

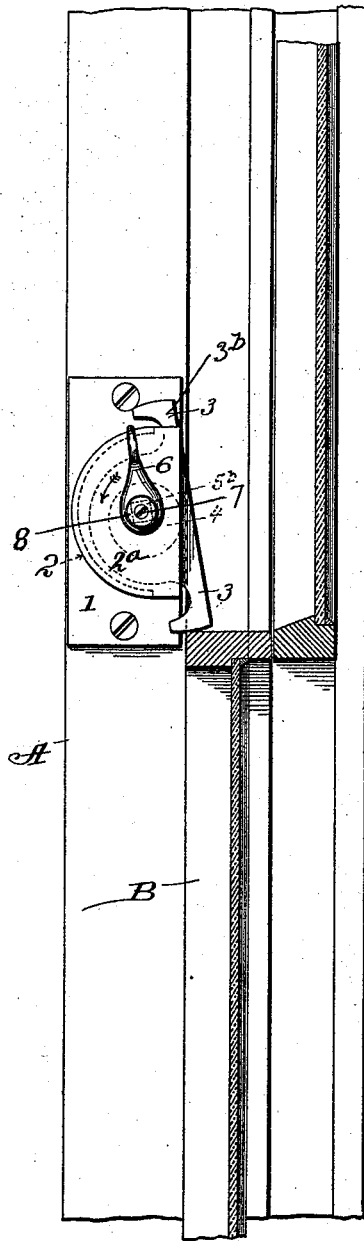
(No Model.)

N. JOHNSON.  
SASH FASTENER.

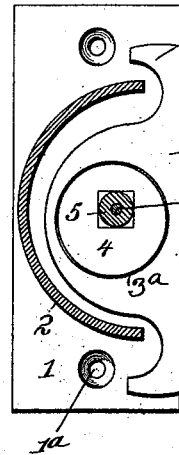
No. 523,530.

Patented July 24, 1894.

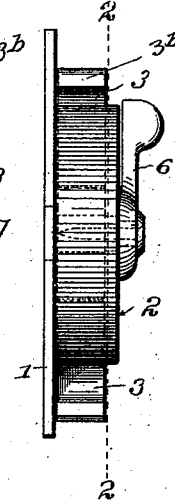
*Fig. 1.*



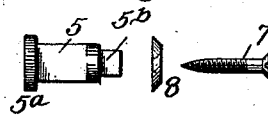
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



Witnesses:  
Andrew Sand.  
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Inventor:  
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# UNITED STATES PATENT OFFICE.

NELS JOHNSON, OF CHIPPEWA FALLS, WISCONSIN.

## SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 523,530, dated July 24, 1894.

Application filed October 18, 1893. Serial No. 488,664. (No model.)

*To all whom it may concern:*

Be it known that I, NELS JOHNSON, a citizen of the United States, residing at Chippewa Falls, in the county of Chippewa and State of Wisconsin, have invented certain new and useful Improvements in Sash-Fasteners; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in sash fasteners; and it has for its general object to provide an exceedingly cheap and simple fastener adapted to engage and securely lock a sash without scratching, indenting or otherwise marring the appearance of the same.

With the foregoing end in view, the invention will be fully understood from the following description and claim when taken in connection with the accompanying drawings, in which—

Figure 1, is a view illustrating my improved fastener as connected to a window casing and adjusted to lock the lower sash in its closed position. Fig. 2, is a sectional view of the fastener, taken in the plane indicated by the line 2, 2, of Fig. 1. Fig. 3, is an end elevation of the fastener, and Fig. 4, comprises views in elevation of the crank shaft and the screw and washer for fixing the crank on the same.

Referring by letters and numerals to said drawings:—A, indicates a window casing which may be of the ordinary construction.

B, indicates a sliding sash, and 1, indicates the body plate of my improved fastener which is provided with apertures as 1<sup>a</sup>, for the passage of attaching screws through the medium of which it is connected to one of the side stiles of the window casing, as illustrated. This body plate 1, and the curvilinear wall 2, and cap plate 2<sup>a</sup>, form a casing for the adjustable sash engaging shoe 3, which is provided with a circular aperture 3<sup>a</sup>, to receive the eccentric 4. The said eccentric 4, is mounted on the angular portion 5, of a shaft 5<sup>a</sup>, which is journaled in the body plate 1, and cap plate 2<sup>a</sup>; and the said shaft is provided at its outer end with a squared portion 5<sup>b</sup>, to

receive shoe adjusting crank 6, which is preferably secured in position by the screw 7, and the washer 8, in the manner illustrated.

The sash engaging shoe 3, is preferably of the configuration illustrated in Figs. 1, and 2, so as to present a large surface to the side bar of the sash when it is moved into engagement with the same, and it is preferably provided with the broad ends 3<sup>b</sup>, so as to enable it to engage the upper cross bar of the sash when the same is in its closed position and the lower cross bar when the sash is at its greatest elevation. Said shoe is designed and adapted to be adjusted through the medium of the crank or finger piece 6, and it will be readily perceived that when said crank or finger piece is moved in the direction of the arrow (see Fig. 1), the shoe will be moved into engagement with the sash and when it is moved in a direction opposite to that indicated the shoe will be drawn away from the sash. By reason of the large surface which the shoe presents to the side bar of the sash when it engages the same, it is enabled to securely lock the sash against movement in either direction without scratching, indenting or otherwise marring the same, which is a desideratum.

My improved sash fastener is also advantageous because of its simplicity and strength 80 and because it embodies no springs or other parts which are likely to get out of order.

I have in some respects specifically described the construction and relative arrangement of the several parts of my improved fastener in order to impart a full and clear understanding of the same, but I do not desire to be understood as confining myself to such construction and arrangement as such changes or modifications may be made in practice as fairly fall within the scope of the invention.

Having described my invention, what I claim is—

The combination with a window frame and a sliding sash arranged therein; of the sash fastener comprising a suitable casing, the sash engaging shoe arranged in said casing and having a broad end 3<sup>b</sup>, and the opening 3<sup>a</sup>, a shaft journaled in the casing, and an ec-

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centric or eccentrically mounted disk fixed  
on the shaft and arranged in the opening 3<sup>a</sup>,  
of the shoe; the said fastener being connected  
to one of the side stiles of the window frame  
5 and so arranged with respect to the sash as  
to enable the broad end 3<sup>b</sup>, of the shoe 3, to  
engage one end of the sash and the outer

edge of said shoe to engage one of the side  
bars of the sash, substantially as specified.

NELS JOHNSON.

Witnesses:

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