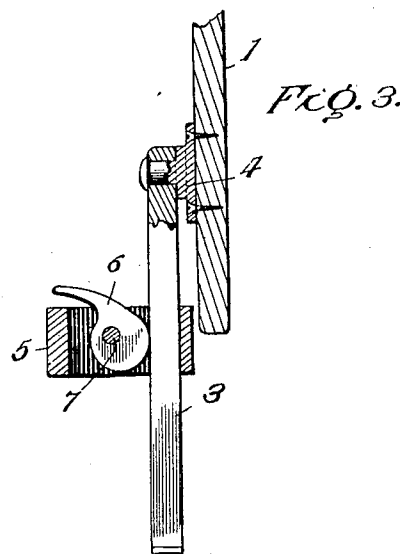
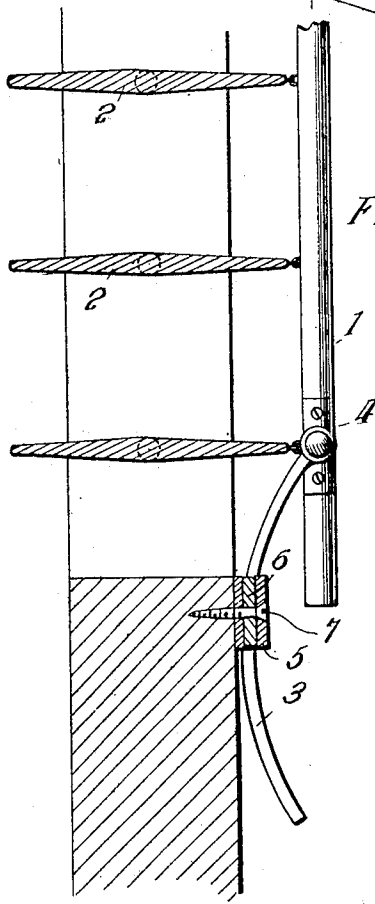
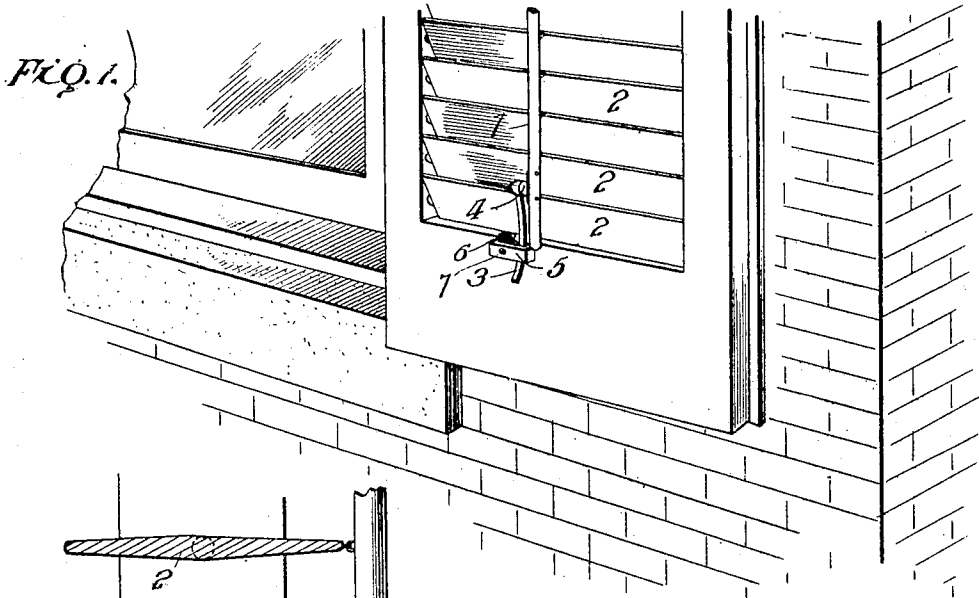


No. 869,473.

PATENTED OCT. 29, 1907.

B. ALBERTSON.
SLAT OPERATING MECHANISM.
APPLICATION FILED JULY 7, 1906.



Witnesses

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UNITED STATES PATENT OFFICE.

BENJAMIN ALBERTSON, OF MANTOLOKING, NEW JERSEY.

SLAT-OPERATING MECHANISM.

No. 869,473.

Specification of Letters Patent.

Patented Oct. 29, 1907.

Application filed July 7, 1906. Serial No. 325,173.

To all whom it may concern:

Be it known that I, BENJAMIN ALBERTSON, a citizen of the United States, residing at Mantoloking, in the county of Ocean and State of New Jersey, have invented certain new and useful Improvements in Slat-Operating Mechanism, of which the following is a specification.

