

(No Model.)

R. DAVIS & A. GARTNER.
SHUTTER FASTENER.

No. 510,164.

Patented Dec. 5, 1893.

Fig. 1.



Fig. 2.

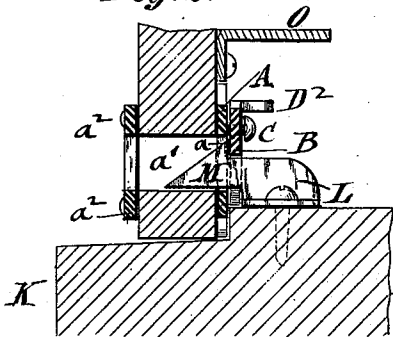


Fig. 3.

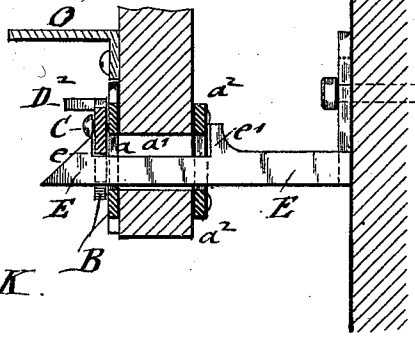
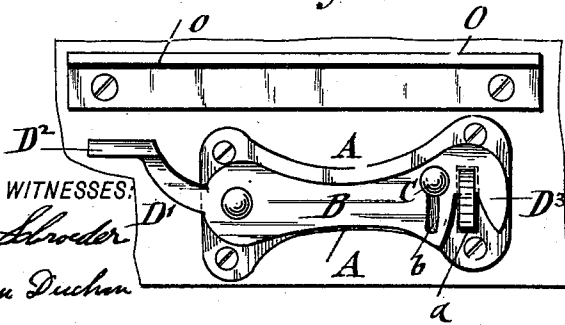


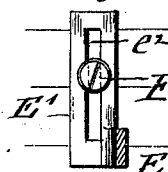
Fig. 4.



WITNESSES:

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Fig. 5.



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UNITED STATES PATENT OFFICE.

ROBERT DAVIS, OF JERSEY CITY, AND ADOLPH GARTNER, OF HOBOKEN,
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SHUTTER-FASTENER.

SPECIFICATION forming part of Letters Patent No. 510,164, dated December 5, 1893.

Application filed August 15, 1892. Renewed June 20, 1893. Serial No. 478,287. (No model.)

To all whom it may concern:

Be it known that we, ROBERT DAVIS, a resident of Jersey city, and ADOLPH GARTNER, a resident of Hoboken, county of Hudson, State of New Jersey, citizens of the United States, have invented certain new and useful Improvements in Shutter-Fasteners, of which the following is a specification.

The object of our invention is to provide a new and improved shutter-fastener, which is made without springs, of simple, strong and durable construction and which can easily be attached to the shutter and cannot be opened from the outside.

The invention consists in details of construction and combination of parts, which will be fully described hereinafter and finally pointed out in the claim.

In the accompanying drawings, Figure 1 is a front-view of a window and its shutters, which latter are provided with our improved fasteners, one part of the wall being shown to be of wood and the other half of brick. Fig. 2 is an enlarged detail transverse-section on the line 2 2, of Fig. 1, showing the shutter closed. Fig. 3 is a similar view, showing the same in open position. Fig. 4 is an inside-view of the latch of the fastener, drawn on an enlarged scale, and Fig. 5 is a front-view of the adjustable fastening-hook, partly in section.

Similar letters of reference indicate corresponding parts.

To the plate A, which is attached by screws to the lower inside part of the shutter, is pivoted a latch B, which is guided by a slot *b* on a pin C projecting from the plate A. The latch B is provided at one end with an arm D' having a finger-plate D² and at the opposite end with a beveled hook D³. In the plate A is arranged at the end adjacent to the hook D³ of the latch B a vertical slot *a* which is in line with an opening *a'* of the same shape and size which extends through the shutter and at the outer surface of said shutter a slotted guard-plate *a*² is fastened around said opening. To the window-sill is attached a plate L, from which a beveled hook M extends in outward direction. When the shutter is to be closed, the hook M passes into the opening *a*, but before doing so, it forces upward the

hook D³ of the latch B until it has entered into the opening *a'* of the shutter and permits the latch to drop and engage the hook M, so as to lock the shoulder into place, as shown in Fig. 2. The height of the hook M is equal to the height of the opening *a*, thus preventing persons from the outside from inserting a wire or pin for raising the latch B. To prevent persons from passing their hands through the opening in the shutter below the bottom-slot, a guard-plate O is fastened to the inside of the shutter above the plate A.

From the wall of the building a fastening-hook E projects, which is provided at its front-end with a beveled hook *e* and a distance from the hook with a lug-stop *e'*, which is slightly higher than the hook *e*. When the hook E is to be driven into a board-wall, as shown at the left-hand side of Fig. 1, a pointed shank is used, but when the fastening-hook E has to be attached to a brick wall, its shank is provided at its inner end with a plate E' having a longitudinal slot *e*², through which a fastening-spike or nail F is driven into one of the mortar-joints in the wall. The plate E' of the hook E is raised or lowered before the spike F is driven all the way home, and when said fastening-hook is in the proper position, so as to permit the beveled hook *e* to pass through the opening *a'* of the shutter, the spike or nail F is finally driven home into the wall, so as to hold the fastening-hook firmly in position. The fastening-hook E can then be adjusted to any desired height, according to the location of the lower part of the shutter, without requiring a socket or holder to be forced into the brick or mortar, as the fastening-spike F is held firmly and securely in position and cannot become loose.

This shutter-fastener is simple in construction, requires no spring of any kind, and can be easily attached, as the plate A carrying the latch B requires only to be fastened by means of screws.

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

The combination, with a shutter having a slot in its lower part, which slot extends entirely through the shutter, of a plate fastened to the inner side of the shutter and having a

slot corresponding to the inner end of the
slot in the shutter, a latch pivoted to said
plate and provided with a guide-slot through
which a pin passes from the plate and a fas-
5 tening hook attached to the wall and pro-
vided with a stop-lug of greater height than
the slot in the shutter, and a fastening hook
on the window sill, substantially as set forth.

In testimony that we claim the foregoing as
our invention we have signed our names in 10
presence of two subscribing witnesses.

ROBERT DAVIS.
ADOLPH GARTNER.

Witnesses:

RICHD. GARRICK,
CHARLES A. GARTNER.