(No Model.)

M. CHÈVREMONT.

SASH FASTENER.

No. 301,804. Patented July 8, 1884.

Fig. 1.

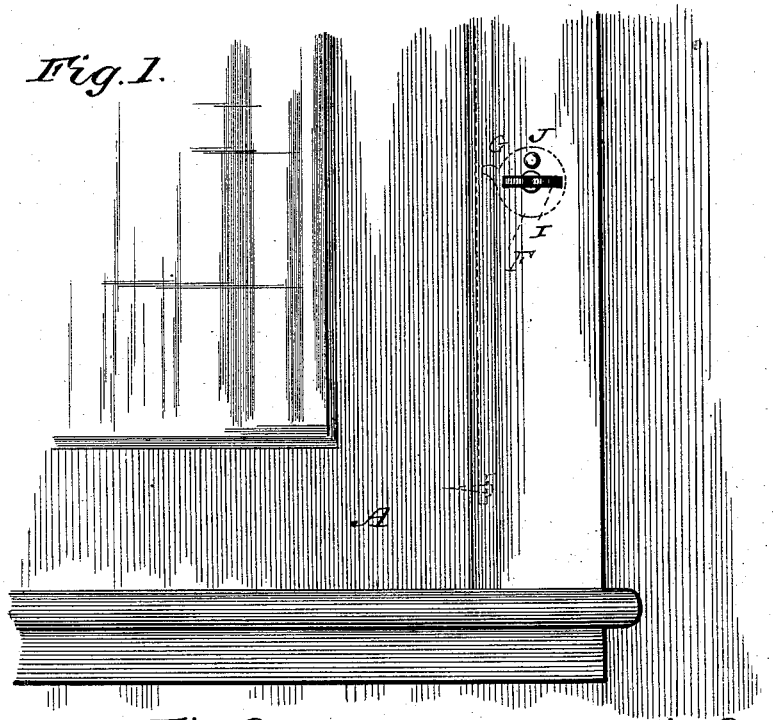


Fig. 2.

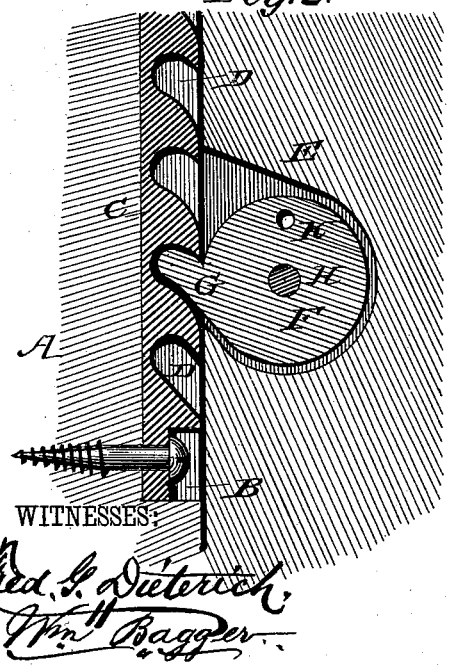
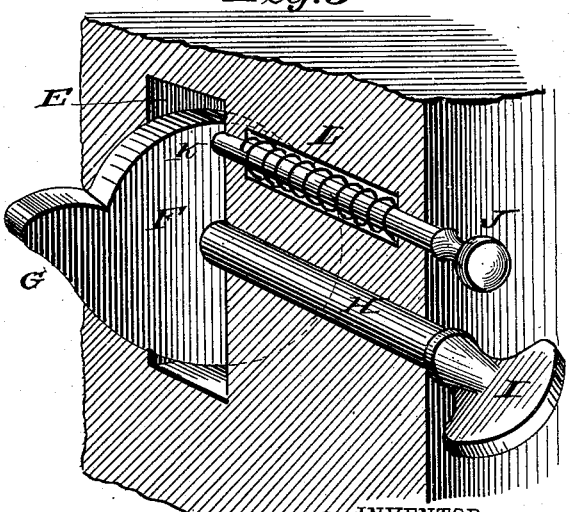


Fig. 3.



