

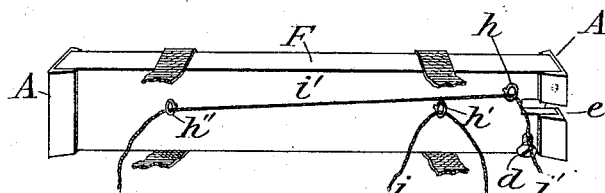
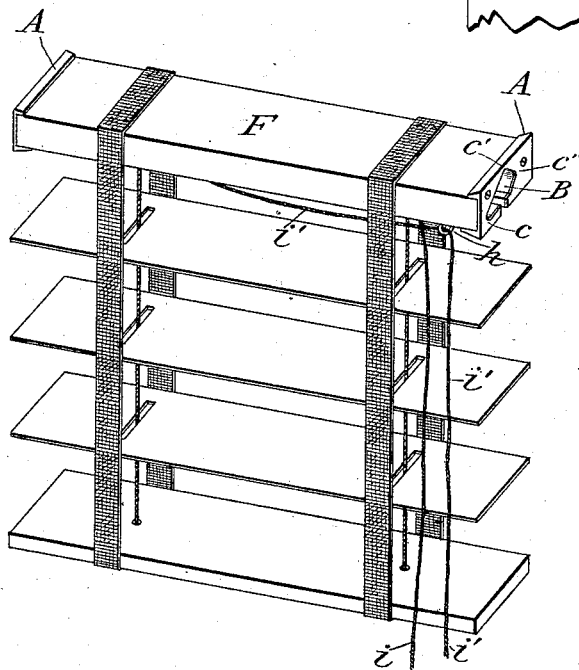
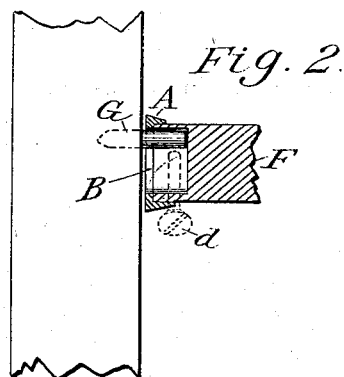
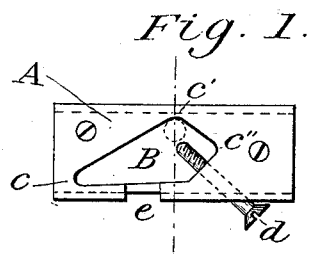
(No Model.)

C. M. YOUNG.

DEVICE FOR HANGING VENETIAN BLINDS.

No. 264,053.

Patented Sept. 5, 1882.



Witnesses:

*W. A. Douglas.*  
*C. M. Young*

*Fig. 4.*

Inventor.

*Charles M. Young*  
*J. A. Lehmann*  
*att'y*

# UNITED STATES PATENT OFFICE.

CHARLES M. YOUNG, OF LOCKPORT, NEW YORK.

## DEVICE FOR HANGING VENETIAN BLINDS.

SPECIFICATION forming part of Letters Patent No. 264,053, dated September 5, 1882.

Application filed December 7, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES M. YOUNG, a citizen of the United States, residing in the city of Lockport, county of Niagara, and State of New York, have invented a new and Improved Mode of Hanging and Operating Venetian Window-Shades and Movable Screens; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and the letters of reference marked thereon, making a part of this specification.

My invention relates to an improvement in Venetian window-shades; and it consists in the combination of the top slat with a suitable metallic hanger which is applied to each end, and which hangers have suitable openings made in them for the supports to pass through, whereby the blind can be held in any of the positions into which it has been adjusted.

It still further consists in the combination of the top rail, suitable hangers applied thereto, having openings for the supports to pass through, and set-screws for limiting the distance the rail shall move, all of which will be more fully described hereinafter.

That my invention may be better understood, I will proceed to describe its construction and operations.

