No. 648,962. Patented May 8, 1900.

F. E. JEWETT.

WINDOW FASTENER.

(Application filed Oct. 5, 1898.)

(No Model.)

Fig. 3.

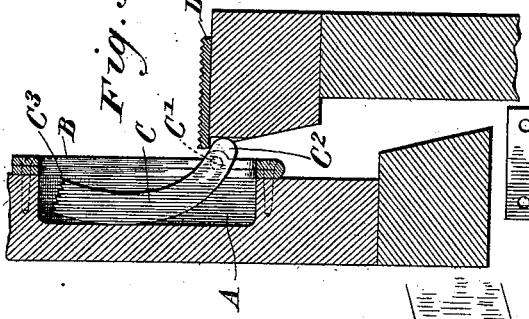


Fig. 5

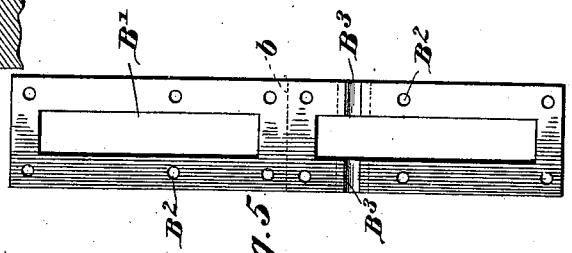


Fig. 2.

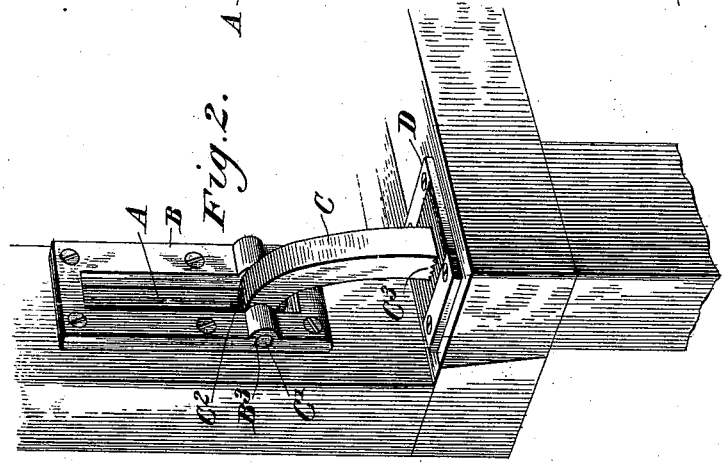
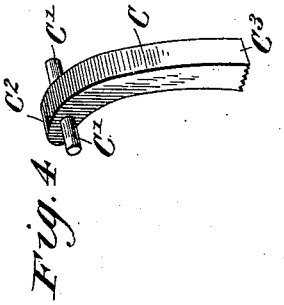


Fig. 4



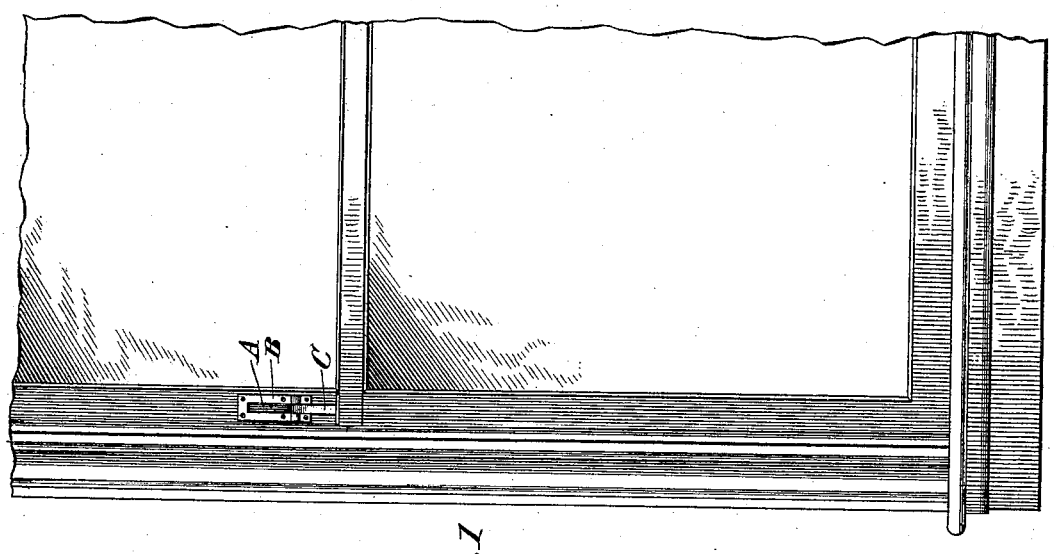


Fig. 1

Witnesses
J. M. Witherow
Clarence Shaw

Inventor
Francis E. Jewett,
by Mearley
Attorneys

UNITED STATES PATENT OFFICE.

