O. W. NOBLE.

Sash-Fasteners.

No. 143,026. Patented September 23, 1873.

Fig. 1

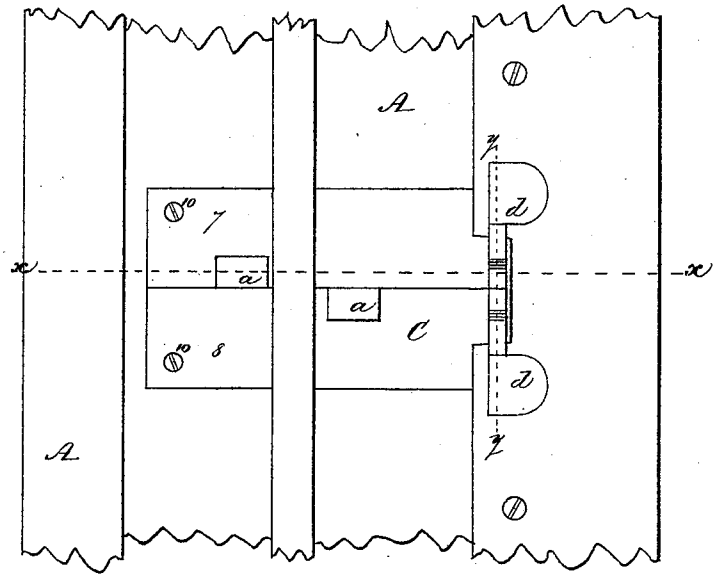


Fig. 5

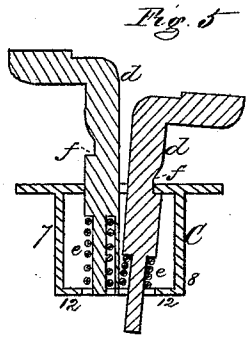


Fig. 2

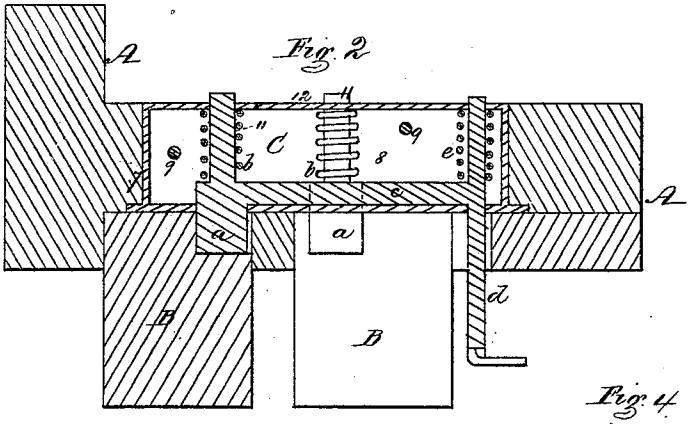


Fig. 4

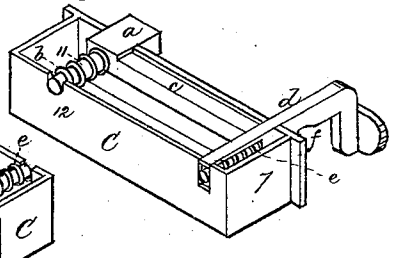
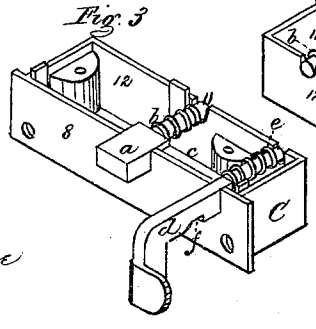


Fig. 3



Witnesses
W. J. Cambridge
L. Earl

Inventor
Oscar W. Noble
per Taschemacher & Stearns
Attorney.

AM. PHOTO-LITHOGRAPHIC CO. N.Y. (OSBORNE'S PROCESS)

UNITED STATES PATENT OFFICE.

