

(No Model.)

T. GASKINS.
WINDOW SHUTTER.

No. 506,393.

Patented Oct. 10, 1893.

Fig. 1.

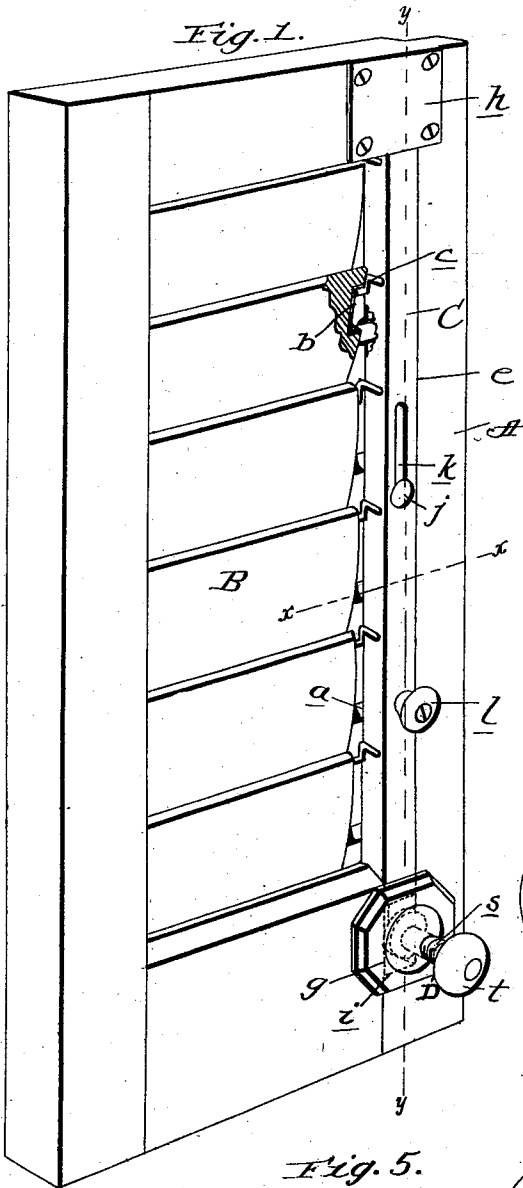


Fig. 2.

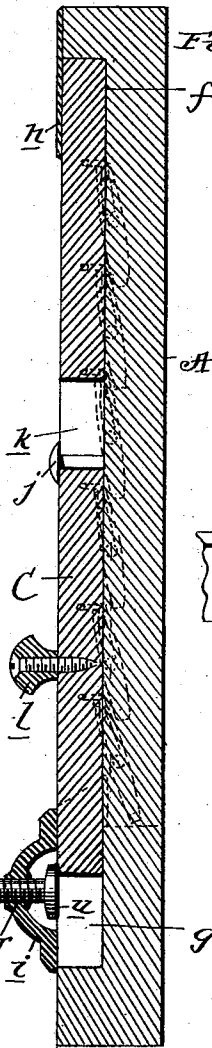


Fig. 3.

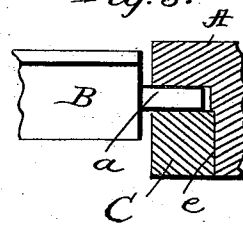
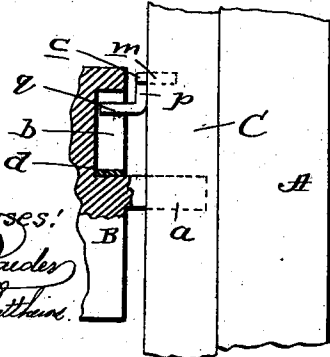
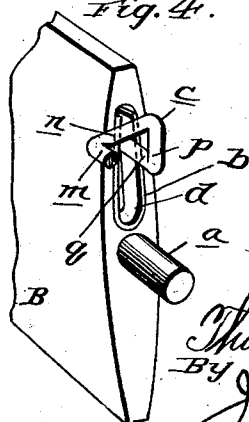


Fig. 5.



Witnesses:
[Signature]
W. P. Matthews.

Fig. 4.



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UNITED STATES PATENT OFFICE.

THOMAS GASKINS, OF ARCADIA, FLORIDA.

WINDOW-SHUTTER.

SPECIFICATION forming part of Letters Patent No. 506,393, dated October 10, 1893.

Application filed August 16, 1893. Serial No. 483,245. (No model.)

To all whom it may concern:

Be it known that I, THOMAS GASKINS, a citizen of the United States, residing at Arcadia, in the county of De Soto and State of Florida, have invented certain new and useful Improvements in Window-Shutters; 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.

My invention relates to improvements in that class of window blinds or shutters which embody a series of rocking slats; and it has for its general object to provide such a blind or shutter with devices whereby the slats may be conveniently adjusted and may be locked in various positions so as to admit a greater or less amount of light into a room, as desired.

To the attainment of the foregoing end, the invention consists in the construction, certain novel combinations and the adaptation of parts as will be hereinafter described and particularly pointed out in the claims appended.

