9752X

M. Merriman,

Spring Bolt.

Patented June 20, 1836.

Fig. 1.

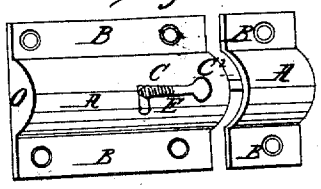
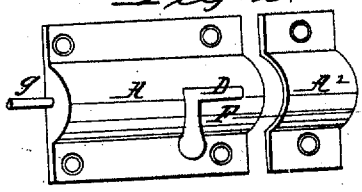


Fig. 2.



9752X June 20, 1836 469.

Marcus Merriman of New Haven, New Haven County, Conn

Letters Patent

The Schedule referred to in these Letters Patent and making part of the same Containing a description in the words of the said Marcus Merriman of his Improvement in the Spiral Spring Bell for fastening Window Sashes and doors and for other purposes

To all to whom these presents shall come Be it known that I Marcus Merriman of New Haven in the County of New Haven in the State of Connecticut have invented a new and useful Improvement in the Spring bell for fastening Window Sashes & doors and for other purposes and that the following is a full & exact description thereof. My improved Spring bell consists of the following parts viz. The bell and thumb piece with a Spiral Spring in Common for use and a Concave Semi Cylindrical Shell covering the Spring & bell as hereinafter set forth

They are all made of brass or any other suitable metal & may vary proportionally in size from one to inches in length according to the use intended. The size for ordinary sash fastening requires a shell of about one and an half inches in length. The shell is closed at both ends except an orifice in one end for the head of the bell & in the other for the shank of the bell to play in. On the sides of the shell are flanges with holes for screws to screw it in place. On the top of the shell is a groove for the neck of the thumb piece & shelf in commencing the thickness of the shell back of the front & extending back as far as the head of the bell projects.

The groove then turns at right angles & forms a notch for the neck of the thumb piece made a little hollowing towards the front. The bell is as much longer than the shell as it projects beyond it. The head is made round terminating in a shank of less size and of about half the length of the bell. When the bell is in place it plays thro' the orifice in the end of the shell. On the shank of the bell is placed a spiral spring which by pressing between the end of the shell and the shoulder of the head projects it forward till checked by the neck of the thumb piece at the end of the groove.

1830. 9752X

the rack passing loosely through the groove is firmly attached to the bolt so as thereby to limit the expansion of the spring and projection of the bolt.

The object intended and effected by this improvement is that when the bolt is drawn back & the neck of the thumb piece is turned into the notch it is there held fast by the force of the spring & unlocked. This bolt is peculiarly adapted to sash window sashes when shut & in place. Being attached to the top rail of the lower sash causes the bolt entering a hole of similar shape in the sheet on the top of the lower rail of the upper sash, both are made fast. & by locking the bolt back in the notch of the groove, when the sashes are open both sashes are prevented from being withdrawn from the bolt. For further illustration I refer to the models & drawings deposited in the Patent office.

What I claim as my invention, and the same I desire to secure to myself by Letters Patent is the application of the slide notch & spiral spring bolt, by the combination of the several parts, in the manner and for the purposes above specified: By means of which a spiral spring bolt when drawn back may be readily & easily locked & turned in place & secured

Witness Silas Wells Patent Office 22 1831

Witnesses
Edm. Simeon Baldwin
1836 Ebenezer Baldwin

Marcus Morrison

Drawing 690 words