

No. 642,922.

Patented Feb. 6, 1900.

M. E. REID.
WINDOW SASH.

(Application filed Feb. 11, 1899.)

(No Model.)

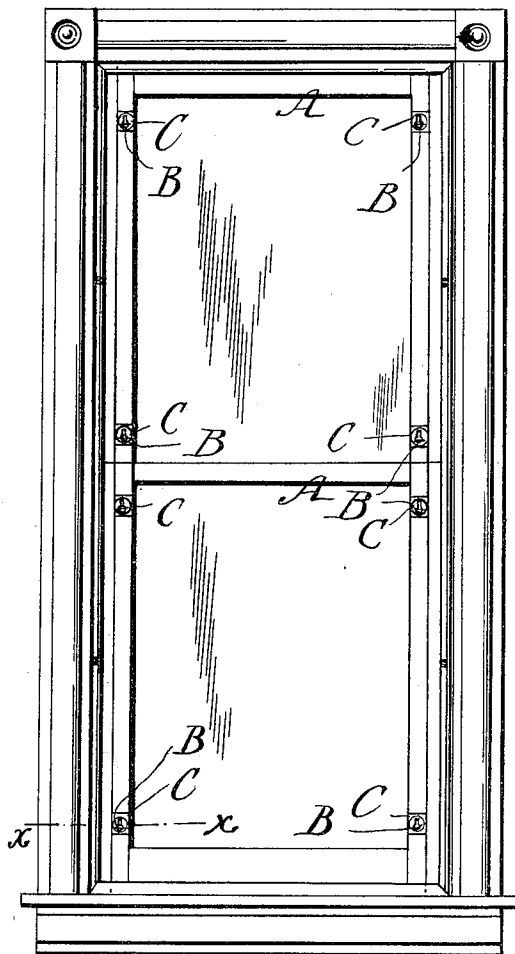


Fig. 1.

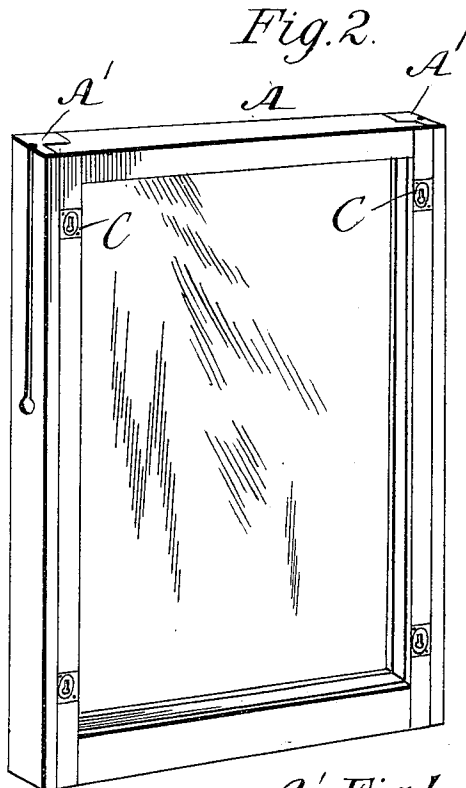


Fig. 2.

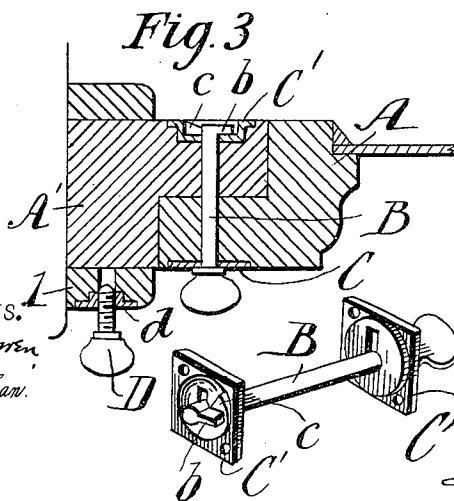


Fig. 3.

