D. M. Larrence,

Lock Hinge.

No. 16,038. Patented Nov. 4, 1856.

Fig. 3

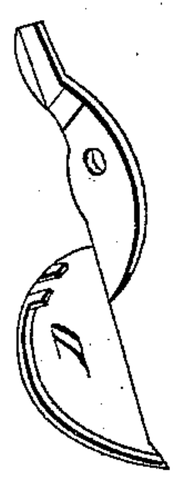


Fig. 4.

Fig. 1

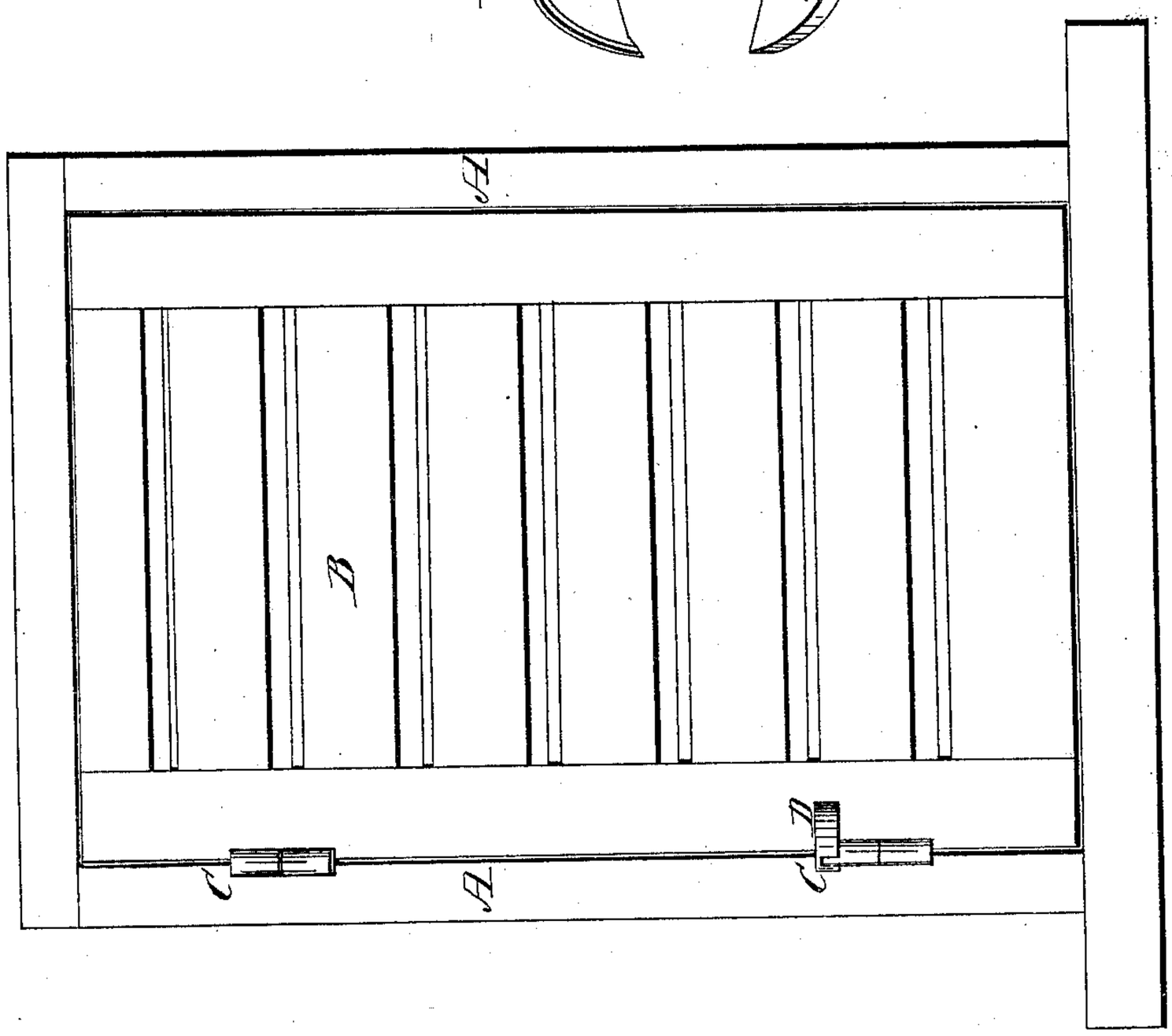
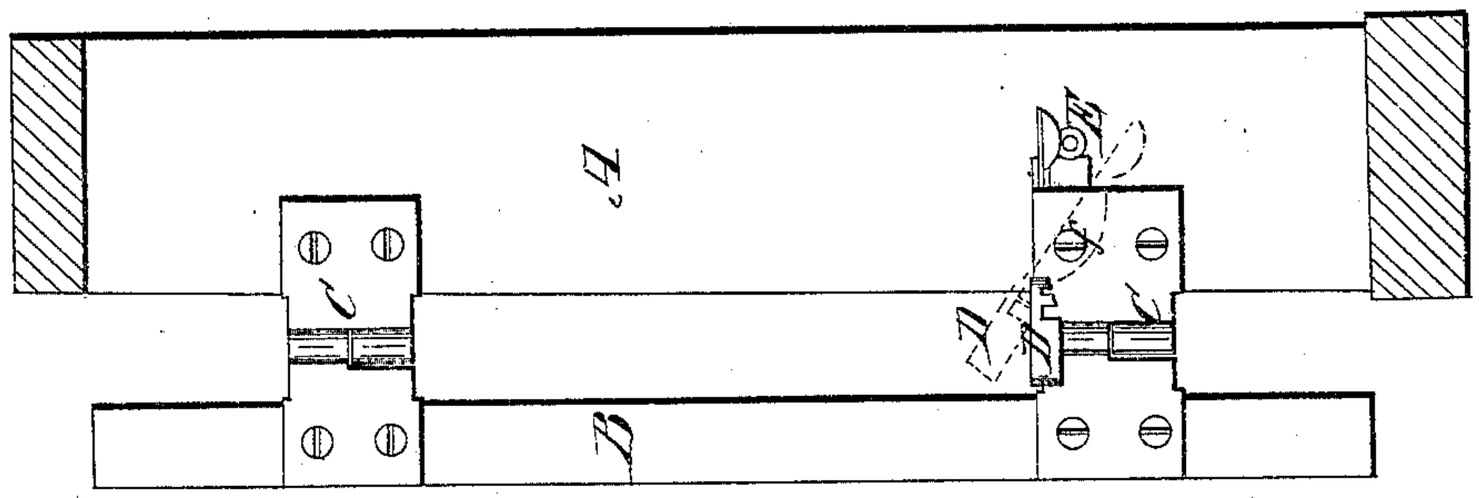


