

*W. M. Griscom,
Shutter Bolt.*

N^o 32,221.

Patented Apr. 30, 1861.

Fig: 1

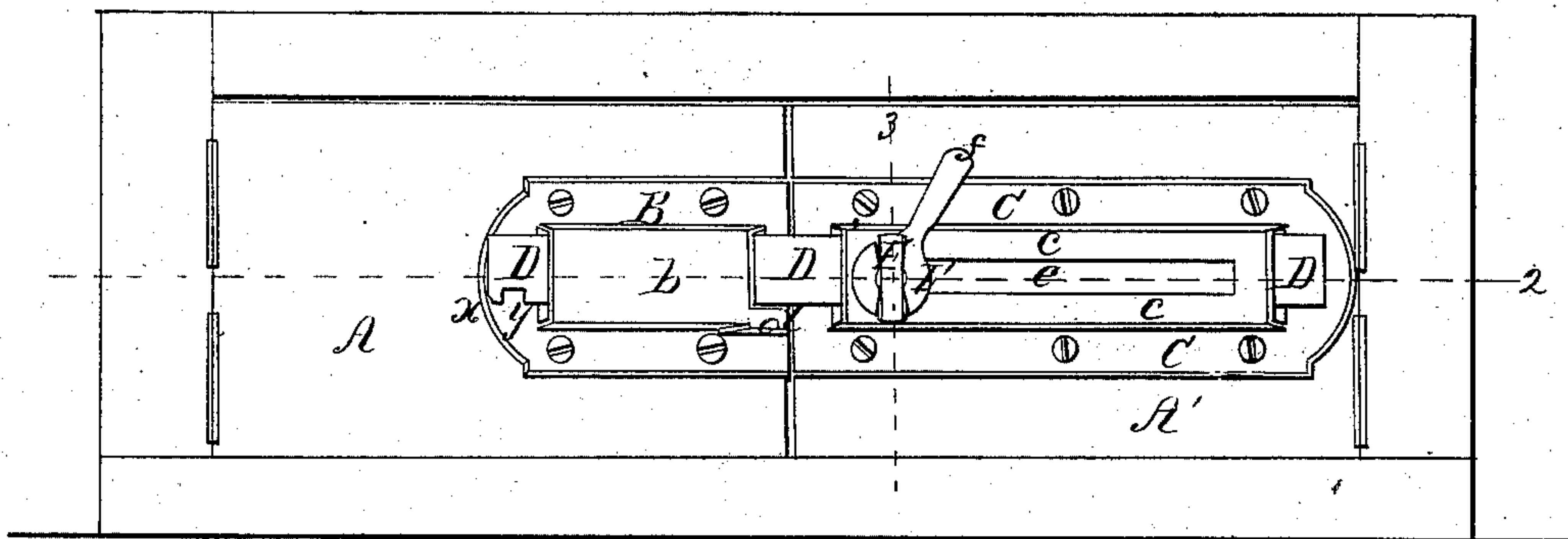


Fig: 2.

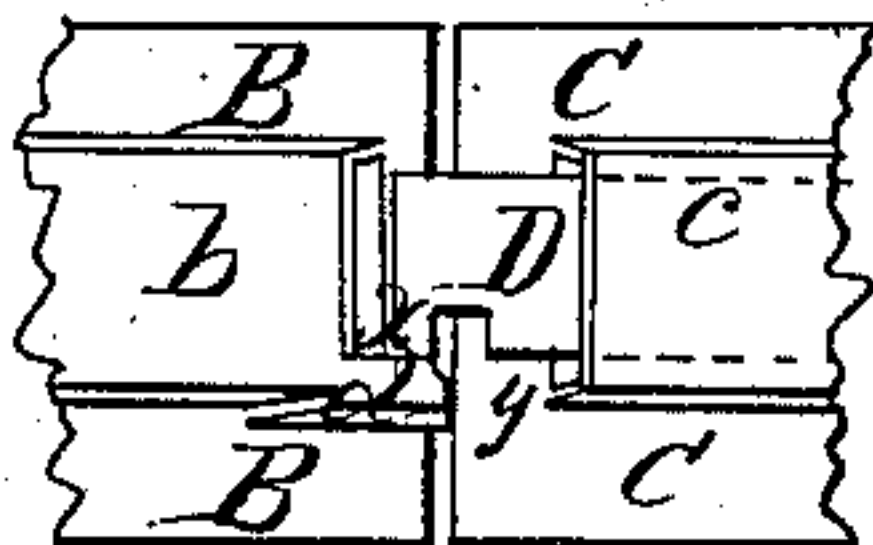


Fig: 3.

