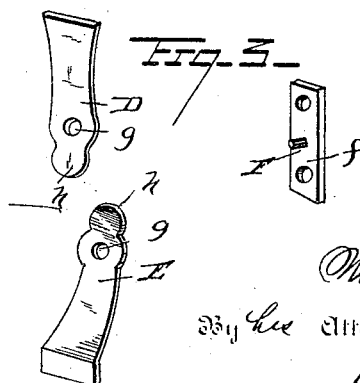
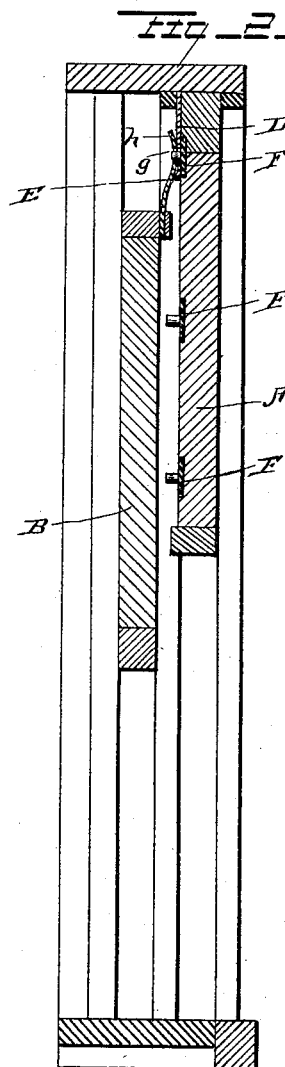
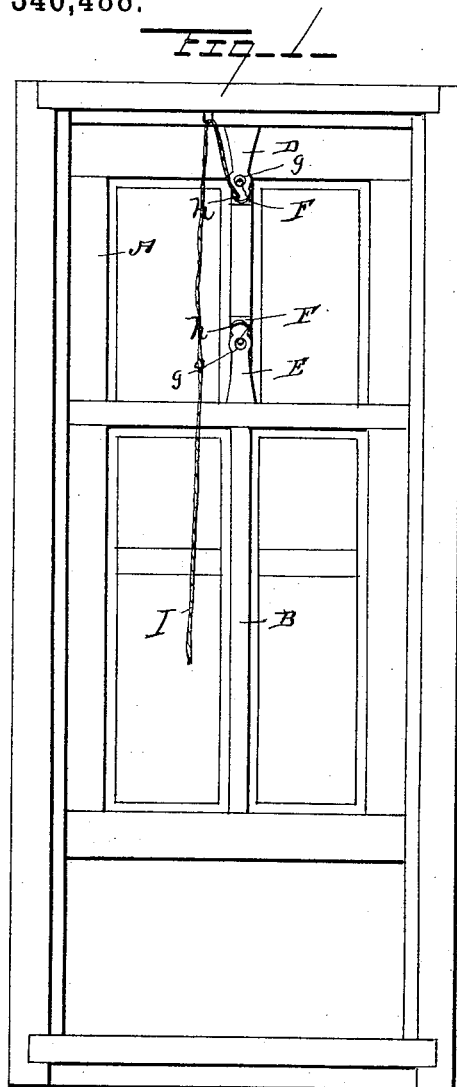


(No Model.)

M. MASER.  
SASH FASTENER.

No. 346,488.

Patented Aug. 3, 1886.



Witnesses

Wm. F. Rice.  
J. H. Perkins

Inventor

Michael Maser

By the Attorney

C. A. Snow & Co.

# UNITED STATES PATENT OFFICE.

MICHEAL MASER, OF MOUNT CARMEL, ILLINOIS.

## SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 346,488, dated August 3, 1886.

Application filed June 2, 1886. Serial No. 203,946. (No model.)

*To all whom it may concern:*

Be it known that I, MICHEAL MASER, a citizen of the United States, residing at Mount Carmel, in the county of Wabash and State of Illinois, have invented a new and useful Improvement in Sash-Fasteners, of which the following is a specification.

My invention relates to improvements in sash-fasteners; and it consists of the peculiar construction and arrangement of the various parts for service, substantially as hereinafter fully set forth, and particularly pointed out in the claim.

