

1,025,565.

2 SHEETS-SHEET 1.

Inventor,

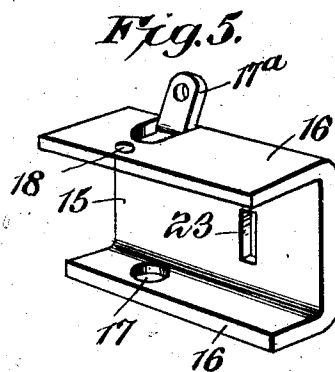
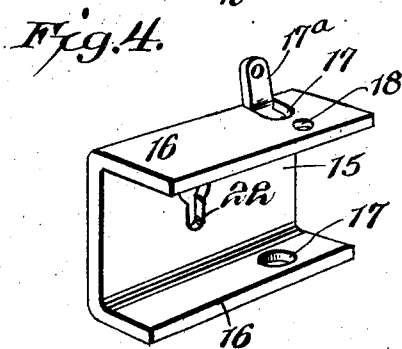
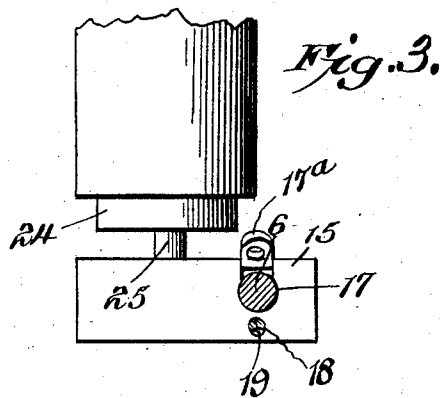
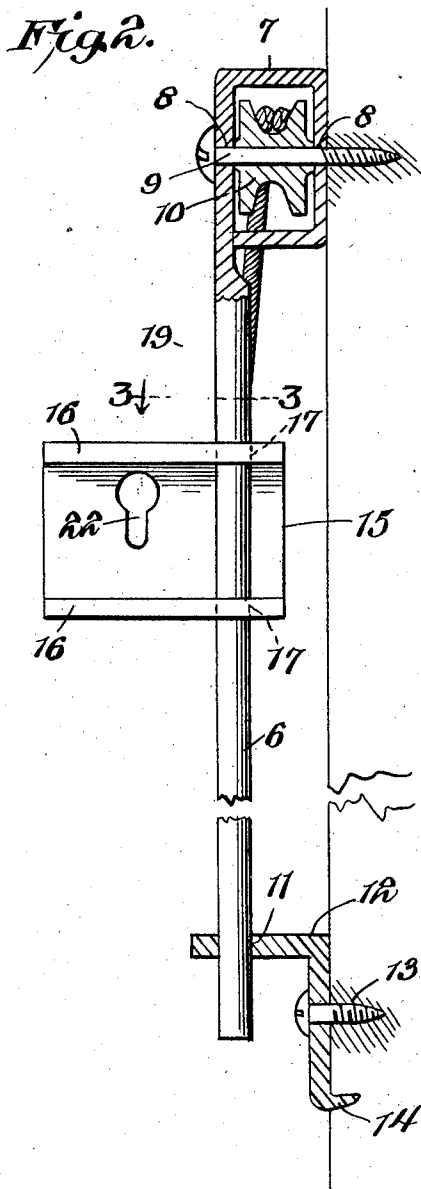
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CURTAIN SHADE ADJUSTING MEANS.
APPLICATION FILED MAY 21, 1908.

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Patented May 7, 1912.

2 SHEETS—SHEET 2.



Witnesses
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UNITED STATES PATENT OFFICE.

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CURTAIN-SHADE-ADJUSTING MEANS.

1,025,565.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, BERTRAM G. FOSTER, a citizen of the United States, residing at Washington, District of Columbia, have invented certain new and useful Improvements in Curtain-Shade-Adjusting Means, of which the following is a specification.

This invention relates to means for adjusting a shade roller toward and from the top of a window in order that light and air may pass thereover while the lower portion of the window can be shaded, and the primary object is to provide a novel and effective structure which can be very cheaply manufactured and consists of few parts that can be easily produced and assembled.

One embodiment of the invention is illustrated in the accompanying drawings, wherein:—

Figure 1 is a view in elevation of a portion of the window, showing the adjusting means applied thereto; Fig. 2 is a detail sectional view on an enlarged scale through one side of the fastener; Fig. 3 is a cross sectional view on the line 3—3 of Fig. 2; and Figs. 4 and 5 are perspective views of the supporting brackets.

In the embodiment of the invention shown, a pair of guide rods 6 are employed that are placed on opposite sides of the window frame. These guide rods are arranged vertically and have their upper end portions flattened and formed into loops 7, which as shown in Fig. 2, are abutted against the window frame and serve as means for spacing the rods from the same, while acting as eyes through which the supporting cords pass as hereinafter explained. The opposite sides of the loops are provided with alined openings 8, and through these openings are passed screws 9 or other suitable fasteners that constitute means for securing the upper ends of the rods to the window frame. The said fasteners 9 also act as journals for pulley wheels 10, located within the loops, as shown. The lower ends of the rods 6 can be held by any suitable means, but preferably they pass through openings 11 in foot-brackets 12, each bracket being secured by a single screw or other fastener 13, and preferably having a spur 14 that prevents the bracket from rotating on its fastener.