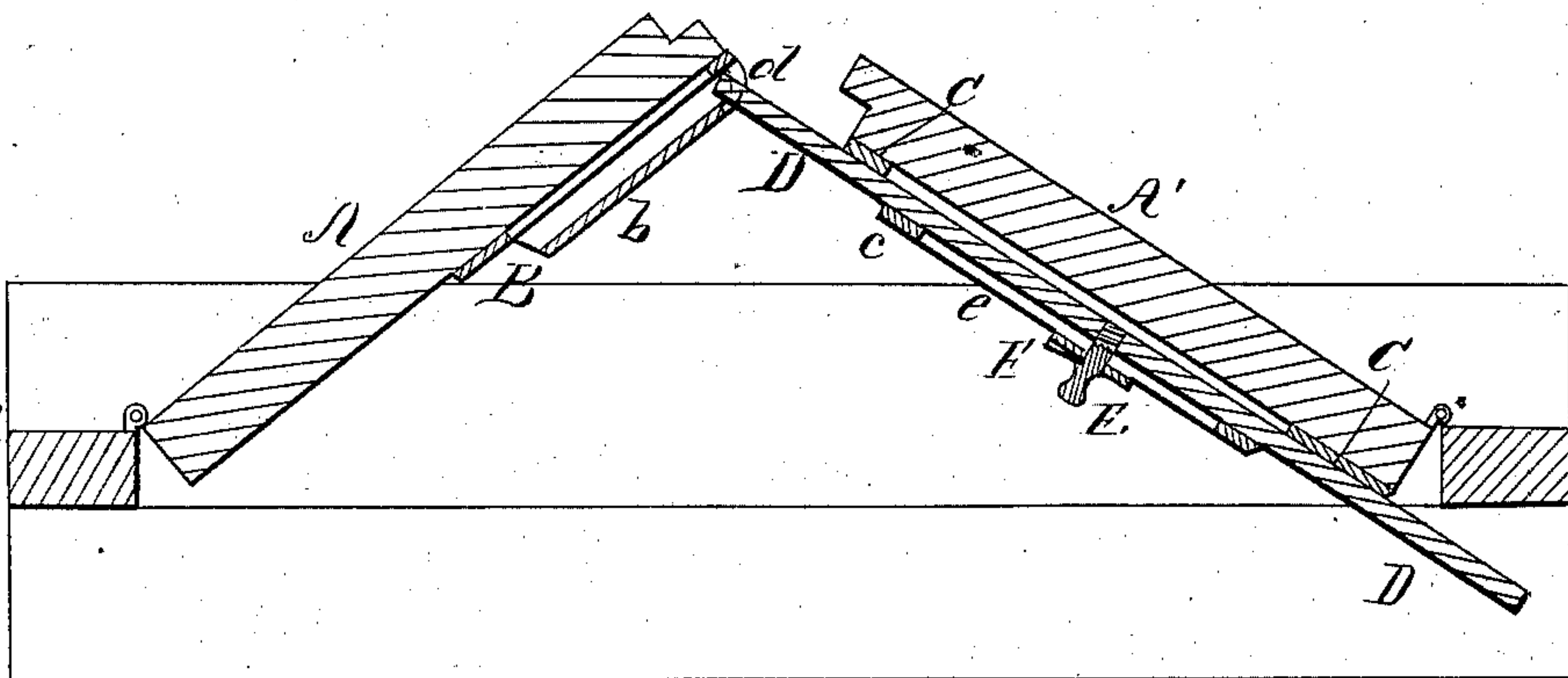
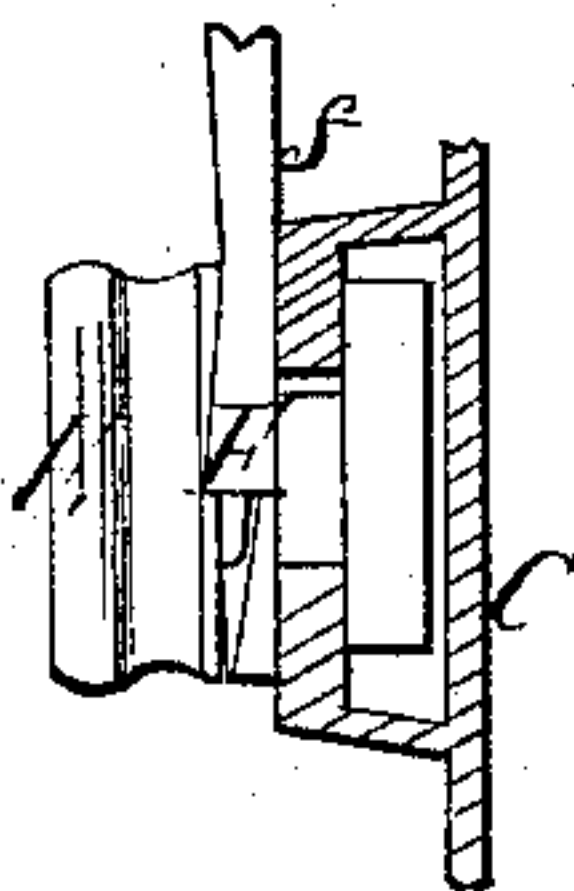


Fig: 4.



