

C. RUSSELL.
Shutter-Fastener.

No. 161,556.

Patented March 30, 1875.

Fig. 1.

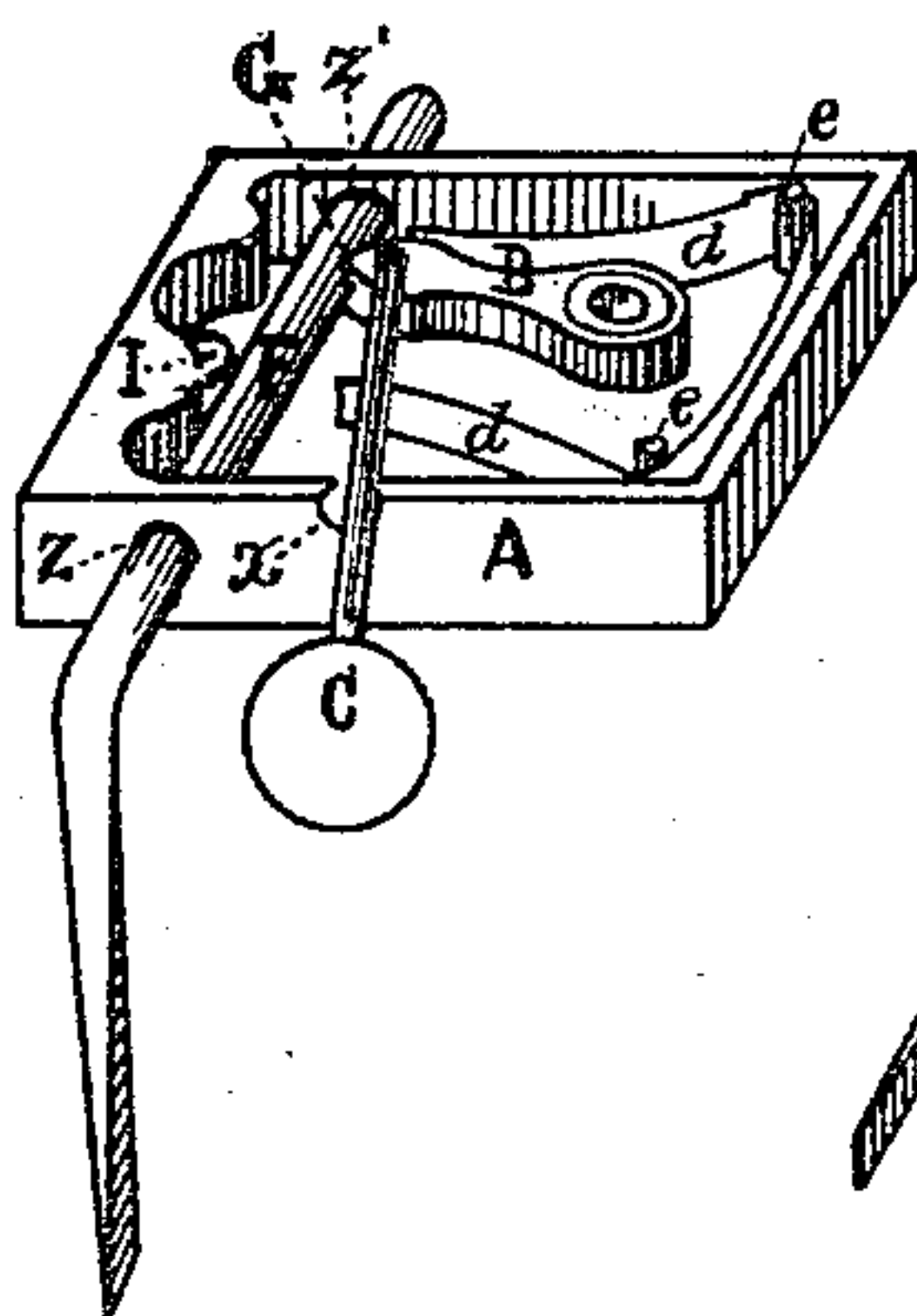
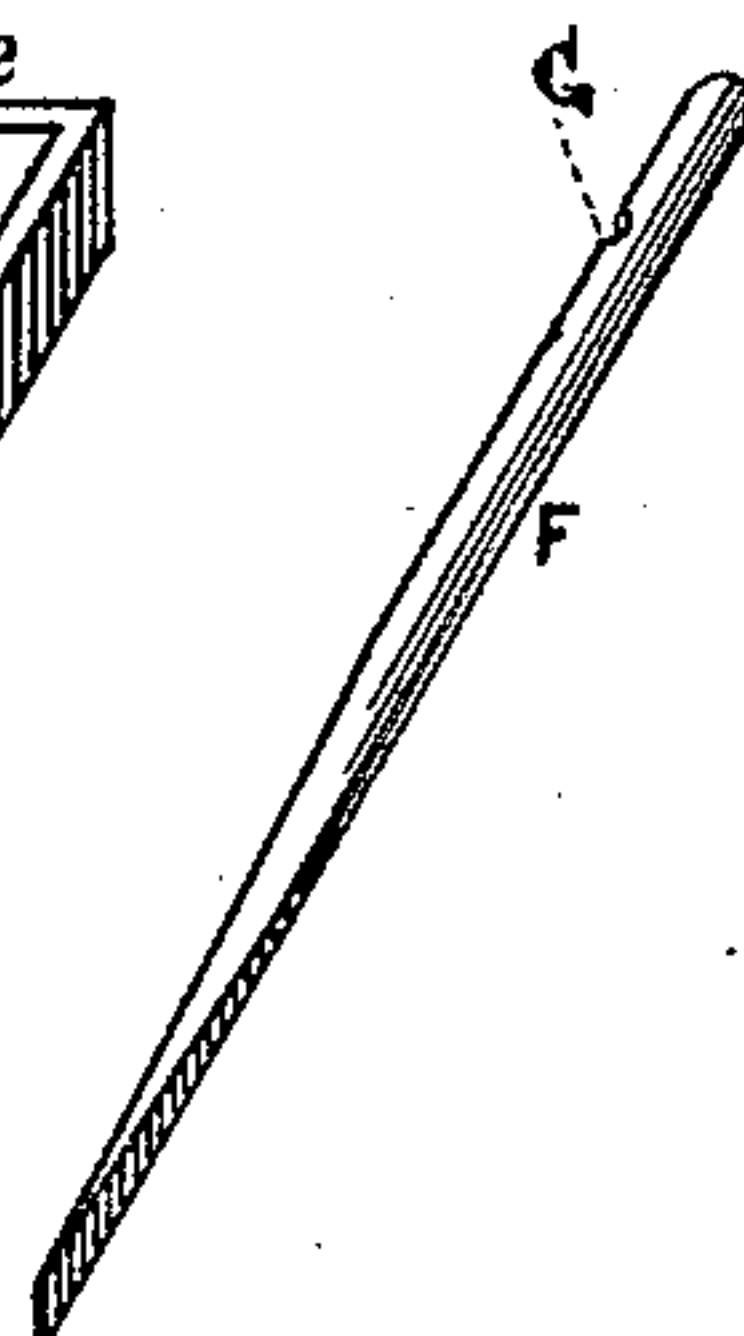


