

No. 647,604.

Patented Apr. 17, 1900.

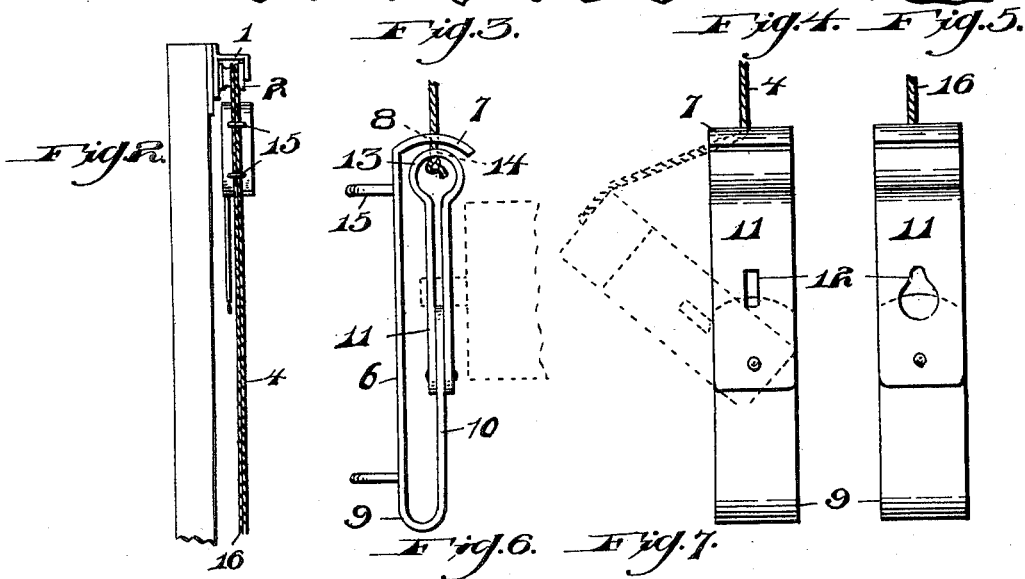
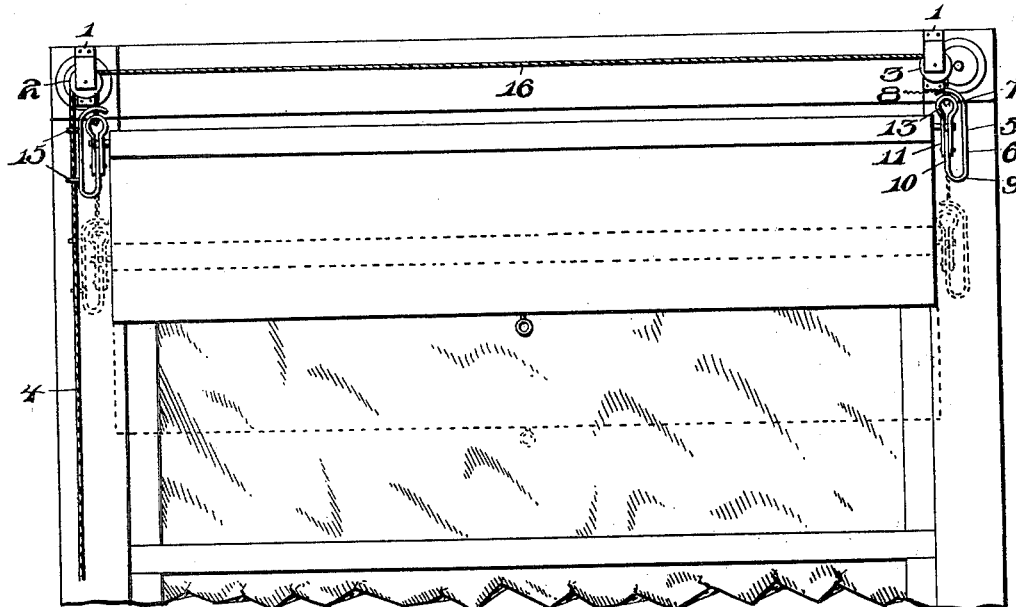
J. M. MAYS.

ADJUSTABLE WINDOW SHADE HOLDER.

(Application filed Oct. 23, 1899.)

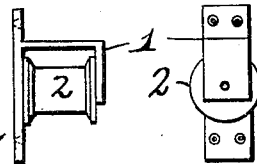
(No Model.)

Fig. 1.



WITNESSES:

J. P. Appleman.
B. M. Haymaker.



INVENTOR

James M. Mays.

BY

H. C. Everett & Co.
ATTORNEYS.

UNITED STATES PATENT OFFICE.

JAMES M. MAYS, OF ALLEGHENY, PENNSYLVANIA.

ADJUSTABLE WINDOW-SHADE HOLDER.

SPECIFICATION forming part of Letters Patent No. 647,604, dated April 17, 1900.

Application filed October 23, 1899. Serial No. 734,525. (No model.)

