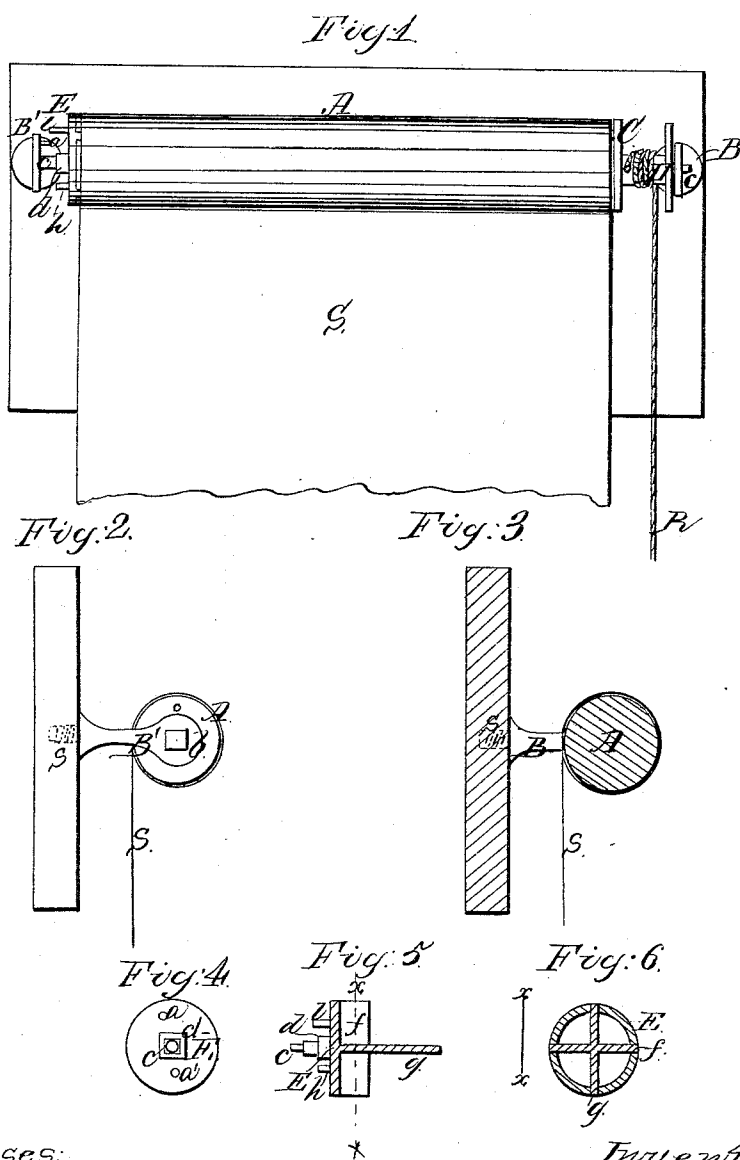


B. Handforth,
Curtain Fixture,
No. 83,957, Patented Nov. 10, 1868



Witnesses:
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H. Bruns.

Inventor:
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United States Patent Office.

BENJAMIN HANDFORTH, OF CHICAGO, ILLINOIS.

Letters Patent No. 83,957, dated November 10, 1868.

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 I, BENJAMIN HANDFORTH, of Chicago, in the county of Cook, and State of Illinois, have invented a new and useful Improvement in Curtain-Fixtures; and I do hereby declare and make known that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and the letters and figures marked thereon, which form part of this specification.

My said invention consists in a novel device attached upon one end of the roller, upon which the curtain is rolled to raise it, and from which it is unrolled to lower it, whereby said roller may be locked, by giving it a slight longitudinal movement in one direction, or be unlocked by a similar movement in the opposite direction, which movements are easily imparted by giving the cord, by which the curtain is raised or lowered, an oblique pull in the desired direction, thus enabling the curtain to be secured at any desired elevation, as hereinafter more fully set forth.

To enable those skilled in the art to understand how to construct and use my said improvement, I will proceed to describe the same with particularity, making reference, in so doing, to the aforesaid drawings, in which—

Figure 1 represents a front view of my said invention;

Figure 2 is an end view thereof;

Figure 3 is a cross-section of the same;

Figure 4 is an end view of the roller, with its attachment;

Figure 5 is a side view of the fixture upon the end of the roller; and

Figure 6 is an interior sectional view of the same.

Similar letters of reference in the several figures denote the same parts of my invention.

A represents the roller, upon which the shade S is secured in any suitable manner, B B' being the metallic bearings, screwed into or otherwise secured to the window-casing, the bearing B having a round hole for the pins *c c* to turn in, if desired, while the bearing B' is provided with a rectangular opening, or some other angular-formed opening, for the purposes hereinafter to be described.

Upon the pin or spindle *c*, which enters the bearing

B', is formed a square or other angular shoulder, marked *d*.

By this arrangement, and by allowing a slight longitudinal movement to the roller A, it is obvious that the roller A will revolve freely in its bearings, when the spindles *c c* lie in the openings thereof, but by giving said roller a slight longitudinal movement in the proper direction, the angular shoulder *d* is moved into the angular opening *b*, in the bearing or support B', and thus the roller is suddenly locked, and prevented from revolving, until the reverse movement is imparted, by a suitable oblique pull upon the cord R, when the angular part of the spindle is withdrawn from the opening *b*, when the roller revolves freely, as before.

No particular form need be given to the hole *b*, or to the angular part of the spindle, provided they be of such form and proportion that one will not turn in the other.

Instead of the angular hole or spindle above described, a pin, *e*, may project from the end of the metal plate or cap E, so that the aforesaid longitudinal movement of the roller will cause it to rest or strike against the bearing or support B', and produce the same result; or two pins, *h* and *l*, one upon the roller-cap E, and one upon the support B', projecting towards each other, may be used, so arranged that the aforesaid longitudinal movement of the roller will cause them to lock together or unlock; or any other suitable device may be employed, whereby the said roller may be locked or unlocked, by giving it a slight longitudinal movement, in one or the other direction, as above described.

Having described the nature, construction, and operation of my improvement, I will specify what I claim, and desire to secure by Letters Patent.

I claim providing one end of a curtain-roller with an angular spindle, to operate in connection with an angular bearing, or with pins, to operate in connection with stops, upon the support for the roller, so that said roller can be locked or unlocked by a longitudinal movement thereof, substantially as herein described.

BENJ'N HANDFORTH.

Witnesses:

W. E. MARRS,
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