Fig. 2.



Witnesses;
Saml. C. Oliver,
H. E. Metcalf.

Inventor;
Charles Russell,
per C. A. Shaw,
Atty.

UNITED STATES PATENT OFFICE.

CHARLES RUSSELL, OF WORCESTER, MASSACHUSETTS, ASSIGNOR OF ONE-HALF HIS RIGHT TO EDWIN SCHOFIELD, OF SAME PLACE.

IMPROVEMENT IN SHUTTER-FASTENERS.

Specification forming part of Letters Patent No. **161,556**, dated March 30, 1875; application filed December 15, 1874.

To all whom it may concern:

Be it known that I, CHARLES RUSSELL, of Worcester, in the county of Worcester, State of Massachusetts, have invented a certain new and useful Improvement in Blind-Fasteners, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in the art or science to which my invention appertains to make and use the same, reference being had to the accompanying drawing forming a part of this specification, in which—

Figure 1 is an isometrical perspective view, showing my improved fastener detached from the blind; and Fig. 2, a view of the staple or catch employed in holding the blind open.

Like letters of reference indicate corresponding parts in the different figures of the drawing.

My invention relates to that class of blind-fasteners which are automatic or self-locking; and consists in a novel construction and arrangement of the parts, as hereinafter more fully set forth and claimed, by which a simpler, cheaper, and more effective device of this character is produced than is now in ordinary use.

In the drawing, A represents the box or case of the fastener, which is designed to be attached to the under side of the lower cross-rail of the blind. A pawl, B, pivoted at one end to the interior of the case, is so disposed therein as to swing freely in a lateral direction, and is provided with the push-rod C, projecting through the interior side of the case at *x*. A flattened steel spring, *d d*, is bent around and held in position by the vertical studs *e e* in such a manner that its free ends press laterally upon the two opposite sides of the pawl, tending to retain it in a central position in the case. The staple F, bent as shown in Fig. 1, and provided with the notch G, is designed to be driven into the window-sill, a like staple, but straight, as shown in Fig. 2,

being driven into the side of the building. These staples co-operate with the other parts to secure the blind in position when either shut or open, as the case may be, and for that purpose two apertures or holes, *z z'*, are formed in the sides of the box A, through both of which the ends of the staples pass.

From the foregoing the nature and operation of my invention will be readily obvious to all conversant with such matters.

In closing the blind the staple F will pass into the case A through the hole *z*, and, striking the free end of the pawl B, will push it aside, and pass out of the case through the hole *z'*, the end of the pawl falling into the notch G, thus locking the blind. If, now, it is desired to release or open the blind, it will be necessary to push the rod C inwardly until the pawl is freed away from the staple, when the blind may be swung back against the building, the staple therein entering the hole *z'*, and pushing the pawl aside, as before, but in an opposite direction, and again securing the blind.

It will be seen, however, that to unlock the fastener when the blind is opened, the rod C must be pulled instead of pushed, as the point of the pawl will then be on the side of the case farthest from the building, or in a position opposite to that required when the blind is closed.

Having thus explained my invention, what I claim is—

The improved blind-fastener described, the same consisting of the case A, provided with the pawl B, spring *d d*, and rod C, constructed and arranged to operate in combination with the notched staple F, substantially as and for the purpose specified.

CHARLES RUSSELL. [L. S.]

Witnesses:

CHAS. B. PRATT,
GEO. E. KENDALL.