To all whom it may concern:

Be it known that I, JAMES M. MAYS, a citizen of the United States of America, residing at Allegheny, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Adjustable Window-Shade Holders, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in adjustable shade-rollers, and has for its object the provision of novel means whereby a window-shade may be easily raised and lowered when desired. Furthermore, the invention aims to construct a device of this character that will easily admit the shade-roller to be applied thereto and removed therefrom at any time.

The present invention further contemplates to design a device of this character that may be adjusted to any height desired in order to obtain a free ventilation or an unobstructed light, as the case may be.

The invention has for its still further object to construct a device of the above-described character that may be easily applied and fitted to shade-rollers of various widths. Furthermore, to construct the device in such a manner as to present a neat appearance when placed in position, and contains advantages in points of strength, durability, and cheapness of construction.

With the above and other objects in view the invention finally consists in the novel construction, combination, and arrangement of parts, to be hereinafter more fully described, and specifically pointed out in the claims.

In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification and wherein like numerals of reference indicate corresponding parts throughout the several views, in which—

Figure 1 is a front elevation of the upper portion of a window-frame and sash with my improved adjustable shade-fixture secured thereto and showing in dotted lines the device in a lowered position. Fig. 2 is a side elevation of the same. Fig. 3 is an enlarged front elevation of one of the hangers. Fig. 4 is a side elevation of the same. Fig. 5 is a

similar view of the opposite hanger. Fig. 6 is a side elevation of one of the pulleys. Fig. 7 is a front view thereof.

In the drawings the reference-numeral 1 represents the brackets, which are secured to the window frame in any suitable manner and are preferably fastened by means of screws, said brackets having arranged therein pulleys 2 and 3. These pulleys 2 and 3 are adapted to receive the operating-cords 4 and 16, both of which operate over the pulley 2 and only the latter of which operates over the pulley 3. The operating-cord 4 after being carried over the pulley 2 has its end connected to a hanger 5, consisting of a base-plate 6, having an inwardly-extending bent upper end provided with an aperture 8, with its lower end bent over, as shown at 9, to form an upwardly-extending portion 10. A clamp 11 is pivotally secured to this upwardly-extending portion 10 and is provided with an opening 12 to receive the pintle-pins of the shade-roller, which are secured in position by means of the end of the portion 10. (See dotted lines, Figs. 3, 4, and 5.) In the one clamp this opening will be oblong or rectangular in form and in the other may be substantially circular. The upper end of the clamp 11 is formed into a loop 13, having an aperture 14 for the reception of the cord 4. The hangers are supported one from the cord 4 and the other from the cord 16 and are identical in construction, with the exception that the one supported from the cord 4 is provided on the rear of the plate 6 with eyes 15 to receive both the cords 4 and 16 for guidance in their operation.

The operation is as follows: The pintle-pins of the shade-roller may be placed in their respective openings in the clamps when the latter are in the position shown in dotted lines in Fig. 4 of the drawings, and as the cords are drawn taut the clamps will be moved to the upright or vertical position, so that the shade-roller will be locked therein. The cords 4 and 16 may be fastened in any suitable manner to the window-frame, and it will be observed that these cords being operated simultaneously the hangers, together with the shade-roller, will be elevated or lowered as the cords are drawn or loosened, the guides 15 of the one clamp assisting in the guidance of

the cords in their operation to assure the hangers being elevated or lowered in vertical alinement.

It will be noted that various changes may be made in the details of construction without departing from the general spirit of my invention.

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

1. The hangers 5 each comprising a base-plate, an inwardly-extending bent portion 7, an upwardly-extending portion 10, a clamp adapted to receive said upwardly-extending portion, said clamps being pivotally secured to the portion 10 and provided with openings to receive the ends of the shade-roller, combined with the operating-cords 4 and 16 connected to said hangers, and the pulleys 2 and 3 supported from the window-frame and adapted to receive said operating-cords, substantially as described.

2. In a device of the character described, the combination with a pair of hangers each consisting of a base-plate having an inwardly-bent portion 7 and an upwardly-extending portion 10, with a clamp 11 pivotally secured

to said upwardly-extending portion and provided with an opening to receive the end of a shade-roller, of the operating-cords connected to said hangers and clamps, and means for guiding said cords during their operation, substantially as set forth.

3. The hanger 5 comprising a base-plate, an inwardly-extending bent portion 7, an upwardly-extending portion 10, and a clamp 11 pivotally secured thereto and having openings formed therein for the reception of the shade-roller, substantially as specified.

4. The hanger 5 comprising a base-plate, an inwardly-extending bent portion 7, an upwardly-extending portion 10, a clamp adapted to receive said upwardly-extending portion, the latter being pivotally secured thereto and having openings formed therein to receive the ends of the shade-roller, and means whereby said hanger may be raised or lowered, substantially as set forth.

In testimony whereof I affix my signature in the presence of two witnesses.

JAMES M. MAYS.

Witnesses:

JOHN NOLAND,
E. W. ARTHUR.