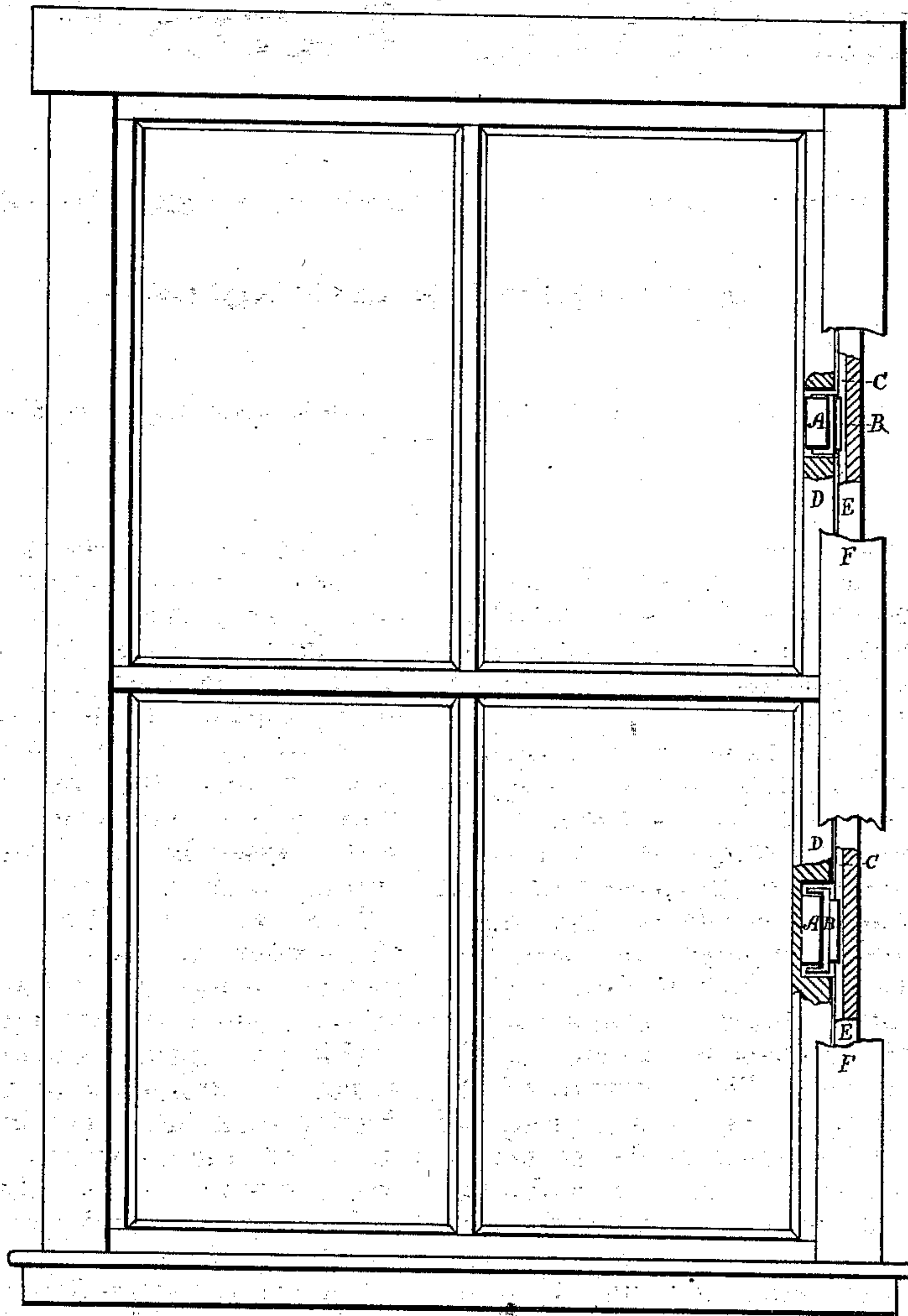


J. M. HORNE  
Sash-Holders.

