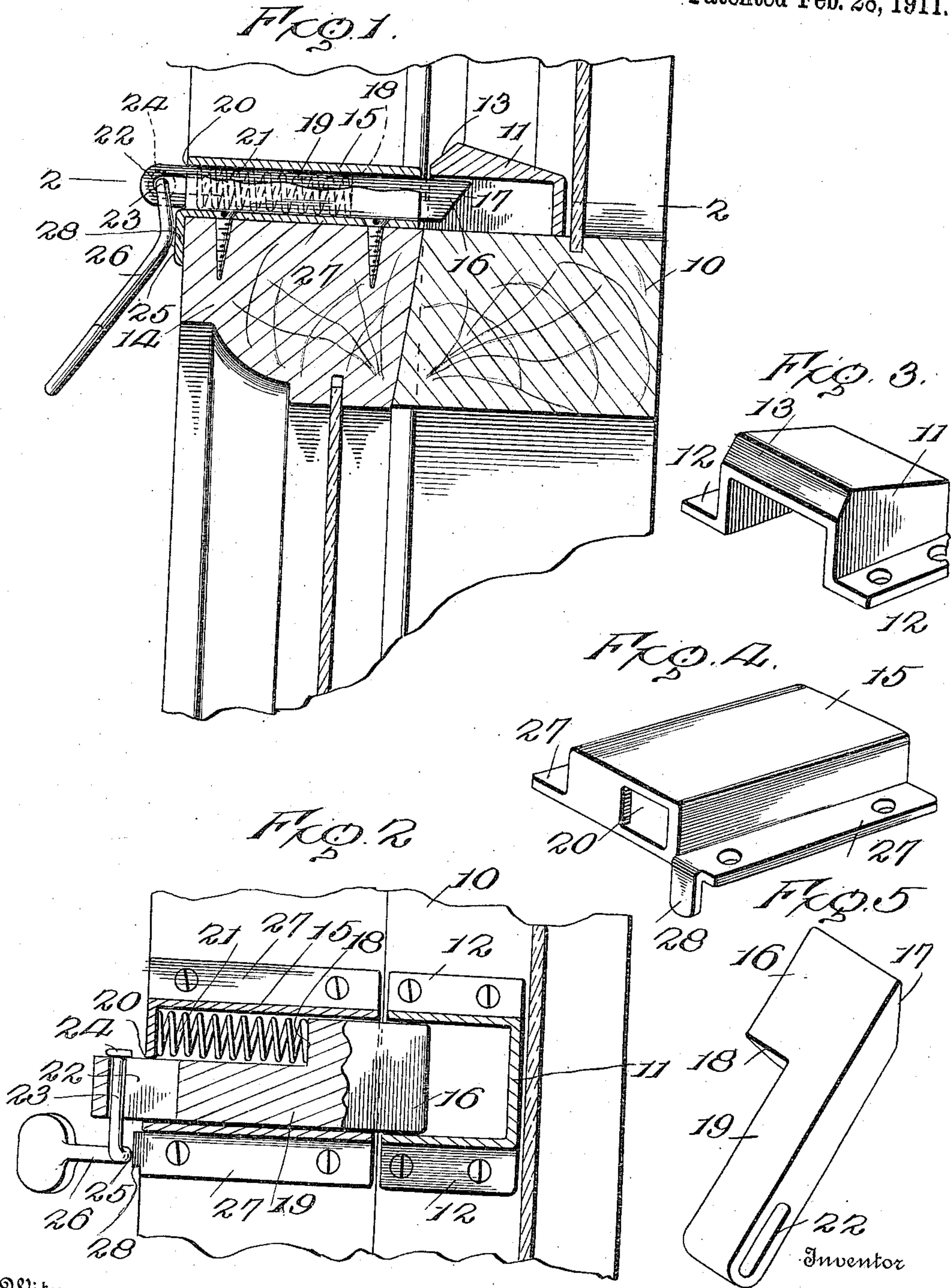


M. L. BLINN.
SASH LOCK.
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985,652.

Patented Feb. 28, 1911.



Witnesses

W. A. Henderson

John M. Fallin,

M. L. BLINN

By

Frank A. [Signature] Attorneys.

