Dec. 20, 1927. 1,653,553

L. EDELMANN

WINDOW ANTIRATTLER

Filed March 27, 1926

Fig. 1.

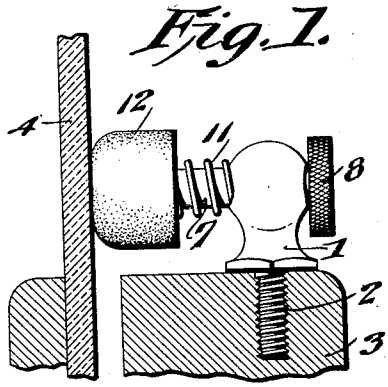


Fig. 2.

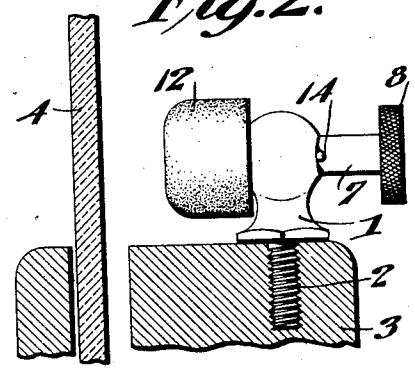


Fig. 3.

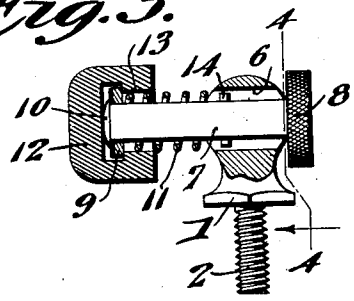


Fig. 4.

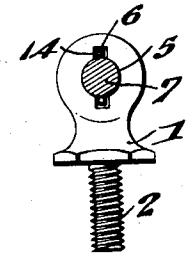


Fig. 5.

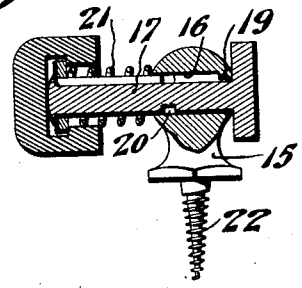


Fig. 6.

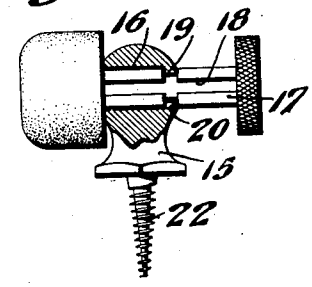


Fig. 7.

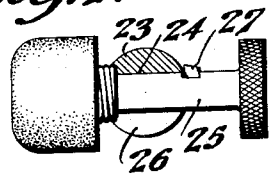
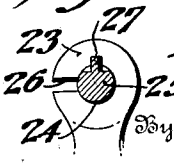


Fig. 8.



Inventor

Leo Edelmann

By Lloyd W. Batch

Attorney

Patented Dec. 20, 1927. 1,653,553

UNITED STATES PATENT OFFICE.

LEO EDELMANN, OF CHICAGO, ILLINOIS.

WINDOW ANTIRATTLER.

Application filed March 27, 1926. Serial No. 97,973.

My invention relates to a window anti-rattler, and particularly to a device of this character intended and adapted for use upon automobile windows and in other connections to eliminate rattling due to vibration or other causes.

An object of this invention is to provide means by which the window is held under spring tension and to thus eliminate the necessity of the manual manipulation of screw, cam, or other clamping means.

A further object resides in so constructing the parts that the anti-rattler can be quickly and conveniently released from the window holding position.

Still another object lies in providing a window anti-rattler of few and simple parts which can be cheaply manufactured and assembled, and which is of such construction that it will not be readily broken or damaged by the shocks and wear of use.

With the above and other objects in view which will be apparent to those skilled in the art, my invention includes certain novel features of construction and combinations of parts which will be set forth in connection with the drawing.

In the drawing:

Figure 1 is a view in elevation showing my invention applied and in position to hold a window.

Figure 2 is a view similar to Figure 1 showing the device released.

Figure 3 is a longitudinal sectional view through the structure.

Figure 4 is a sectional view on line 4—4 of Fig. 3.

Figure 5 is a longitudinal sectional view through a modified construction with the parts in the window holding position.

Figure 6 is a view similar to Fig. 5 with the parts released.

