R. F. LOPER, Jr.

Bar-Holder for Doors and Windows.

No. 212,242. Patented Feb. 11, 1879.

Fig. 1.

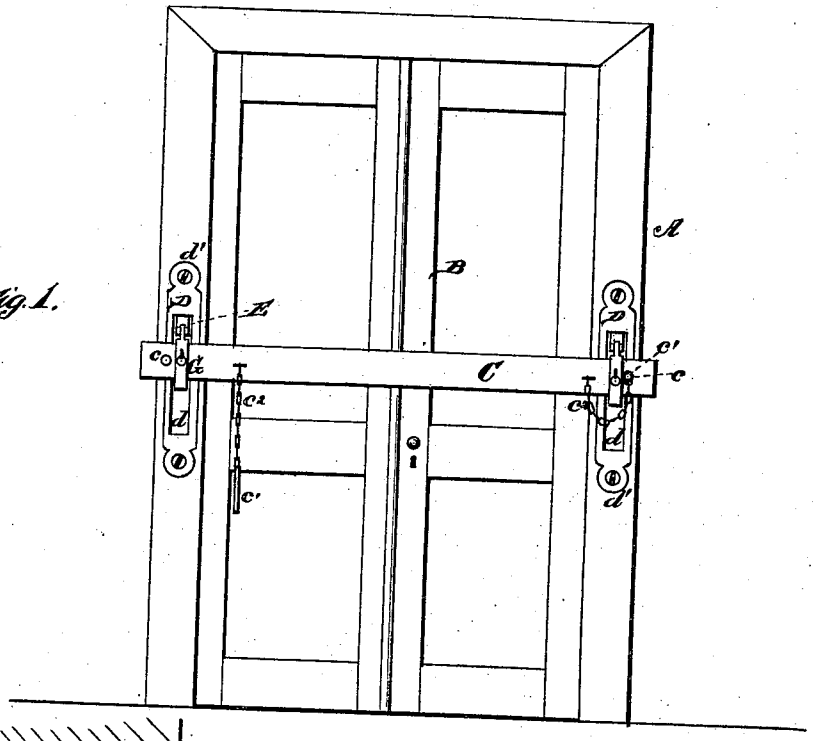


Fig. 2.

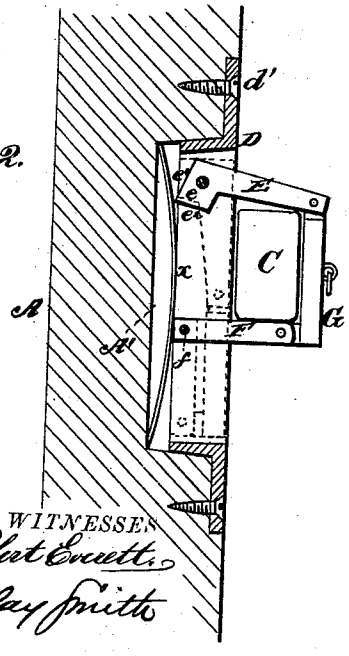
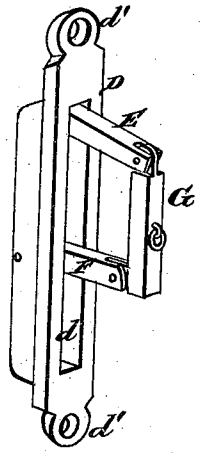


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE

RICHARD F. LOPER, JR., OF STONINGTON, CONNECTICUT.

IMPROVEMENT IN BAR-HOLDERS FOR DOORS AND WINDOWS.

Specification forming part of Letters Patent No. **212,242**, dated February 11, 1879; application filed December 14, 1878.

To all whom it may concern:

Be it known that I, RICHARD F. LOPER, Jr., of Stonington, in the county of New London and State of Connecticut, have invented a new and valuable Improvement in Bar-Holders for Doors, Windows, &c.; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a door, showing my device applied. Fig. 2 is a side view, partly in section, of my bar-holder; and Fig. 3 is a perspective view of the bar-holder.

My invention relates to a device for holding a bar as an inside fastening for doors, shutters, and the like; and the novelty consists in a folding staple, the construction of which, in relation to other parts, will be more fully hereinafter set forth, and pointed out in the claims.

In the modern construction of dwellings, public buildings, stores, and the like, the shutters, doors, &c., are ordinarily made to fold inward and be received into recesses in the frame. In such buildings it is not possible, certainly not desirable, to use the old but efficient bar and staples, as the staples would be in the way, and would be ugly in appearance.

To accommodate this best and safest of all fastenings to this class of buildings this invention is designed; but the invention or device is equally desirable in any place where bar and staples are used.

In carrying out my invention I employ a casting, ornamented, if desired, upon its face, and having a longitudinal slot extending through the same from face to back. This casting fits neatly into a recess cut into the frame of the door upon its inner face, and the face of the casting should be flush, or nearly so, with the plane of the frame. Perforated ears on the casting furnish means for securing the same to the frame by screws; and beneath the casting, in the recess, I locate a spring, which spring, acting upon proper surfaces of arms pivoted in the slot in the casting, serves to hold the said arms firmly in a closed or open position. When closed, the arms and a vertical bar pivoted to the outer end of each fold down into the slot, flush with the surface of the casting. The arms and the vertical bar compose the staple mentioned.

The spring may be omitted, if desired.

Referring to the drawings, A represents the frame of a door, window, or the like; B, the door or shutter; and C, the removable bar, having perforations *c* and pins c^1, secured to the bar by chains c^2.

D represents a casting, of any desired shape and size, adapted to be received into a recess, A′, cut in the side frames of the door, and it is provided with a longitudinal slot, *d*, and perforated ears *d′*.

E represents an arm, pivoted near the upper end of the slot *d*, and it has an enlarged lower or inner portion, *e*, with right-angled surfaces e^1 e^2, the former tending to hold the said arm open, and the latter to hold it closed by the constant force of a spring, *x*, beneath the casting in the recess A′.

F represents a similar arm, pivoted below in the slot at *f*, and to the outer ends of these arms E and F is pivoted a vertical bar, G, as shown. These arms and bar fold down into the slot when closed.

What I claim as new, and desire to secure by Letters Patent, is—

1. The casting D, having slot *d* and ears *d′*, in combination with the pivoted arm E, having enlargement *e*, with angular faces e^1 e^2, the arm F, pivoted at *f*, and the vertical pivoted arm G, substantially as and for the purpose set forth.

2. The casting D, having slot *d* and ears *d′*, located in the recess A′, and the spring *x*, in combination with the pivoted arm E, having enlargement *e*, with angular faces e^1 e^2, the arm F, pivoted at *f*, and the vertical bar G, pivoted to the ends of E and F, substantially as and for the purposes set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

RICHARD F. LOPER, JR.

Witnesses:

HARRIS PENDLETON,

MOSES A. PENDLETON.