F. E. HUMPHREY & F. H. PATRICK.

SHUTTER BOWER.

APPLICATION FILED NOV. 29, 1909.

956,766.

Patented May 3, 1910.

Fig. 1.

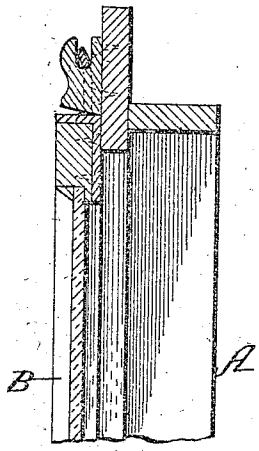
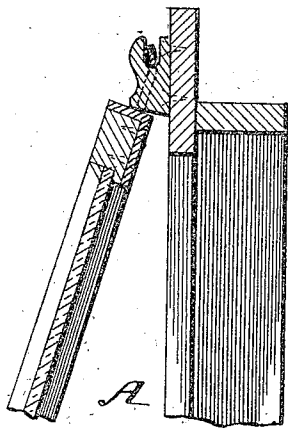
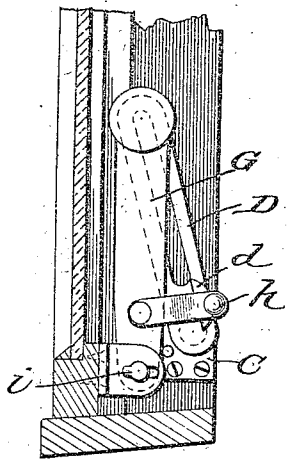


Fig. 2.





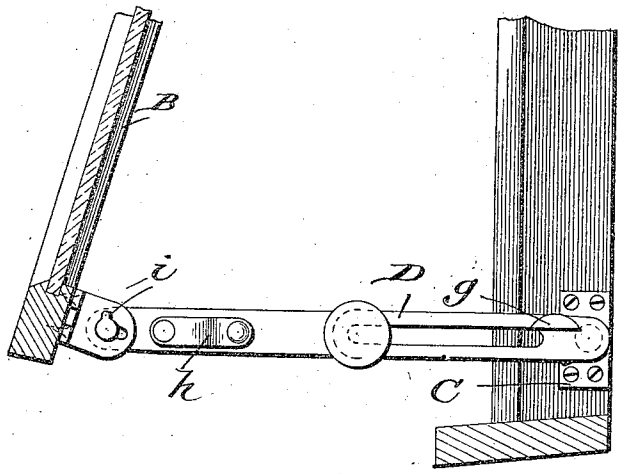
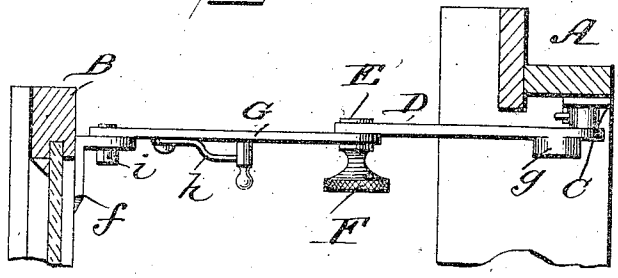


Fig. 3.



Witnesses

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FRANK E. HUMPHREY AND FRANK H. PATRICK, OF ST. JOHNSBURY, VERMONT.

SHUTTER-BOWER.

956,766. Specification of Letters Patent. Patented May 3, 1910.

Application filed November 29, 1909. Serial No. 530,424.

To all whom it may concern:

Be it known that we, FRANK E. HUMPHREY and FRANK H. PATRICK, citizens of the United States, residing at St. Johnsbury, in the county of Caledonia, State of Vermont, have invented certain new and useful Improvements in Shutter-Bowers, of which the following is a description, reference being had to the accompanying drawing and to the letters of reference marked thereon.

Our invention relates to improvements in swinging outside windows, operating the same, and locking them in their closed position.

The invention consists in the various matters hereinafter described and referred to in the appended claim.

In the drawings; Figure 1 is a sectional side elevation showing the swinging window closed and locked. Fig. 2 is a similar view, certain parts being broken away showing the window in an open position. Fig. 3 is a plan view of Fig. 2, partly in section.

In these drawings, A represents the window casing which may be of any usual or well known construction, and B is a swinging outside casement window. Screwed to each side of the window casing at the lower part, are brackets C in which are pivoted one end of slotted bars D, through the slots in which pass headed screw threaded bolts E adapted to receive on the threaded end, the thumb nuts F. These threaded bolts E also pass through an opening in the end of the bar G, having pivotal connection at the opposite end with the angle pieces *f*, secured to the window frame.

The two bars D, and G, form a sort of adjustable toggle lever adjustment, and by sliding the pivot bolt E in the slot of the bar D, and tightening up the hand nut F, the window can be held to any position to which it may be adjusted.

As a means for locking the window in closed position, a curved lateral shoulder *g* is provided on the slotted bar D, and pivoted to the bar G is a catch *h* which can be swung around over the shoulder *g*, and thus lock the window in closed position, as shown clearly in Fig. 1.

The angle piece *f* has its pivotal opening for the bar G formed with a transverse slot and the pivot *i* has a key projection adapted to fit into said slot for the insertion and removal of the bar G as shown in Fig. 2.

Having thus particularly described our invention, what we claim as new and desire to secure by Letters Patent is:

The combination with a window casing and a swinging window, a slotted bar pivoted at one end to the window casing, a second bar pivoted to the window and having an adjustable sliding and pivotal connection with the slotted bar, a lateral shoulder on the slotted bar adjacent the pivot point thereof, and a pivoted catch on the second bar adapted to engage with the shoulder when the window is in closed position.

In testimony whereof we affix our signatures, in presence of two witnesses.

FRANK E. HUMPHREY.
FRANK H. PATRICK.

Witnesses:
WALTER P. SMITH,
JAMES B. CAMPBELL.