Figures 7 and 8 are horizontal and vertical sections through another modified construction.

A supporting post 1 has a screw 2 thereon to be received in the molding or window frame 3 so that the body of the supporting post is rigidly mounted adjacent the window glass 4. The body of the supporting post is bored through transversely as at 5, and is channeled longitudinally, as at 6, along the side of said bore 5 at one or more points.

In mounting the supporting post in place the body is positioned with the bore 5 extending at right angles to the window glass 4, and a latch post 7 is loosely received within the bore 5 to be slidably mounted for movement toward and away from the glass 4. A thumb gripping handle 8 is provided on one end of the post 7 and a washer 9 is secured in place on the remaining end by heading over this end as at 10. A coil spring 11 is mounted around the latch post 7 between the supporting post and this washer 9, and this spring normally urges the post 7 to the position as illustrated in Figures 1 and 3, with the thumb gripping head 8 engaging the supporting post.

A rubber bumper tip 12 is recessed as at 13 to fit over the washer 9 and loosely receive spring 11, and as the head 8 is grasped the latch post 7 is withdrawn against the tension of spring 11 this spring will be compressed substantially within the orifice 13 and the bumper tip 12 is retracted toward the body of the supporting post 1. A pin, lug, or other projection or abutment 14, is provided on the latch post 7, this abutment being of the size to slide freely within the channel or way 6. The abutment 14 is so located that when the latch post is retracted to the position shown in Figure 2, where it is disengaged from the glass 4, the abutment is entirely removed from the channel 6, and then a slight axial twisting movement of the latch post will throw this abutment to a position to engage with the supporting post and retain the latch post in the retracted position.

With the modified construction as illustrated in Figures 5 and 6, the supporting post 15 has a bore 16 extending therethrough and the latch post 17, is slidably mounted in this bore. The latch post is provided on one side with a longitudinal channel 18 and the supporting post 15 has an abutment or projection 19 within the bore 16 slidably received in this channel 18. The peripheral channel 20 is provided to cross the longitudinal channel 18, and when the latch post 17 is retracted against the tension of spring 21, this peripheral channel 20 is in alinement with abutment or projection 19 and a slight axial twisting or turning of the latch post will dispose this post with the abutment in channel 20, where the latch post is held in the retracted position. To release the latch post it is only necessary to rotate the same sufficiently to bring the abutment into registering relation with the longitudinal channel and the latch post is then free to slide forward to bring the rubber bumper

tip 12 into the proper bearing and holding position against the glass 4.

In Figures 7 and 8, the supporting post 23 has a bore 24 therethrough to slidably receive latch post 25, and one side of the post 23 is cut, slotted, or channeled through to this bore, as at 26. The latch post is deformed or pressed out to form the projection or abutment 27 which holds the latch post in the retracted relation.

While I have shown a machine screw 2 in connection with the main embodiment and a wood screw 22, in the modified construction, as the mounting means, it will be appreciated that the supporting post can be mounted and held in any desired way and that other changes and variations can be made in the form, construction and assembly of the parts without departing from the spirit and scope of my invention.

I claim:

1. A window anti-rattler comprising a supporting post to be mounted adjacent a window and provided with a transverse bore, a latch post slidably mounted in the bore, a spring normally urging said latch post to one extreme of movement, an abutment on one of said posts to hold said latch post in a retracted position when moved to its other extreme against the tension of the spring, and a bumper tip on the end of the latch post adjacent the spring to engage with a window when the latch post is moved under spring pressure, said bumper tip being recessed to clear the spring and substantially house said spring when the latch post is moved to its retracted position.

2. A window anti-rattler comprising a supporting post provided with a transverse bore and adapted to be mounted adjacent the window, a latch post slidably and revolubly fitted through the bore, a bumper tip on one end of the latch post, a spring mounted on the latch post between the bumper tip and the supporting post to resiliently urge said latch post to a position with the bumper tip engaging the window, one of said posts being channeled on a line parallel with the axis of the bore, and an abutment on the remaining post received in the channel to guide the latch post and to hold the same in a retracted position when the latch post is withdrawn against the pressure of the spring and is slightly revolved, said bumper tip being recessed to clear the spring and substantially house said spring when the latch post is moved to its retracted position.

In testimony whereof I hereunto affix my signature.

LEO EDELMANN.