No. 815,483. PATENTED MAR. 20, 1906.

C. H. SNEARER.

SASH FASTENER.

APPLICATION FILED SEPT. 18, 1905.

Fig. 1.

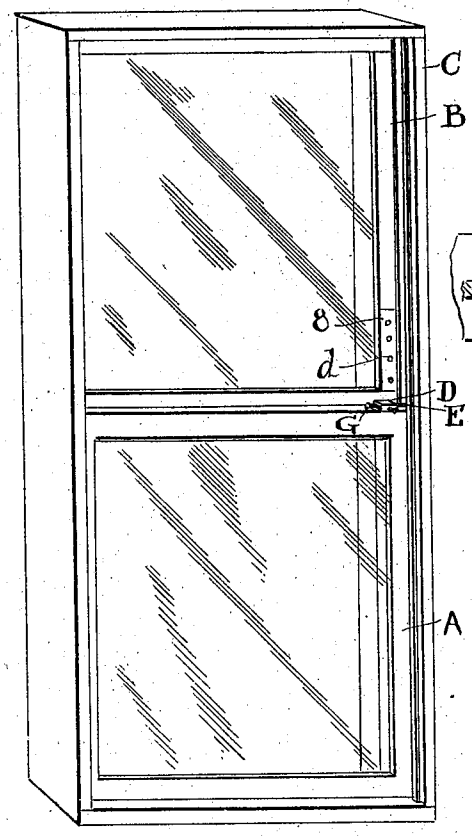


Fig. 2.

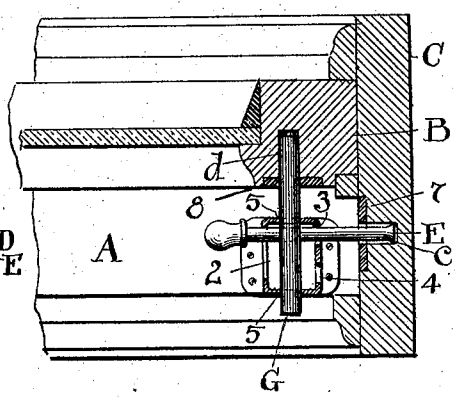


Fig. 3.

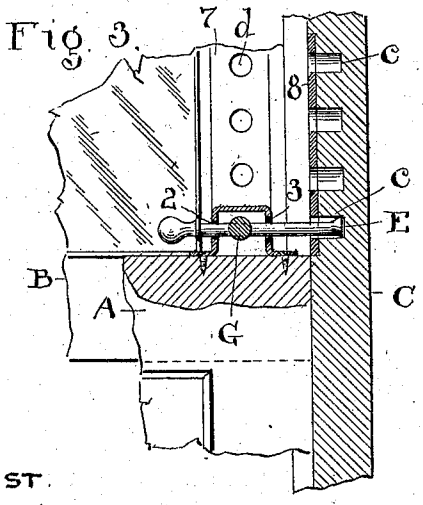
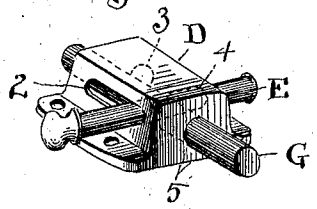


Fig. 4.



ATTEST.

A. M. Mozer.

R. B. Moore

INVENTOR.

Charles H. Snearer

BY H. J. Fisher ATTY

UNITED STATES PATENT OFFICE.

CHARLES H. SNEARER, OF CLEVELAND, OHIO.

SASH-FASTENER.

No. 815,483. Specification of Letters Patent. Patented March 20, 1906.

Application filed September 18, 1905. Serial No. 278,965.

To all whom it may concern:

Be it known that I, CHARLES H. SNEARER, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Window-Sash Locks; and I do declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to window-sash locks; and the invention consists in a set of bolts and a holder in which the same are operatively supported, all substantially as shown and described, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a front elevation, slightly in perspective, of a window containing my invention. Fig. 2 is a plan view, enlarged, on a line corresponding substantially to the top of the window-sash and across the line of the locking-bolts, showing a cross-section of the bolt-holder, as hereinafter fully described. Fig. 3 is a vertical sectional elevation of that portion of the window and casing containing the invention and especially showing the engagement of the main bolt with the window-casing, and Fig. 4 is a perspective view of the bolts and a holder or shell carrying the same and comprising a new article of manufacture.

