

No. 753,985.

PATENTED MAR. 8, 1904.

J. KIRBY, JR.
FIXTURE FOR HANGING SASH.
APPLICATION FILED DEC. 29, 1903.

NO MODEL.

Fig 1.

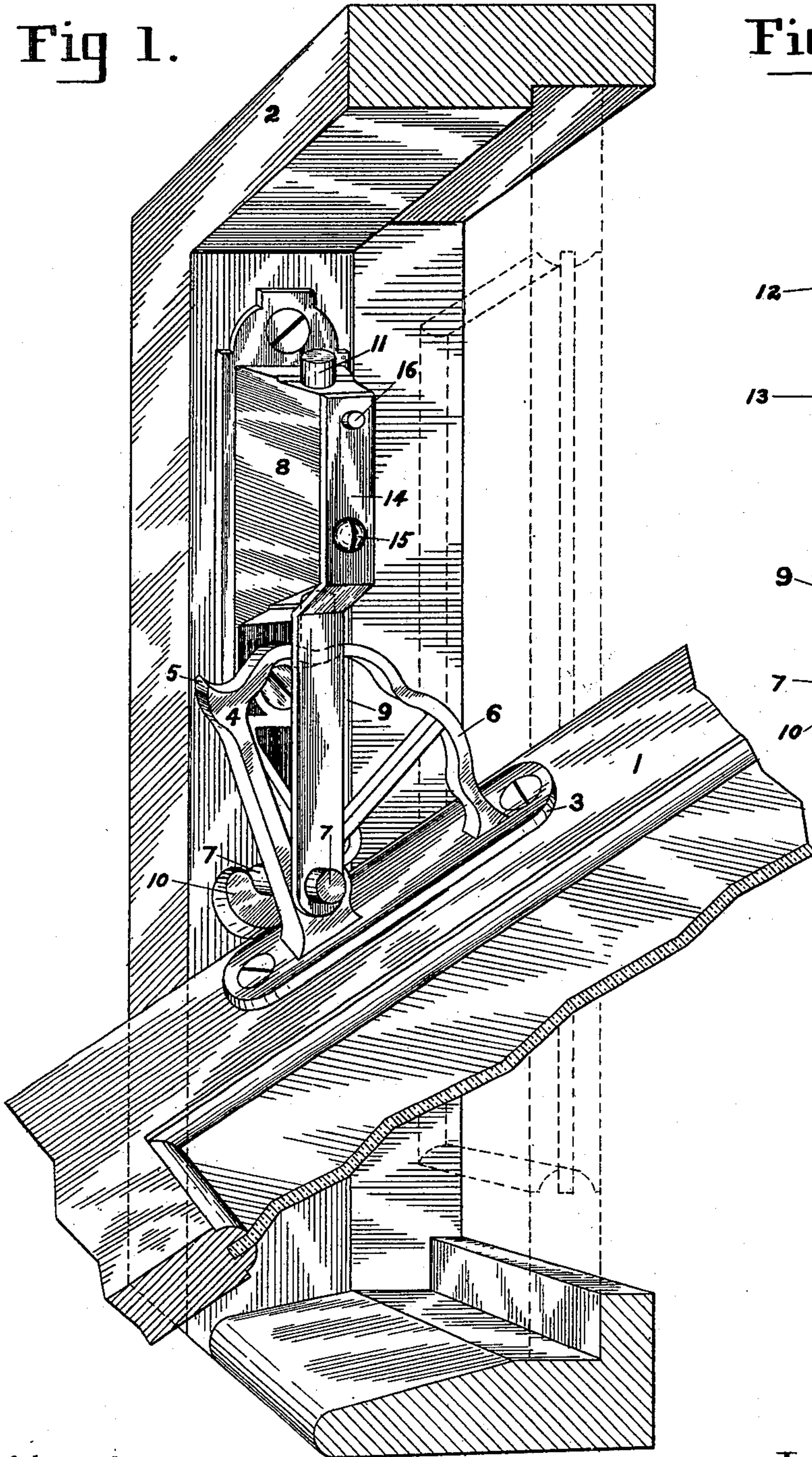
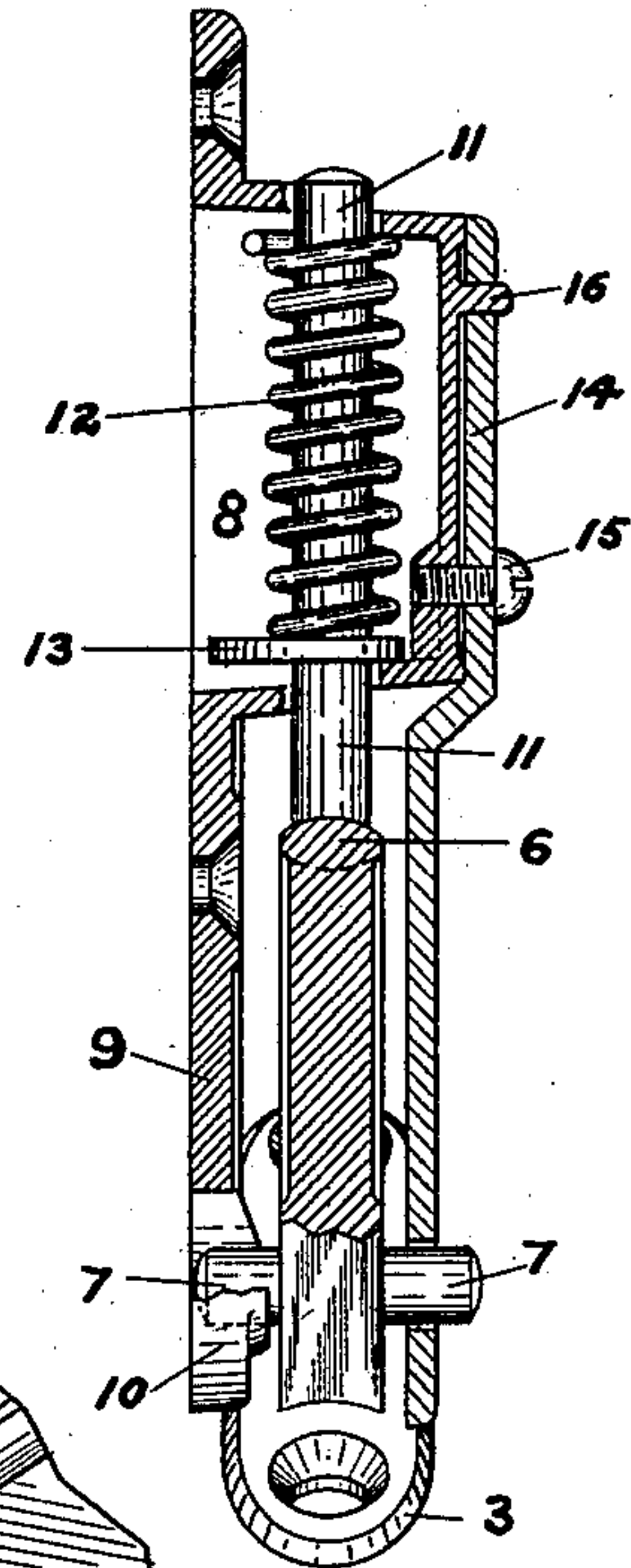


