

J. M. MESCHUTT.

SHUTTER AND BLIND FASTENER.

No. 178,318.

Patented June 6, 1876.

Fig. 1.

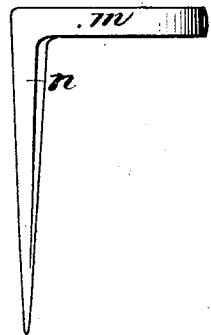
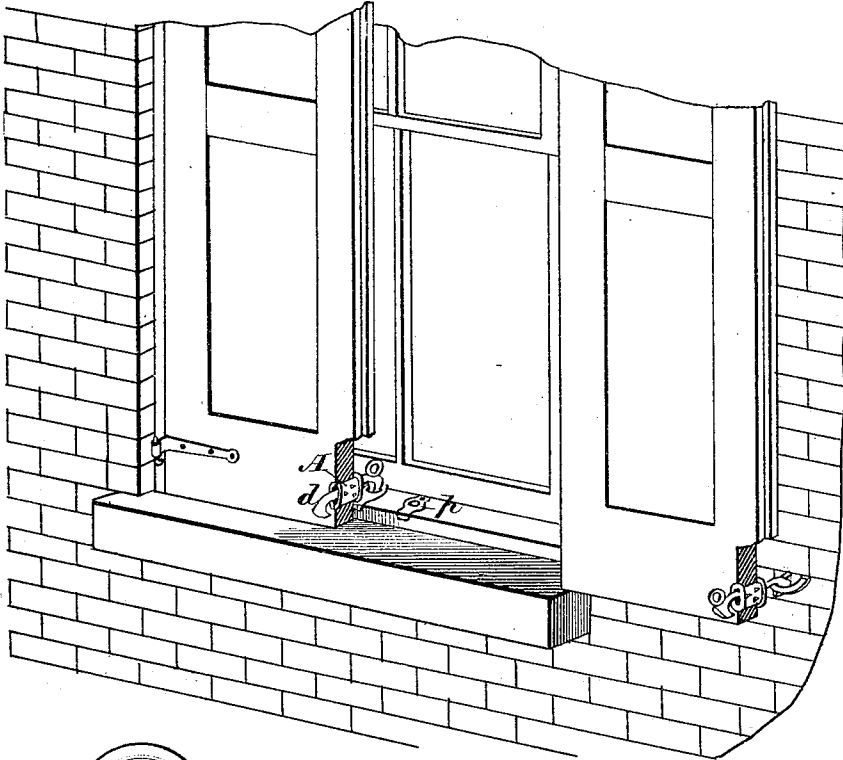


Fig. 2.

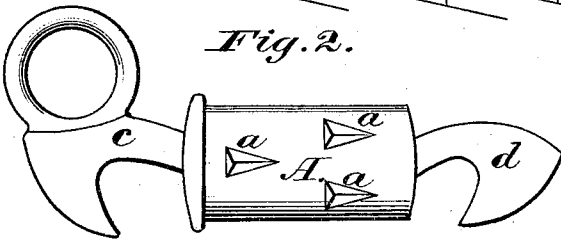


Fig. 6.

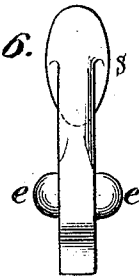


Fig. 3.

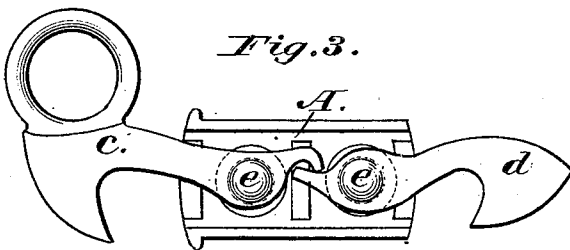
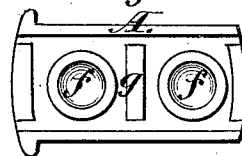


Fig. 5.



