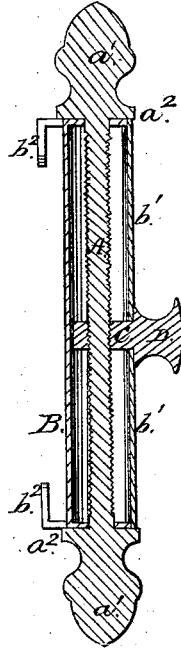


M. Hey,

Curtain Cord Tightener,

Nº 51,045,

Patented Nov. 21, 1865.



Witnesses;
Chas. Morrison
Jas. Wismore

Inventor;
Michael Hey

UNITED STATES PATENT OFFICE.

MICHAEL HEY, OF PHILADELPHIA, PENNSYLVANIA.

CORD-TIGHTENER FOR WINDOW-CURTAINS.

Specification forming part of Letters Patent No. 51,045, dated November 21, 1865.

To all whom it may concern:

Be it known that I, MICHAEL HEY, of the city of Philadelphia, in the State of Pennsylvania, have invented a new and useful Improvement in Cord-Tightners for Window-Curtains; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawing, making a part of this specification, and to the letters of reference marked thereon.

Of all the different cord-tighteners for adjusting the position of a window curtain or shade suspended from a roller, I believe there is not one that is both reliable for the purpose and at the same time capable of being easily operated, not liable to get easily out of order; and the object of my invention is to produce a tightener that will meet the requirements.

The nature of my invention consists, substantially as hereinafter described, in the employment of a screw arranged and secured vertically between two stationary brackets connected together by means of a suitable case or frame, so as to support and at the same time allow the said screw to be easily rotated in either direction, in combination with a traversing block having the usual cord button or pulley rigidly attached thereto.

In the drawing, A is the screw; B, the frame or case; C, the traversing block, and D the cord-button.

Construction: The screw A is about three inches long and three-sixteenths of an inch in diameter, more or less, and has permanently fixed to each of its ends a thumb and finger knob, a' , each provided with a shoulder, a^2 , for keeping it in place between the ends of the case

or frame. The case B is, in this instance, a hollow cylinder which has a longitudinal slot or opening, b' , from end to end, and is provided with two brackets, $b^2 b^2$, by which it can be readily screwed fast to a window-frame in a suitable vertical position. The block C, which traverses the screw A, is made so that it will freely pass up or down within the case or frame B when the said screw A is being rotated accordingly, and is prevented from turning round with the screw by means of the stem of the cord-button D, which connects the block C and button D together, the said stem being made to pass freely up or down in the slot as the block and button are moved by the screw.

Operation: When this device is screwed fast to the window-casing and the tension-cord of the curtain or shade roller applied under the button D, any required degree of tension can be applied to the said cord simply by rotating the screw A, and it is obvious that there cannot occur any variation or slipping of the button, that it will be entirely effective and reliable for the purpose, and not liable to get easily out of order by use.

Having thus fully described my improved cord-tightener, what I claim as new therein of my invention, and desire to secure by Letters Patent, is—

The employment of the screw A, block C, and button D, in combination with a suitable frame or case, B, the same being constructed and arranged to operate together when applied, as and for the purpose described.

MICHAEL HEY.

Witnesses:

BENJ. MORRISON,
JAS. WINSMORE.