(No Model.)

L. W. MERRIAM.

SHUTTER FASTENER.

No. 420,461. Patented Feb. 4, 1890.

FIG. 1.

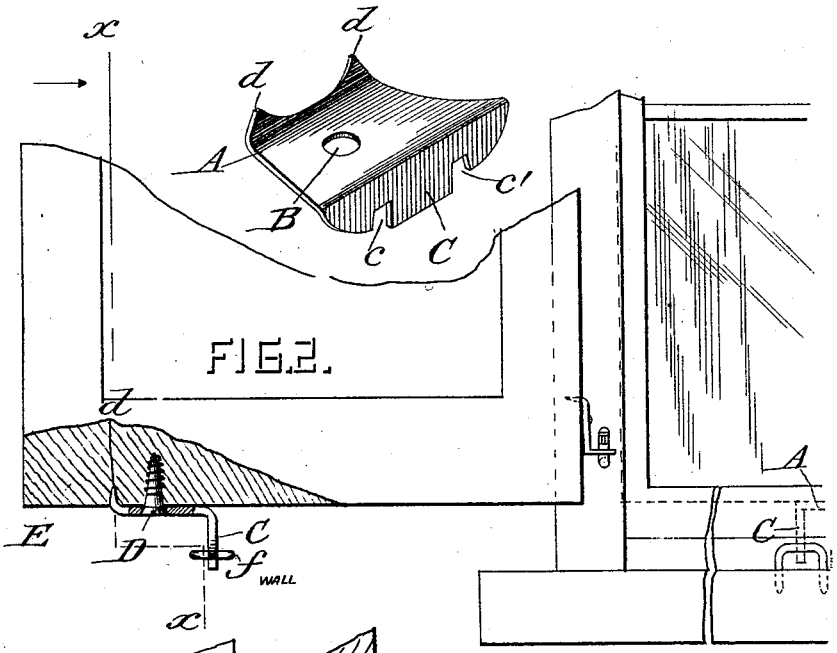
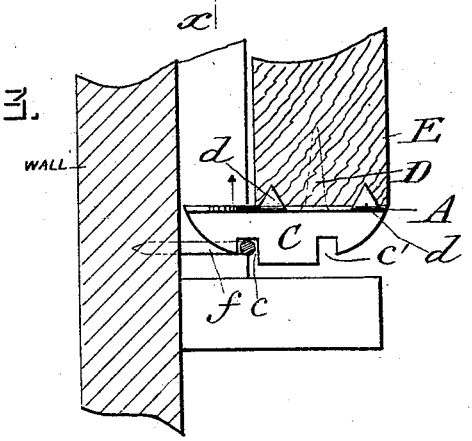


FIG. 2.

FIG. 3.



Attest:

F. H. Schott

Fred E. Tasker.

Inventor:

Lyman W. Merriam.

per John C. Tasker, atty.

UNITED STATES PATENT OFFICE.

LYMAN W. MERRIAM, OF FITCHBURG, MASSACHUSETTS.

SHUTTER-FASTENER.

SPECIFICATION forming part of Letters Patent No. 420,461, dated February 4, 1890.

Application filed May 11, 1889. Serial No. 310,408. (No model.)

To all whom it may concern:

Be it known that I, LYMAN W. MERRIAM, a citizen of the United States, residing at Fitchburg, in the county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Blind-Fasteners; and I do hereby 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 present invention relates to an improvement in blind-fasteners, the object thereof being to construct a simple and efficient fastener consisting of a single piece of metal rigidly affixed to the blind and operating by raising the blind when fastening or unfastening; and the invention consists in the construction, arrangement, and combination of the devices, substantially as will be hereinafter described and claimed.

In the accompanying drawings, illustrating my invention, Figure 1 is a perspective view of my improved blind-fastener. Fig. 2 shows the fastener in side elevation and partial section and indicates how it is applied to a blind so as to be in operative position. Fig. 3 is a sectional elevation on line *x x* of Fig. 2.

Like letters of reference designate corresponding parts in the different figures.

My improved blind-fastener is extremely simple, consisting of a metallic plate A, which is provided with an aperture, opening, or orifice *b*, and also with a couple of drive-prongs *d d*. By means of a screw D, adapted to pass through the screw-hole B in the manner shown in Fig. 2, and also of the drive-prongs *d d*, adapted to press into the wood, the plate A is firmly secured to the under side of the blind.

The plate A, in addition to being provided with the drive-prongs *d d*, which project upwardly into the blind E, as shown in Fig. 2, is also constructed with a flange portion integral with the plate A and bent at right angles thereto downwardly, or in a direction the opposite of that in which the drive-prongs *d d* project. This flange C may be of greater or less size. Its edge is curved more or less from end to end and is provided with two notches or indentations of suitable size and shape *c* and *c'*. The periphery of the flange curves easily from the notch *c'* up to one end of the flange and from the notch *c* up to the other end of the flange. (See Fig. 1.)

The fastener thus described is applied to a blind in such a manner as to project on the outside thereof. It is flush with the inside of the blind, and therefore will not interfere with window-screens, &c., and the fact that it projects on the outside of the blind enables me to shorten the staple that is driven into the house wherewith the fastener engages, thereby increasing the strength of the staple which supports the blind. It is obvious that the fastener will operate by lifting the blind, for the curved portions of the flange C will easily rise upon the looped staple, so as to allow said staple to drop into engagement with one or the other of the notches *c' c'*. As this fastener is fixed rigidly to the blind, it will be manifest that there is no spring to get out of order, and also it will be clear that the fastener will act as a firm support for the blind. It can be readily applied to a blind of any kind, and, although cheap and simple in construction, will be found very effective in operation.

I preferably use this fastener with my improved hinge described in a companion application, wherein this fastener is also illustrated; but of course I may use the fastener with any other kind of a hinge.

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

The herein-described blind-fastening, consisting of the metallic piece A, having the aperture B and drive-prongs *d d* and provided with the right-angled integral flange C, having the curved edge furnished with the notches *c* and *c'*, substantially as described.

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

LYMAN W. MERRIAM.

Witnesses:
STELLMAN HAYNES,
ALFRED PAGE.