

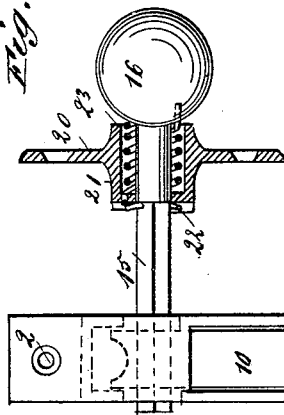
(No Model.)

T. A. L. MOORE.

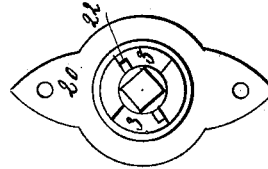
SASH LOCK.

No. 348,334.

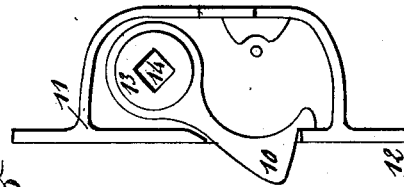
Patented Aug. 31, 1886.



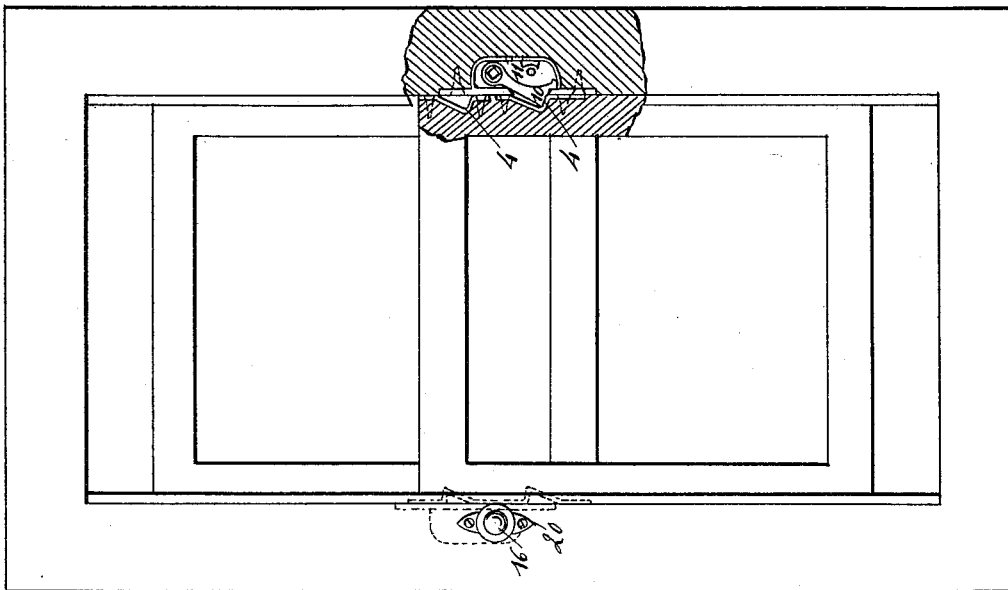
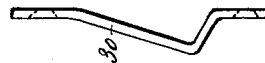
*Fig. 4*



*Fig. 3*



*Fig. 5*



WITNESSES:

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*Fig. 1*

INVENTOR:

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# UNITED STATES PATENT OFFICE.

THOMAS A. L. MOORE, OF NEW ORLEANS, LOUISIANA.

## SASH-LOCK.

SPECIFICATION forming part of Letters Patent No. 348,334, dated August 31, 1886.

Application filed June 30, 1886. Serial No. 206,702. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS A. L. MOORE, of New Orleans, in the parish of Orleans and State of Louisiana, have invented a new and Improved Sash-Lock, of which the following is a full, clear, and exact description.

My invention relates to the construction of a cheap, durable, and efficient sash-lock, designed for use in connection with the ordinary form of vertically-sliding counterbalanced sash, the object of the invention being to provide a sash-lock which shall be partially automatic in its action, and which may be used for the purpose of holding the sashes in a closed or in a partially-opened position.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the figures.

Figure 1 is a face view of a window-casing, wherein the sashes are provided with my improved form of lock, the sashes being represented as partially opened, one side of the case being broken away in order to disclose the construction of the parts. Fig. 2 is a view of the lock itself, the combined plate and spring-socket being shown in section. Fig. 3 is a side view of the case, in which the locking-dog is mounted, one of the side plates being removed to disclose the interior construction. Fig. 4 is a view of the inner side of the escutcheon, the spindle being shown in position, the dog having been removed; and Fig. 5 is a view of the metallic strip employed to protect the shoulders formed on the sashes.

