

C. W. PENFIELD.

SASH FASTENER.

No. 190,074.

Patented April 24, 1877.

Fig. 1.

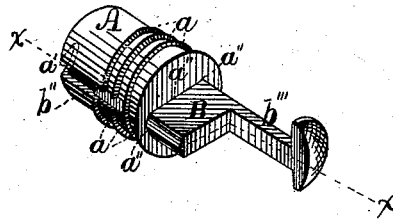


Fig. 2.

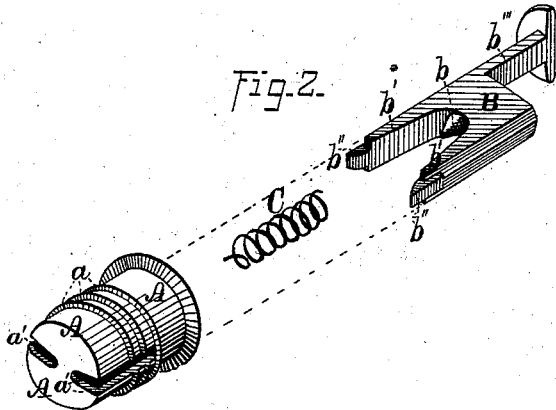
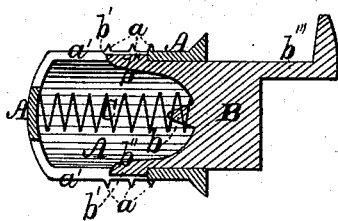


Fig. 3.



WITNESSES:

Geo. G. Hutchinson.
Henry G. Hazard.

INVENTOR.

Chas. W. Penfield, by
Orindle & Co. his atty.

UNITED STATES PATENT OFFICE.

CHARLES W. PENFIELD, OF NEW BRITAIN, CONNECTICUT.

IMPROVEMENT IN SASH-FASTENERS.

Specification forming part of Letters Patent No. 190,074, dated April 24, 1877; application filed April 6, 1877.

To all whom it may concern:

Be it known that I, C. W. PENFIELD, of New Britain, in the county of Hartford, and in the State of Connecticut, have invented certain new and useful Improvements in Sash-Stops; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, making a part of this specification, in which—

Figure 1 is a perspective view of my improved fastener. Fig. 2 is a like view of the parts composing the same separated from each other, and Fig. 3 a central longitudinal section of said fastener.

Letters of like name and kind refer to like parts in each of the figures.

The design of my invention is to increase the efficiency and ease of operation of sash-fasteners which are secured within the jamb of a window, and engage with the side edge of a sash; and it consists in the peculiar construction of the casing or shell and the bolt, and their combination with each other, substantially as and for the purpose hereinafter specified.

In the annexed drawing, A represents the casing of my device, which has the form of a hollow cylinder, and upon its periphery is provided with a screw-thread, *a*, by means of which said casing is secured within a corresponding opening that is provided in the jamb of a window.

Within opposite sides of the casing A are provided two radial slots, *a'*, which have a width of about one-eighth of an inch, and extend longitudinally from the inner end of said casing about two-thirds the distance to its outer end, while within said end is provided an oblong slot, *a''*, that is in a line radially with said slots *a'*.

Within the slot *a''* is loosely fitted a bolt, B, which has the form shown in Figs. 2 and 3, and is capable of longitudinal motion within said slot. Upon its inner end said bolt is provided with a central stud, *b*, and at each

edge has an arm, *b'*, which extends inward in a line with the body of said bolt, and at its edge is provided with a lug, *b''*, that extends laterally outward into the contiguous slot *a'*. A longitudinal arm, *b'''*, extends outward from the outer end at one edge of said bolt, and at its end is enlarged, as shown.

A spiral spring, C, placed around the stud *b*, and extending between the inner end of the bolt B and the corresponding end of the casing A, holds said bolt at the outer limit of its motion with a yielding pressure.

It will be seen that the arms *b'*, with their lugs *b''*, perform the double office of guides for causing the bolt B to maintain a position in line with the axis of the casing A, and of stops to limit the longitudinal motion of said bolt, the impingement of said arms against the inner end of said casing arresting motion in such direction, while the contact of said lugs with the outer ends of the slots *a'* limits the outward motion of said bolt.

In the construction of the fastener the bolt B is formed with its arms *b'* bent inward sufficiently to permit the lugs *b''* to pass through the slot *a''*. After said bolt is in position within said casing, said arms are bent laterally outward until said lugs are in place within said slots.

Having thus fully set forth the nature and merits of my invention, what I claim as new is—

As an improvement in sash-fasteners, the casing A, provided with the peripheral screw-head *a*, and slots *a'* and *a''*, the bolt B, having the prong *b*, arms *b'*, lugs *b''*, and arm *b'''*, and the spiral spring C, said parts being constructed and combined in the manner and for the purpose substantially as specified.

In testimony that I claim the foregoing I have hereunto set my hand this 31st day of March, 1877.

CHAS. W. PENFIELD.

Witnesses:

LOREN D. PENFIELD,
HENRY NASH.