

(No Model.)

E. F. STEARNS.

COMBINED SASH LOCK AND ANTIRATTLING DEVICE.

No. 566,877.

Patented Sept. 1, 1896.

Fig. 1

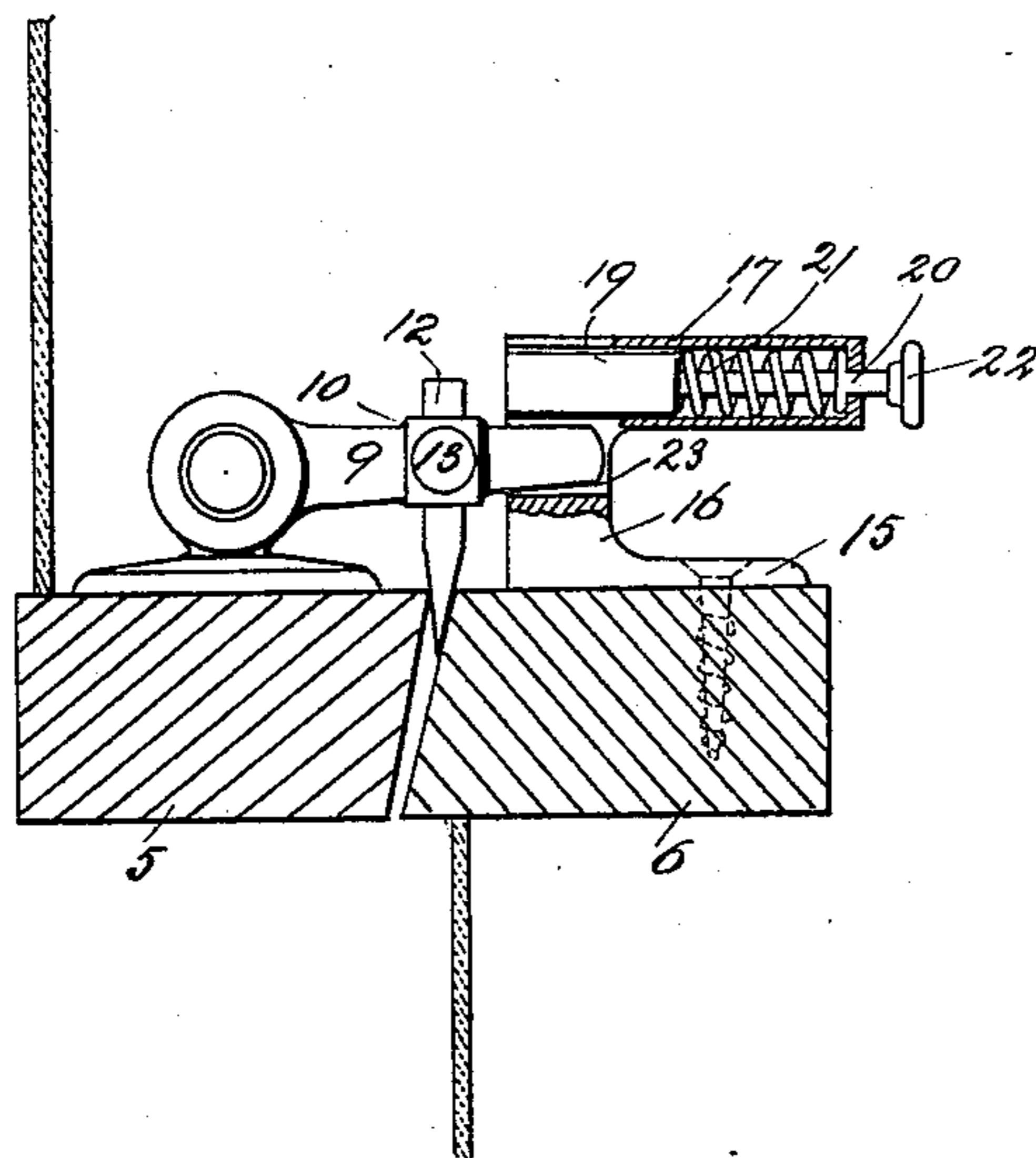


Fig. 2

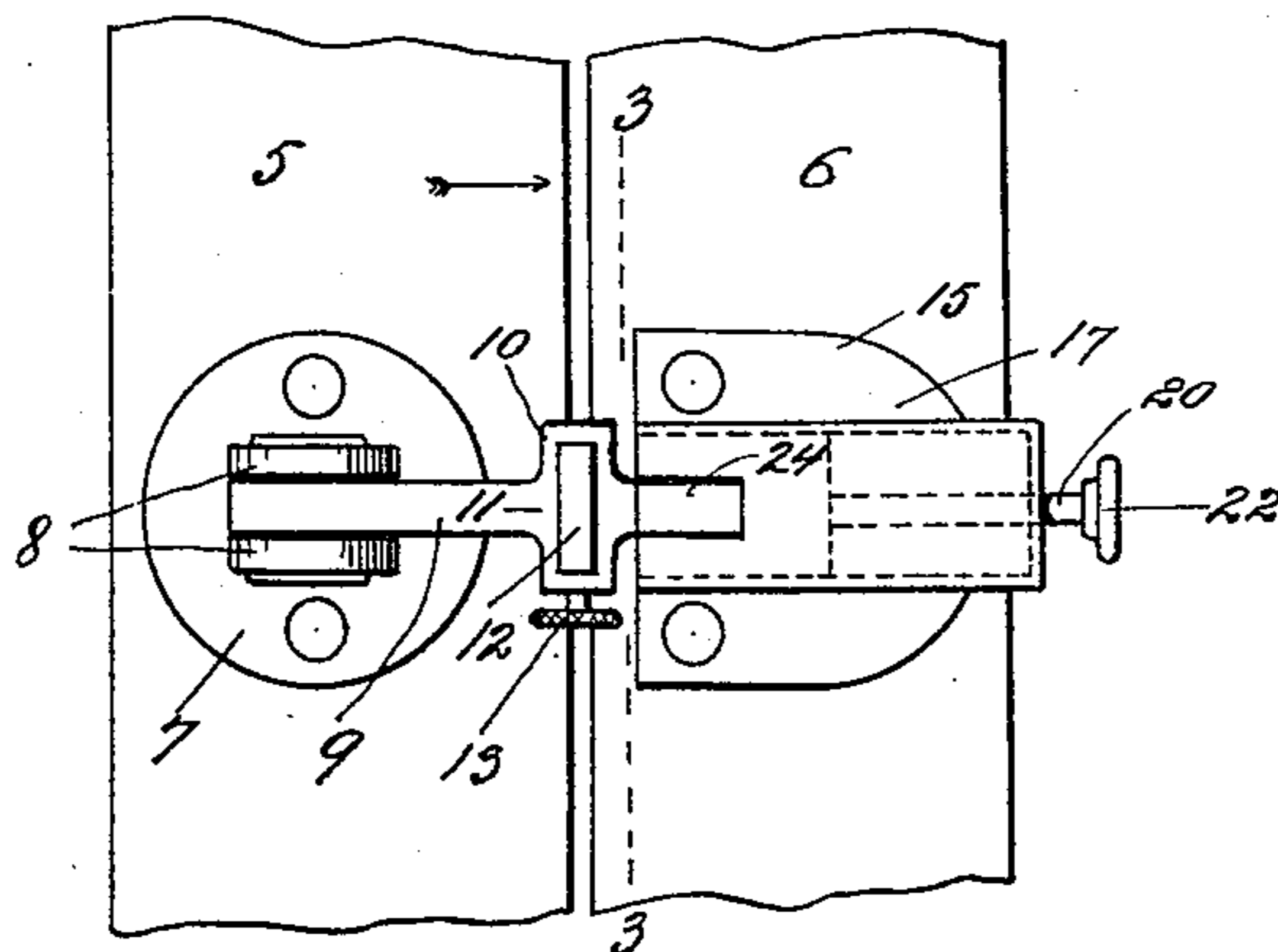
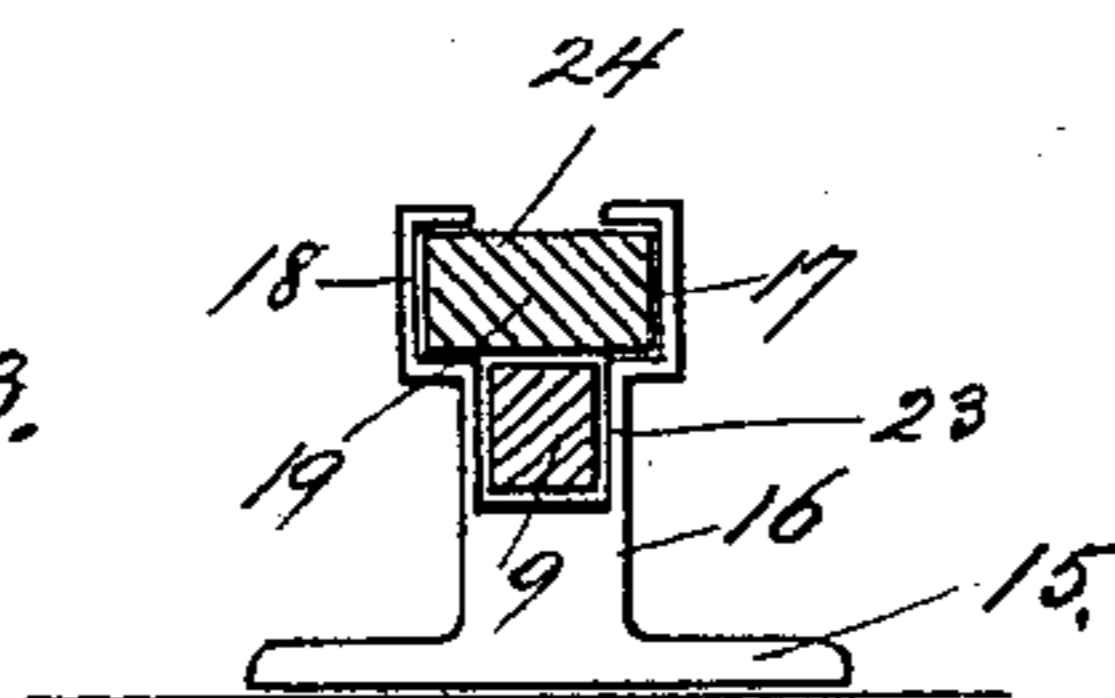


