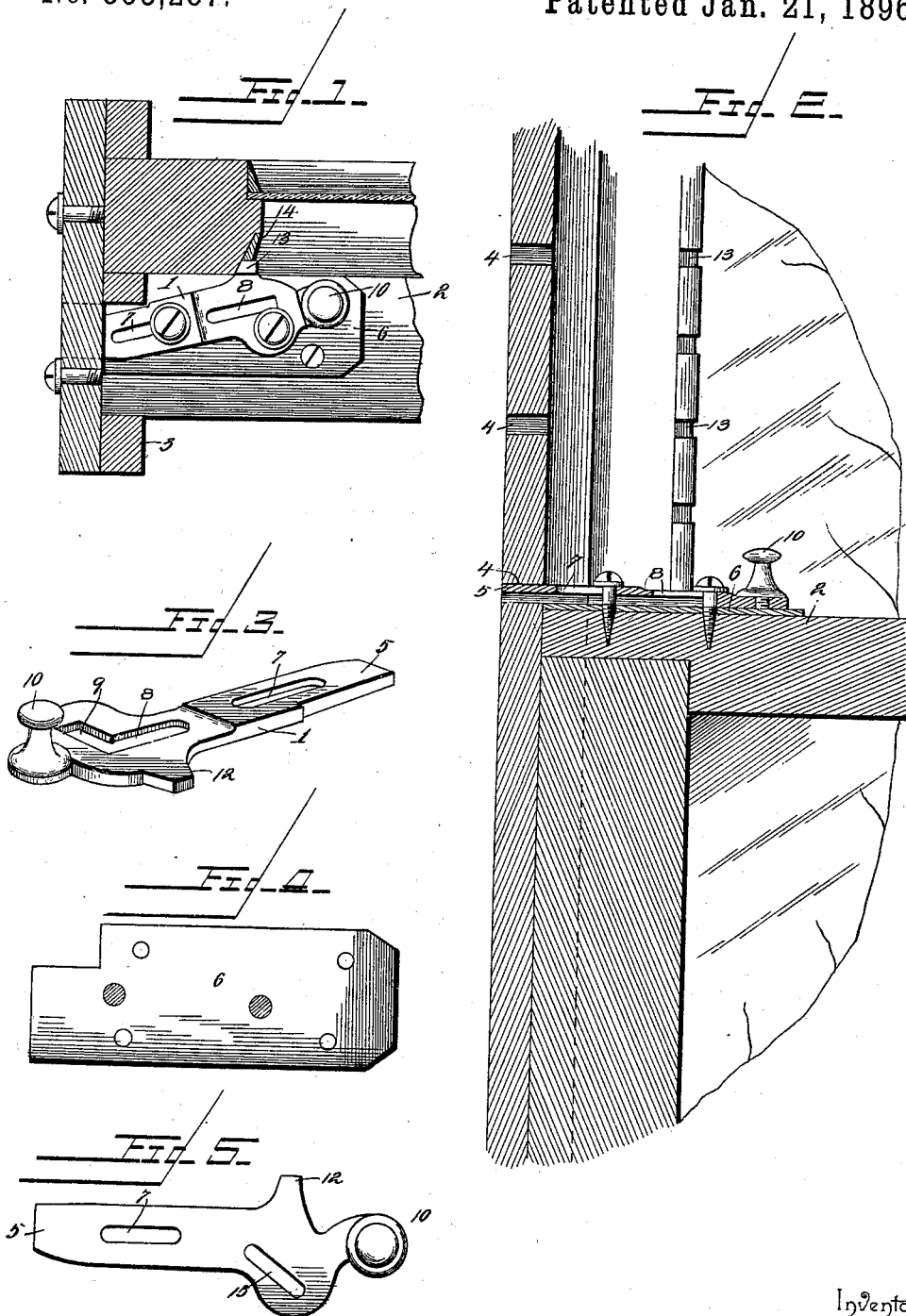


(No Model.)

S. LANGMAID.  
SASH LOCK.

No. 553,287.

