

W. E. SELLECK.
Shutter-Fastenings.

No. 152,696.

Patented June 30, 1874.

FIG. 1.

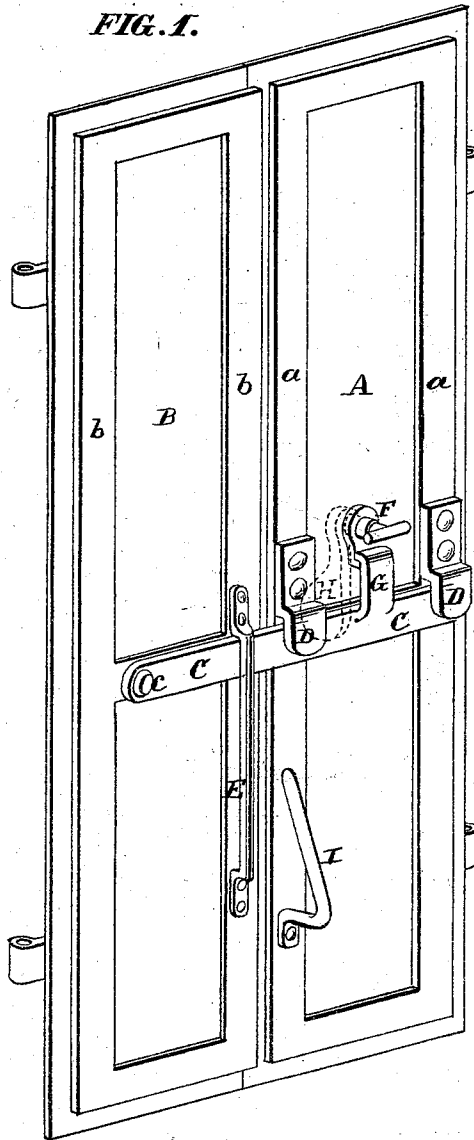
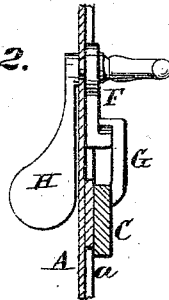


FIG. 2.



ATTEST:

Robert Burns
Henry Farmer.

INVENTOR:

William E. Selleck
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Atty.

UNITED STATES PATENT OFFICE.

WILLIAM E. SELLECK, OF ST. LOUIS, MISSOURI, ASSIGNOR OF ONE-HALF
HIS RIGHT TO THOMAS R. PULLIS, OF SAME PLACE.

IMPROVEMENT IN SHUTTER-FASTENINGS.

Specification forming part of Letters Patent No. **152,696**, dated June 30, 1874; application filed
June 9, 1874.

To all whom it may concern:

Be it known that I, WILLIAM E. SELLECK, of St. Louis, in the county of St. Louis and State of Missouri, have invented certain new and useful Improvements in Fastening for Iron Shutters, of which the following is a specification:

This invention relates to an improved arrangement, whereby the ordinary iron shutters used on buildings as a protection against fire, can be opened readily from the outside of the building, thus enabling firemen to have access to the fire in the building in case of a conflagration. It consists in pivoting one end of a bar to one of the shutters, the other end of the bar engaging under a catch on the other shutter to lock the shutters when closed. Said bar is supported on a pivoted trip-lever, having a down-turned wing upon the outside of the shutter and projecting outwardly, and which, when pushed aside (by a stream of water from a fire-engine) will trip the bar so as to let it fall, and disengage it from its catch; the shutters may then be opened by directing a stream of water under the edge of the shutters; or an inclined projection may be arranged on one of the shutters, as shown, which the bar strikes in its descent, and partially forces said shutter open; or a spring may be arranged between the subsill and one or both of the shutters, so as to force one or both of the shutters open; or the bearings of the hinges may be inclined so as to cause the shutters to open by gravity when unlocked.

Figure 1 is a perspective view of the inside of the shutters. Fig. 2 is a detail section.

A B are the shutters formed of sheet-iron plates riveted to rectangular frames *a b*. C is a bar hinged at *c* to the shutter B, and engaging under catches D secured to the shutter A. Said bar is guided by a guide strap or staple E secured to the shutter B. The bar C is held or supported in engagement with the catches D by a trip-hook, F, engaging a hooked lug, G, on the said bar; the shaft of the hook F passes out through the shutter, and is provided with a downwardly projecting plate or wing, H, which, when oscillated

or moved to one side, disengages the trip-hook F from the lug G, and allows the bar C to descend out of engagement with the catches D so as to unlock the shutters. By this arrangement the shutters is unlocked, and may be opened by directing the stream of water from the fire-engine under the edges of the shutter; but I prefer to use some positive arrangement for opening (partially) the shutters, such as is shown in the drawings, in which I is an inclined projecting angle-bar secured to the shutter A, which causes said shutter to open when the bar C descends and strikes against it. Instead of the inclined bar I being used, a spring may be substituted to force the shutter partially open, when the bar C is disengaged from its catches D; or the bearings of the hinges may be inclined so as to open the shutter by gravity when the bar C is disengaged from its catches, D.

The operation of my improved device is as follows, (the drawing representing the shutter closed and locked:) If required to open the shutter a stream of water from the fire-engine is directed against the pendent wing H, which is forced aside, disengaging the trip-hook F from the bar C, which latter descends, striking against the inclined projection I, forcing the shutter A partially open. The further opening of both shutters is accomplished by a stream of water from the engine being thrown behind them.

I claim as my invention—

1. The bar C in combination with a pivoted trip, having a down-turned wing on the outside of the shutter, substantially as and for the purpose set forth.

2. The pivoted bar C and catch D in combination with any suitable tripping device, and inclined projection I, substantially as set forth.

3. The combination and arrangement of the bar C, catch D, guide-strap E, pivoted trip F, G, H, and inclined projection I, as and for the purpose set forth.

WILLIAM E. SELLECK.

Witnesses:

SAML. KNIGHT.

ROBERT BURNS.