

No. 689,282.

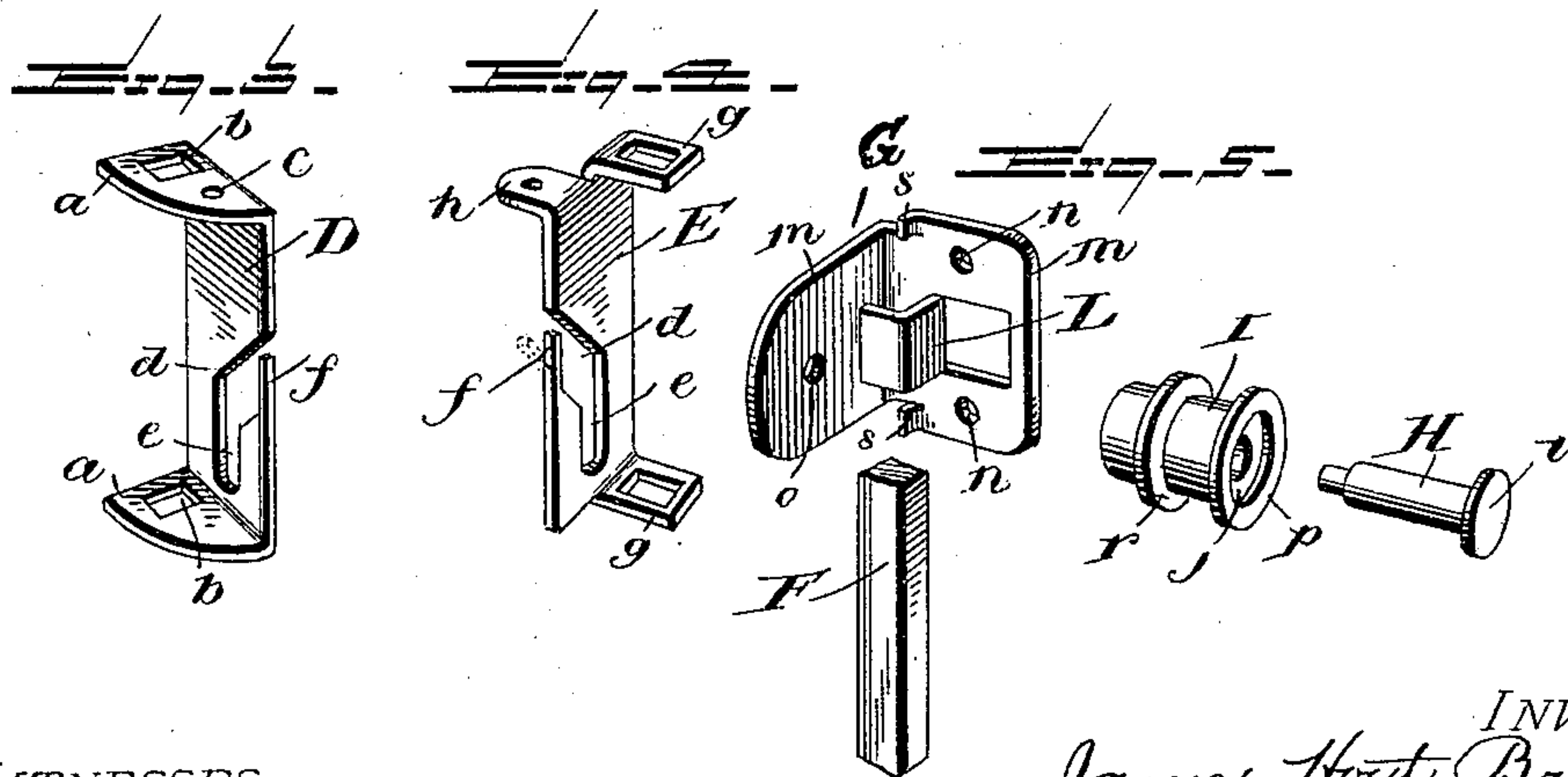
