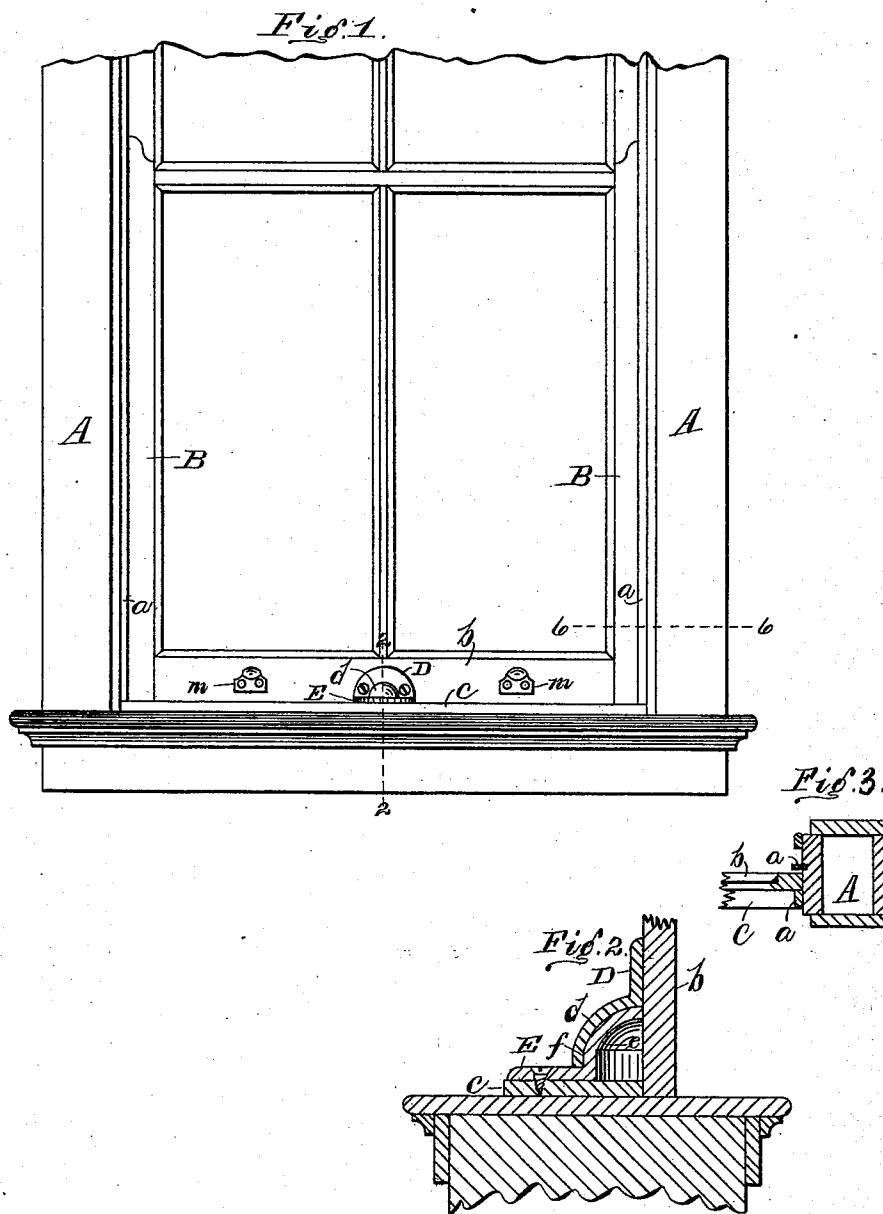


(No Model.)

J. H. FOOTE.
SASH FASTENER.

No. 524,379.

Patented Aug. 14, 1894.



Witnesses
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UNITED STATES PATENT OFFICE.

JAMES H. FOOTE, OF CINCINNATI, OHIO.

SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 524,379, dated August 14, 1894.

Application filed April 23, 1894. Serial No. 508,706. (No model.)

To all whom it may concern:

Be it known that I, JAMES H. FOOTE, a citizen of the United States, residing at Cincinnati, Hamilton county, State of Ohio, have invented a certain new and useful Improvement in Sash-Fasteners, of which the following is a specification, reference being had to the accompanying drawings.

The object of my invention is to provide a suitable device to be attached to the bottom sill of a window-frame to co-act with another device attached to the bottom stile of a window-sash, said two devices being so constructed and attached to said frame and sash as that the latter will be automatically drawn up tightly, at its bottom portion, against the side wall of the vertical grooves in said frame when said sash is lowered to place, as will more fully hereinafter appear.

In the accompanying drawings:—Figure 1, is a front elevation of the lower portion of a window-frame and sash provided with my improved fastening device. Fig. 2, is an enlarged sectional view taken on dotted line 2, 2, of Fig. 1. Fig. 3 is a transverse section on dotted line 6, 6, of Fig. 1.

In the drawings, the window-frame is indicated by A, said frame being shown as provided with the usual sash-strips *a*, *a*,—the space between the latter providing a groove within which the sash, B, is moved up or down. C, represents a strip upon the bottom or sill portion of the window-frame against which the lower stile, *b*, of the sash is adapted to impinge.

The construction thus far described is the same as that found in any ordinary window-frame and sash, my invention being applicable to any style or configuration of frame having a movable sash.

My invention consists, preferably, of a plate, D, attached to the lower stile *b* of the sash, and a plate, E, attached to the lower portion of the window-frame, each of said plates having, respectively, the flanged portions *d* and *e*, the former overlapping the latter when the sash is lowered, as more clearly shown in Fig. 2. These flanges are preferably formed semi-conical for a greater portion of their length, excepting the free end portion of flange *d* and the base of flange *e*, which por-

tions are preferably made straight in vertical section, as shown at *f*, in Fig. 2, for the purpose hereinafter stated.

The operation of my improved sash-fastener is quite simple and effective. The flanged plates D and E are so attached to the frame and sash, respectively, that when the latter is lowered, the concave portion of flange *d* will slide down over the convex portion of flange *e*, which action tends to draw the lower portion of the sash inward tightly against the inner side strips, *a*, and the bottom strip C, thus rendering that portion of the window comparatively air-tight, and at the same time preventing the sash from rattling. The straight vertical portions, *f*, of the two flanges, tend to securely hold the sash in position until released by an upward pressure upon the hand-holds *m*, or other portion of the sash.

The advantage of my invention is quite apparent, operating as it does to hold the lower portion of a sash tightly against its strips to prevent rattling, &c., which operation is accomplished automatically by the lowering of the sash itself. The devices for accomplishing the aforesaid results are cheap of manufacture, and are readily applied to any ordinary window having a movable sash.

While it is preferred to construct the locking-plates with flanges or projections of a configuration substantially semi-cone-shaped, said flanges may be of any other desired operative configuration.

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

1. As a new article of manufacture, a sash-fastener consisting of the two plates D and E having, respectively, the flanges *d* and *e*, for the purposes specified.

2. A grooved window-frame having a sash mounted within the grooves of said frame, the sill of said frame having the plate E and flange *e* attached thereto, and plate D having the flange *d* attached to the lower stile of said sash, a portion of each flange being formed straight in a vertical plane, substantially as set forth.

JAMES H. FOOTE.

Witnesses:

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