Patented Jan. 21, 1896.



Inventor.

Samuel Langmaid.

By his Attorneys.

Witnesses  
Thos W Riley  
J. H. Riley

C. Snow & Co.

# UNITED STATES PATENT OFFICE.

SAMUEL LANGMAID, OF LAWRENCE, MASSACHUSETTS.

## SASH-LOCK.

SPECIFICATION forming part of Letters Patent No. 553,287, dated January 21, 1896.

Application filed February 2, 1895. Serial No. 537,116. (No model.)

*To all whom it may concern:*

Be it known that I, SAMUEL LANGMAID, a citizen of the United States, residing at Lawrence, in the county of Essex and State of Massachusetts, have invented a new and useful Sash-Lock, of which the following is a specification.

The invention relates to improvements in sash-locks.

10 The objects of the present invention are to improve the construction of sash-locks and to provide a simple and effective device capable of securing sashes at the desired adjustment and of holding them against opening from the exterior.

A further object of the invention is to provide such a device which may be readily applied to any ordinary window without any material change in the construction thereof.

20 The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

25 In the drawings, Figure 1 is a horizontal sectional view of a portion of a window provided with a sash lock and holder constructed in accordance with this invention. Fig. 2 is a vertical sectional view of the same. Fig. 3 is a detail perspective view of the sliding bolt. Fig. 4 is a detail view of the wear-plate. Fig. 5 is a similar view showing a modification of the bolt.

35 Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

1 designates a sliding bolt mounted on top of the lower sash 2 of a window 3 adjacent to one side of the casing and capable of longitudinal reciprocation to engage and disengage recesses 4 of the adjacent side of the casing of the window, whereby the lower sash is securely held at the desired elevation or is locked when closed against upward movement. The sliding bolt is provided with an engaging end 5 to fit in the recesses 4 and is preferably mounted on a wear-plate 6, and it has slots 7 and 8 receiving headed fastening devices 9, whereby the bolt is slidingly mounted on the sash. The inner end of the bolt is provided with a knob 10 having a

threaded shank fitting in a threaded perforation of the bolt.

At its outer side the bolt is provided with a lug or shoulder 12 arranged to engage any one of a series of notches 13 of a metal strip 14 secured to the upper sash, and the sliding bolt has its inner slot 8 substantially L-shaped to permit the lug or shoulder to be swung outward to engage one of the notches of the strip 13, whereby the upper sash is locked against upward or downward movement and is held at the desired adjustment. When the sashes are closed the lug or shoulder may engage either a notch or the lower end of the strip, which may be disposed above the bottom piece of the upper sash so as to form a notch.

Fig. 5 shows a modification of the bolt, and the latter in this figure is provided with an inclined inner slot 15 to force the lug or shoulder laterally as it is moved longitudinally.

It will be seen that the sash-holder is exceedingly simple and inexpensive in construction, that it possesses great strength and durability, that it is positive and reliable in operation, that it may be readily applied to any ordinary window, and that it is capable of locking the sashes thereof when closed and of holding them at any desired adjustment when open.

Changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

What I claim is—

1. A sash lock, comprising a horizontally disposed bolt designed to be slidingly mounted on the lower sash of a window, and having an engaging outer end adapted to interlock with recesses of the window frame, said bolt being provided at one side with a lug or shoulder, and being capable of a limited longitudinal and lateral movement, whereby the lug or shoulder may be carried into engagement with a notch of the upper sash simultaneous with the engagement of the outer end of the bolt, substantially as described.

2. A sash lock, comprising a bolt designed to be slidingly mounted on the lower sash of

a window, and provided with a straight longitudinal slot 7 and having an L-shaped slot 8 and provided at one side with a lug or shoulder formed integral with the bolt, and headed  
5 fastening devices arranged in the said slots, substantially as and for the purpose described.

In testimony that I claim the foregoing as

my own I have hereto affixed my signature in the presence of two witnesses.

SAMUEL LANGMAID.

Witnesses:

JOHN P. S. MAHONEY,

CLINTON P. VOSE.