

C. W. SALADEE.
SASH-FASTENER.

No. 173,185.

Patented Feb. 8, 1876.

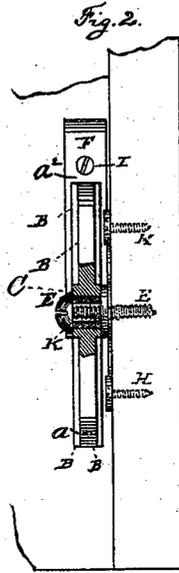
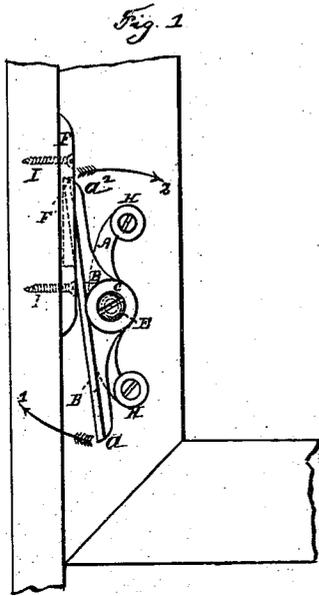


Fig. 3.



Fig. 4.



WITNESSES :

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CYRUS W. SALADEE, OF WASHINGTON, DISTRICT OF COLUMBIA, ASSIGNOR
OF ONE-HALF HIS RIGHT TO L. DOBBINS, OF ERIE, PENNSYLVANIA.

IMPROVEMENT IN SASH-FASTENERS.

Specification forming part of Letters Patent No. **173,185**, dated February 8, 1876; application filed
November 3, 1875.

To all whom it may concern:

Be it known that I, CYRUS W. SALADEE, of Washington, in the District of Columbia, have invented a new and useful Improvement in Sash-Fasteners, of which the following is a specification:

I have improved a very simple form of sash-fastener, chiefly with a view to its durability and strength. For this purpose I employ a fixed plate-holder for the pivoted double-end catch, and provide it with a laterally-projecting bearing-stud, and combine with it a hub on the pivoted double-end catch, in such manner that the stud and the hub co-operate to both fasten the catch solidly in place and form a cylindrical bearing, upon which said catch is turned to lock the sash either open or closed. The state of the art shows that a pivoted double-end catch is not new for holding the sash open or securing it when closed, but such device has hitherto been secured by a screw passed through the plate which forms the catch directly into the window-sash, and is thereby not only liable to constantly work loose, but is a comparatively weak and unreliable fastening, and forms the bearing upon which the catch turns.

In the accompanying drawings, Figure 1 represents a front view of my improved window-sash fastener as applied for use; Fig. 2, a partial section of the same, showing the combined fastening-stud and bearing for the catch; Fig. 3, the notched plate into which the catch works, and Fig. 4 the fixed plate with its lateral fastening and bearing-stud.

The fixed plate A and the pivoted double-end catch B are of separate and distinct parts, the plate being secured to the inner side of the sash at H H, and the catch is secured and has its bearing thereon. A stud, K, projects laterally from the plate A, from the middle of its length, and upon this is fitted the catch, by means of a hub, C, formed in the middle of its length. These two devices co-operate in forming a solid fastening for the catch and a cylindrical bearing upon which it works. When fitted upon such bearing it is secured

by a rivet or screw, which passes through the stud K into the sash, with its head bearing against the outer side of the hub C, so that it is relieved from all strain or force exerted upon the sash, and in this respect the screw serves simply as the means for uniting the catch to its holder, and forms no part of the bearing or pivot for the catch. This laterally-projecting stud and bearing is shown in Fig. 4, and the catch-hub and its relation to said stud is shown in Figs. 1 and 2. Notched plates F are secured at proper intervals into the window-frame in a manner to allow either end a or a^2 to take into it, either to hold the sash open or lock it when closed. In the position of the catch in Fig. 1, the sash is closed and secured, and when raised the lower end of the catch takes into one of the notched plates in the same manner, the catch being turned upon its bearing-stud K in the direction shown by the arrows. The fixed plate can be made of any desired form, and adds finish to the device, while its stud-bearing renders the catch as firm and durable as a bolt. When fitted upon the stud, the outer end of the latter and the outer face of the hub must coincide, so that the head of the screw will bear alike upon both, and thus serve as a clamp to keep the catch in position when set, and this is another important function resulting from the stud-bearing connection, as it dispenses with the necessity of a spring for holding the catch in action, and allows it to be set out of action when desired.

I claim—

In a sash-fastener, the fixed plate A, provided with the bearing-stud K, and combined with the hub C of the pivoted double-end catch B, and the fastening screw or rivet E, as described, whereby the stud and the hub co-operate to both fasten the catch and form a cylindrical bearing therefor, substantially as shown and described.

CYRUS W. SALADEE.

Witnesses:

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