Figure 1 is an end view of the top slat. Fig. 2 is an end view of the same in vertical section. Fig. 3 represents the strong upper slat, F, with the hanger A attached, viewed in perspective. Fig. 4 represents the under surface of the strong upper slat with sides turned vertically, with its eyes or pulleys *h h'* attached, and adjusting-cords *i i'*.

I construct my hanger A, Fig. 1, of any suitable metal, with an inside angular opening, B, with any number of angles and bordered by straight lines, (the triangular form being preferable, and to which form I shall herein confine my references,) with its base or longest side running nearly parallel to the base of the hanger, its lower or acute angle, *c*, near the lower corner of the hanger, as represented in the drawings, its apex or superior angle *c'* being near the upper edge of the hanger and midway between the two ends of the same, its third angle, *c''*, about midway between the top and bottom of the hanger, but which can be practically changed by means of the adjust-

ing-screw *d*. The hanger A has also an outside opening, *e*, extending from near the center of its base to the inside opening, B. I attach my hanger A in duplicate to each end of the strong upper slat, F, Fig. 3, with the lower opening, *e*, downward, by means of screws or other device, making a sufficient opening in the ends of the slat (except I should prefer to extend the hanger a little beyond the end of the slat) as not to interfere with the movements of the hanger upon its supporting-pin, bringing the upper angle, *c'*, nearly in a line with the upper surface of the slat and equidistant from its edges. As the slat F requires a hanger at each end the interior opening, B, of one must be a reverse of the other, and the lower opening, *e*, may be dispensed with in one of the hangers and the shade placed in position with nearly equal facility by first placing the hanger without the opening *e* on the pin or screw G, then bringing the opposite end of the slat with hanger attached toward and a little above the pin or screw G, and placing the hanger on its pin by means of the opening *e*.

I will now briefly explain the manner of operating the shade or screen with my attachments and combinations.

The shade being duly placed in position with slats closed, pin G resting in angle *c*, the operator grasps one or both of the interior supporting-tapes (or tassels attached thereto) of the shade, and by a gentle pull downward the slats open and assume a horizontal position, the pin G taking its position in angle *c'*; then by another downward pull the slats assume an oblique position, upper faces inclining inward, the pin G taking position in angle *c''*. In order to reverse these movements of the slats, the tape or tapes before mentioned must be grasped a little above the middle of the shade and a gentle pull upward given.

The process of raising and lowering the shade or screen is performed by means of two cords, which pass from the lower slat through slots cut through each of the intermediate slats, near each end, upward and to the under surface of the strong upper slat, where they severally pass through an eye or over a pulley, and jointly pass through or over a third eye or pulley, all of which eyes or pulleys are attached to the under surface of the said upper slat, and both cords together then extending

downward within the reach of the operator. The shade is then raised from the bottom to any desired height by pulling upon the two cords, or when raised may be lowered by loosening the hold upon the cords.

The object of my invention is, first, to so simplify the mode of hanging a Venetian shade to a window-casing that all unnecessary screws, screw-eyes, hooks, and pulleys may be avoided, and a simple pin or screw driven in the opposite sides of a window-casing, or in brackets attached thereto, may answer the desired purpose; second, to combine the necessary eyes, hooks, pulleys, and cords entirely to the shade itself—an important effect of which is to enable any person to readily remove the entire shade by lifting the hangers from their supporting-pins.

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

1. In an inside blind, the combination of the top slat, F, with the hangers A, having the angular openings B in them, and the supports G, substantially as shown.

2. In an inside blind, the combination of the top slat, F, the hangers A, having the angular openings through them, the supports G, and set-screws d, substantially as described.

3. The combination, in an inside blind, of the top rail, F, the hangers A, having the openings B e, the set-screw d, and the supports G, substantially as set forth.

CHARLES M. YOUNG.

Witnesses:

CHAS. C. DE LUDE,  
JAMES O. KING.