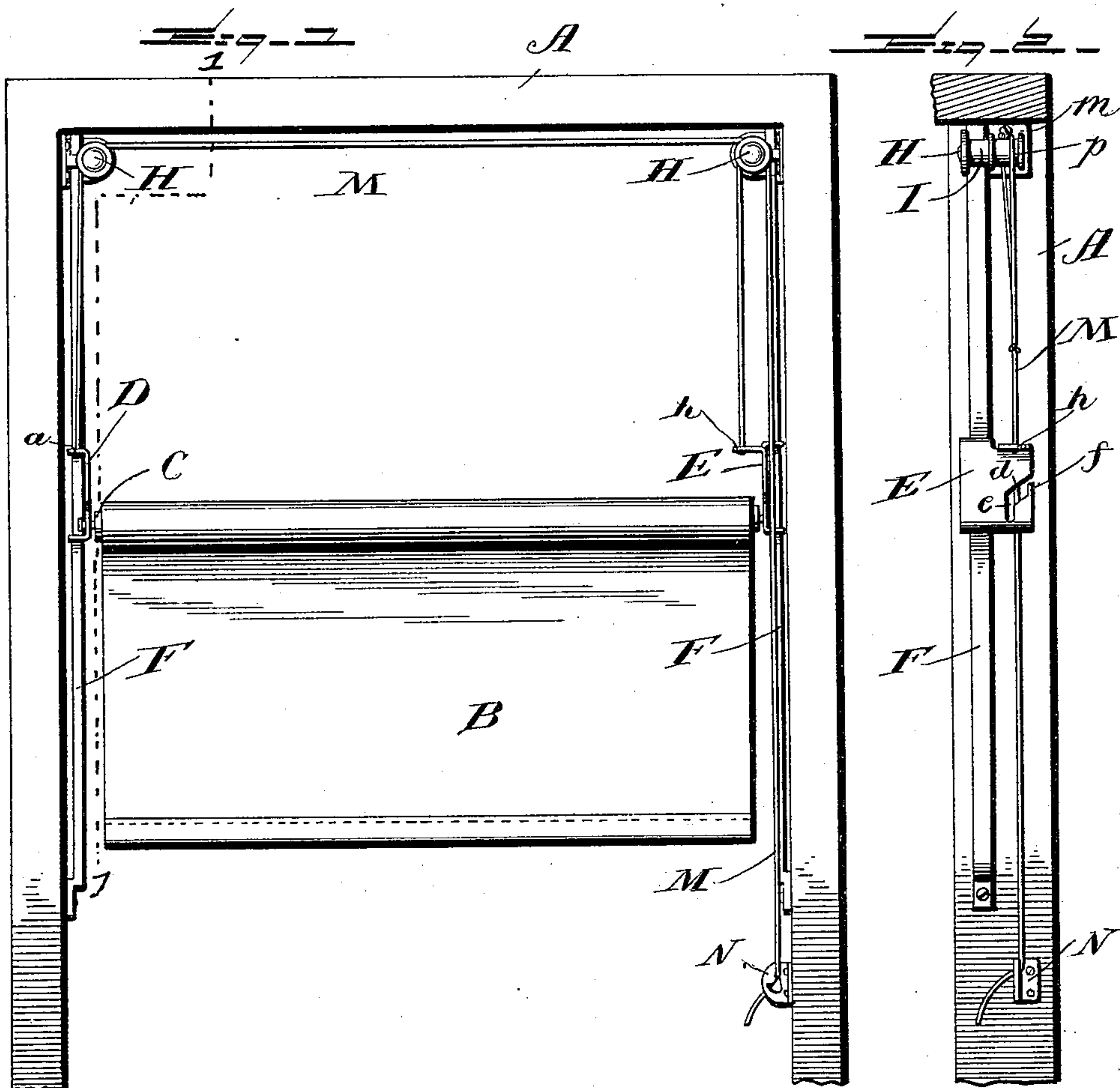
Patented Dec. 17, 1901.

