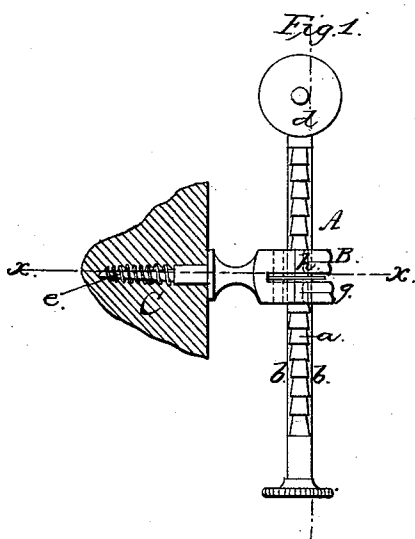
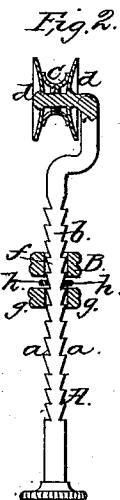
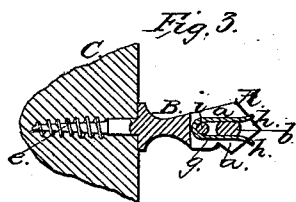


R. B. Burchell,
Curtain-Cord Tightener,
No. 29,461, Patented Aug. 7, 1860.



Witnesses:

William Langley
Richard Tra Eyer

Inventor:

Richard B. Burchell

UNITED STATES PATENT OFFICE.

RICHARD B. BURCHELL, OF BROOKLYN, NEW YORK.

WINDOW-SHADE FIXTURE.

Specification forming part of Letters Patent No. 29,461, dated August 7, 1860; Reissued February 26, 1861, No. 1,144.

To all whom it may concern:

Be it known that I, RICHARD B. BURCHELL, of Brooklyn, (E. D.,) in the county of Kings and State of New York, have invented a new and useful Improvement in Shade-Fixtures; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1, is an elevation of my invention. Fig. 2, is a sectional elevation of the same. Fig. 3, is a horizontal section of the same, taken in the line *x, x*, of Fig. 1.

Similar letters of reference indicate corresponding parts in the several figures.

This invention relates to an improvement in that portion of shade-fixtures which is employed to retain in proper position and keep "taut" the roller cord.

The object of the invention is to facilitate the adjustment of the rod which contains the pulley around which the lower part of the cord passes, so that the latter may be readily strained or tightened and also relaxed as occasion may require.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A, represents a rod which has a rack *a*, cut or formed at each side of it; said rack being of cylindrical shape, and therefore having two racks *a, a*, and two smooth convex surfaces *b, b*, all of which are shown in Fig. 2.

On the upper part of the rod A, there is fitted a pulley *c*. This pulley may be fitted between two stationary guards or cheek-pieces *d, d*, in order that the roller cord which passes around the pulley *c*, may be kept thereon; see Fig. 2.

B, is a bar or bracket which is provided with a tang or screw *e*, by which the bracket may be secured horizontally to the window-

casing C. This bar or bracket has a vertical hole *f*, made through it, to allow the rod A, to pass through; and in this bracket there are placed in slots *g, g*, horizontal pawls *h, h*, one at each side of the rod A. These pawls are elastic, being formed of springs, and both of them have a tendency to engage with the racks *a*, of the rod A. The pawls may be constructed of steel wire, bent in U-form, as shown clearly in Fig. 3; each pawl being retained in place by a pin *i*.

From the above description it will be seen that the roller cord may be readily tightened by drawing down through the bracket B, the rod A, when the pawls *h, h*, are engaged with the racks *a, a*, of the rod; as the pawls *h, h*, hold or retain the rod. When, however, it is desired to relax the cord, for the removal of the shade roller, around which the upper part of the shade cord passes; the rod A, is simply turned in its bracket B, so that the smooth parts *b, b*, of the former will be opposite the pawls, and the rod may be shoved directly upward; as the racks are removed from the pawls; the latter merely bearing against the smooth portions of the bar, and forming no appreciable resistance to its movement.

One rack *a*, might be made to answer instead of two; but two would be preferable.

Having thus described my invention, what I claim as new, and desire to secure by Letters-Patent, is—

The rod A, provided with racks *a*, one or more, and smooth surfaces *b*, and fitted within the bracket B, which is provided with a pawl or pawls *h*; all being arranged to operate substantially as and for the purpose set forth.

RICHD. B. BURCHELL.

Witnesses:

WILLIAM CAUGHEY,
RICHARD TEN EYCK, Jr.