(No Model.)

E. AXTHELM.

SHUTTER FASTENER.

No. 588,375. Patented Aug. 17, 1897.

Fig. 1.

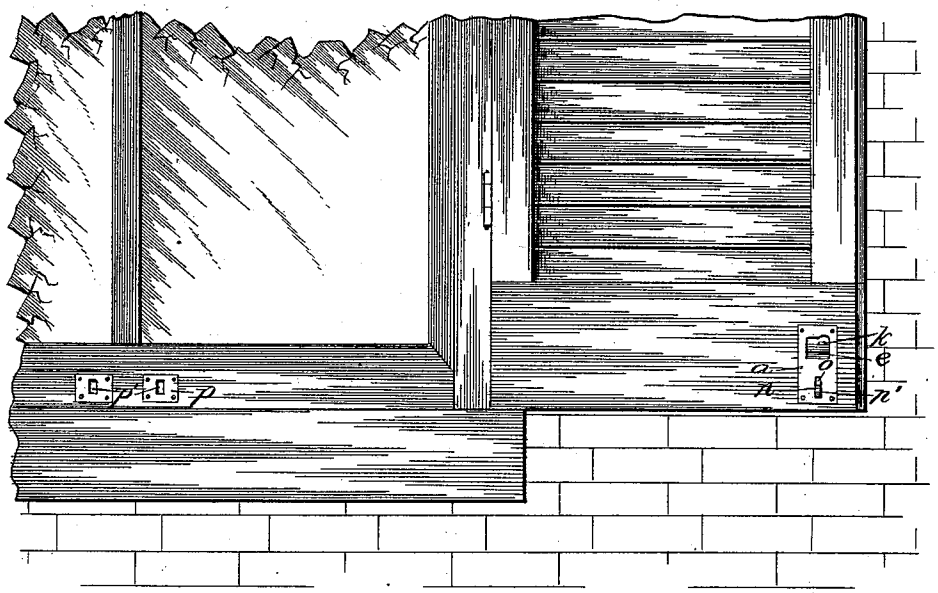
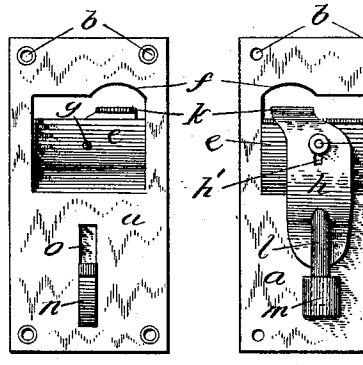


Fig. 2. Fig. 3. Fig. 4.



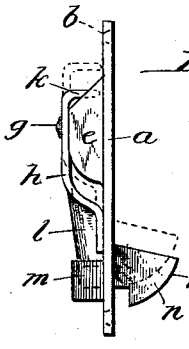


Fig. 5.

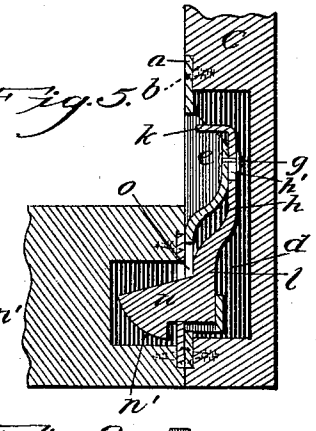


Fig. 6.

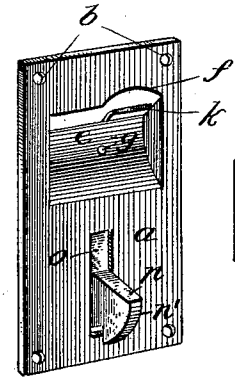
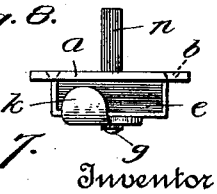


Fig. 8.



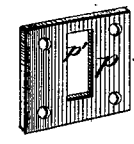


Fig. 7.

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UNITED STATES PATENT OFFICE.

ERNST AXTHELM, OF PITTSBURG, PENNSYLVANIA.