OSCAR W. NOBLE, OF WAKEFIELD, MASSACHUSETTS, ASSIGNOR TO HIMSELF AND JAMES W. HARNDEN, OF SAME PLACE.

IMPROVEMENT IN SASH-FASTENERS.

Specification forming part of Letters Patent No. **143,026**, dated September 23, 1873; application filed August 23, 1873.

To all whom it may concern:

Be it known that I, OSCAR W. NOBLE, of Wakefield, in the county of Middlesex and State of Massachusetts, have invented certain Improvements in Sash-Supporters, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings making part of this specification, in which—

Figure 1 is an elevation of a portion of one side of a window-frame having my improved sash-supporter applied thereto. Fig. 2 is a horizontal section on the line *x x* of Fig. 1, showing also a portion of the side of each window-sash. Figs. 3 and 4 are perspective views of the two halves of my sash-supporter detached. Fig. 5 is a vertical section on the line *y y* of Fig. 1.

This invention consists in a simple and effective sash-supporter, in which the bolt can be pressed back against the resistance of its spring and locked so as to leave both hands free to raise the sash, the supporter being provided with a single bolt only, or with two independent bolts, one for each sash.

To enable others skilled in the art to understand and use my invention, I will proceed to describe the manner in which I have carried it out.

In the said drawings, A represents one side of the window-frame; and B B, Fig. 2, the ends of the sashes which slide therein. Within a suitable recess cut in the frame A is fitted the sash-supporter C, the casing of which is formed in two portions, 7 8, as seen in Figs. 3 and 4. These portions are secured together by means of screws 9, and are each provided with a face-plate, which is let into the window-frame, the supporter being held in place by screws 10. Within each of the portions 7 8 is placed a bolt, *a*, the rectangular portion of which slides in an opening in the face-plate, while the round portion 11 slides in an opening in the back plate 12 of the casing, the bolt being thrown out into the position seen in Fig. 2 by a spiral spring, *b*, surrounding the portion 11. From the side of each bolt *a* projects an arm, *c*, which is connected with a thumb-piece, *d*, which slides in slots or openings in the casing, and is surrounded between the arm *c* and the back plate 12 by a spiral spring, *e*, against the resistance of which and the spring *b* the bolt is forced back by the pressure of the thumb against the outer flattened end of the piece *d* when it is desired to raise the sash. These thumb-pieces are placed one beneath the other, and each one is provided with a notch, *f*, which, when the bolt is withdrawn, is pressed or hooked under the edge of the slot in the face-plate, by which means the bolt is locked when pressed back, as seen in Fig. 5, thus leaving both hands free to start or raise the sash in case it should stick; whereas it has heretofore been necessary to keep the bolt back out of the notch in the sash with one hand, while the force of the other hand was used to start the sash, the strength thus exerted being often found insufficient for the purpose, and necessitating the united efforts of two persons—one to hold back the bolt and the other to raise the sash.

When the bolt is to be released it is merely necessary to move the thumb-piece *d* vertically in the slot in the face-plate in order to disengage the notch *f*, when the bolt will be thrown out by its spring or springs.

The bolt in the portion 7 of the casing is used to support the top sash, while the bolt in the portion 8 is employed for the lower sash.

The above-described sash-supporter having both bolts inclosed within a single casing is simple and compact, and may be readily applied to the window-frame; and it will be seen that the thumb-piece of the top sash-bolt being in front of the lower sash is accessible at all times; whereas it has heretofore been placed in such a position that it could not be reached when the lower sash was raised.

I do not, however, confine myself to the use of a double supporter having two bolts—one for each sash—as a supporter provided with a single bolt only may be used for each

sash, if desired, the thumb-piece having a suitable notch or catch for locking the bolt when pressed back, as above described.

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

The thumb-piece *d*, passing through the face-plate of the casing, and provided with a notch or catch, in combination with the arm *c*, bolt *a*, and its spring or springs, all constructed and operating substantially as and for the purpose set forth.

Witness my hand this 16th day of August, A. D. 1873.

OSCAR W. NOBLE.

In presence of—
FRANK W. HAYDEN,
G. N. LITTLEFIELD.