

(No Model.)

N. W. MOTTINGER.
SASH FASTENER.

No. 525,663.

Patented Sept. 4, 1894.

Fig. 1.

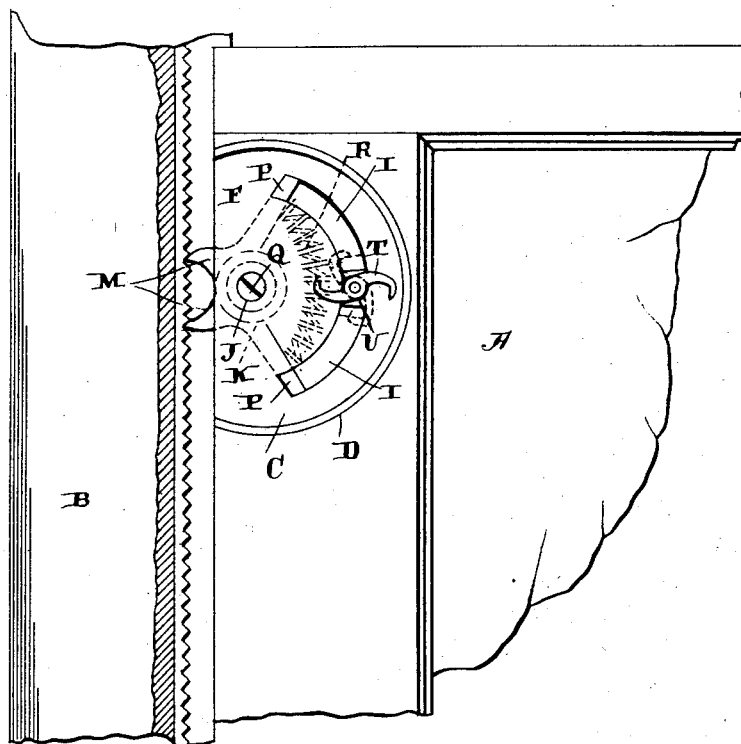


Fig. 2.

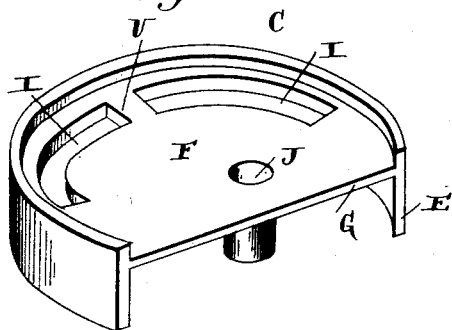
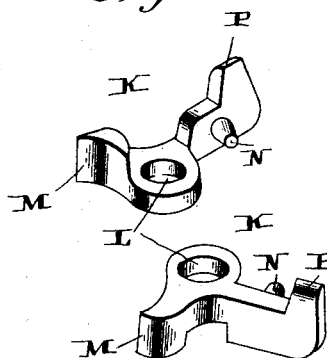


Fig. 3.



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UNITED STATES PATENT OFFICE.

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SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 525,663, dated September 4, 1894.

Application filed March 30, 1894. Serial No. 505,791. (No model.)

To all whom it may concern:

Be it known that I, NOAH W. MOTTINGER, of Akron, in the county of Summit and State of Ohio, have invented certain new and useful Improvements in Sash Fasteners or Locks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to improvements in sash fasteners or locks, and it consists in the construction and arrangement of parts which will be fully described hereinafter and particularly referred to in the claims.

The object of my invention is to provide a sash lock or fastener, which is adapted to lock or hold the sash either in a raised, lowered or intermediate position as may be desired, and the nature of my invention is to have the outer wall of the casing below the face of the sash, and the handles of the holding pawls projecting through said wall and stopping inside the face of the sash to permit one sash to move freely by the other without any interference.

In the accompanying drawings:—Figure 1 is a side elevation of a window sash and jamb with my invention applied thereto. Fig. 2 is a detached view of the fastener casing. Fig. 3 is a detached view of one of the locking pawls.

A indicates the window sash and B the window jamb, and C a casing which is placed within a circular opening D made in the said sash. This casing consists of the circular wall E and the outer wall F, the outer edge of the said casing being made straight as shown at G. The outer wall of this casing is provided with two curved slots I which are formed on the arc of a circle drawn from the point J, as the center. Placed within this casing are the two pawls K, which are provided with pivotal openings L, through which the pivotal screw Q passes, the said screw also passing through the point J, of said casing into the sash. These pawls are cut away as shown so that one is permitted to rest over the other, and the said screw Q serves to

form a pivotal point for the pawls, and also as a means for securing the casing to the sash. One end of these pawls is provided with the ratchet points M, and the other end with laterally extending studs P which project through the slots in the casing and form handles by means of which the pawls are operated as will be clearly understood, and more fully specified hereinafter.

Between the handles P and the pivotal points L of the pawls each is provided with laterally extending studs N, over which the ends of a spiral spring R pass as clearly shown, and which spring serves to hold the pawls normally apart and their ratchet ends in contact with the window jamb itself, or in engagement with a metallic notched or corrugated plate S secured to the said jamb. These studs N serve to hold the spiral spring in place, and this spring is curved as shown so that it conforms to the arc of the circle in which the said studs N travel.

An S-shaped latch T is intermediately pivoted to the portion U between the slots I, the hooked ends of said latch serving to engage the handles P of the pawls and holding their opposite ends out of engagement with the window jamb, or either one of said pawls may be independently held out of engagement with said jamb.

The spiral spring holds the pawls normally apart and their opposite ends are normally held in engagement with the window jamb so that the sash is locked against movement in either direction. When however it is desired to move the sash either up or down the handles of the pawls are grasped between the thumb and fingers and drawn together which disengages their ends from the jamb, when the sash can be readily lowered or raised.

It will be noticed that the outer wall of the casing is slightly below the outer face of the sash, and a circumferential bead *a*, formed which is flush with the face of the sash. The object of this construction is that when the fastener is applied to the upper sash, the handles are made to extend only flush with the said bead and therefore flush with the face of the sash, which permits the upper sash to freely pass back of the lower sash as will be clearly understood. The fastener attached

to the lower sash is preferably, though not necessarily formed with handles which extend beyond the face of the sash to permit them to be more conveniently grasped. When applied to the upper sash, the outer wall will be sufficiently inside of the face of the sash to permit the latch to be placed therein so that the pawls can be locked, or either one locked independently, so that the movement of the sash will not be interfered with in either direction preferred, or if desired it can be permitted to move freely in both directions.

From the above construction it will be seen that I have produced a very simple and effective lock for window sashes, by means of which the sash can be locked against movement in either direction, the pivotal point or pin for the pawls also serving to secure the device in place, and the pawls capable of being readily locked out of contact with the window jamb.

Having thus described my invention, what

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

1. A sash fastener comprising a casing having an outer wall below the face of the sash, pawls pivoted within the casing having handles projecting through an opening in said casing and stopping inside of the face of the sash, and a spring for said pawls, substantially as set forth.

2. A sash fastener comprising a casing having two curved openings, pawls within the casing, a pivotal pin for the pawls, the pawls having handles extending through the curved openings, and a latch pivoted to the outer face of the casing between the adjacent ends of the curved openings and adapted to engage the said handles for the purposes specified.

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

NOAH W. MOTTINGER.

Witnesses:

M. A. BARBER,
S. B. DUNHAM.