This invention appertains to window blinds, shutters or like guards for openings in buildings and like structures and which blinds, shutters or the like are provided with pivoted slats connected to an operating rod or bar, whereby the inclination or relative position of the slats may be changed to secure light and ventilation without necessitating the opening of the shutter, blind or like part. Difficulty has been experienced in securing the slats in the adjusted position against air currents and jar.

This invention has for its object to devise novel means for securing the pivoted slats, either when closed, or when moved to the desired angular position, so as to prevent displacement from usual causes, such as air currents and rattling of the shutter.

The invention contemplates in combination with the slat operating rod novel securing means for holding the rod in the desired position, said securing means embodying a cam lever, a keeper and a finger piece pivoted to the slat operating rod and passing loosely through the keeper and adapted to be confined therein at an adjusted position by means of the said cam lever.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result, reference is to be had to the following description and accompanying drawings.

While the invention may be adapted to different forms and conditions by changes in the structure and minor details without departing from the spirit or essential features thereof, still the preferred embodiment is shown in the accompanying drawings, in which:

Figure 1 is a perspective view of a portion of a building, a window and a shutter showing the application of the invention. Fig. 2 is a detail view of a portion of a shutter showing the invention applied to the slat operating rod thereof, the parts being partly broken away and an adjusted position thereof being indicated by dotted lines. Fig. 3 is a front view of a portion of the slat operating rod, the keeper and adjunctive parts, the keeper and stud being in section.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The slat operating rod 1 is connected to the pivoted slats 2 in the usual way. A finger piece 3 is connected to the rod 1 and is of such construction as to admit of the accustomed movements of the rod to effect desired adjustment of the slats both when closing and opening the same to the required position. The finger piece 3 is preferably pivotally connected to the rod 1, the joint being effected in any convenient and desirable way to obviate binding and prevent interference with the free operation of the slats and rod 1. As shown, a stud 4 is secured to the rod 1 and the finger piece 3 is pivoted upon an extension thereof. The finger piece is longitudinally curved and is arranged with the convex side facing the blind or shutter so as to allow for free movement of the rod 1 and without interference of the finger piece with the cross piece of the shutter or blind.

A keeper 5 is attached to the shutter and receives the finger piece 3 and cam lever 6, the latter being located in an end portion of the keeper opposite to that receiving the finger piece. The keeper 5 may be of any formation and attached to the shutter or blind by suitable fastening means which in the present instance consists of a screw 7 passed through an opening of the keeper and an opening of the cam lever, thereby performing the double function of a pivot fastening for the cam lever and fastening means for the keeper. The keeper is located in such a position as to admit of the finger piece being of a minimum length. The longitudinal curvature of the finger piece provides for the curved movement imparted thereto in the operation of the rod 1 without interference of the shutter or blind with the finger piece which would be the case if said finger piece were set. The keeper is located to one side of the plane of movement of the rod 1 as indicated most clearly in Fig. 3 so as to be out of the way and not interfere with the movements of said rod when operating the slats either to close or open the same. When the slats are closed they may be secured by fastening the finger piece through the instrumentality of the cam lever 6. When it is required to open the slats more or less, either for purposes of ventilation or like, the finger piece 3 is released by moving the cam lever so as to loosen its grip upon the finger piece, and after the slats have been moved to the required adjusted position, they are made fast by turning the cam lever to cause it to clamp the finger piece. From the foregoing it will be understood that the invention provides simple and effective means for securing the pivoted slats of a blind or like closure, either when closed or opened to any angular position, thereby preventing movement of the slats by air currents or jar and ob-

viating rattle or noise incident to the slats when loose and obviating the annoyance caused by frequent adjustment of the slats when opened and subject to the action of air currents which move the slats by impact thereon.

Having thus described the invention, what is claimed as new is:

1. In a shutter or like closure provided with movable slats, the combination of a slat operating rod, a finger-piece loosely connected with the slat operating rod, a keeper mounted upon the frame of the shutter and provided with a laterally elongated opening one end of which receives the before mentioned finger-piece, a cam lever located within the opposite end of the laterally elongated opening through the keeper and engaging the finger-piece to lock the same in an adjusted position, and a fastening member serving the double function of forming a pivot for

the cam lever and securing the keeper to the frame of the shutter.

2. In a slat operating mechanism, the combination of a stud secured to the slat operating rod, a longitudinally curved finger-piece mounted upon an extension of said rod and curved throughout its length with its convex side facing the shutter or like part, a keeper having an opening through which said finger-piece is freely movable, a cam lever located within the opening of said keeper and adapted to secure the finger-piece in an adjusted position, and a fastening member serving the double function of forming a pivot for the cam lever and securing the keeper to the frame of the shutter.

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

BENJAMIN ALBERTSON. [L. S.]

Witnesses:

J. D. YOAKLEY,
V. B. HILLYARD.