No. 778,276. PATENTED DEC. 27, 1904.

J. D. SANFORD.

SASH FASTENER.

APPLICATION FILED JUNE 22, 1904.

Fig. 1.

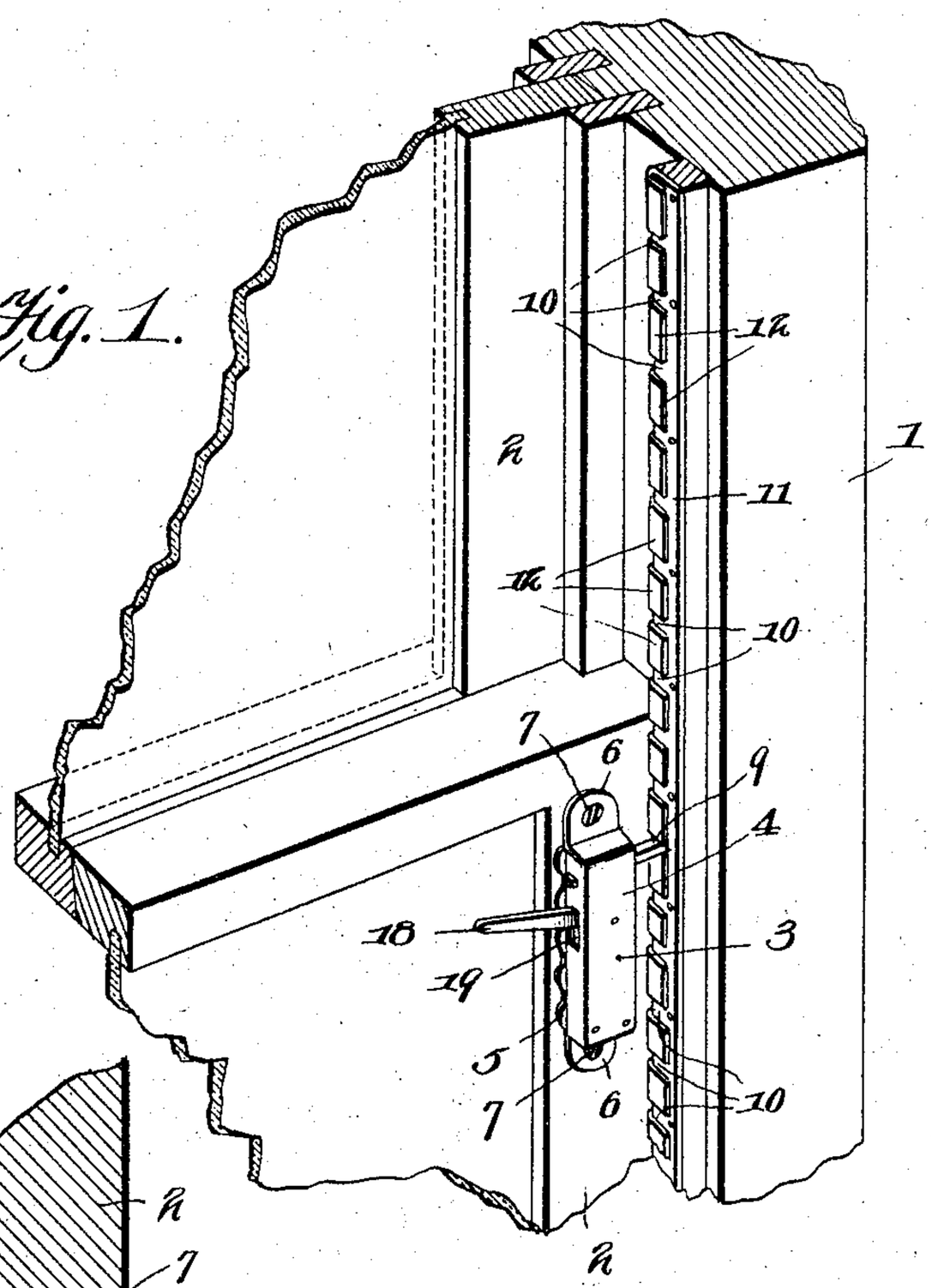


Fig. 2.