FRANCIS E. JEWETT, OF ST. LOUIS, MISSOURI.

WINDOW-FASTENER.

SPECIFICATION forming part of Letters Patent No. 648,962, dated May 8, 1900.

Application filed October 5, 1898. Serial No. 692,714. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS E. JEWETT, a citizen of the United States, residing at St. Louis, in the State of Missouri, have invented a new and useful Window-Fastener, of which the following is a specification.

This invention relates generally to window-fasteners or sash-locks, and more particularly to one in which the lower sash is locked by an appliance carried upon the upper sash.

The object of the invention is to provide a fastener of this kind which shall consist of very few parts cheaply and easily constructed and applied and also to provide a fastening which automatically operates when the lower sash is closed.

The invention consists in certain details of construction and novelties of combination, all of which will be fully described hereinafter and afterward particularly pointed out in the appended claim.

In the drawings forming part of this specification, Figure 1 is a face view of one side of a window, showing the application of my invention. Fig. 2 is a detail perspective view showing the ends of the meeting sashes with my invention as applied and locked. Fig. 3 is a detail sectional view showing the manner of automatically locking the device. Fig. 4 is a detail perspective view of the locking dog or pawl, and Fig. 5 is a detail view of the blank of the face-plate.

In carrying out my invention I cut a rectangular-shaped recess A in one of the side stiles of the upper sash, and a face-plate B is attached to the said stile, surrounding the said recess. The face-plate B is made from a blank (shown in Fig. 5) which is just double the length of the face-plate, said blank being folded upon the line *b*, and the blank is formed with rectangular-shaped openings B′, which register with each other when the blank is folded and are adapted to register with the recess A when the plate is attached to the window-stile. The blank is also provided with holes B^2, which register when the blank is folded and provide screw-holes for the attachment of the plate, it being understood that the outer section of the face-plate has the holes countersunk. The inner section is also formed with transverse grooves or corrugations B^3, which form bearings for the pivots C′, passing through the head of the dog or pawl C, said dog or pawl being curved, as shown, the pivot being arranged adjacent to the head C^2, while the floor C^3 or lower end is corrugated or serrated for engagement with a corrugated plate D, fixed upon the top rail of the lower sash. By curving the pawl C and locating the pivots near the head the main portion of the pawl is made to project away from the face of the sash, so that the finger of the operator can be easily inserted behind the pawl to move the foot forward to release the lower sash. It will also cause the center of gravity to pass to the rear of the pivotal point when the pawl is raised the more readily, and thereby hold the pawl within the recess without the use of springs or latches of any kind. It will also permit of locating the pivotal point very near the vertical plane of the division between the two sashes, thus requiring but a very shallow recess or cavity for the reception of the pawl. The blank of the face-plate is folded upon itself after the pivots of the locking dog or pawl have been set in place, and the face-plate and dog are then secured to the upper sash, while the bearing-plate is secured to the lower sash, as most clearly shown in Fig. 2. As the pawl, with its pivots and roughened foot, can be cast in one piece, the entire device can be made from only two pieces of material, thereby making it extremely cheap and simple. When the lower sash is raised, the dog occupies the position shown in Fig. 3, it being thrown there by hand, and as the lower sash descends in closing the plate D contacts with the head C^2 and trips the dog or pawl, so that the foot C^3 is brought into contact with the face-plate D, and the window thereby secured.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

In a window-sash fastener, the combination with a plate formed from a single piece of flat material folded upon itself and each end slotted longitudinally and perforated to register with each other, and one portion thereof being provided with a transverse groove, and a curved pawl, one end of which is corrugated and the two flat sides near the other end are each provided with a laterally-projecting pivot to fit in the groove of the plate, substantially as described.

FRANCIS E. JEWETT.

Witnesses:
JNO. B. PACHALL,
J. M. KERR.