Aug. 31, 1926. 1,597,837

J. E. STALEY.

ANTIRATTLER FOR WINDOWS

Filed Sept. 5, 1925

Fig. 1.

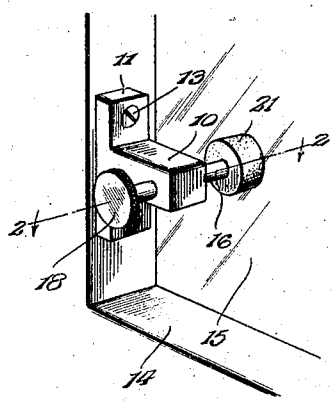
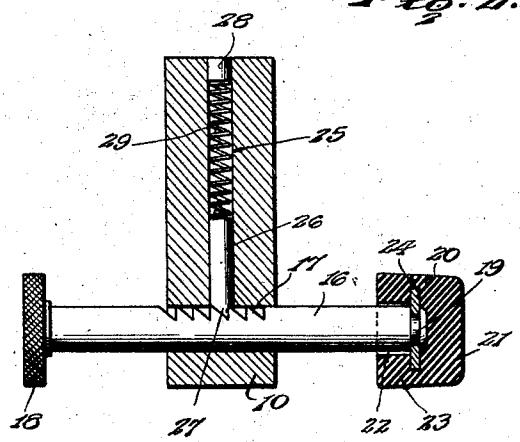


Fig. 2.



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Patented Aug. 31, 1926.

1,597,837

UNITED STATES PATENT OFFICE.

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ANTIRATTLER FOR WINDOWS.

Application filed September 5, 1925. Serial No. 54,753.

This invention relates to an improved anti-rattler for windows and while being well adapted for general use is, nevertheless, particularly designed for use in connection with the windows of automobiles.

The invention seeks, among other objects, to provide a simple and efficient device which may be readily attached to a window casing and adjusted to press against the window for preventing the rattling thereof.

The invention seeks, as a further object, to provide a device embodying a thrust rod having a yieldable tip to cooperate with the window, and wherein the rod may be slidably adjusted forwardly to engage said tip with the window when the rod will be locked in adjusted position.

A further object is to provide a device wherein the rod may be turned in either one direction or the other to effect release thereof, when the rod may be slidably retracted.

Still another object is to provide a device wherein the locking pawl employed will be housed by and concealed within the bracket of the device.

And the invention seeks, as a still further object, to provide a novel mounting for the tip and wherein the tip may be readily displaced and renewed.

Other objects of the invention not above specifically mentioned will appear in the course of the following description.

In the accompanying drawings:—

Figure 1 is a perspective view showing my improved anti-rattler applied.

Figure 2 is a horizontal sectional view on the line 2—2 of Figure 1, looking in the direction indicated by the arrows.

In carrying the invention into effect, I employ a substantially T-shaped bracket provided with an arm 10 rectangular in cross section, and projecting from the inner end of the arm are oppositely directed lateral lugs 11 apertured to receive screws or other suitable fastening devices 13 securing the bracket to a window casing as conventionally illustrated at 14. In connection with the window casing, I have shown an ordinary automobile window 15. Slidably and rotatably fitting through the arm near its outer end is a transversely disposed thrust rod 16 which is provided at one side thereof with a series of teeth 17 having straight rear edges, and fixed to the rear end of the rod is a knob 18, the periphery of which is preferably milled so that the knob may be readily grasped. At its forward end the rod is provided with a reduced stud 19 surrounding which is a circular head or washer 20 and, as shown in Figure 2, the stud is upset at its outer end for permanently securing the head in position. Fitting over the head is a yieldable tip 21 which is preferably of rubber, and formed in the tip from the rear side thereof is an axial recess 22 freely accommodating the forward end of the rod 16 and defining a skirt 23 upon the tip. Near the inner end of said recess the tip is provided with a radial annular channel 24 snugly accommodating the head 20 and the tip is formed to tightly grip the head for firmly securing the tip in position. However, by flexing the skirt 23 of the tip, the tip may be disengaged from the head 20 and slipped forwardly over the head so that, as will be seen, the tip may be readily detached and renewed.

Formed in the arm 10 from the base end of the bracket is a longitudinally extending bore 25 and slidably fitting in said bore is a pawl 26 provided at its outer end with a tooth 27 to coact with the teeth 17 of the rod 16. Fixed in the inner end of the bore 25 is a closure plug 28, and interposed between said plug and the pawl is a spring 29 pressing the pawl forwardly to bear against the rod.

As will now be seen, the knob 18 may be grasped and the rod 16 slidably shifted forwardly to engage the tip 21 with the window 15 and press laterally thereagainst. The tooth 27 of the pawl 26 will then drop behind one of the teeth 17 of the rod for locking the rod in adjusted position. Thus, the device will function to prevent rattling of the window. Should it be desired to raise or lower the window, the rod 16 is turned in either one direction or the other to dispose the teeth 17 on the rod out of alinement with the pawl, when the rod may be slidably retracted for freeing the window.

Having thus described the invention, what I claim is:—

1. A device of the character specified, comprising a bracket, a member disposed transversely of the bracket and mounted therein, both for rotative and sliding movement, and a pawl concealed within the

bracket and automatically engageable with the said member to lock the same against casual retrograde movement and releasable therefrom by a partial rotation of the member in each direction, whereby to admit of said member being moved freely through the bracket in either direction.

2. A device of the character specified, comprising a bracket having intersecting transverse and longitudinal openings, the latter extending through the base of the bracket, a spring actuated pawl located in the longitudinal opening, and a member slidably and rotatably mounted in the transverse opening, and having a line of teeth along a side to be engaged by the said pawl to lock the member in forward adjusted position, rotation of the member in each direction releasing the pawl and admitting of free longitudinal movement of the member in either direction.

In testimony whereof, I affix my signature.

JOHN ERVIN STALEY. [L. S.]