Fig. 4.

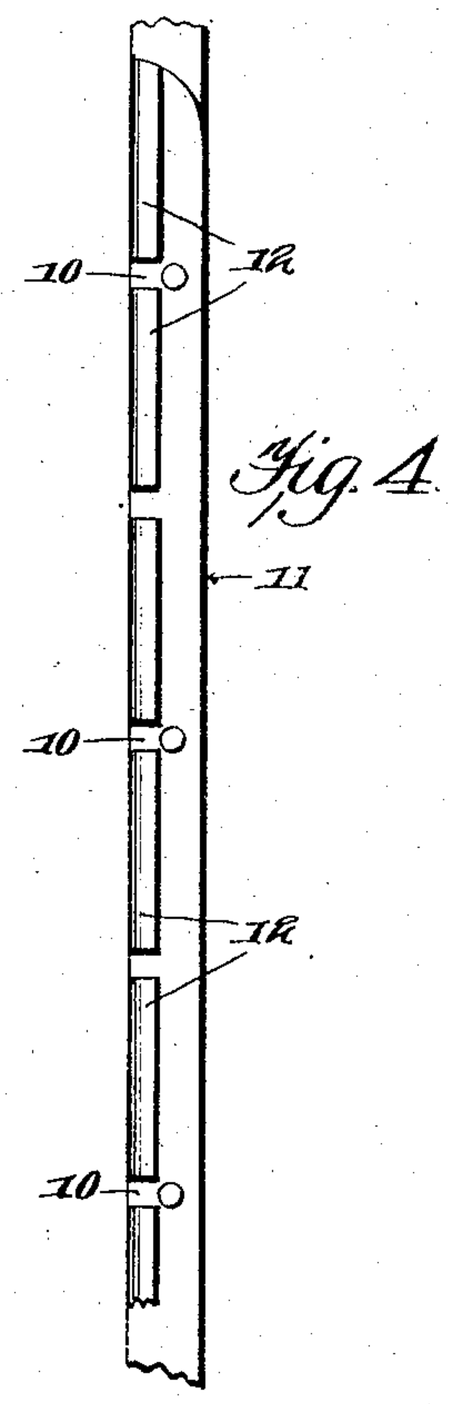
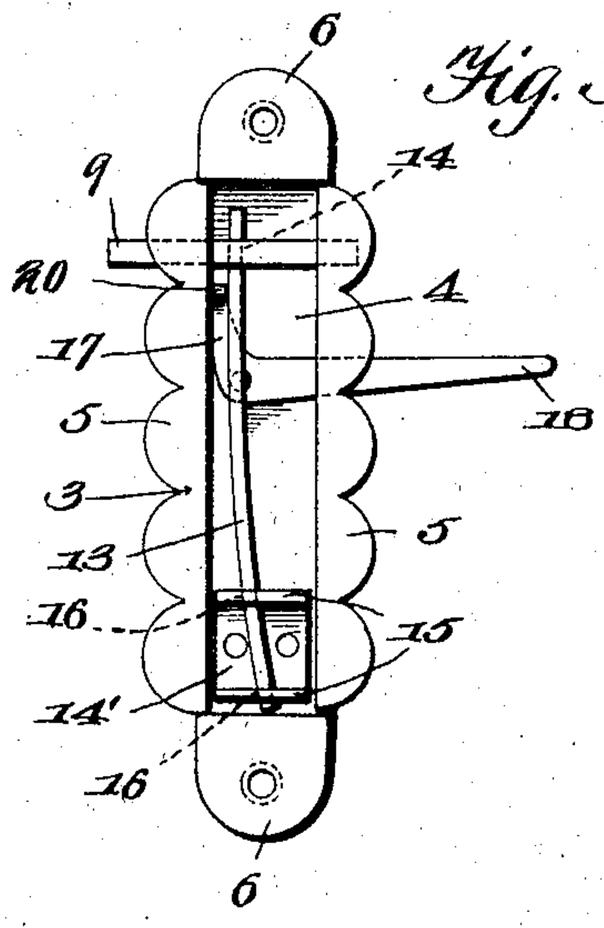


Fig. 3.



