C. P. MIXER.

Improvement in Sash Holders for Car Windows and Blinds.

No. 123,577. Patented Feb. 13, 1872.

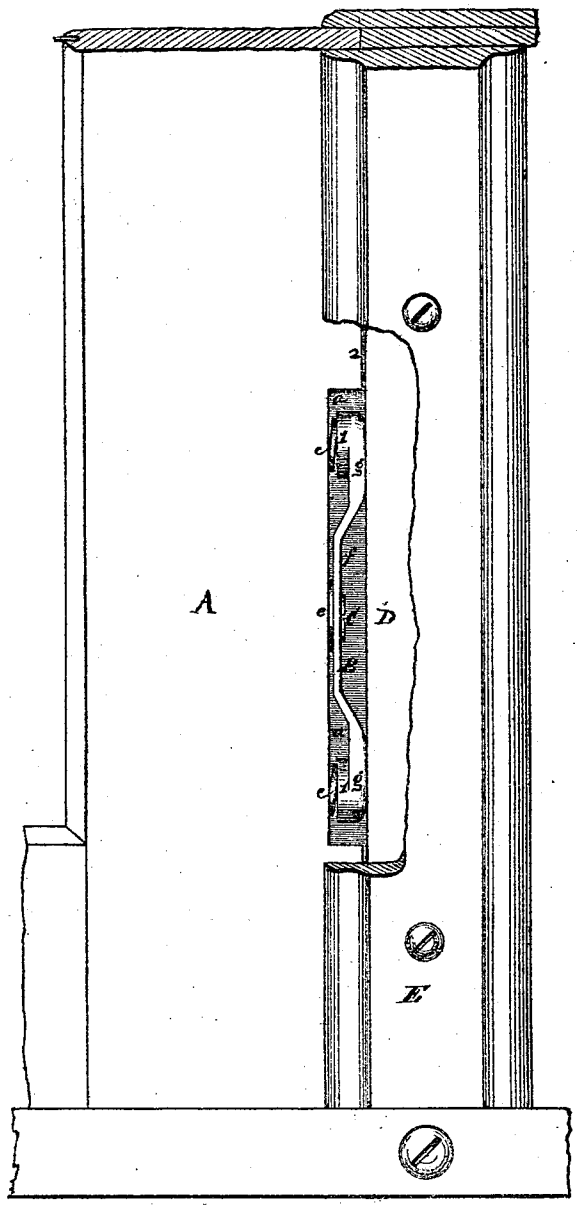

Fig. 1

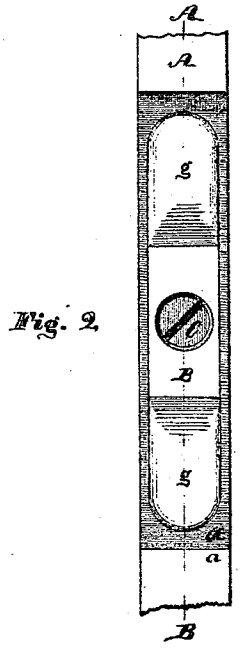

Fig. 2

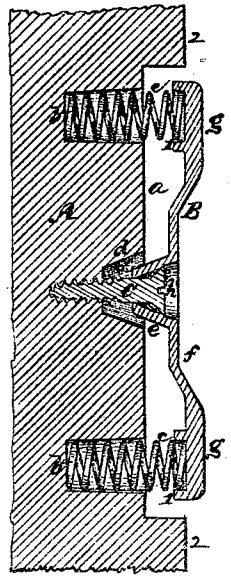

Fig. 3

Witnesses

Thos. H. Dodge

Geo. H. Miller

Inventor

Charles P. Mixer

UNITED STATES PATENT OFFICE.

CHARLES P. MIXER, OF WORCESTER, MASSACHUSETTS.

IMPROVEMENT IN SASH-HOLDERS FOR CAR-WINDOWS AND BLINDS.

Specification forming part of Letters Patent No. 123,577, dated February 13, 1872.

To all whom it may concern:

Be it known that I, CHARLES P. MIXER, of the city and county of Worcester and Commonwealth of Massachusetts, have invented certain new and useful Improvements in Holders for Car-Windows and Blinds and for other purposes; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing forming part of this specification, and in which—

Figure 1 represents a front view of so much of a section of a window-frame and its jamb as is necessary to illustrate my improvements. Fig. 2 represents an edge view of the window-frame or blind with the holder in position and Fig. 3 represents a longitudinal central section on line A B, Fig. 2.

To enable those skilled in the art to which my invention belongs to make and use the same, I will proceed to describe it more in detail.

The nature of my invention consists in the combination, with the blind or sash-frame and the jamb, of a holding device, constructed and operating as hereafter explained.

In the drawing, A represents one side of the sash or blind-frame, which is recessed or cut out, as shown at *a*, with two holes, *b b*, bored in the edge of the frame to receive the spiral spings *c c* A center conical hole, *d*, is also bored in the edge of the frame to receive the conical socket *e* of the metallic friction-plate B, the latter being made with its center depressed or curved in, as shown at *f*, while its ends project out, as shown at *g g*. The friction-plate B is held in position by means of a screw, C, which is passed through the central hole *h* of the conical socket *e* in the plate B, and screwed into the edge of the sash or blind-frame, as indicated in the drawing. Screw C should be turned in so that its head will be within the outer edge 2 of the sash or blind-frame. D represents the jamb of the sash or blind-frame.

It will be seen from the foregoing description, that when the holding device is secured to the sash or blind-frame, and the latter is placed in position, as shown at Fig. 1, the outer sides of the ends *g g* of the holding or friction-plate B will be pressed by the spiral springs *c c* against the inner edge of the jamb of the window or blind-frame, as indicated in Fig. 1, the friction between the holding-plate and the edge of the jamb depending upon the power of the springs employed for forcing out the holding-plate B. As the friction and holding-plate B is forced in, its socket *e* enters the recess *d* formed in the sash or blind-frame, while, by means of the depression *f*, the friction is applied at each end only just opposite the spiral springs *c c*. The screw C, which is held in the socket *e*, prevents any longitudinal movement of the friction-plate, which would tend to cramp or jam it in the recess in which it is held, while at the same time the conical or flaring form of the socket allows the plate to tilt so as to conform readily to the position of the sash-frame or jamb. The springs *c c*, fitting into the holes *b b* in the sash or blind-frame, and also into the sockets 1 1 of the friction and holding-plate, prevent the latter from turning as it is moved up and down with the sash or blind.

By the use of my holding device, combined in the manner shown and described, a car-window or blind can be retained at any desired elevation, thus dispensing with the numerous objectionable and annoying fastenings and catches heretofore used for that purpose.

My holding device is both simple in construction and in operation, and not liable to be injuriously affected by dust or the contraction and expansion of the wood from which the frame A, jamb D, and casing E are made.

I have shown and described my device as applied to a car-window or blind; but it will be apparent to those skilled in the art that it can be employed for other and analogous purposes with good effect.

Having described my improvements in holders for car-windows and blinds and for other purposes, what I claim therein as new and of my invention, and desire to secure by Letters Patent, is—

A sash-holder, composed of the metallic plate B, provided with sockets 1 1 and *e* and depression *f*, in combination with screw C and springs *c c*, said parts being constructed and arranged for joint operation as shown and set forth.

Witnesses: CHARLES P. MIXER.
THOS. H. DODGE,
GEO. H. MILLER.