The object of my invention is to provide a sash-fastener which shall be simple, strong, and durable in construction, easily and readily applied to the sash by an unskilled person, thoroughly effective in operation, and cheap and inexpensive in manufacture.

A further object of my invention is to provide an improved sash-fastener, whereby the upper or lower sash of a window can be lowered or raised to any desired elevation to permit the admission of air above or below the sashes, and which shall be concealed from view from the outside of the house or building, so that evil-disposed persons cannot have easy access to the device to effect an entrance into the building through the window.

In the accompanying drawings, which illustrate a sash-fastener embodying my invention, Figure 1 is a front elevation. Fig. 2 is a vertical central sectional view through the device. Fig. 3 is a detailed perspective view of the parts of my improvements.

Referring to the drawings, in which like letters of reference denote corresponding parts in all the figures, A designates the upper, and B the lower, sash of a window to which my improved sash-fastener is applied.

My invention consists, essentially, of two yielding arms, D and E, applied to the upper horizontal cross bar or piece of the window-frame and the upper rail of the lower sash, B, and a series of pins or projections, F, spaced apart on and carried by the upper sash, A, as shown. The yielding arms D and E are made of spring metal or tempered steel of the required elasticity, and each of the arms is provided at its free end with an opening or slot, *g*, and a bent or inclined lip, *h*. The opposite end of the arm is secured to the sash or

the window-frame by screws or other suitable fastening devices, and the free end of the arms are inclined so that they lie in the path of movement of the projections of the upper sash, A, so that when either of the sashes is moved vertically the lips *h* of the arms will ride over the point or extremity of the projection until the slot or opening *g* comes in line with the projection, whereby the spring-arm will be forced inwardly to cause the projection to enter the opening or slot thereof, and thus lock or retain the sash against vertical movement. The projections or pins F are cast in a single piece of metal with a base-plate, *f*, and this plate *f* is secured to the middle muntin of the upper sash, A, by means of screws or the like. The spring-arm E is secured to the middle of the upper rail of the lower sash, the arm D is secured to the frame of the window at the middle thereof, and the series of projections or pins are secured on the middle muntin of the upper sash, and by means of the peculiar arrangement of the various parts of my improved sash-fastener at the middle of the window and the sashes thereof the sashes are hung centrally and prevented from sagging when they are held in an elevated or lowered position to open the window, and the said devices are also hid or concealed from view, so that their location cannot be easily determined by a person from the outside of the building. When the upper sash is closed, the upper pin or projection thereof enters the opening or slot of the arm D, and is thereby locked against further movement, and the lowermost projection F of the said upper sash enters the opening of the arm E, and is thus prevented from being raised or elevated by a person from the outside, both of the sashes being locked in position. When the upper sash is to be lowered, the arms D and E are disengaged from the projections F, and the sash A descends to the required extent. If it be only half-way lowered, the arm E engages with the middle projection or pin, and thus allows free circulation of air above the upper sash. When the upper sash is closed and the lower sash elevated about half-way, the arm E, that is carried by the said lower sash, again engages with the middle pin or projection, F, and if the said lower sash is raised to entirely clear the lower edge of the upper sash the bent lip *h* of the arm E rides over the similar lip of the arm D,

and the projection or pin F at the upper end of the upper sash enters the slot or opening of the arm E, and thus locks the lower sash in its elevated position and against further vertical movement.

To permit the ready operation of the upper spring-arm, D, by a person standing on the floor, and without requiring him to stand on a chair or other elevated position, the said arm may be provided with a cord or other like flexible or pliable means, as I, which depends from the upper extremity of the window-frame within easy reach of the floor. The arms and the pins are to be finished in any suitable manner—as, for instance, by nickel-plating them—and they can be manufactured for a very small sum, and are easily and readily applied upon the window frame and sashes.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a sash-fastener, the combination of the pins or projections F, having the base-plates, and secured on and carried by the upper sash of a window, an arm, D, secured rigidly to the upper rail of the window-frame and lying in the path of the projections on the upper sash, and a similar arm, E, secured on and carried by the lower sash of the window, and likewise arranged in the path of the projections F, both of the arms D and E being made of spring metal and provided with a transverse opening or slot, and an inclined lip at their free ends, the whole combined and arranged substantially as specified.

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

MICHEAL MASER.

Witnesses:

WM. BIRKETT,  
GEO. T. MARX.