Witnesses

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No. 778,276. Patented December 27, 1904.

UNITED STATES PATENT OFFICE.

JAMES DOBBS SANFORD, OF WINCHELL, TEXAS.

SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 778,276, dated December 27, 1904.

Application filed June 22, 1904. Serial No. 213,710.

To all whom it may concern:

Be it known that I, JAMES DOBBS SANFORD, a citizen of the United States, residing at Winchell, in the county of Brown and State of Texas, have invented a new and useful Sash-Fastener, of which the following is a specification.

This invention relates to an improved sash-fastener, and has for its object the production of a simple, inexpensive, and efficient device of this character by means of which the window-sash may be securely locked in adjusted position and effectually prevented from rattling.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended, it being understood that various changes in form, proportions, and minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

In the accompanying drawings, forming a part of this specification, Figure 1 is a perspective view of a portion of window sash and casing, showing my improved fastener in position thereon. Fig. 2 is a longitudinal sectional view. Fig. 3 is a rear elevation of the lock or fastener detached. Fig. 4 is a front elevation of a portion of the rack detached.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

1 designates a window frame or casing of the ordinary construction, 2 the sash slidably mounted therein, and 3 my improved fastener.

The fastener consists of a shell or casing 4, preferably stamped from a single piece of metal and formed with side flanges 5 and end flanges 6, the latter being provided with perforations for the reception of screws or similar fastening devices 7, by means of which the fasteners may be secured in position on the window-sash. Slidably mounted in alined openings 8, formed in the opposite side walls of the casing and preferably at a point adjacent one end of the latter, is a locking-bolt 9, said bolt being adapted to engage any one of a series of notches or recesses 10 in a metal plate or bar 11, secured in any suitable manner to the window frame or casing, as shown. The rear edge of the plate 11 is curved upwardly and outwardly, forming bearing-surfaces 12 between the several notches or recesses, and against which the end of the bolt rests and is guided to the desired notch in adjusting the sash. The bolt 9 is normally held in engagement with the locking-notches by means of a spring 13, one end of which passes through a vertical opening 14 in said bolt, the opposite end thereof being supported in a bracket 14′, riveted or otherwise rigidly secured to the shell or casing. The bracket 14′ is provided with laterally-extending ears or lugs 15, having apertures 16 formed therein for the reception of the spring 13, said apertures being arranged out of alinement with each other, so as to cause the walls of said apertures to firmly grip the end of the spring and prevent accidental displacement of the same.

Pivoted within the shell or casing is a bell-crank lever 17, one end of which is provided with a handle 18, which passes through a slot 19 in the casing 5. The opposite end of the lever 17 is provided with a laterally-extended lip or lug 20, adapted to engage the spring 13 when the handle is depressed and withdraw the bolt from engagement with the notches in the plate 11, as will be readily understood.

In operation when it is desired to raise or lower the sash the handle 18 is depressed, thereby withdrawing the bolt from the locking recesses or notches and permitting the sash to be adjusted to the desired position. When the handle is released, the bolt will automatically engage the notches, thereby securely locking the sash and effectually preventing rattling of the same.

The fastener may be secured to either side of the window-sash, and, if desired, the bolt may be mounted in the upper portion of the shell or casing instead of the lower part thereof, in which event the operating-lever will be elevated to retract the bolt.

Having thus described the invention, what is claimed is—

1. In a device of the class described, a casing the side walls of which are provided with alined openings, a bolt slidably mounted in said openings, a spring engaging said bolt, and a bell-crank lever the short arm of which is provided with a laterally-extending lip adapted to engage the spring for reciprocating the bolt.

2. In a device of the class described, the combination with a plate, one edge of which is bent upwardly and outwardly and provided with a series of spaced bolt-receiving notches, of a casing, the side walls of which are provided with alined openings, a bolt slidably mounted in said openings and adapted to engage the locking-recesses, a spring disposed within the casing and engaging the bolt, and a bell-crank lever pivoted to said casing and adapted to engage the spring for retracting the bolt.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JAMES DOBBS SANFORD

Witnesses:
J. W. PRENTISS,
A. C. CHISM.