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UNITED STATES PATENT OFFICE.

MARIE CHÈVREMONT, OF WASHINGTON, DISTRICT OF COLUMBIA.

SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 301,804, dated July 8, 1884.

Application filed May 17, 1884. (No model.)

To all whom it may concern:

Be it known that I, MARIE CHÈVREMONT, a citizen of the Republic of France, and a resident of the city of Washington, in the District of Columbia, have invented certain new and useful Improvements in Locks or Fasteners for Window-Sashes; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a front view of a portion of a window frame and sash to which my invention has been applied. Fig. 2 is a vertical sectional view taken through the lower end of the window frame and sash; and Fig. 3 is a perspective view showing my invention in position, parts of the window-frame having been broken away in order to better illustrate the device.

The same letters refer to the same parts in all the figures.

This invention relates to locks or fasteners for window-sashes; and it has for its object to produce a device which shall enable the window-sash to be easily raised and sustained at any desired position, and in which provision shall be made for locking the sash in any position to which it may be adjusted.

To this end the invention consists in the improved construction and arrangement of parts, which will be hereinafter fully described, and particularly pointed out in the claim.

A designates the window-sash, which is provided with a groove, B, formed in one of its sides or edges, and adapted to receive a metallic bar or strip, C, which is provided with a series of upwardly inclined or beveled notches, D D. The window frame or casing is provided at any suitable point with a recess or opening, E, in which is pivoted a disk, F, having an outwardly-extending tongue or cam, G, adapted to engage any one of the notches D in the strip C. The latter may extend throughout the entire length of the sash, or only for a portion of the same, as may be desired. It will be seen that when the sash is raised the beveled notches D will throw the lug or cam G back into the recess E, thus enabling the sash to be raised to the required height. When this has been attained and the sash is released, the cam G will, by its own gravity, drop back into the notch D, with which it registers at the time. The disk F is mounted upon a shaft, H, which extends through the window frame or casing, and is provided with a handle, I, by means of which it may be conveniently turned. I would have it understood, however, that the said handle may be detachable from the stem or axle, so as to form a detachable key, by means of which the disk may be manipulated, as will be presently described.

J is a latch or bolt sliding in a suitable recess formed in the window frame or casing, and adapted to engage an opening, K, in the disk or sash-fastener F, against which it is forced by the action of a suitably-arranged spring, L.

I have already stated how the window-sash may be raised and sustained at any desired elevation. It will be seen, however, that before this can be done it will be necessary to withdraw the bolt or latch J sufficiently to release the cam-disk F. When the sash has been adjusted at the desired position, and the cam drops into engagement with one of the notches D, the bolt J will automatically engage the opening K, thereby locking the disk in position, and preventing the position of the sash from being changed until the bolt or latch is again withdrawn.

It is frequently desirable to adjust window-sashes to such a position that ventilation shall be insured without leaving the sash so wide open as to admit of the entrance of mischievous persons. Sashes as ordinarily constructed, even though they may be provided with locking devices, are not generally so arranged as to admit of their being locked at any position to which they may be adjusted. By this invention the sash may be raised or opened any desired distance, and be locked in such position with absolute security.

It is obvious that this invention is susceptible of numerous modifications with regard to the construction and arrangement of details. Thus, for instance, the strip C, instead of being provided with the beveled notches D,

might be simply serrated or corrugated, in which case, of course, the cam G of the disk F would have to be correspondingly modified, so as to present a simple tooth adapted to engage the strip. I would also state that the device may be applied to either side of the sash or to both sides.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

In a sash-fastener, the combination of the gravitating cam-disk pivoted in the window-frame, having an outwardly-extending tongue or cam, G, an eccentric perforation, and a handle or key for turning it, the spring-latch adapted to be forced into the perforation in the cam-disk, and the notched or serrated strip embedded in the side rail of the sash, as and for the purpose shown and set forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

MARIE CHÈVREMONT.

Witnesses:

LOUIS BAGGER,

WM. SECHER.