A represents the lower sash of the window, B the upper sash, and C the window-casing. D is the holder or shell, and E and G are the respective bolts set at right angles to each other in said holder, and in this instance having the main holder E slidably projected through bolt G for the purpose of joint operation of said bolts, as will hereinafter more clearly appear. It will be seen that holder D has a transverse slot 2 at its front and two holes 3 and 4 at its rear opposite said slot, while it has opposite side holes 5 at right angles to the slots and holes 2, 3, and 4 for bolt E. Main bolt E furthermore is adapted to be withdrawn through the holes 3 and 4 to bring its end within the holder or shell D, so as to be slidable in the slot 2 the full length thereof and bring bolt E into projecting position with respect to either of the holes 3 and 4, according as said bolt is withdrawn from engagement with the series of holes *c* in casing C or is projected into engagement therewith, as seen in Figs. 2 and 3. In Fig. 4 said bolt is withdrawn from locking engagement with casing C, and bolt G likewise is withdrawn from engagement with the series of holes *d* in the side of the upper sash D and is locked back by projecting the bolt E outward through the hole 4 relatively as shown in Fig. 4. When in this latter position, both bolts E and G are out of locking engagement and are retired in the holder, so that no further locking can occur until bolt E is withdrawn from its position in Fig. 4 and bolt G is carried thereby into locking engagement with one of the holes *d*, while bolt E itself is brought opposite the hole 3 and projected therethrough into one of the holes *c* in the upper casing. It will be seen that when this occurs the lower sash is doubly locked by reason of being locked through bolt E in the window-casing and through bolt G in the upper sash. This likewise locks the upper sash against being opened when up or down, and the two sashes are thus locked together, while both are locked in the casing through the bolt E. Of course if I care to do so I can duplicate this mechanism upon the other side of the window, and thus make the lock doubly secure; but I do not deem this necessary. It will be noticed also that by extending the holes *c* and *d* I can lock the two sashes together in more or less open relation from above or from below, or both above and below, as much as may be desired for purposes of ventilation or the like. This makes an especially desirable sash-lock for ground-floor windows, because ventilation can be afforded or circulation from both below and above in the window and at the same time the sashes can be locked so that a person cannot enter above or below. It will be noticed, furthermore, that this makes an exceedingly simple as well as effective lock for the window because there is no hand-work in the construction of the lock and slot 2 makes provision for all the adjustments both bolts require. The inner end of bolt E is slightly upset, so as to prevent its withdrawal through bolt G; but this does not prevent its passage back and forth through the holes 3 and 4.

The holder or shell D is provided with flanges at its bottom, through which it is fastened down upon the top of the lower sash, and the series of holes *c* and *d* in casing C and upper sash B, respectively, are preferably faced with plates 7 and 8. A cross-slot like slot 2 might be used at the rear of the holder in lieu of holes 3 and 4 if positive unlocking

of the bolts were not desired. They are in such unlocked position in Fig. 4, for which hole 4 is used.

What I claim is—

1. In window-sash locks, a holder having a slot lengthwise of its front and openings at its rear opposite the ends of said slot and having openings at its ends on the same plane as said slot, in combination with a controlled bolt through said end openings and a main bolt through said slot and slidably confined in a hole through said controlled bolt.

2. In sash-locks, a holder having openings through its ends and sides at right angles to each other, a controlled bolt through said side openings and a main bolt extending through said front to rear openings and bodily through said controlled bolt and slidably confined therein, in combination with a window-casing and window-sashes therein, and said casing and one of said sashes having holes adapted to be engaged by said bolts.

In testimony whereof I sign this specification in the presence of two witnesses.

CHARLES H. SNEARER.

Witnesses:

R. B. MOSER.

H. T. FISHER.