Witnesses.
Harry Davis.
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JAMES M. MESCHUTT, OF JERSEY CITY, NEW JERSEY.

IMPROVEMENT IN SHUTTER AND BLIND FASTENERS.

Specification forming part of Letters Patent No. **178,318**, dated June 6, 1876; application filed December 2, 1875.

To all whom it may concern:

Be it known that I, JAMES M. MESCHUTT, of Jersey City, Hudson county, State of New Jersey, have invented certain Improvements in Window Shutter and Blind Fasteners, of which the following is a specification:

My invention relates to the construction of an improved window shutter and blind fastener; and consists in arranging and casting the several parts in a novel manner, to obviate the use of springs and rivets, thereby reducing the cost of manufacture, and giving greater durability and effectiveness in operation, and also in an adjustable catch for the wall, of novel shape, as will be hereinafter more fully described and definitely claimed.

In the accompanying drawings, Figure 1 represents my improved window shutter and blind fastener in use. Fig. 2 represents the same ready to be applied to the shutter or blind. Fig. 3 represents, in section, the core for giving the form of the interior of the body part A, Fig. 1, and is made to contain in it the adjacent parts of the latches *c* and *d*, as shown by the dotted lines therein. Fig. 4 represents my outside adjustable catch for brick walls, and consists of a round tapering shank, *n*, and a curved arm, *m*. It is applied to use by driving it into the wall between two bricks, as near as may be to the latch in the shutter when it is opened and set in the proper position, and is so arranged as to be readily adjusted to the sagging of the window-shutter. Fig. 5 represents a section of the interior of the body part A, Fig. 2; and Fig. 6 represents a vertical detached view of the latches *c* and *d*, the same being shown laterally in Fig. 3. The extremities are weighted, as shown at *s*, and the pivots *e e* (and *e e* in Fig. 3) are rounded in form for the purpose of ejecting rust or other matter that may tend to obstruct their operation.

To construct my improved window shutter and blind fastener I use iron or any other suitable material. I cast the latches *c* and *d*, and, having provided a core-box, (the reverse of Fig. 3,) I lay the latches into it, and fill it up with a composition of plaster and sand, or any other suitable substance, and, pressing the two parts of the core-box together, thus form the core.

The core-box is so arranged that a very thin layer of the plaster or substance of which the core is composed covers the rounded pivots *e* and *e* uniformly on their surface about one-thirtieth of an inch thick, and these form the sockets *f f*, Fig. 5, in the process of casting, as the remaining portion of the core, properly shaped, forms the rest of the interior of the body part A.

The core being made, I proceed to mold the outside of the window shutter and blind fastener. The pattern I use for that purpose is represented precisely by Fig. 3, including the dotted lines. It is cast solid, the rays or wedge-shaped projections *a a a* on the exterior being for the purpose of securing the fastener firmly in the window-shutter.

Having removed the patterns, I set the core carefully, and run in the metal or composition of which the article is to be cast. The débris of the cores may be removed by the process of tumbling in hot water, or in any other manner suitable for the purpose.

I am aware that window shutter and blind fasteners are made and in use with two latches acting as levers upon each other, and that the common door-latch involves the same principle; also, that latches are made to operate by their own weight. I, therefore, do not broadly claim any of these; but,

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

1. The shutter and blind fastener consisting of the combination of weighted latches *c* and *d*, having rounded journals or pivots *e e*, secured in a tubular shell or case, formed with sockets *f f*, and cast around the latches and their pivots, all substantially as shown and described, for the purpose set forth.

2. The adjustable catch *m n*, consisting of a tapering shank and curved arm arranged to engage with the weighted latch of a shutter and blind fastener in such manner as to be readily adjusted to the sagging of the shutter and blind, as described and shown, for the purpose specified.

JAMES M. MESCHUTT.

Witnesses:

THOS. GEORGE,
WM. H. HECKLE.