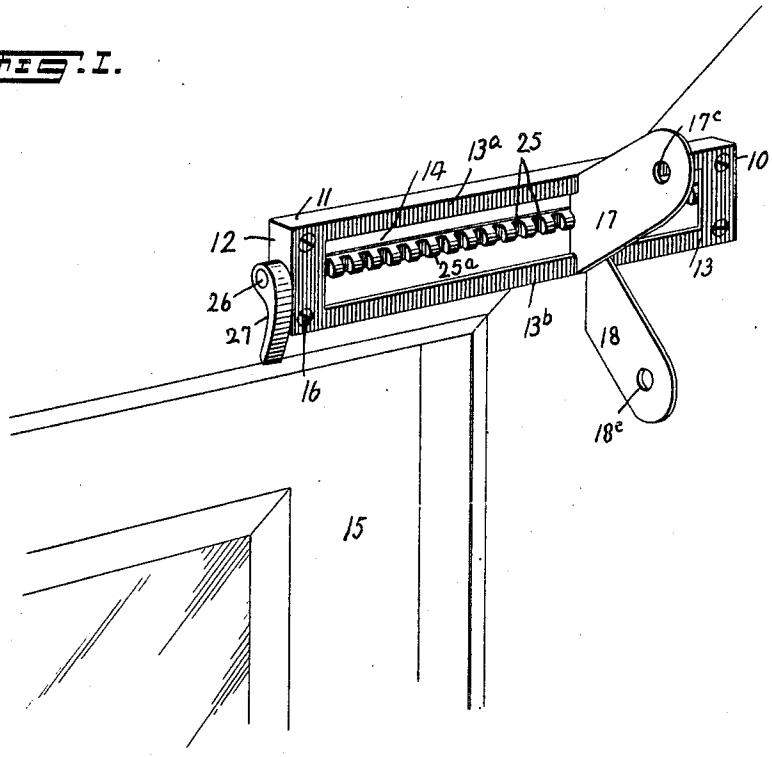
L. G. RIFENBERICK.

WINDOW SHADE BRACKET.

APPLICATION FILED AUG. 2, 1912.

1,067,196. Patented July 8, 1913.

FIG. 1.



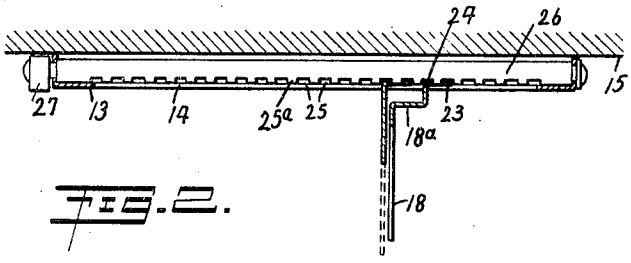


FIG. 2.

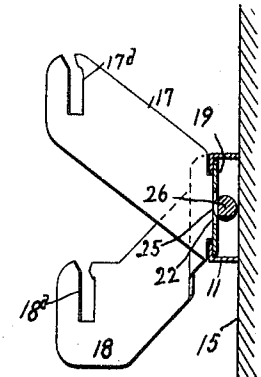


FIG. 3.

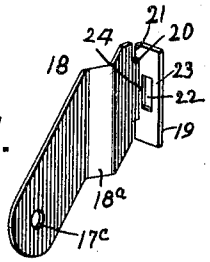


FIG. 4.

WITNESSES

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WINDOW-SHADE BRACKET.

1,067,196. Specification of Letters Patent. **Patented July 8, 1913.**

Application filed August 2, 1912. Serial No. 712,845.

To all whom it may concern:

Be it known that I, LOWRY G. RIFENBERICK, a citizen of the United States, and a resident of Albany, in the county of Albany and State of New York, have invented a new and Improved Window-Shade Bracket, of which the following is a full, clear, and exact description.

My invention relates to window shade brackets having means for adjusting the bracket arms to suit shades of different widths, and thereby avoid the damage to window frames caused by the repeated fastening of brackets at different points on the frame.

An object of my invention is to provide a device of the character indicated, having novel means for adjustably supporting the bracket arms that receive the shade roller, and to provide a bracket of a character to support adjustably a simple construction of bracket arms, a plurality of which may be arranged to hold a plurality of window shades on a single window, as for instance, a dark and a light shade.

In carrying out the objects of my invention I employ a bracket frame preferably constructed of sheet metal and of a form to support the front of the frame spaced from the face of the window frame. Individual bracket frames are provided for each side of the window. A bracket arm is provided for each frame, preferably two in fact, each bracket arm being formed with a laterally disposed foot of a character to be received behind the front portion of the bracket frame or base, a locking bar being provided longitudinally of the frame and having teeth and intermediate spaces at one side, so that upon rocking the rod to one position, the bracket arm or bracket arms may be moved longitudinally of the bracket frame or base, and upon rocking the rod in the opposite direction, the rod serves to engage the foot of the bracket arm, for holding said arm in an adjusted position.

The invention will be more particularly explained in the specific description hereinafter to be given.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of a window shade bracket embodying my invention and indicating a portion of the window frame and a window; Fig. 2 is a sectional plan view with parts broken away; Fig. 3 is a cross sectional view; and Fig. 4 is a perspective view of one of the bracket arms.

