

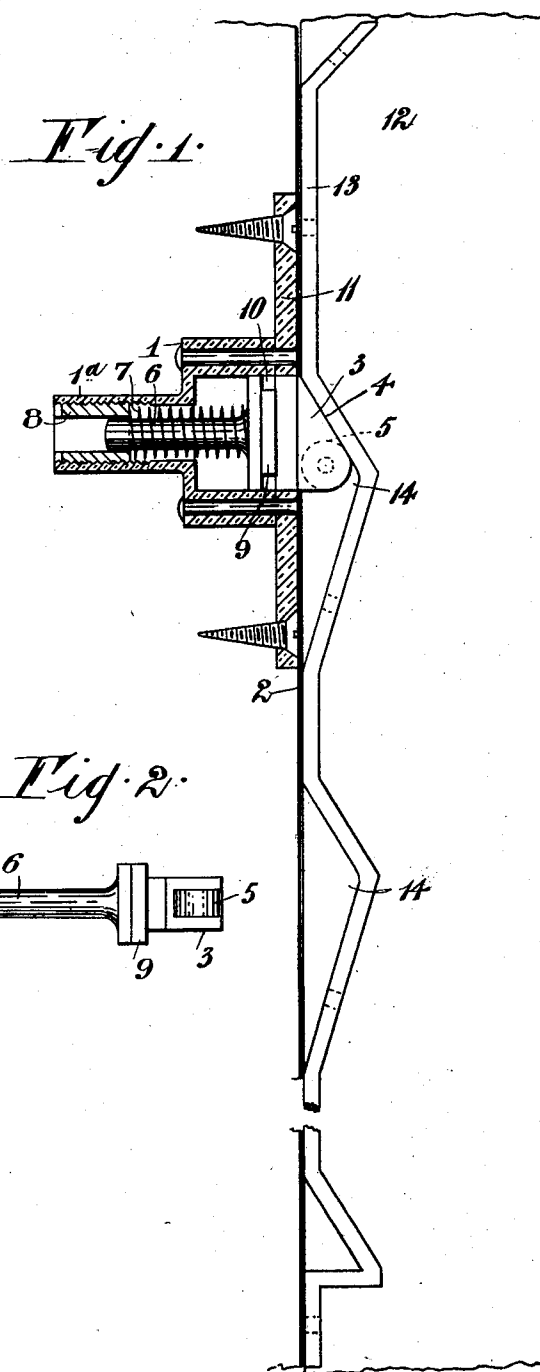
No. 733,790.

PATENTED JULY 14, 1903.

J. T. & C. M. YOUNG.
AUTOMATIC SPRING CATCH FOR SLIDING SASHES.

APPLICATION FILED FEB. 17, 1903.

NO MODEL.



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN THOMAS YOUNG, OF WILLIAMSTOWN, AND CHARLES MEREDITH YOUNG, OF NORTH BENDIGO, VICTORIA, AUSTRALIA, ASSIGNORS TO SAID JOHN THOMAS YOUNG AND JOHN WREN, OF KEW, VICTORIA, AUSTRALIA.

AUTOMATIC SPRING-CATCH FOR SLIDING SASHES.

SPECIFICATION forming part of Letters Patent No. 733,790, dated July 14, 1903.

Application filed February 17, 1903. Serial No. 143,824. (No model.)

To all whom it may concern:

Be it known that we, JOHN THOMAS YOUNG, coach-builder, residing at 120 Bay View street, Williamstown, and CHARLES MEREDITH YOUNG, carpenter and joiner, residing at View street, North Bendigo, Victoria, Australia, subjects of the King of Great Britain, have invented an Improved Automatic Spring-Catch for Sliding Sashes of Windows, Louvers, &c., of which the following is a specification.

This invention relates to means for securing and retaining sashes of windows, louvers, &c., automatically in any desired position by simply raising or lowering them; and it is particularly applicable for the windows and louvers or shutters of railway-carriages and tram-cars.

Referring to the accompanying drawings, Figure 1 is a vertical section of part of a door and window frame with our improvements attached thereto. Fig. 2 is a plan of the catch.

Within a metal casing 1 on the jamb 2 of the sash-frame or on the inside of the pillar of the door-frame, as the case may be, is fitted a bolt with a head 3, beveled on one side, as at 4, and provided with an antifriction-roller 5, while around its shank 6 is coiled a spring 7, whose compression is regulated by an adjusting-nut 8, which may be screwed laterally within an extension 1^a of the casing. In order to prevent any jarring or rattling, a rubber packing 9 is slipped over the head of the bolt, and resting in the groove 10 therein bears against the inner face of the casing 1. The reference character 11 denotes the face-

plate of the casing 1. Lengthwise of the stile 12 of the sash, adjacent to the jamb in which the bolt is fitted, we screw a long metallic wearing and catch plate 13, having a series of beveled recesses 14 at intervals, with which the spring-bolt automatically engages, the strength of the spring being sufficient to hold the frame in suspension when the bolt is in engagement, while the bevel of both the bolt-head and recess allows of the window-sash being readily moved up or down with but little force.

Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we claim is—

An automatic spring-catch for sliding sashes of windows, louvers, &c., comprising a bolt having a beveled head provided with an antifriction-roller, a rubber packing for said bolt, a spiral spring around the shank of said bolt, an adjusting-nut thereon in combination with a metallic catch-plate provided with a series of beveled recesses adapted to receive the head of the bolt substantially as shown and described.

In testimony whereof we have hereunto set our hands in presence of two subscribing witnesses.

JOHN THOMAS YOUNG.

CHARLES MEREDITH ^{his} X YOUNG.
mark

Witnesses:

EDWARD WATERS,
EDWIN WILSON.