Fig 2.



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JOHN KIRBY, JR., OF DAYTON, OHIO, ASSIGNOR TO THE DAYTON MANUFACTURING COMPANY, OF DAYTON, OHIO.

FIXTURE FOR HANGING SASH.

SPECIFICATION forming part of Letters Patent No. 753,985, dated March 8, 1904.

Application filed December 29, 1903. Serial No. 186,987. (No model.)

To all whom it may concern:

Be it known that I, JOHN KIRBY, Jr., a citizen of the United States, and a resident of the city of Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Fixtures for Hanging Sash; 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 appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, as forming a part of this specification.

My invention relates to combined deck-sash ratchets and pivots for hanging sash in the decks of railroad-cars and other places.

On many railroads it has become a common custom for employees, particularly postal clerks, to remove without authority the deck-sash from their positions in the decks of mail cars, and which when the sash are hung on pivots of the type to which my invention appertains is without my improvement a matter of easy accomplishment; and the object of my invention is to prevent or make more difficult the undue removal of the sash; and it consists in providing the fixture with means which must be removed therefrom before the sash can be removed from its mountings.

The invention is designed to be an improvement upon the device shown and described in United States Letters Patent No. 746,495, issued to John H. Glassburn, December 8, 1903, and which device does not contemplate the performance of all functions of my present improvement, as will be hereinafter more clearly shown.

In the accompanying drawings, which form a part hereof, Figure 1 is a perspective view of the complete fixture in operative position in conjunction with the sash and its casing, and Fig. 2 is a vertical section of the fixture detached from the sash and casing.

In the said drawings similar numeral references indicate corresponding parts throughout both figures.

1 designates the sash; 2, the frame; 3, a pivot-plate adapted to be attached to the outside of

the sash at each end thereof by screws or other suitable means. This plate 3, is provided with a projecting arm or bracket 4, extending from said plate and terminating in a stop 5 and having a curved section 6, extending back to and uniting with the plate 3, the whole forming what is usually termed the "segment" portion of the fixture. The said bracket 4 is provided with laterally-projecting pivots 7, either of which may form the center upon which the said segment turns, one of said pivots being formed on each side of the said bracket 4, so that the same segment may be used at either end of the sash.

8 designates a casing having an extension-plate 9, adapted to be secured to a frame and provided with a hook-shaped seat or bearing 10, in which seat or bearing one of the pivots 7 journals, the other of said pivots being idle and performing no function except in conjunction with my improvement, hereinafter described. Within the said casing is a spring-actuated bolt 11 movable through the ends of the casing and having bearings therein, the lower end of said bolt being rounded or beveled to permit of its free operation in corrugations formed on the surface of the said curved section 6, the contour of the said corrugations being such as to form a rest in each of the same and to hold the sash in either of the several positions represented by the said corrugations through the medium of the said bolt 11, operating under pressure exerted by a coiled spring 12, surrounding the same and having one of its ends bearing against a collar 13, formed on the bolt, and its other end bearing against the upper inner end of the casing. The said collar 13 acts as a stop to limit the movement of the bolt when released from engagement with the said corrugations, and being parallel with the sides of the casing it prevents turning of the bolt therein.

To the face of the casing 8 there is attached a retaining-guard 14, which extends therefrom down over the said segment and engages the idle pivot 7, as shown in the drawings. This guard may be of any suitable shape that will serve its purpose, and its function is to lock the engaging pivot of the segment in its bear-

ing 10 of the plate 9, and thereby prevent the removal of the sash until the said guard is removed. It will be observed that as the segment to which the sash is secured is held between the bearing 9 through the medium of pivot 7 and the end of bolt 11 the sash can in the absence of said retaining-guard when partially open be lifted out of its bearings by exerting sufficient upward force to overcome the pressure of spring 12 and that it can be removed from the frame and replaced in its bearings in the same manner, and it will also be observed that with the retaining-guard applied to the fixture, as hereinbefore set forth, pivot 7 of the segment cannot be mounted in bearing 9 and that the retaining-guard must therefore be removed before the sash can be placed in or removed from its position in the frame.

From the foregoing description of my invention it will be understood that while it accomplishes the object set forth and claimed in said Patent No. 746,495 it also performs the further function of locking the sash in position.

For convenience in manufacture and application I attach the retaining-guard to the fixture by means of a screw 15, which passes through the said guard and is threaded into

the face of the casing 8 near the lower end thereof, there being at or near the upper end of the casing a stud 16, which engages an aperture in the retaining-guard and prevents lateral or other movement thereof.

I disclaim the invention set forth in said Patent No. 746,495, but do not limit my invention to the exact construction herein described, and

Having thus fully described the same, I claim as new and desire to secure by Letters Patent—

In a fixture for mounting sash, a casing containing a spring-actuated bolt and having an extension-plate provided with a pivot-seat, a segment provided with a projecting pivot operative in said seat and having a corrugated member operative in conjunction with said bolt, in combination with a retaining-guard removably attached to said casing and being in pivotal engagement with said segment.

In testimony whereof I herewith affix my signature, in presence of two witnesses, this 22d day of December, 1903.

JOHN KIRBY, JR.

Witnesses:

N. EMMONS, Jr.,

PETER LEIDENGER.