In carrying out my invention, the bracket frame or base 10 is preferably formed of sheet metal, with rearward flanges at the top and bottom, and at the ends, as at 11, 12, the front face 13 of the said frame being thus spaced forwardly from the back so as to be supported a distance from the face of the window frame 15, to which the device may be secured as by screws 16, or equivalent fastening devices. The face 13 has an opening 14 ranging lengthwise thereof, and said opening is adapted to receive the inner end of a bracket arm or bracket arms, two of which arms 17, 18, are shown in the present instance.

A bracket frame with its complement of appurtenances is provided for each end of the window; in the illustration the bracket is indicated at the right of the window, but it will be understood that a similar device is provided at the left of the window. The arm 17, with its companion at the opposite side of the window frame is adapted to receive one shade roller, and the arm 18 and its companion at the opposite side are adapted to receive another shade, as for instance, a dark and light shade respectively. Each arm is provided with bearings 17^c, 18^c, as usual, for receiving the end of a shade roller, and in my invention I form on each arm a lateral foot 19, which is of a height to be received within the base or bracket frame 10, behind the face 13 thereof, said foot being united to the body of the bracket arm by a neck 20, of less height than the body of the bracket and less height than the said foot 19, whereby notches 21 are produced at the top and bottom of the bracket arm adjacent to the said foot 19. An opening 22 is provided in the foot 19, thereby producing portions 23, 24, at the sides of the said opening, which side portions are of a width to be received in two adjacent spaces 25, formed in a bar 26 which is journaled to rock in the ends 12 of the base or bracket frame 10. Between each pair of spaces or recesses 25 a tooth or rib 25^a projects from the rod 26 and is adapted to be received in the opening 22. It will thus be seen that the rod 26 may be rocked as by a suitable handle 27, to disengage said

bar from the foot 19 of the bracket arm, whereupon the said arm may be moved longitudinally along the bracket frame or base 10, being guided by the upper and lower longitudinal members 13[a], 13[b] of the face 13 at the opening 14, said upper and lower members being received in the slots or notches 21 formed at the base of the bracket arm. When the bracket arm has been moved to the desired position, the rod 26 may be again rocked to cause a tooth or projection 25[a] to enter in the opening 22, the mentioned side members 23, 24, being received in the spaces 25 adjacent to the said tooth.

In order that the two bracket arms of my invention, when provided with two shade rollers, may lie close together, one of said arms is offset laterally, as at 18[a], thereby bringing its outer bracket arm 18 close against the adjacent arm 17. It will be observed that the arms 17, 18, incline respectively in an upward and downward direction to so dispose said arms at their outer ends as to receive the rollers of the respective shades without interference one with the other. In Fig. 1, the arms 17, 18 are shown formed with round holes 17[c], 18[c], for receiving the round journals at one end of the shade rollers (not shown), and in Fig. 3 the said arms are shown with slots 17[d], 18[d], to receive the flat members at the opposite ends of the shade rollers.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

1. A shade-supporting means, comprising a bracket-frame or base securable to a window frame, a shade-holder bracket-arm having guided movement on said frame, longitudinally of the latter, and a locking bar mounted in said frame, at the back thereof, for rocking movement on its longitudinal axis, the said rocking bar and shade-bracket having co-acting members interlocking and disengaging by the mentioned rocking of the locking bar.

2. A shade bracket, comprising a bracket frame or base securable to the window frame, and having upper and lower longitudinal guide members, a bracket arm provided with a foot having guided engagement with said upper and lower members for longitudinal movement along the bracket frame of the base, and a locking bar rockable on its longitudinal axis into and out of engagement with the said foot of the bracket arm.

3. The herein described shade bracket comprising a base having a longitudinal opening in the front thereof and upper and lower longitudinal members at said opening, a bracket arm adapted to support the end of a window shade, said arm being provided with a laterally extending foot within the frame, the said foot being united to the body of the arm by a neck of less height than the foot and arm, there being notches at the base of the arm adjacent to the said foot to receive the longitudinal members on the bracket frame or base, the said foot being furthermore formed with an opening and with members on each side of said opening, and a rod rockable in said bracket frame or base and extending longitudinally thereof, said rod having at one side thereof teeth and intermediate spaces, a tooth of the rod being adapted to rock into the opening of the foot on the bracket arm and the members of the foot at each side of said opening being received in the recesses adjacent to said teeth, the said bracket arm being movable longitudinally of the frame when the rocking bar is disengaged from the said foot.

4. A shade bracket comprising a base, a rocking bar carried by said base in the rear of the front thereof, and a pair of separate bracket arms each having a lateral foot movable on the base between the front thereof and the said rocking bar, one of said arms being bodily offset laterally outside the front of the base adjacent to the lateral foot in the direction toward the other arm, and said arms inclining respectively upward and downward having means in their outer ends for receiving shade rollers.

5. A shade-supporting means comprising a base frame securable to a window, a shade-bracket having longitudinally-sliding movement on the base frame and formed with an opening, and a locking bar formed with teeth and inter-dental spaces, said bar being rockable on its longitudinal axis to enter a tooth thereof in the opening of the shade bracket, or to withdraw an entered tooth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

LOWRY G. RIFENBERICK.

Witnesses:
BENJAMIN STRONG,
HENRY A. ALLEN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents Washington, D. C."