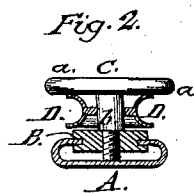
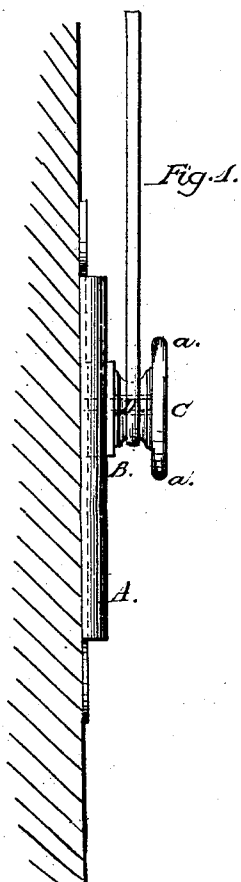


O. Thayne & Canfield,

Curtain Fixture.

No. 85,846.

Patented Jan. 12. 1869.



Witnesses:
Gustave Dietrich
Wm. A. Morgan.

Inventors:
O. Thayne
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By Munn & Co.
Attorneys.



PATRICK O'THAYNE AND DAVID W. CANFIELD, OF NEW YORK, N. Y.

Letters Patent No. 85,846, dated January 12, 1869.

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 we, PATRICK O'THAYNE and DAVID W. CANFIELD, of New York, in the county of New York, and State of New York, have invented a new and improved Cord-Tightener for Window-Shade Fixtures; and we 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 represents a side view of our improved cord-tightener.

Figure 2 is a transverse horizontal section of the same.

Similar letters of reference indicate like parts.

This invention relates to certain improvements in the apparatus by which the endless cords for rolling window-shades are held stretched, and consists in the construction of the various parts, as will be hereinafter more fully described.

A, in the drawing, represents the sheet-metal or other plate of a cord-tightener.

It is provided with turned edges, in which, as on rails, the slide B can be moved up and down at will.

Through this slide may be fitted a screw, C, on the outer end of which a knob, *a*, is formed.

The upper part of the screw is left without a thread, and is larger than the lower threaded part of it, so as to form a shoulder, *b*, as shown.

D is the small roller or pulley to receive the string. It is fitted around the upper smooth part of the screw, which is so much longer than the said roller is thick, that the latter can never be clamped by the screw.

When the cord is to be stretched or slackened, the slide is, by means of the knob *a*, readily moved down or up; but when the position has been ascertained, the screw is turned, so that its end comes against the back of the plate A, while the shoulder *b* comes against the face of the slide B, as shown in fig. 2. Thereby the plate A will be slightly sprung, so that the slide B will be firmly held in position.

By this simple apparatus, the adjusting of the cord will be greatly facilitated, without interfering with the functions of the roller D.

Having thus described our invention,

We claim as new, and desire to secure by Letters Patent—

The block B, provided with side grooves adapted to slide upon the turned edges of the plate A, and receiving the screw C in such a manner that it shall be clamped in any desired position when the point of the screw is brought in contact with the back of the plate, as herein shown and described.

P. O'THAYNE.
D. W. CANFIELD.

Witnesses:

FRANK BLOCKLEY,
ALEX. F. ROBERTS.