*Witnesses:
Chas. Brown
Charles E. Foster*

*Inventor:
Henry Kouson
Atty for Wm M. Griscom*

UNITED STATES PATENT OFFICE.

WM. M. GRISCOM, OF PHILADELPHIA, PENNSYLVANIA.

SHUTTER-FASTENER.

Specification of Letters Patent No. 32,221, dated April 30, 1861.

To all whom it may concern:

Be it known that I, WILLIAM M. GRISCOM, of Philadelphia, Pennsylvania, have invented certain new and useful Improvements in Shutter-Fasteners; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing and to the letters of reference marked thereon.

My invention relates to improvements in shutter fasteners so constructed and arranged that the bolts shall serve to retain the shutters in a partially open state and my improvements consist of a peculiar construction and combination of parts described hereafter for tightening the bolt at any point to which it may be adjusted and for preventing the disagreeable rattling of the shutter.

In order to enable others to make and use my invention I will now proceed to describe its construction and operation.

On reference to the accompanying drawing which forms a part of this specification, Figure 1 is a face view of my improved shutter fastener, Fig. 2 a detached portion of the same, Fig. 3 a sectional plan on the line 1, 2 Fig. 1, and Fig. 4 a transverse section (drawn to an enlarged scale) of the fastener on the line 3, 4 Fig. 1.

Similar letters refer to similar parts throughout the several views.

A and A' represent portions of two shutters to the former of which is secured a plate B and to the latter a plate C. On this plate C is a hollow box formed projection *c* within which the bolt D is arranged to slide freely and to have a limited vertical movement.

In the face of the chamber *c* is an oblong slot *e* through which passes the stem of the stud E the said stem being secured to the bolt. The head of this stud is so shaped as to form a convenient handle by means of which the bolt may be moved backward and forward in its chamber. Between the head of the stud and the face of the hollow projection *c* of the plate C intervenes a disk or washer F furnished with a suitable handle *f* and capable of turning freely on the stem of the stud. The disk has on its front surface two inclined planes arranged to correspond with inclinations formed on the inside of the head of the stud, so that by turning the disk in one direction its inclined planes acting on the inside of the stud,

draw the latter and with it the bolt D against the inside of the chamber and there retain it. On turning the disk in the contrary direction, however, the bolt is set at liberty and is free to slide backward and forward as well as to move vertically to a limited extent. The plate B of the shutter A has also a projection *b* forming a chamber for receiving the end of the bolt, and, at the lower corner of this chamber near the edge of the shutter, is a projection *d* recessed so as to form a socket for the reception of the projection *x* which is formed on the end of the bolt by cutting a notch *y* on the underside of the latter. It will be observed that this projection *x* is inclined and that there is a corresponding inclination on the edge of the projecting pocket *d*.

When the bolt has to be used as a simple fastener for securing the shutters the disk F with its inclinations serves in conjunction with the stud E to secure the bolt so thoroughly as to obviate all attempts to move it from the outside of the shutters. When the bolt has to be used as a medium for retaining the shutters partially open as seen in Fig. 5 the projection *x* at the outer end of the bolt fits into the socket formed by the projection *d* of the plate B, the edge of the socket being consequently confined by the notch *y* of the bolt, so that on turning the disk F and thereby tightening the bolt in its chamber the shutters will be firmly held in their partially open position, the bolt being held so rigidly as to prevent all disagreeable rattling of the shutters.

By loosening the bolt and simply sliding it in or out by means of the head of the stud E the extent of opening of the shutters may be regulated at pleasure and secured in any desired position after adjustment by tightening the bolt. The projection *x* of the bolt takes its place in the socket of the plate C without the necessity of any adjustment on the part of the attendant who has simply to slide the bolt outward so that the inclined edge of the projection *x* shall strike the inclined edge of the socket when the bolt will be elevated at the end until the projection has passed over the edge of the socket after which it will of itself fall into the latter.

I am aware that a shutter bolt has been heretofore used for retaining the shutters partially open, as in the patent granted to Augustus Reeve Sept. 18th, 1860. I therefore do not claim broadly such a device, but

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

5 The bolt D, its notch γ , the stud E and disk F with its inclined planes, in combination with the plate B and its socket d , the whole being constructed as and for the purpose herein set forth.

In testimony whereof, I have signed my name to this specification, in the presence of two subscribing witnesses.

W. M. GRISCOM.

Witnesses:

HENRY HOWSON,
JOHN WHITE.