(No Model.)

J. F. MILLER.

WINDOW SHADE BRACKET.

No. 301,622. Patented July 8, 1884.

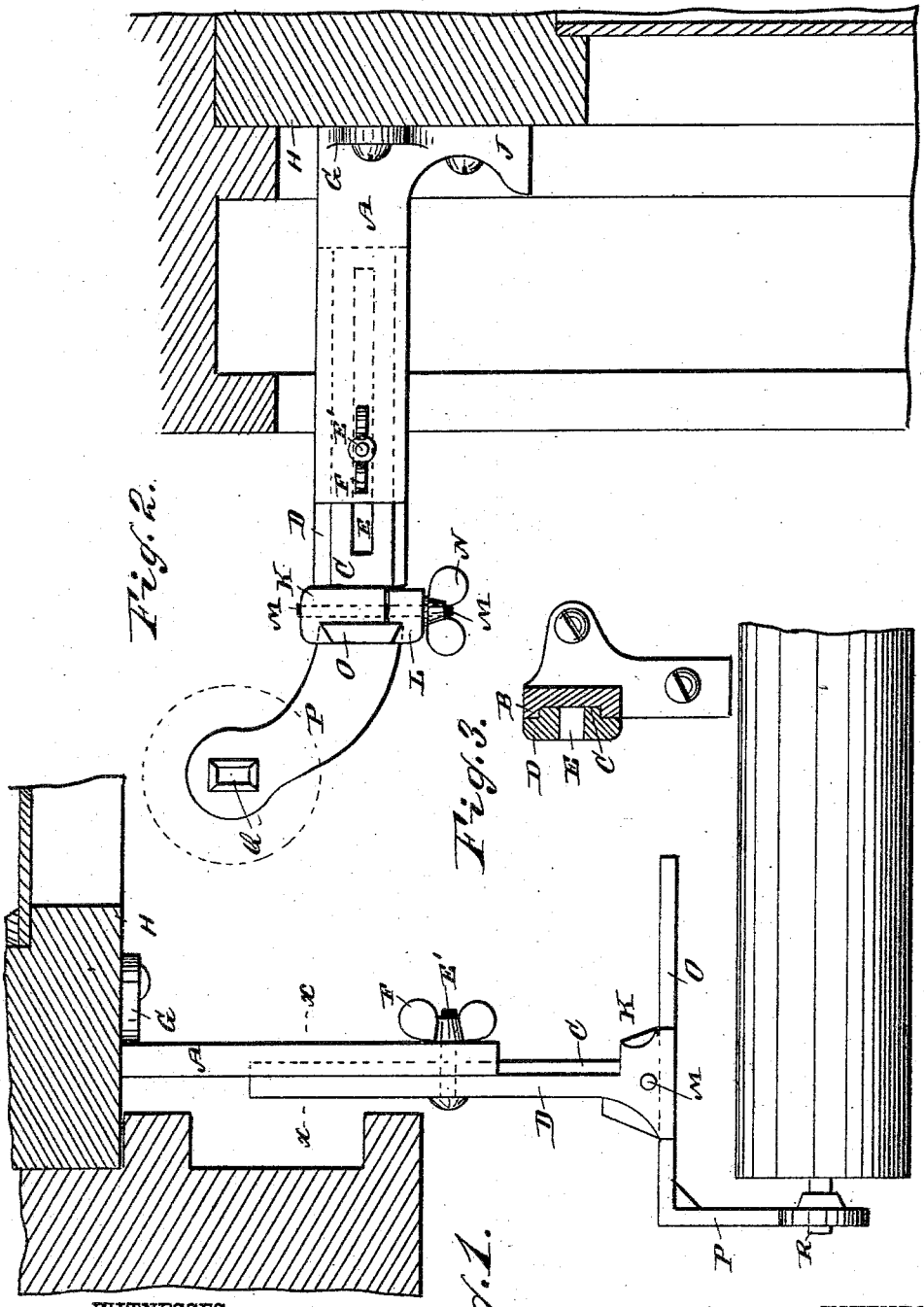

Fig. 2.

Fig. 3.

Fig. 1.

WITNESSES:

Rec'd. Koster.

C. Sedgwick

INVENTOR:

J. F. Miller

BY Munn & Co.

ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOHN F. MILLER, OF NEWTON, KANSAS.

WINDOW-SHADE BRACKET.

SPECIFICATION forming part of Letters Patent No. 301,622, dated July 8, 1884.

Application filed May 5, 1884. (No model.)

To all whom it may concern:

Be it known that I, JOHN F. MILLER, of Newton, in the county of Harvey and State of Kansas, have invented a new and Improved Window-Shade Bracket, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved window-shade bracket, which can be adjusted to windows of different depths of jamb, and can also be adjusted according to the length of the roller.

The invention consists in the combination, with a bracket-arm, of a slide held on the same, and of another slide held on the outer end of the first slide, at right angles to the same, which transverse slide is provided with an arm for holding one end of the roller.

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

Figure 1 is a plan view of my improved window-shade bracket. Fig. 2 is a side view of the same. Fig. 3 is a cross-sectional elevation of the same on the line *x x*, Fig. 1.

A bracket-arm, A, is provided in one side with a longitudinal groove, B, in which a tongue, C, slides, which is formed on an extension-piece, D, provided with a longitudinal slot, E, through which a screw, E′, passes, which also passes through an aperture in the arm A, on which a winged nut, F, is screwed. The arm A is provided at its inner end with a plate, G, for securing it on the upper part of the side rail, H, of the upper sash, which plate is provided at its lower end with a projection, J, adapted to strike on the top rail of the bottom sash, so as to protect the latter from injury.

On the outer end of the extension-piece D, a head, K, having a dovetail groove in its outer surface, is formed, which head is provided with a clamping-piece, L, held by a screw, M, on the lower end of which a winged nut, N, is screwed. A dovetailed bar, O, is held to slide on the head K, from one end of which bar O an arm, P, projects upward, which arm is provided with a square or circular aperture, Q, for receiving the square or round pins R on the ends of the roller.

The bracket is adjusted in the following manner: The nuts F are loosened, the slide D is drawn outward more or less, according to the depth of the jamb, until the roller S is held the desired distance from the casing. The screws N are loosened, and the slides O are moved laterally more or less until the roller fits in between them, and the slides O are locked in place by means of the nuts N, and the slides D are locked in place by means of the nuts E. The bracket can thus be used for jambs of any depth and for rollers of any length—that is, any roller can be used on any window, the roller projecting more or less over the side of the window-casing.

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

1. In a window-shade bracket, the combination, with a bracket-arm, of a slide held on the same, and another slide held on the outer end of the first slide at right angles to the same, substantially as herein shown and described.

2. In a window-shade bracket, the combination, with the bracket-arm A, of the slide D on the same, having a head, K, the slide O, held in the head K, and the arm P on the end of the slide, substantially as herein shown and described.

3. In a window-shade bracket, the combination, with the bracket A, of the slide D, having a longitudinal slot, E, the screw E′, the winged nut F, the slide O, held on the end of the slide D, the screw M, the nut N, and the arm P on the slide O, substantially as herein shown and described.

4. In a window-shade bracket, the combination, with the arm A, having a longitudinal groove, of the slide D, having a tongue, C, and a slot, E, the screw E′, the nut F, the slide O in the end of the slide D, the screw M, the nut N, and the arm P, substantially as herein shown and described.

5. In a window-shade bracket, the arm A, having an end plate, G, provided with a projection, J, at the bottom, substantially as herein shown and described.

JOHN F. MILLER.

Witnesses:
J. H. FRAZIER,
CLARENCE SPOONER.