Fig. 3



WITNESSES

C. Nordfors
C. Gerst.

INVENTOR

Edgar F. Stearns.

BY
Edgar F. Stearns
ATTORNEYS

UNITED STATES PATENT OFFICE.

EDGAR F. STEARNS, OF BROOKLYN, NEW YORK.

COMBINED SASH-LOCK AND ANTIRATTLING DEVICE.

SPECIFICATION forming part of Letters Patent No. 566,877, dated September 1, 1896.

Application filed July 8, 1896. Serial No. 598,414. (No model.)

To all whom it may concern:

Be it known that I, EDGAR F. STEARNS, a citizen of the United States; and a resident of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in a Combined Sash-Lock and Antirattling Device, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar numerals of reference indicate corresponding parts wherever found throughout the several views.

This invention relates to fastening devices for windows and to means for preventing the rattling thereof; and the object of the invention is to provide an improved device of this class which consists of two parts, one of which is adapted to be secured to the lower part of the upper sash and the other to the upper part of the lower sash, the construction and operation being substantially as hereinafter described.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which—

Figure 1 is a transverse section of the lower part of the upper sash and the upper part of the lower sash of a window, showing my improved lock and antirattling device connected therewith, part of the construction being shown in section; Fig. 2, a plan view thereof, and Fig. 3 a partial section on the line 3 3 of Fig. 2.

In the drawings forming part of this specification I have shown at 5 the lower part of the upper sash of a window, and at 6 the upper part of the lower sash, and in the practice of my invention I provide a combination lock and antirattling device, which consists of two separate parts, one of which is connected with the lower part of the upper sash and the other with the upper part of the lower sash.

That part of the device which is connected with the lower part of the upper sash consists of a plate 7, having vertical jaws 8 formed thereon, between which is pivoted an arm or lever 9, which is provided centrally with a cross-head 10, in which is formed a slot 11, in which is mounted a vertically-movable wedge 12, which is adapted to enter the space be-

tween the upper and lower sashes, as shown in Fig. 1, and said wedge is held in any desired position by a set-screw 13.