In the accompanying drawings:—Figure 1, is a perspective view partly in section, of a blind embodying my invention; the slats being shown as closed. Fig. 2, is a longitudinal section taken in the plane indicated by the line *y, y*, of Fig. 1. Fig. 3, is a detail section taken in the plane indicated by the line *x, x*, of Fig. 1. Fig. 4, is an enlarged, detail perspective view illustrating the end of one of the slats, and Fig. 5 is a detail front elevation, partly in section, of a portion of the frame and one of the slats.

Referring by letter to said drawings:—A, indicates the frame of my improved blind or shutter, which is ordinarily of a rectangular form, and B, indicates the slats having trunnions *a*, at their ends, which trunnions are journaled in the side bars of the frame at equidistant points as shown. These slats B, are provided in one of their ends and above the trunnions *a*, with slots *b*, which are designed to receive the lugs *c*, of the slidable adjusting bar C, and are consequently provided with metallic strips as *d*, which rest against the side walls of said slots and are designed to prevent frictional wear.

The slidable adjusting bar C, is seated in

a rabbet *e*, and in recesses *f*, and *g*, formed in one of the side bars and in the upper and lower cross-bars, respectively, of the frame, and it is retained in position by the plate *h*, secured at the upper end of the frame, the casting or plate *i*, secured upon the frame adjacent to the bottom thereof, and the headed stud, or screw *j*, which takes through a longitudinal slot *k*, formed in the bar at an intermediate point of its length, as shown.

As better shown in Fig. 1, of the drawings, the bar C, is provided upon its face with a knob as *l*, whereby it may be readily manipulated; and said bar is furthermore provided upon its inner edge with the lugs *c*, which are designed to engage the slots *b* of the slats, as before described, so as to rock the same when the bar is moved up or down.

The lugs *c*, of the adjusting bar C, may be formed from wire or may be cast, as described, and they preferably comprise the short portion *m*, which is embedded in the bar, the portion *n*, which is bent at right angles to the portion *m*, and is designed to rest in a horizontal position parallel to the inner side of the bar, the vertical or approximately vertical portion *p*, which extends downwardly from the portion *n*, and the horizontal portion *q*, which extends outwardly from the portion *p*, and is designed to take into and engage the slot *b*, of the slats.

By reason of the construction described it will be seen that when the bar C, is moved down, the lugs *c*, will travel in the slots *b*, toward the trunnions *a*, and will consequently swing the slats into a horizontal or approximately horizontal position, while, when the bar C, is moved upwardly, the said lugs will travel in their respective slots toward the upper edges of the slats and will cause the slats to lap, as shown in Fig. 1, and close the shutter.

In some cases, it is desirable to lock the slats B, in their open and closed positions and to this end I have provided the plate or casting *i*, which is preferably bowed as shown, and is provided with a threaded aperture *r*, for the engagement of the shank *s*, of the binding screw D. This binding screw is provided at its outer end with a suitable knob or head as *t*, and it is also provided at its inner

end with a base as *u*, designed and adapted to increase the frictional contact between the screw and the bar. When the screw *D*, is turned inwardly so as to engage the bar *C*, it will be seen that said bar is locked against movement and the slats are locked in the position they occupy when the engagement between the screw and the bar takes place, which is a desideratum.

10 It will be noted from the foregoing description taken in connection with the drawings that my improved blind or shutter is very simple, durable, and efficient in operation, and it will be further noted that the metal mountings may be plated with nickel or the like, if desired, so as to enhance the beauty of the shutter and render the same more ornamental.

20 Having described my invention, what I claim is—

1. In a blind or shutter, the combination with a frame, and slats having trunnions or lugs journaled in the frame and also having slots in one of their ends above their trunnions; of a slidable, adjusting bar, and the lugs *c*, carried by said bar and engaging the slots of the slats, the said lugs respectively comprising the portion *n*, arranged parallel to the bar, the depending portion *p*, and the outwardly extending horizontal portion *q*, which

enters the slot, all substantially as and for the purpose set forth.

2. The blind or shutter herein described, comprising the frame having the rabbet formed in the inner side of one of its longitudinal bars and also having aligned recesses in its upper and lower cross-bars, the slidable bar arranged in said rabbet, the slats having journals at opposite ends bearing in the vertical, longitudinal bars of the blind frame; said slats also having elongated recesses in one end above the journals, the angular lugs *c*, secured to the slidable bar at one end and having their opposite ends extending into the slots of the slats, a knob on the slidable bar for operating the same, the plate *h*, closing the upper end of the rabbet, the bowed or bellied plate *i*, having a screw tapped aperture and fixed to the blind frame across the rabbet and the binding screw *t*, taking through the plate *i*, and having the enlarged base *u*, adapted to engage the slidable bar so as to fix the same, as and for the purpose set forth.

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

THOMAS GASKINS.

Witnesses:

ED. M. EARNEST,
ALICE EARNEST.