J. H. BROWN.

ADJUSTING DEVICE FOR WINDOW SHADES.

(Application filed Apr. 11, 1901.)

(No Model.)



WITNESSES:

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UNITED STATES PATENT OFFICE.

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ADJUSTING DEVICE FOR WINDOW-SHADES.

SPECIFICATION forming part of Letters Patent No. 689,282, dated December 17, 1901.

Application filed April 11, 1901. Serial No. 55,350. (No model.)

To all whom it may concern:

Be it known that I, JAMES H. BROWN, a citizen of the United States, residing at Denver, in the county of Arapahoe and State of Colorado, have invented certain new and useful Improvements in Adjusting Devices for Window-Shades; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates generally to fixtures for window-shades, and particularly to devices for hanging shades between the sides of the window-frame so that they may be instantly adjusted bodily to any desired height without removing the shade or any of the fixtures therefor from the frame; and it has for its object to provide a simple, durable, and comparatively inexpensive device to permit of the ready adjustment of the shade to uncover either or any part of the upper or lower sash for the purpose of regulating the admission of light and for ventilation; and it consists of the parts and combinations of parts hereinafter described and claimed.

In the accompanying drawings, forming a part of this specification, Figure 1 is a front elevation of a part of a window-frame with my improved shade-hanging device in position. Fig. 2 is vertical section on the line 1-1, Fig. 1, with the shade removed. Fig. 3 is a detail perspective view of one of the sliding brackets; Fig. 4, a similar view of the opposite sliding bracket; and Fig. 5, a detail perspective view of the device for supporting the pulleys and one end of the guide-rods, a pulley, a journal, and a portion of a rod.

Similar letters refer to similar parts throughout all the views.

In the drawings, A represents a window casing or frame, and B a shade or curtain secured to a roller C, provided with the usual spring for operating the same.

The sliding brackets D and E are stamped or otherwise formed from a single sheet of metal, the bracket D for use at the left-hand side of the window-frame having its ends bent at right angles, as at *a*, Fig. 3, and formed with the square openings *b* for one of the rods

F and an opening *c* for the attachment of the operating-cord. At one edge of each of the brackets an inclined slot *d* is formed, which terminates in a vertical slot *e*, having a round bottom for the reception of one of the journals of the shade-roller. At the mouth of the slot *d* is formed a lip *f*, which extends upwardly and nearly closes said mouth and is adapted to be bent outwardly, as shown by dotted lines, Fig. 4, in order to uncover the mouth to insert the journal and to be then bent back into position to close the mouth of the slot, and thus prevent the journal of the roller being jumped or jerked out of said slot in operating the shade.

The sliding bracket E for the right-hand side of the frame, Fig. 4, is formed with the ears *g* at each end, having the square openings therein for the rod, and with the perforated lug *h*, projecting at right angles and in the opposite direction to the ears *g*, by which one of the operating-cords is connected to the bracket. The bracket E is formed with an inclined slot *d*, a vertical slot *e*, and a lip *f*, similar to bracket D and for a like purpose, and the perforated lug thereof projects in the opposite direction from the ears *g* in order to bring the point of attachment for the cord in line with the pulley over which the cord passes, and thereby bring a direct strain on the bracket, and thus insure its easy operation on the rod.

The rods F are preferably square in cross-section and are bent at one end to form a foot for attachment to the window-frame and also to cause the rod to stand sufficiently away from the frame to permit of the brackets working thereon without interfering with said frame. A bracket G of peculiar construction is provided for supporting the upper ends of the rods in their proper positions and to carry the pulleys over which the cord passes to operate the brackets.

Referring particularly to Fig. 5, it will be seen that the bracket G is made from a single blank bent at right angles to form the leaves *m*, one of which is perforated at *n* for the screws or tacks by which it is secured to the frame and the other at *o* to receive the end of the stud H, on which the pulley I is jour-

naled. The point of the stud is spread after being inserted in the perforation in order to rivet it in place, and on the opposite end a head *i* is formed which fits in a recess *j* in the end of the pulley, so as to allow the pulley to turn freely on said stud and yet prevent it working off the stud. The pulleys are each formed with a flange *p* and a collar *r* to prevent the cords running off the same. At the center of the leaf *m* a strip *L* is struck out and bent at right angles and then turned or bent toward the other leaf to form a square opening to receive the end of the rod *F*, and two small projections or lugs *s* are also struck out of said leaf at the bend therein against which the rod bears in order to hold the rod out from the bracket. One of the cords *M* is passed over both pulleys *I* and has its end secured to one of the sliding brackets, and the other cord passes over but one pulley and has its end secured to the other bracket, and the two cords are secured together, so that but one of them extends down within reach of the operator, and its end is removably secured to a suitable bracket *N*, fastened to the frame.

Having thus described my invention, what

I claim as new, and desire to secure by Letters Patent, is—

1. A fixed bracket for window-shade fixtures consisting of a right-angled plate, a strip bent to form, with said plate, a square opening, and projections or lugs extending from said plate above and below the said strip.

2. The combination, in a window-shade fixture, of a right-angled plate, having a square opening within the angle, projecting lugs above and below said opening, a stud secured to said plate, a pulley mounted on said stud, a square rod adapted to enter the square opening.

3. A bracket for window-shade rollers consisting of a plate having the right-angled perforated ears projecting from one side of said plate, the perforated lug projecting from the opposite side of said plate, a slot for the roller-journals, and a bendable lip normally closing the entrance to or mouth of said slot.

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

JAMES H. BROWN.

Witnesses:

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