Slidably mounted on each rod is a roller supporting bracket 15. Each bracket is preferably formed of a sheet metal plate having its upper and lower margins offset,

as shown at 16, to provide flanges. These flanges have alined openings 17, through which the guide rods pass. The opening in the upper flange is formed by cutting an ear 17^a therefrom, which ear is bent upwardly and rearwardly and provided with a cord-receiving opening. The upper flange of each bracket is furthermore provided with an opening 18 also adapted to receive the lower end of a supporting and adjusting cord. These cords, which are designated 19, pass over the pulley wheels 10, as shown in Fig. 1, and one is secured to the ear 17^a of one bracket, while the other is secured in the opening 18 of the other bracket. They are suitably fastened to a single cord 20 that can be attached to a suitable cleat 21.

One of the brackets 15 has in its body portion a keyhole slot 22, while the other has an angular opening 23. The shade roller, designated 24, may be of any suitable type and has one gudgeon 25 provided with a head 26. This gudgeon is arranged to engage the keyhole slot 22, the head 26 thereof being of sufficient size to pass through the larger portion of the slot, but of too great diameter to pass through the narrower portion thereof. The other gudgeon 27, which is angular as usual in this type, engages in the angular opening 23 and may be held against disengagement of the bracket by any suitable means known to the art.

The method of using the structure, it is thought, will be clear from reference to Fig. 1. The shade roller can be located and secured at any desired height by adjusting the cord 20 and securing it to the cleat 21. The position of the shade roller does not, however, interfere at all with its use, and the curtain can be rolled thereupon or unrolled from it without interference.

It will, of course, be understood that changes in the details of construction may be made within the scope of the appended claims without in any manner departing from the spirit or scope of the invention.

I claim:—

1. In shade adjusting mechanism, guiding means comprising a single rod having its upper end bent into a rearwardly projecting complete convolution that is located on one side of the rod and forming an eye for the passage of a supporting cord, means for securing said rod to a window frame with the rear side of the eye bearing against said frame and constituting means for spac-

ing the rod at its upper end from the window frame, a shade holding bracket slidable on the rod and a cord passing through the eye and connected to the bracket.

5 2. In shade adjusting mechanism, the combination with a guide rod having an integral rearwardly projecting loop at its upper end, of a pulley wheel located in the loop, a journal for the pulley wheel engaged in opposite sides of said loop, and
10 a shade-holding bracket slidable on the rod.

3. In shade adjusting mechanism, the combination with a guide rod having a loop at its upper end, of a fastener for securing
15 the upper end of the rod to a window frame, said fastener passing through opposite sides of the loop, a pulley wheel journaled on the fastener and located in the loop, and a shade-holding bracket mounted on the rod.

20 4. In shade adjusting mechanism, the combination with a guide rod having an integral loop at its upper end that constitutes means for spacing said rod from a window frame and also forms an eye for
25 a supporting cord, of a fastener passing through the loop for securing the same in abutted relation against a window frame with the rod spaced from said frame, a pulley wheel journaled on the fastener within
30 the loop, a bracket slidably mounted on the rod, and a flexible adjusting and supporting cord secured to the bracket and passing over the pulley wheel.

5. In shade adjusting mechanism, the
35 combination with a guide rod having its upper end portion flattened and bent into a loop that constitutes means for spacing said rod from a window frame, of a fastener for securing the rod to the window
40 frame passing through the loop, a pulley wheel journaled on the fastener and located within the loop, a curtain supporting bracket slidably mounted on the rod, a supporting and adjusting cord secured to the
45 bracket and passing over the pulley wheel, and means for fastening the lower end of

the rod against movement to the window frame.

6. In shade adjusting mechanism, the combination with a guide rod, of means for
50 securing it to a window frame, a curtain supporting bracket slidably mounted on the rod and comprising a plate having its upper and lower margins offset and provided with alined openings through which the rod
55 passes, the opening through one of said flanges being formed by cutting an ear from and bending it in angular relation to the flange, and a supporting and adjusting cord secured to said ear, the plate furthermore
60 having an opening to receive the gudgeon of a curtain roller.

7. In shade adjusting mechanism, guiding means comprising a single rod having
65 its upper terminal provided with an opening to receive the fastener, the upper end portion of the rod being coiled into an eye that projects rearwardly beyond the body of the rod and abuts against the window
70 frame to space the upper end of the rod therefrom, means passing through the opening for securing said rod to the window frame, a shade holding bracket slidable on the rod, and a supporting cord passing
75 through the eye and connected to the bracket.

8. In shade adjusting mechanism, the combination with a guide rod, of a curtain
80 supporting bracket slidably mounted thereon and comprising a plate having an opening through which the guide rod extends, and a lip struck from the plate and forming said opening, said lip extending at one side of the rod and constituting means for
85 fastening a cord to the bracket.

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

BERTRAM G. FOSTER.

Witnesses:

U. T. MENGERT,
ELIOT H. THOMSON.