

N. Thompson,

Curtain Fixture.

No. 113364.

Patented Apr. 4, 1871.

Fig. 1.

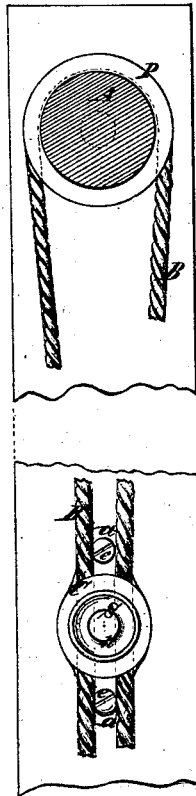


Fig. 2.

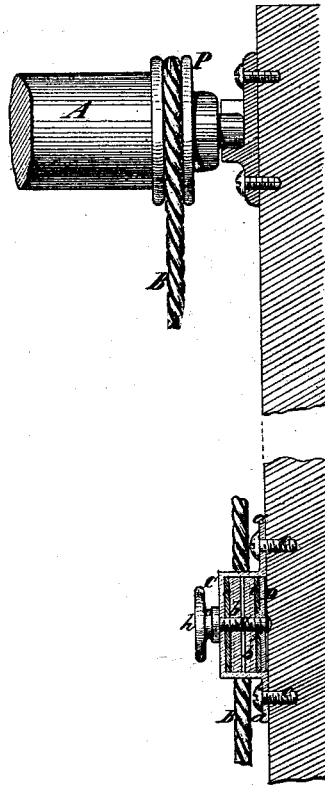


Fig. 3.



Witnesses.

Wm. H. Hays
R. R. Hays

Inventor.

Nathan Thompson

United States Patent Office.

NATHAN THOMPSON, OF BROOKLYN, NEW YORK.

Letters Patent No. 113,364, dated April 4, 1871.

IMPROVEMENT IN WINDOW-SHADE FIXTURES.

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

To all whom it may concern :

Be it known that I, NATHAN THOMPSON, of Brooklyn, in the county of Kings and State of New York, have invented a new and improved Window-Shade Fixture; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing forming a part of this specification.

The invention consists in a screw-clamp of novel construction, which is to be secured to the window-casing in a convenient position for the passage of the shade-cord through it, and by which sufficient friction is produced and tension maintained upon the cord passing through it to hold the shade in any position, but not to prevent it from being drawn up or down by a direct pull upon the cord.

In the accompanying drawing—

Figure 1 is a front or face view of my improved shade-fixture, and

Figure 2 is a vertical section of the same, both views representing it applied to a shade.

Figure 3 is a transverse horizontal section of the fixture, showing it detached.

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

A is the shade-roller, provided at one end with the usual pulley P, over which the operating-cord B passes in the usual manner. This cord, which hangs down from the front and back of said pulley, may have its ends secured together, or left free, as desired.

C is a metal box provided with lugs *a a*, which are secured by screws *e e* to the window-casing, and having in its top and bottom two holes for the passage of the cord B, and in the center of its front another hole for the reception of the shank of a screw, S.

D is a follower, which is of a shape and size to fit within the box C, and constitutes the back thereof. Said follower has formed on its inner side a boss, *f*, in which there is a tapped hole to receive the screw S.

The screw S is provided with a head, *h*, on its outer end, by which it is operated, and its inner end is riv-

eted beyond the follower so as to prevent it from being entirely withdrawn from it, but not so as to interfere with its operation therein.

Between the follower D and the front of the box are two blocks *b b*, of hard wood or other hard material, in the faces or opposed sides of which are longitudinal grooves of nearly semicircular form in their transverse section, said grooves being opposite the holes in the top and bottom of the box, and serving to receive the cord B.

These blocks are backed with strips of India-rubber, cork, or other elastic material, *c c*, and they are so pressed toward each other, by means of the screw S, as to adjust the friction upon the cord to make it support the shade in any position.

The fixtures may be arranged on the window-frame at any distance from the roller.

The shade is raised and lowered by pulling on the front or back portion of the cord which hangs below the fixture; and in this operation the tension on the cord is preserved, provided a proper degree of compression is produced by the clamping-screw to make the clamps give the necessary friction to the cord.

In case, from any accidental cause, the cord should become slack between the roller and the fixture, a puff on either portion of the cord below the fixture will, if the friction of the clamp be sufficient, give proper tension to the cord, and thereby make it produce the necessary friction on the pulley to hold the roller.

Instead of the screw S screwing into the follower, it might be secured thereto, and operate within a nut on the exterior of the front of the box.

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

The combination of the box C, grooved blocks *b b*, follower D, and screw S, substantially as and for the purpose herein described.

NATHAN THOMPSON.

Witnesses :

R. E. RABEAU,
FRED. HAYNES.