(Model.)

W. C. CARSON.

SASH HOLDER.

No. 261,998. Patented Aug. 1, 1882.

Fig. 1.

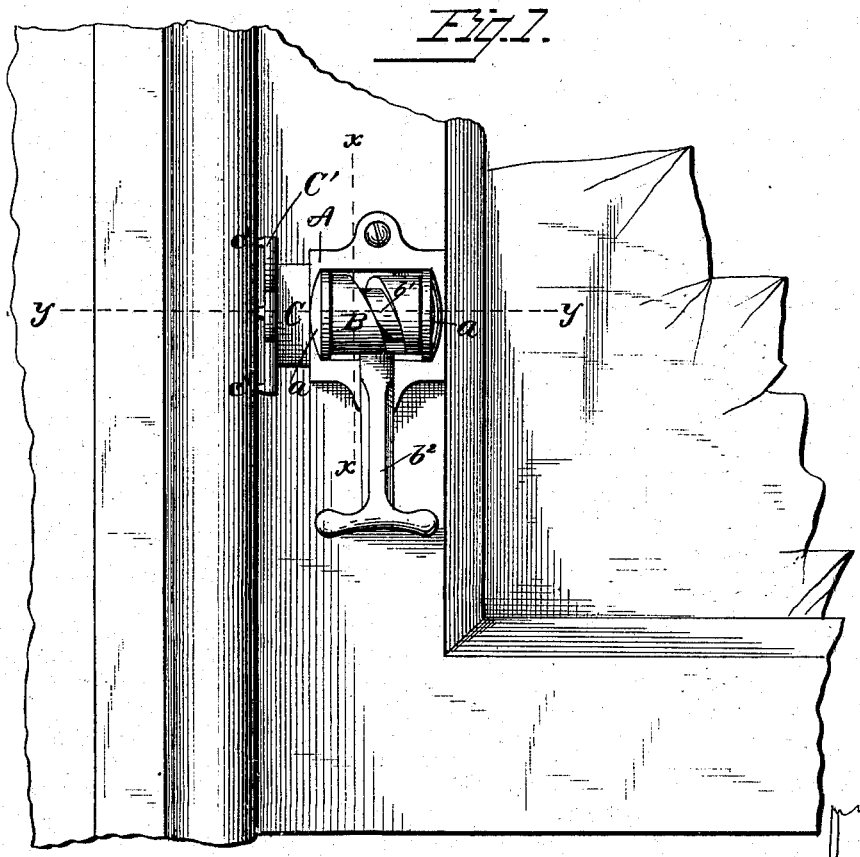


Fig. 2.

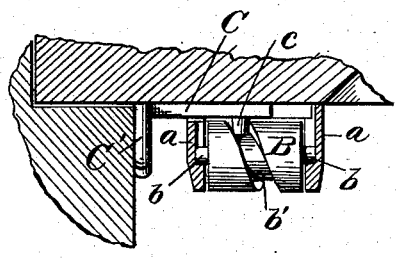


Fig. 3.

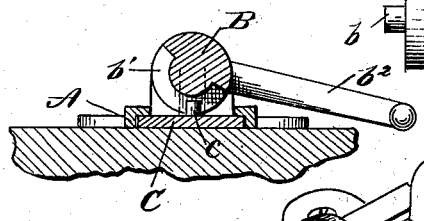


Fig. 6.

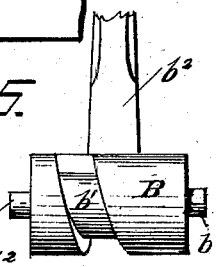


Fig. 4.

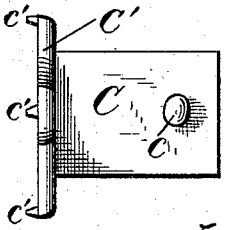
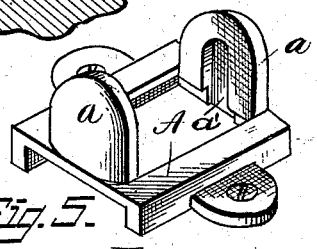


Fig. 5.



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UNITED STATES PATENT OFFICE.

WILLIAM C. CARSON, OF DENTON, TEXAS.

SASH-HOLDER.

SPECIFICATION forming part of Letters Patent No. 261,998, dated August 1, 1882.

Application filed April 10, 1882. (Model.)

To all whom it may concern:

Be it known that I, WILLIAM C. CARSON, of Denton, in the county of Denton and State of Texas, have invented a new and Improved Window-Lock, of which the following is a full, clear, and exact description.

This invention relates to that class of devices known as "window-sash locks;" and the novelty consists in the general construction and combination of all the parts, as will now be more fully and in detail set out and explained.

In the accompanying drawings, Figure 1 is a plan view of this invention as applied in use to lock a window-sash. Fig. 2 is a vertical central section of the device shown in Fig. 1 on line *y y*. Fig. 3 is a cross-section on line *x x*; Figs. 4, 5, and 6, details in plan and perspective to show the construction of the locking-plate, frame, and locking-block.

The frame A, which is suitably provided with screw-holes for attaching it to the sash, has at its ends the upwardly-projecting ears or flanges *a*, in the inner face of each of which is suitable provision—as by grooves or recesses *a'*, open from the bottom—for the journals *b* of the revolving cylinder or locking-block B to be placed in. In the surface of this block is the spiral groove *b'*, and into this groove *b'*, when the several parts are put together, fits the upwardly-projecting and central stud, *c*, of the sliding plate C. This block can be worked by means of handle b^2. The plate C is adapted to slide in or out of the under side of the frame A, guided between its sides when actuated by the movement of the block B, the action of groove *b'* on the stud *c* causing the said plate to move in or out, according as the block is actuated. The plate C has on its outer end the head C', of proper size and shape, and provided on its face with corrugations or points *c'*, which, when C is thrust outward, as above described, will take upon the sides of the frame in which the window-sash is mounted, and thus retain the sash at any desired position. The plate C comes directly under the block B, and the stud *c* is centrally fixed on the plate. Thus the spiral groove will give to the plate a direct and positive thrust forward or back when the block is actuated, as above described.

It will be observed that the peculiar way in which the block B is mounted on the frame not only is as simple as can be, but that by this block B a considerable power can be exerted without any danger of doing damage to the device.

This device is very easily made, and the parts are readily adapted to each other, and when put together and the frame secured to the window-sash, which is done by merely screwing it upon the sash and without mortising or injuring the sash, the device is ready for use. It is so simple that it cannot easily get out of order, and it is very strong and durable.

Having thus described my invention, what I consider new, and desire to secure by Letters Patent, is—

In a window-sash lock, the combination of the following elements, viz: a revolving locking-block spirally grooved on its face, and mounted centrally in a frame having seats or grooves for its journals, and a locking-plate fitting into the said frame directly under said locking-block, and adapted to be thrust out or in by the action of the spiral groove in said block on the upwardly-projecting centrally-placed spur on said plate, said spur coming directly under said block, all as set forth.

WM. C. CARSON.

Witnesses:
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