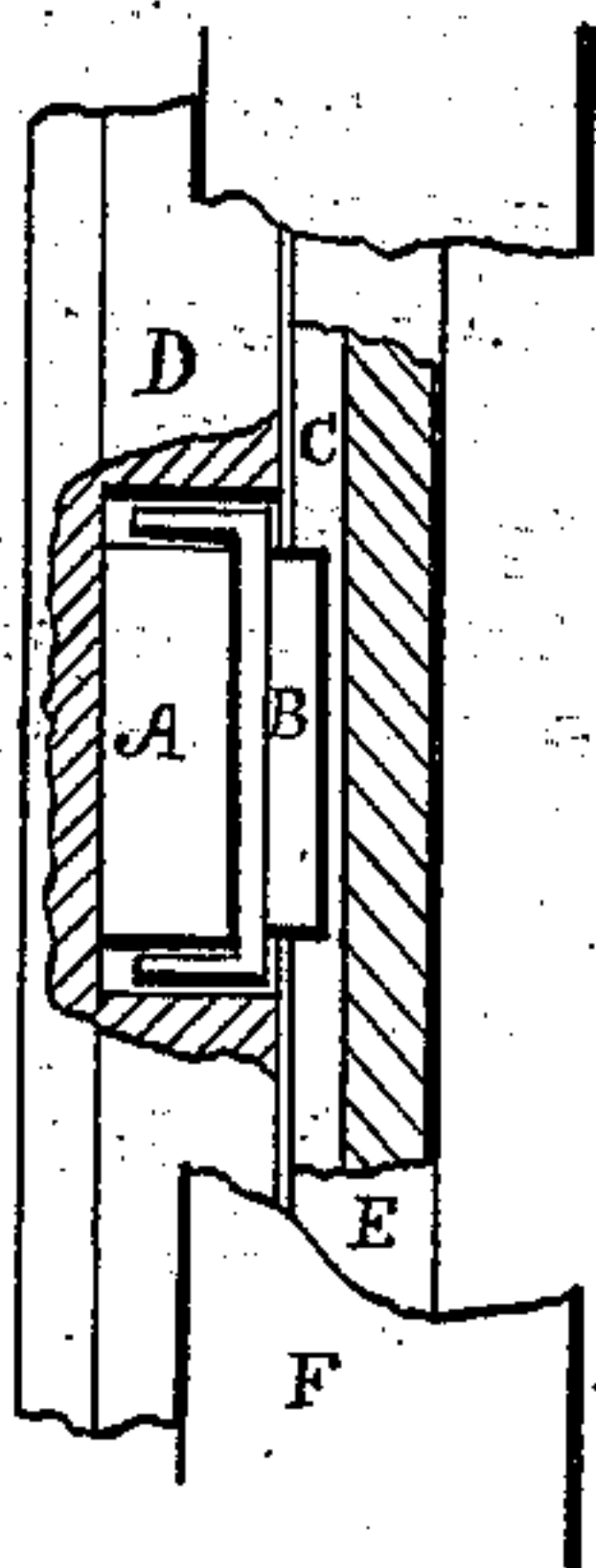
No. 154,482.

Patented Aug. 25, 1874.