Fig. 2.



UNITED STATES PATENT OFFICE.

D. M. LAWRENCE, OF CINCINNATI, OHIO.

SHUTTER-FASTENER.

Specification of Letters Patent No. 16,038, dated November 4, 1856.

To all whom it may concern:

Be it known that I, DAVID M. LAWRENCE, of Cincinnati, in the county of Hamilton and State of Ohio, have invented a certain new and useful Improvement in Window-Shutter Fasteners, &c., of which the following is a full, clear, and exact description, reference being had to the accompanying drawing of the same, in which—

Figure 1, represents a front elevation of a window frame and shutter, the latter being closed and fastened by means of my improved lock; Fig. 2, represents a section through the line *y*, *y*, of Fig. 1, showing the inside frame with the shutter open and fastened back by my improved shutter lock, the dotted lines of the same representing the position of the lock when the shutter is free either to be opened or closed; Figs. 3 and 4 represent views in perspective of my improved lock piece detached from the hinge.

The object of my invention is to provide a cheap and simple shutter fastener that would not be liable to get out of order, and yet be capable of holding it at any required angle, and to lock it when adjusted so that the wind when it is open or only partially so cannot close it, or when closed altogether so locked that it cannot be opened from the outside the whole being so arranged as that the party may close the shutters and lock them when open, or open them when closed and lock them from the inside without exposing himself to the inclemency of the weather.

This improvement consists in combining and arranging with a common shutter hinge a lock plate having a circular flange in which is cut a series of notches, and working on a pivot in such manner that when its inner end is depressed the notched end will be disengaged from the outer half of the hinge, thus leaving the shutter free to be opened or closed; but when raised so as to be in a horizontal line or nearly so with the front or flanged end, a notch will have engaged the upper side of the outer half of the hinge, thus preventing the shutter from being either further opened or closed, the lock piece in such a case being prevented from becoming disengaged from the hinge by means of a spring stop for the purpose.

In the accompanying drawing A, A, represents a window frame, having a window shutter B, secured to one side by hinges C. Between the inner half of the lower hinge and the side of the window frame is pivoted a lock D, in this instance by means of the upper screw *f*, that secures the hinge to the frame. Upon the forward end of this frame is formed a semi-disk the periphery of which is bent downward so as to form a semi-circular flange, into which are cut a series of notches of a width and at an angle capable of embracing the upper side of the outward half of the hinge, with the exception of the first notch, which is made of a width sufficient to embrace both halves when brought together as when the shutter is closed. Upon the inner end of this plate is formed a small knob or thumb piece for the purpose of turning the plate upon its pivot to engage the lock with or disengage it from the outer half of the hinge by pressing the knob up or down. Immediately under the thumb piece above mentioned is arranged a small spring stop E, by pressing which, when it is desired to disengage the lock plate from the hinge, the thumb is allowed to be depressed, upon the raising of which again the stop is instantly projected outward by means of a spring, which then acts as a lock bolt to prevent the lock plate from being disengaged from the outer part of the hinge, and which when the shutter is closed prevents it from being opened from the outside.

Having thus described my improvement in window shutter fasteners, what I claim as new and desire to secure by Letters Patent is—

A lockplate D, when constructed with a semi-circular flange, having a series of notches cut therein in combination with the spring stop E, and hinge C, the whole being arranged substantially as and for the purposes described.

In testimony whereof I have hereunto subscribed my name before two witnesses this first day of August, 1856.

D. M. LAWRENCE.

Witnesses:

ARTHUR C. WATKINS,

P. H. HILMAN.