

Figure 2, a vertical section; and

Figure 3, a horizontal section of said invention.

This invention has reference to a novel and useful mode of mounting a window-curtain roller, or roller and curtain, whereby the altitude of the same with respect to the window is varied and adjusted at pleasure, without interfering with the proper action of its ordinary functions, the purpose of such an invention being to enable any portion of a window to be left unobstructed or shaded by the curtain, as the case may be, as well as to allow of free passage of air either above or below such curtain; or at the same time both above and below the same.

This invention consists in mounting or swiveling each end of a curtain-roller in a sliding block or carrier, such carriers sliding upon suitable rails or guides applied to opposite sides of the window-frame, by means of which the altitude of the curtain may be varied, as and for the purposes above premised.

The drawing accompanying and illustrating this description of my invention exhibits, at A, the frame of a window, of which *b b* are the side supports or posts, *e* the upper cross-bar or tie, and *d* the sill.

In carrying out my invention in one practical form I affix to the inner face of each post *b* an upright rib or spline, *e* and *e'*, while sliding upon such ribs I mount two carriers or blocks, *f g*, the opposite ends of the roller *h* being stepped or swiveled within these carriers, as exhibited.

Although it may be found in practice that the curtain-roller *h* will suffice to properly connect and secure the carriers *f g* together, I prefer to unite them by a cross-bar, *i*, extending across the interior of the window-frame, as shown in the drawing hereto annexed.

The gravity of the curtain and roller and of the carriers *f g* may, of course, be counterbalanced by a suitable weight or spring in a manner which will be understood by any mechanic.

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

The sliding curtain-roller carriers *f g*, connected as described, in combination with the posts *b* and ribs or splines *e e'* on the inner faces of the same, said parts being arranged for joint operation, as shown and set forth.

JAS. L. OLIVER.

Witnesses:

FRED. CURTIS,

EDWARD GRIFFITH.