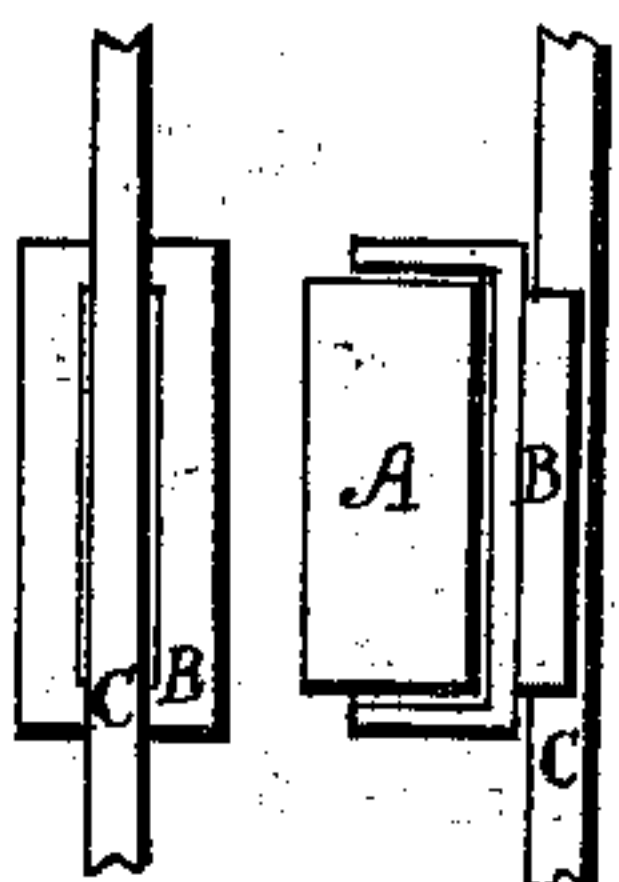
*Fig. 1.*



*Fig. 2.*



*Fig. 3. Fig. 4.*



*Fig. 5.*



*Witnesses.*

*G. E. Riggs*  
*M. H. Ames*

*Inventor.*

*James M. Horne*  
*Per. Chas. D. Moore,*  
*Atty.*

# UNITED STATES PATENT OFFICE.

JAMES M. HORNE, OF LAWRENCE, MASSACHUSETTS.

## IMPROVEMENT IN SASH-HOLDERS.

Specification forming part of Letters Patent No. 154,482, dated August 25, 1874; application filed July 20, 1874.

*To all whom it may concern:*

Be it known that I, JAMES M. HORNE, of Lawrence, in the county of Essex and Commonwealth of Massachusetts, have invented a Sash Holder or Supporter, of which the following is a specification:

The object of my invention is to furnish a cheap and durable friction holder or support for window-sash, which shall be simple in its construction, easy and simple in its application, and effective for the purpose herein set forth. My invention consists in applying to the sash of a window or screen an elastic rubber spring or cushion, which is faced with a metallic armor-plate, fluted to receive a rod or track, which rod or track is fastened to the jamb of the window. The pressure of the spring or cushion upon the track or rod, and upon the jamb of a window, holds the sash at any desired elevation, each in combination with the other, as hereinafter more fully described.

Figure 1 is an elevation of a window, showing my invention as attached to the sash of a window. Figs. 2, 3, 4, and 5 are detail views of my improved supporter on an enlarged scale.

Similar letters indicate the same parts in each of the drawings.

In the drawings, A is the rubber spring; B, the metallic armor or plate, fluted so as to track on the rod C, as shown in Fig. 5; C, the metal rod or track, which is attached to the jamb of a window, and forms a guide for the armor-faced spring B.

In the application of my invention the sash

is mortised or recessed to receive the spring or cushion A and its fluted armor-plate B, the spring being allowed to protrude therefrom sufficiently to hold the sash by its lateral pressure upon the track-rod C, which is securely attached to the window-jamb.

To use my invention it is only necessary to raise or lower the sash when desired to any convenient point, when the friction of the sash, caused by the lateral pressure of the spring, securely holds it at any desired point.

I am aware that it is not new to apply friction-springs to a sash, or to use rubber cushions as springs, and I make no claim, broadly, thereto; but I am not aware that a rubber cushion or spring provided with a metallic armor or plate, fluted as above, and guide or friction rods, have been in use previous to my invention, and constructed for the purpose and under circumstances substantially as hereinbefore described and set forth; therefore,

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

The elastic rubber spring or cushion A, faced with the fluted armor-plate B, in combination with the guide rod or track C, attached, one to the sash, the other to the jamb, in such manner that the fluted armor-plate engages with and slides upon the rod, all substantially as described and shown, for the purpose set forth.

JAMES M. HORNE.

Witnesses:

M. H. AMES,  
CHAS. D. MOORE.