That part of the device which is secured to the upper part of the lower sash consists of a plate 15, having at the outer end thereof an upwardly-directed shoulder or projection 16, on which is formed an inwardly-directed arm 17, which is angular in cross-section and provided with a central longitudinal angular chamber 18, in which is mounted a locking-bolt 19, which is provided with a shaft 20, which passes through the end of the arm or lever 17, and on which is mounted a spiral spring 21, said shaft being provided with a head 22, and the object of the spring 21 is to force the bolt 19 backwardly or outwardly, and the upwardly-directed shoulder or projection 16 is provided with an opening 23, which is adapted to receive the free end of the arm or lever 9, and formed in the upper and lower sides of the outer end of the arm 17 are longitudinal slots or passages 24, through which said end of the arm or lever 9 passes.

The operation will be readily understood from the foregoing description, when taken in connection with the accompanying drawings and the following statement thereof.

When it is desired to lock the sashes together, so as to prevent the raising of the lower sash or the lowering of the upper sash, the lever 9 is swung downwardly into the position shown in Figs. 1 and 2, the locking-bolt 19 being drawn outwardly to permit of this operation, and said locking-bolt being released it is thrown outwardly into the position shown in said Fig. 1 and the arm or lever 9 locked into position thereby, and in this operation the wedge 12 passes between the sashes and forces them apart and prevents the rattling thereof, as will be readily understood.

This device is simple in construction and operation and is perfectly adapted to accomplish the result for which it is intended, while being also comparatively inexpensive, and it is evident that changes in and modifications of the construction herein described may be made without departing from the spirit of my invention or sacrificing its advantages.

Having fully described my invention, I claim as new and desire to secure by Letters Patent—

1. The herein-described sash-lock for windows, which consists of a plate which is adapted to be secured to the lower part of the upper sash, and provided with a pivoted or hinged arm or lever, and a similar plate adapted to be secured to the upper part of the lower sash, said plate being provided with an upwardly-directed shoulder or projection having a horizontal arm connected therewith, in which is mounted a spring-operated bolt, and said shoulder or projection being provided with a passage or opening adapted to receive the free end of said arm, and the corresponding end of the arm in which the spring-operated bolt is mounted, being provided in its upper and lower sides with slots or openings through which the end of said lever passes, substantially as shown and described.

2. The herein-described sash-lock for windows, which consists of a plate which is adapted to be secured to the lower part of the upper sash, and provided with a pivoted or hinged arm or lever, and a similar plate adapted to be secured to the upper part of the lower sash, said plate being provided with an upwardly-directed shoulder or projection, having a horizontal arm connected therewith, in which is mounted a spring-operated bolt, and said shoulder or projection being provided with a passage or opening adapted to receive the free end of said arm, and the corresponding end of the arm in which the spring-operated bolt is mounted, being provided in its upper and lower sides with slots or openings through which the end of said lever

passes, and said lever being also provided with a transverse opening in which is mounted a wedge which is adapted to pass between the upper and lower sash, substantially as shown and described.

3. The herein-described sash-lock for windows, which consists of a plate, which is adapted to be secured to the lower part of the upper sash, and provided with a pivoted or hinged lever, and a similar plate adapted to be secured to the upper part of the lower sash, said plate being provided with an upwardly-directed shoulder or projection having a horizontal arm connected therewith, in which is mounted a spring-operated bolt, and said shoulder or projection being provided with a passage or opening adapted to receive the free end of said arm, and the corresponding end of the arm in which the spring-operated bolt is mounted, being provided in its upper and lower sides with slots or openings through which the end of said lever passes, and said lever being also provided with a transverse opening in which is mounted a wedge which is adapted to pass between the upper and lower sash, and said wedge being vertically adjustable and the locking-bolt being provided with a shaft which projects through the inner end of the arm in which it is mounted, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 6th day of July, 1896.

EDGAR F. STEARNS.

Witnesses:

W. W. HILL,

CHARLES S. ROGERS.