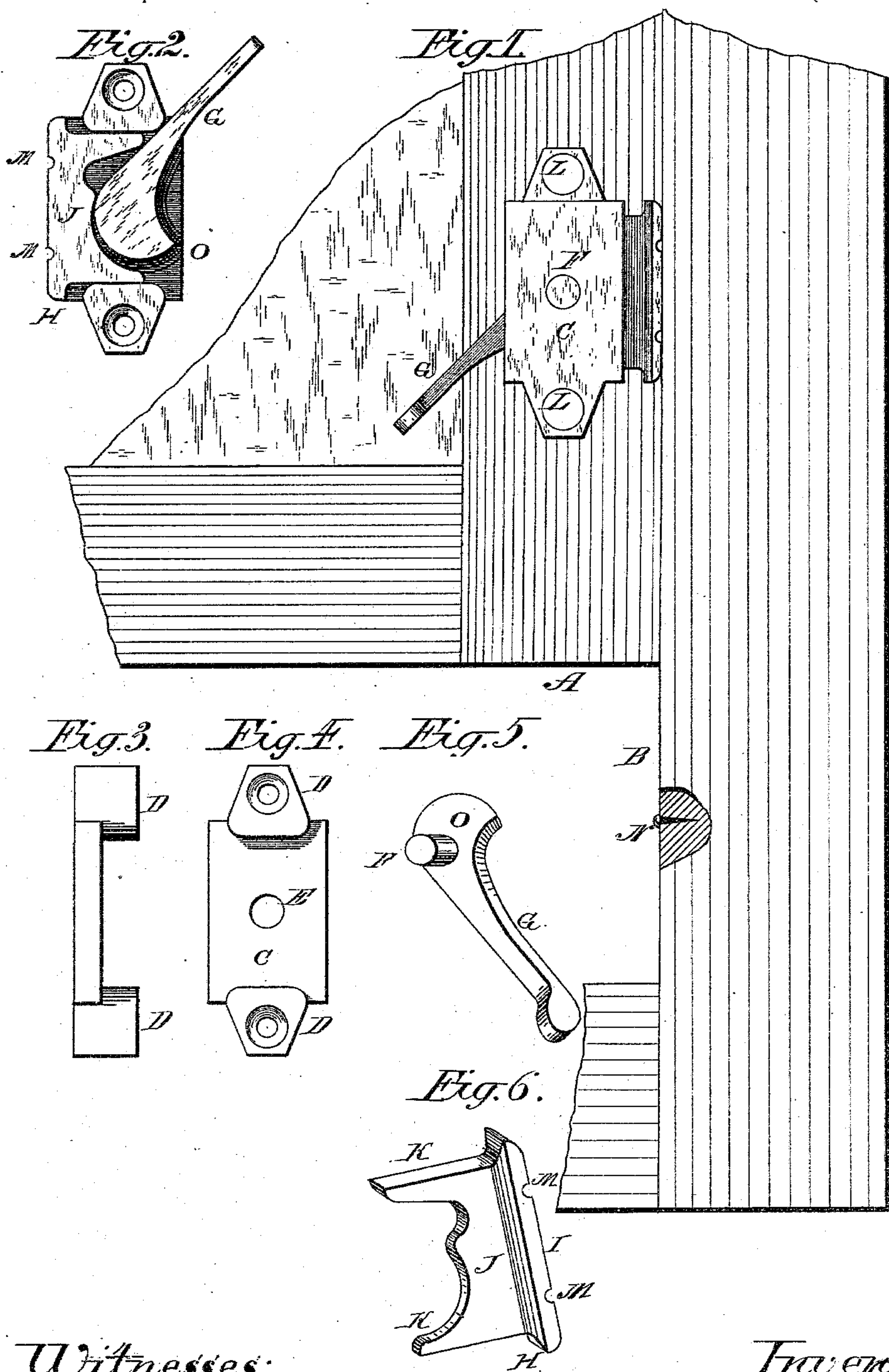


(Model.)

C. E. STELLER.
SASH HOLDER.

No. 288,273.

Patented Nov. 13, 1883.



Witnesses:
C. B. Story.
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UNITED STATES PATENT OFFICE.

CHARLES E. STELLER, OF MILWAUKEE, WISCONSIN.

SASH-HOLDER.

SPECIFICATION forming part of Letters Patent No. 288,273, dated November 13, 1883.

Application filed May 1, 1883. (Model.)

To all whom it may concern:

Be it known that I, CHARLES E. STELLER, a citizen of the United States, residing at Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Sash-Fasteners; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in sash-fasteners, and pertains to the peculiar construction of the parts, whereby they are held in operative contact between the inclosing cap and stile by contact with such parts, without screws or rivets.

My invention is further explained by reference to the accompanying drawings, in which Figure 1 represents a front view of my fastener in position for holding the sash. Fig. 2 is a rear view, showing the relative arrangement of the parts. Fig. 3 is a side view, and Fig. 4 a rear view of the retaining-cap with the operative parts removed. Fig. 5 is a perspective view of the cam-lever, and Fig. 6 is a perspective view of the friction-bearing which supports the sash.

Like parts are represented by the same reference-letters throughout the several views.

A is the window-stile.

B is the window-casing.

C is the retaining-cap. The cap C is provided with supporting-shoulders D D, cast thereon, and hole E, cast therein, said hole being for the reception of pintle F, formed on one side of the cam-lever G.

The friction-block H is provided with a broad smooth bearing-surface, I, which projects at right angles forward, above and below the plate J, whereby said bearing-surface, when in contact with the casing, prevents the friction-block from moving laterally in the cap.

K K are arms formed on the friction-block,

which have bearings within the cap C, against the shoulders D D, and serve to support said block when pressed outward by the cam-lever. The rear surface of the friction-block H and arms K K are in line with each other, and are adapted to bear against the front smooth surface of the stile. The cap, with the operative parts contained therein, is secured to the stile by ordinary screws, L L. The face of the friction-bearing I is provided with one or more grooves, M M, to increase its friction, and for the reception of the head of the retaining-pin N, whereby the sash is more securely fastened when closed.

As shown in Fig. 2, the friction-block H is released from pressure of the cam O as the lever G is raised, and is pressed against the sash as said lever is pressed downward.

The inner edge of the plate J is shaped to conform to the shape of the cam, so that the point of contact of said cam with said bearing, when said lever is down, is brought in a direct line between the pintle F and the center of the friction-bearing, whereby the resistance of the casting to the cam is brought directly against the pintle, and such resistance has no tendency to raise said cam-lever or release the cam.

I am aware that heretofore window-sash have been held in place by a sliding friction-block actuated by an eccentric lever within a retaining-plate, as shown in Patent No. 160,712, dated March 9, 1875, and Patent No. 64,160, dated April 23, 1867. I therefore do not broadly claim such device as my own.

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

1. In that class of sash-holders having a movable friction-block actuated by a cam-lever, the plate J, having horizontal retaining-arms K K, and friction bearing-block H, projecting above, below, and in front of said plate, in combination with lever G, provided with rigidly-fixed pintle O, and plate C, provided with supporting-shoulders D D and pintle-hole E, said arms K and shoulders D being adapted to support said block when extended from said cap, said pintle being adapted

to retain said lever in said cap in contact with said plate, all substantially as and for the purpose specified.

2. In a sash-fastener, the friction-block H,
5 provided with friction bearing-surface I, provided with one or more retaining-grooves, M, in combination with retaining-plate C, stile A, and stop N, adapted to fit into grooves M,

and cam-lever G, substantially as and for the purpose specified.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES E. STELLER.

Witnesses:

JAS. B. ERWIN,

H. W. WILSON.