The sash-lock illustrated in the drawings above referred to consists, essentially, of a locking-dog, 10, mounted within a case, 11, said case being formed with a face-plate, 12, in which there are apertures 2, the idea being to arrange for the mounting of the dog and its casing within the jamb of the window, as clearly illustrated in Fig. 1. This dog 10 is formed with trunnions 13, which ride in circular apertures formed in the side walls of the case 11, the dog being arranged so that it may project outward through an opening formed in the face-plate 12 of the said case 11. Through the trunnions of the dog 10 there is formed a square opening, 14, adapted to receive the shank or spindle 15 of a knob, 16,

said shank and knob being preferably made in one piece, as shown in the drawings. Close up by the knob the spindle 15 is round; but its extending end is square, as shown, this extending end being arranged so as to engage with the socket through the trunnions of the locking-bolt 10.

An escutcheon or facing-plate, 20, provided with a socket, 21, is placed about the rounded portion of the spindle 15, the parts being held together by a pin, 22, that is passed through the spindle, the ends of the pin riding in recesses 3, formed on the inner end of the spring-case, so that by grasping the knob the spindle may be given a quarter-turn, as will be clearly understood from an inspection of Figs. 2 and 4. A spring, 23, is coiled about the rounded portion of the spindle 15, one end of the spring being secured to the knob 16, while the other end is secured to the spring-case, as illustrated in Fig. 2, the spring being so arranged that when the spindle is in engagement with the locking-dog 10 the said dog will be held in the position in which it is shown in Fig. 3.

In applying the sash-lock for actual use a mortise is made in the jamb upon each side of the window, in the position indicated in Fig. 1, one of these mortises being arranged so that the casing 11 may be inserted and its locking-dog brought into engagement with the upper sash, while the other mortise is made for a second case, 11, in a position so that the locking-dog of said second case 11 may be brought into engagement with the lower sash of the window. In connection with each of the cases there is arranged a spindle, knob, and escutcheon, the escutcheon being secured to the window-casing, as indicated in Fig. 1, the parts being so placed that the spindle is brought into engagement with the socket of the locking-dog.

Recesses, forming shoulders 4, are formed in the lower sash, as shown upon the right in Fig. 1, other recesses being formed in the upper sash, as indicated on the left in Fig. 1, and these recesses are protected by strips 30, of the form illustrated in Fig. 5.

Such being the general arrangement of the sash-lock, it will be seen that if the sashes are moved to a position to close the window the dogs 10 will enter the upper recess 4 of the

lower sash and the lower recess of the upper sash, the springs 23 acting to hold the dogs in the position named. If, now, it is desired to ventilate the room, the knob 16 may be moved to throw the locking-dogs within the cases 11, and the sashes may be moved to the position illustrated in Fig. 1, when, if the knobs are released, the dogs will enter the recesses, moving to the position shown on the right in Fig. 1. If it is desired to open the sashes to the fullest extent, the dogs are held within their cases until the sashes have been moved to a position so that the recesses are beyond the opening in the face-plate of the cases 11. This sash-lock is preferably made of cast-iron, as cheapness and durability, as well as effective operation, are the main objects aimed at, and in practice I would prefer that the knob and escutcheon should be polished and nickelplated.

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

1. As a new article of manufacture, a sash-lock consisting of a locking-dog mounted within a case arranged to be secured to a window-jamb, and formed with an aperture arranged to be engaged by a correspondingly-formed spindle, said spindle being provided with a

knob and arranged in connection with a spring, which spring is inclosed within a case formed in connection with an escutcheon, substantially as described.

2. In a sash-lock, the combination, with a knob formed with a spindle, of an escutcheon, formed with a spring-case, 21, a spring, 23, connected to the knob and to the spring-case, a retaining-pin arranged to ride in recesses formed in the inner face of the spring-case, a locking-dog mounted within a case, 11, by means of trunnions 13, an aperture, 14, being formed in said trunnions, substantially as described.

3. The combination, with a sash formed with recesses 4, of a facing-strip, 30, a locking-dog, 10, mounted within a case, 11, substantially in the manner described, a knob, 16, provided with a spindle, 15, arranged to engage with the socket of the locking-dog, an escutcheon, 20, formed with a spring-case, 21, a spring, 23, and a pin, 22, arranged to ride in recesses 3, formed on the inner face of the spring-case, substantially as described.

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Witnesses:

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