F. S. DAINS.

Sash-Fastener.

No. 217,202. Patented July 8, 1879.

Fig. 1.

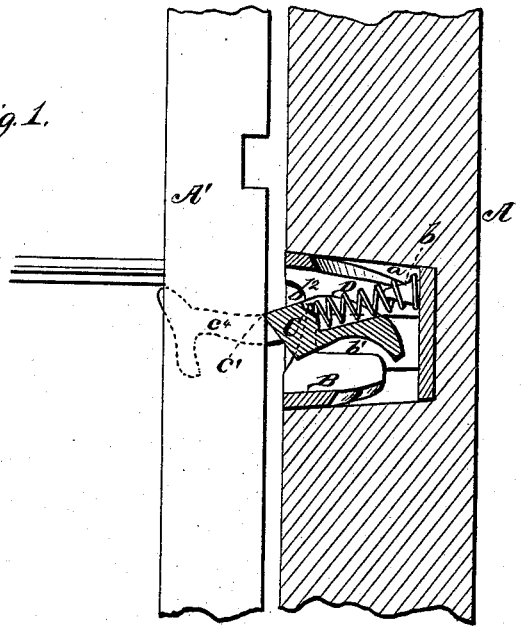


Fig. 2.

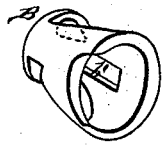
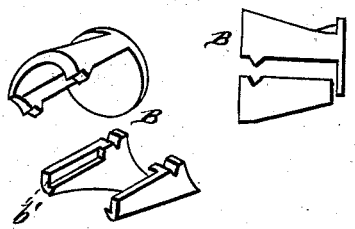


Fig. 3.

Fig. 4.



WITNESSES

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UNITED STATES PATENT OFFICE.

FRED. S. DAINS, OF FLINT, MICHIGAN.

IMPROVEMENT IN SASH-FASTENERS.

Specification forming part of Letters Patent No. **217,202**, dated July 8, 1879; application filed December 7, 1878.

To all whom it may concern:

Be it known that I, FRED. S. DAINS, of Flint, in the county of Genesee and State of Michigan, have invented a new and valuable Improvement in Sash-Locks; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a vertical central section of my sash-lock, and Figs. 2 and 3 are perspective details. Fig. 4 is a view of a modification of my sash-lock.

My invention relates to a device for locking sashes and the like; and the novelty consists in the construction and arrangement of parts, as will be more fully hereinafter set forth and claimed.

The advantages of this invention embrace strength, reliability, compactness, neatness, and ease of application. It can be used on windows with or without weights; will hold the lower sash at any desired point of elevation, and securely lock it when closed; will hold and lock the upper sash at any point independent of the lower sash, allowing ventilation at night without fear of burglars; obviates all rattling or noise from wind by binding tightly against one side; prevents the sash from sagging down on one side; will hold any weight of sash, and requires no screws, nails, or the like in applying the device to any sash-frame, and does not require the marring of paint or any considerable degree of change to apply it.

In carrying out my invention I employ a cup-shaped casting of cylindrical form, which casting operates in a proper recess in the frame, opposite one of the side edges of the sash. The cup has open sides, and guideways upon the inner surface thereof receive lugs upon a removable arm, as shown. A spring operates over a stud in the bottom of the cup and in a recess in the arm, and serves to exert a continuous out-bearing force on the arm. The outer upper edge of the arm forms an acute angle or sharp edge, which cuts into the sash-edge, and a handle allows the catch to be pressed into the cup at will.

The cup may be made in two pieces, as shown in Fig. 4, if desired; but I prefer to have it cast in one piece, the dishing orifice of which is larger in one direction than in the other. The arm is then placed in the cup with the lugs pointing in the direction having the greatest distance, and, when inserted, a quarter-turn throws the lugs into the guideways.

Referring to the drawings, A represents the frame, and A′ the sash. In the frame A is a recess, *a*, which receives the locking device. B represents a cup, having a lug, *b*, guideways b^1 b^1, and a recess, b^2, in its outer edge. The guideways receive lugs or ears *c* upon a catch, C, which has an acute edge, c^1, which bears against the sash. A recess, c^2, in the catch C receives one end of a coil-spring, D, the other end embracing the lug *b*. c^3 represents a portion of the catch which operates in the recess b^2, and c^4 a handle.

The operation of my invention is obvious.

What I claim as new, and desire to secure by Letters Patent, is—

1. The cup B, having lug *b*, guideways b^1 b^1, and recess b^2, in combination with a spring, D, a catch, C, the frame A *a*, and sash A′, as and for the purpose set forth.

2. The combination of the cup B, having lug *b*, guideways b^1 b^1, and recess b^2, the catch C, having lugs *c*, acute edge c^1, and recess c^2, with the spring D, frame A *a*, and sash, as specified, for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

FRED. S. DAINS.

Witnesses:
CHAS. N. GILBERT,
JEHIEL M. STILES.