SHUTTER-FASTENER.

SPECIFICATION forming part of Letters Patent No. 588,375, dated August 17, 1897.

Application filed May 26, 1897. Serial No. 638,282. (No model.)

To all whom it may concern:

Be it known that I, ERNST AXTHELM, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Shutter-Fasteners, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in shutter-fasteners, and has for its object to construct a fastener for this purpose that will be extremely simple in its construction, strong, durable, and effectual in the performance of all its functions.

Briefly described the invention consists of a plate which is countersunk in the shutter-rail, so as to bring the face of the same flush with the face of the shutter, said plate being provided with a depressed portion, which forms a catch to operate the shutter and also forms a bracket from which the gravity-catch is suspended, said gravity-catch protruding through the plate and adapted to engage in a socket provided therefor in the window-sill; and to this end the invention consists in the novel construction, combination, and arrangement of parts to be hereinafter more specifically described, and particularly pointed out in the claim.

In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, and wherein like letters of reference indicate similar parts throughout the several views, in which—

Figure 1 is a side elevation of a portion of a building, showing my improved fastener in position. Fig. 2 is a front view of the fastener. Fig. 3 is a rear view of the same. Fig. 4 is a side view showing the movement of the gravity-latch in dotted lines. Fig. 5 is a cross-sectional view of the fastener and a portion of the window-sill and shutter-rail. Fig. 6 is a perspective view of the fastener. Fig. 7 is a perspective view of the locking-plate for the gravity-latch. Fig. 8 is a top plan view of the fastener.

Referring now to the drawings by reference-letters, *a* represents the plate, which is provided with suitable screw-holes *b b*, countersunk on the front of the plate, so as to permit the screw-head to be perfectly flush with the face of the plate. This plate is also countersunk in the shutter-rail *c*, which is provided with a recess *d* to receive the depressed portion *e* of the plate, the opening *f* thus formed in the plate serving as a catch to operate the shutter. To the back of this depressed portion *e* is secured, by means of a rivet *g*, a plate *h*, having a slot *h'* to permit the vertical movement of the plate, said plate having a protruding upper end *k* extending through the slot or opening formed in the plate and forming a finger-catch, by means of which the latch may be lifted when it is desired to release the same from its engagement. This plate *h* carries a shank *l*, which operates in a keeper *m* on the back of the plate *a*, said shank having formed integral therewith the catch or hook *n*, which protrudes through a slot *o* in the plate and is provided with an inclined face *n'*, so as to cause the same to lift the latch when it comes in contact with the plate *p*, secured in the window-sill *q* and provided with a slot *p'* to receive the said hook or latch.

The operation of my improved shutter-fastener is as follows: Assuming that all parts have been secured in their respective positions and the fastener attached to the shutter-rail, the shutter being open, as is shown in Fig. 1 of the drawings, the operator can close the shutter by inserting the finger in the opening *f* without engaging the protruding catch *k*, and as the inclined face *n'* of the hook or catch *n* comes in contact with the plate *p* the latch will again fall by reason of its own weight and the hook thereof firmly engage the plate *p*, so as to securely lock the shutter.

When it is desired to unlock and open the shutter, the operator when inserting the finger in the opening *f* places the same in a manner to engage and lift the catch *k*, which serves to raise the catch out of its engagement with the locking-plate *p*, and the shutter may be readily forced open. By this construction it will be observed that when the shutter is closed the lock will operate automatically without any assistance from the operator, and it will also be noted that various changes may be made in the details of construction without departing from the general spirit of my invention.

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

A fastener for shutters and the like consisting of a base-plate having a depression, a portion of the walls of said depression being cut away, a slot below said depression, a plate provided with a longitudinal opening secured to the back of said depressed portion, a projection formed on the upper end of said plate and projecting through said cut-away portion and forming a finger-catch, a shank operating in a keeper, said shank having formed integral therewith a catch or hook and protruding through said slot in the base-plate, said catch or hook having an inclined face, and means whereby said fastener is secured to the shutters, substantially as shown and described.

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

ERNST AXTHELM.

Witnesses:
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