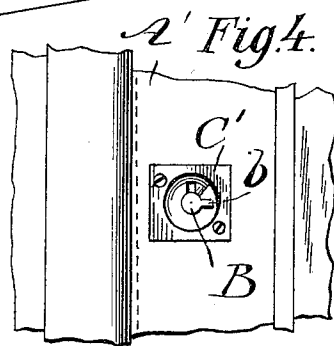


Fig. 4.

Fig. 5
INVENTOR
Mary E. Reid,
BY
Carroll Deemert & Co.
ATTORNEYS

WITNESSES.
J. S. Brown,
M. G. MacLean.

UNITED STATES PATENT OFFICE.

MARY E. REID, OF BUFFALO, NEW YORK.

WINDOW-SASH.

SPECIFICATION forming part of Letters Patent No. 642,922, dated February 6, 1900.

Application filed February 11, 1899. Serial No. 705,252. (No model.)

To all whom it may concern:

Be it known that I, MARY E. REID, a citizen of the United States, and a resident of Buffalo, county of Erie, and State of New York, have invented certain new and useful Improvements in Window-Sash, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar letters of reference indicate corresponding parts.

This invention relates to an improved window-sash in which the side pieces of the sash-frame are formed in sections, so that the sash can be detached from the window-frame for cleaning or other purposes without removing any portion of said window-frame; and the object of the invention is to provide a simple, cheap, and quickly-operated locking means for securing the portions of the side pieces of the sash closer and more firmly together, all of which will be fully and clearly hereinafter described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 is a front elevation of a window-frame having my improved sash connected therewith. Fig. 2 is a perspective view of the sash. Fig. 3 is a sectional plan view taken on the line *xx*, Fig. 1. Fig. 4 is a rear elevation illustrating a portion of the sash. Fig. 5 is a detail perspective view illustrating the locking device employed for connecting the sash-sections.

In referring to the drawings in detail like letters designate like parts.

The sash-frame A, in which the window-pane is mounted, is provided with detachable side portions A', which interlock or partially dovetail with each other. The detachable side portions A' are secured to the sides proper of the sash-frame by the keys B, which pass through openings in the ribs or interlocking portions of the sides of the frame and the side portions A'. Plates C are arranged on the exterior of the ribs on the sides of the frame, being preferably set flush with said exterior, and plates C' are arranged upon the rear surface of the ribs on the detachable side portions. Four of each of these plates are preferably employed, two upon each rib, the plates C being arranged over the front of the openings through the ribs on the frame and the plates C' over the rear of the openings

through the ribs on the detachable portions, said openings being so arranged that the openings on one rib will register with the openings on the adjacent rib when the detachable portions are properly attached to the frame.

The plates C' are each provided with an inclined or cam portion *c*, and the keys B each have an offset or enlargement *b*.

In locking the detachable side portions to the main frame they are arranged so that the corresponding openings through the ribs register, and the keys are inserted and passed through the openings and are then turned to bring the key-offset *b* against the cam *c* and draw the detachable portions closely and firmly to the main frame. Four keys are preferably employed, one in each corner, so that the detachable portions are very tightly and rigidly secured to the main frame when the keys are turned firmly into their locking position.

A thumb-screw D is employed to lock the sash in any desired position.

The operation of the device will be easily understood from the foregoing, the object being to provide an extremely-quick locking device for the detachable portions of the sash, which will secure them strongly to the main frame.

I claim as my invention—

A window-sash comprising a main frame and removable side portions; said main frame and side portions having ribs which overlap when in said frame and portions are in proper assembled position; and each of said ribs having openings, plates arranged over the front of the openings on the ribs of the main frame, plates arranged over the rear of the openings on the ribs of the removable portions and each having an inclined or cam surface and keys having offsets or enlargements adapted to engage with said cam-surfaces and draw the removable side portions closely and snugly to the main frame, as set forth.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 6th day of February, 1899.

MARY E. REID.

Witnesses:

C. B. DIXON,
CHRISTOPHER C. PRICE.