(No Model.)

T. F. LANGLEY.

SHUTTER FASTENER.

No. 259,559. Patented June 13, 1882.

Fig. 1.

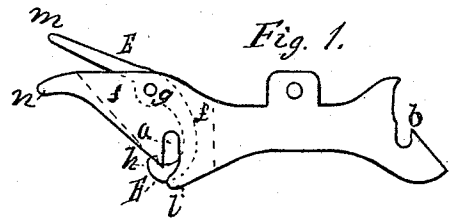


Fig. 2.



Fig. 3.

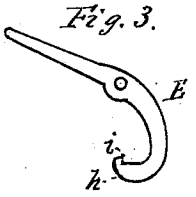
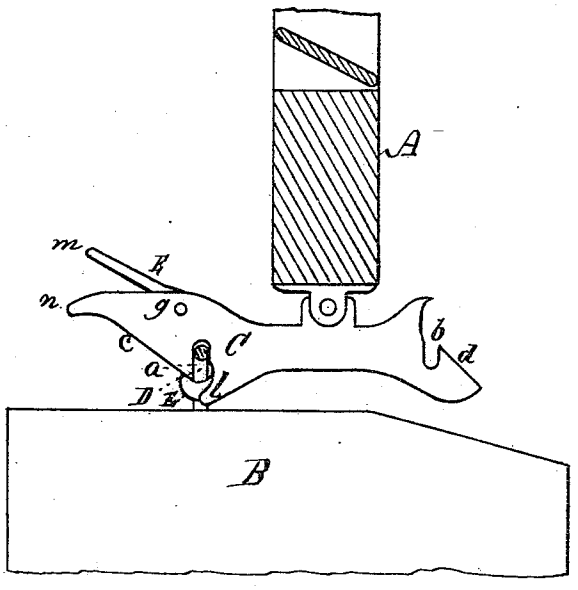


Fig. 4.



WITNESSES

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UNITED STATES PATENT OFFICE.

THOMAS F. LANGLEY, OF EAST KINGSTON, NEW HAMPSHIRE.

SHUTTER-FASTENER.

SPECIFICATION forming part of Letters Patent No. 259,559, dated June 13, 1882.

Application filed December 9, 1881. (No model.)

To all whom it may concern:

Be it known that I, THOMAS F. LANGLEY, of East Kingston, in the county of Rockingham and State of New Hampshire, have invented an Improved Blind-Fastener; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification.

Figure 1 represents a side view of the improved hook-latch in which my invention consists; Fig. 2, a top view of the same; Fig. 3, a side view of the locking-piece invented by me, and in Figs. 1 and 4 shown in place in the latch; Fig. 4, a transverse vertical section of the lower part of a blind with my improved fastener attached thereto, a portion of the window-sill being also shown in section.

Like letters designate corresponding parts in all the figures.

It being desirable to have a blind-fastener which shall be self-locking, in order not to be easily unfastened from the outside, my invention is designed to effect this purpose in an effectual manner, while the fastener shall be perfectly convenient in use, and, withal, not essentially increased in cost thereby.

In the drawings, A represents the blind provided with my improved fastener; B, the sill of the window to which the blind belongs, and C the hook-latch to which my improvement is applied. This latch in general construction and form does not differ essentially from hook-latches heretofore in use for this purpose, it having a hook-notch, *a*, in its under edge near the inner end to catch over a staple or catch, D, which projects up from the window-sill B, and a hook-notch, *b*, in its upper edge near the outer end, to catch under a suitable staple or catch attached to the outside wall of the building. Suitable inclined surfaces, *c d*, at the ends of the latch cause it to ride over or under the catches, as usual.

My improvement consists in combining with this latch a locking-piece, E, formed substantially as shown, and constructed, arranged, and operating substantially as follows:

It consists of a single piece, Fig. 3, cast or otherwise conveniently produced, and it is mounted on or in the latch C, preferably located in a vertical slot, *f*, Fig. 2, in the latch, so as to shield it and render it difficult to get at by a burglar outside of the house. It is suspended by a rivet or pivot, *g*, passing through the latch, and turns thereon freely. The lower lock end, *h*, forms a kind of hook, which swings under the catch D as the latter enters the notch *a* of the latch and closes the outlet of the notch, substantially as represented, there being a shoulder, *i*, or equivalent form, which catches around under the catch and prevents its displacement from the notch by any force applied to the latch, which has a shielding projection, *l*, back of the locking-piece, to prevent the latter from being easily reached by an instrument inserted from outside under the blind.

The upper end of the lock projects upward and forms a thumb-piece, *m*, by depressing which from the inside of the room the locking-piece is swung back freely and easily, thus not interfering with the proper use of the fastener, the person who unfastens the blind simply taking this thumb-piece and a finger-projection, *n*, of the latch between his thumb and finger.

When the blind is in the act of shutting, and the inclined surface *c* rides upon the catch D, the latter automatically pushes against and swings back the locking-piece till it enters the notch *a*, when the said locking-piece immediately again swings forward under the catch and secures it in the notch.

The whole operation of this locking-piece will be readily understood by the drawings. It is quite inexpensive, adding only a trifle to the cost of the fastener.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination of the vertically-vibrating latch C, having the vertical slot *f*, and the gravitating locking piece or hook E in the said slot, substantially as and for the purpose herein specified.

The foregoing specification signed by me.

THOMAS F. LANGLEY.

Witnesses:

ELIPHALET W. PHILBRICK,

THOMAS LANGLEY.