UNITED STATES PATENT OFFICE.

MICHAEL L. BLINN, OF STONEHAM, MASSACHUSETTS.

SASH-LOCK.

985,652.

Specification of Letters Patent.

Patented Feb. 28, 1911.

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To all whom it may concern:

Be it known that I, MICHAEL L. BLINN, subject of the King of England, residing at Stoneham, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Sash-Locks, of which the following is a specification.

This invention relates to sash locks and has for an object to form a device of this character which automatically locks the sashes upon the closing of the same.

This invention comprehends a sash lock which comprises but few parts, and one which can be easily and quickly operated to release the sashes when desired.

For a full understanding of the invention reference is to be had to the following description and accompanying drawings in which:

Figure 1 is a side elevation partly in section of the improved sash lock in position. Fig. 2 is a section on the line 2—2 of Fig. 1. Fig. 3 is a detail perspective view of the keeper. Fig. 4 is a detail perspective view of the housing; and Fig. 5 is a perspective view of the sliding bolt detached.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

Referring to the drawings numeral 10 designates the lower bar of the upper sash of a window which is provided upon its upper face with a keeper 11. The keeper 11 is formed of a channel member which is secured to the sash through the medium of outturned flanges 12. The inner edge of the top of the keeper 11 is beveled upwardly to form an inclined face 13. The upper bar 14 of the lower sash is provided upon its upper face with a housing 15 which is opened at its outer end to receive a sliding bolt or latch 16. The latch 16 is provided in the usual manner with a beveled outer end 17 to ride over the inclined face 13 as the bars 10 and 14 are registered. The inner end of the bolt 16 is reduced by cutting away one side thereof to form a shoulder 18 and a shank 19. The shank 19 extends backwardly through the housing 15 and through

an opening 20 in the rear wall of the housing and at one side of the same. A coil spring 21 is positioned within the housing between the shoulder 18 and the inner wall thereof to normally hold the sliding bolt 16 in an extended position. The rear extremity of the shank 19 is provided with a transverse and longitudinal slot 22 through which is extended the horizontal arm 23 of the operating lever. The inner end of the arm 23 is headed or off-set as at 24, the head 24 resting against the inner edge of the shank 19 to hold the arm 23 loosely within the slot 22. The arm 23 extends outwardly beyond the side of the housing 15 and is turned downwardly to form bearing edge 25. The outer end of the arm 23 is curved backwardly and downwardly to provide a handle 26. The housing 15 is secured upon the bar 14 through the medium of lateral flanges 27 which rest upon the upper face of the bar. The flange 27 adjacent the arm 23 is provided with a downturned lip 28 at its inner end to receive thereagainst the bearing edge 25.

When the improved lock is in position to secure the bars 10 and 14, and it is desired to release the bars from one another, the handle 26 is depressed and forced inwardly below the lip 28 to engage the bearing edge 25 against the lip and to thereby carry the arm 23 rearwardly from the housing 15. The arm 23 is moved toward the rear end of the slot 22 to engage with the inner wall of the shank 19 and to thereby retract the sliding bolt 16. When the bars 10 and 14 are out of registration and it is desired to close the sash, the bar 14 is forced downwardly whereupon the beveled end 17 of the bolt strikes the inclined face 13 to automatically retract the bolt 16 against the tension of the spring 21. When the housing is registered with the keeper 11 the end of the bolt is released from the inclined face 13 and the bolt is forced into the keeper by the spring 21.

Having thus described the invention what is claimed as new is:

A sash lock including a keeper, a housing for registration with the keeper, a sliding bolt in the housing to engage within the

keeper, a spring arranged within the housing to normally extend the bolt, a shank carried by the bolt and extending through the inner wall of the housing, supporting flanges
5 laterally extending from the housing, a downturned lip formed on one of said flanges at the rear end thereof a curved operating lever loosely connected to the

shank and engaging against said lip for retracting the bolt.

In testimony whereof, I affix my signature in presence of two witnesses.

MICHAEL L. BLINN. [L. S.]

Witnesses:

JOHN A. GIDNEY,
JOSEPH O. BLIER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
