Mar. 27, 1923. 1,450,117

T. C. RUSH

WINDOW GUARD

Filed Apr. 18, 1922

Fig. 1.

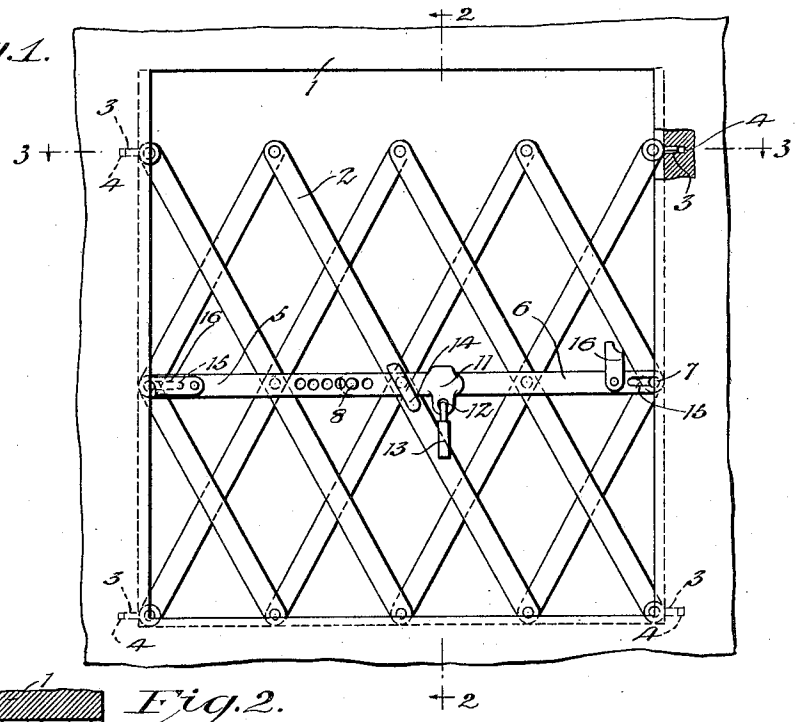


Fig. 2.

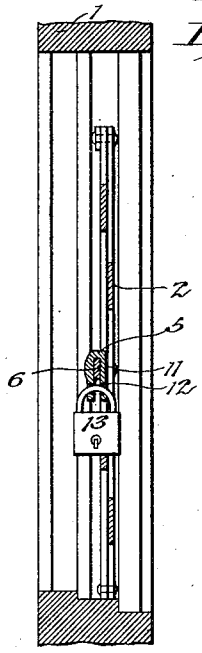


Fig. 3.

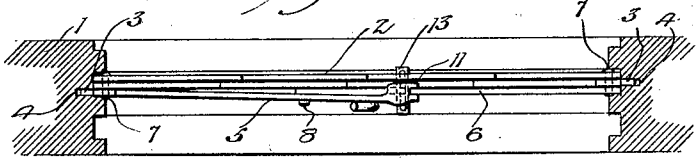


Fig. 4.

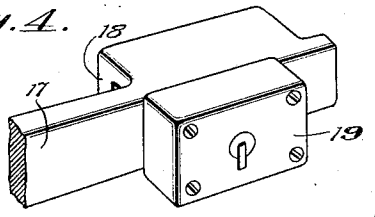
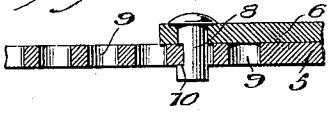


Fig. 5.



WITNESSES

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UNITED STATES PATENT OFFICE.

TURNER CLAY RUSH, OF LEXINGTON, KENTUCKY.

WINDOW GUARD.

Application filed April 18, 1922. Serial No. 554,654.

To all whom it may concern:

Be it known that I, TURNER C. RUSH, a citizen of the United States, and a resident of Lexington, in the county of Fayette and State of Kentucky, have invented a new and Improved Window Guard, of which the following is a full, clear, and exact description.

This invention relates to improvements in window guards, an object of the invention being to provide a device of this character capable of adjustment to suit various sized window frames.

A further object is to provide a window guard equipped with a novel form of latching and locking means for effectively preventing its unauthorized removal from a window frame.

Still another object is to provide a device of this character, which is collapsible so that it will occupy a comparatively small amount of space when not in use, a device which will be simple and practical in construction, easy to apply and remove, serviceable in use, and capable of being manufactured with economy.

With these and other objects in view, the invention consists in certain novel features of construction and combinations and arrangements of parts as will be more fully hereinafter described and pointed out in the claims.

In the accompanying drawings:—

Figure 1 is a view in side elevation showing my improved window guard in applied position;

Figure 2 is a transverse sectional view on the line 2—2 of Figure 1;

Figure 3 is a sectional view on the line 3—3 of Figure 1;

Figure 4 is a fragmentary detail perspective view illustrating a modified form of lock; and

Figure 5 is a detail sectional view showing the construction of the pivot pin which connects the two locking parts.

Referring in detail to the drawings, I have used the reference numeral 1 to designate a window frame and the reference numeral 2 to indicate my improved window guard which is in the form of a collapsible frame. I prefer to use a lazy tong construction as shown, but any collapsible extensible frame of sufficiently strong construction may be used for the purpose without departing from the invention. At each corner of the frame 2 a bolt 3 is pivoted thereto. When the guard is in extended position these bolts are adapted to enter sockets or escutcheons 4 provided for their reception in the window frame.

The extension or unfolding of the frame is limited by a pair of locking arms 5 and 6, each having one end pivoted, as indicated at 7, to the intermediate portion of opposite ends of the frame. The other ends of these arms are pivotally connected to each other. This connection is made by a stud 8 on the arm 6 which is adapted to selectively enter any of a series of perforations or openings 9 in the arm 5 to pivotally connect the two arms adjacent their free ends. This stud is preferably formed with a cutaway portion 10 adapted to receive the arm 5 when the arm is fully extended, as indicated in Figure 5, so that there is absolutely no danger of the stud being forced out of the perforation or opening in which it is located.

The plurality of openings 9 in the arm 5 are of course for the purpose of adjusting the window guard to window frames of various sizes. The arm 5 at its free end is provided with an integral U shaped bracket 11 adapted to straddle and embrace the intermediate portion of the arm 6, whereby to limit the pivotal movement of these arms. The free ends of the arms of the bracket 11 are perforated, as indicated at 12, to conveniently receive a padlock 13 for locking the arms against accidental release to collapse the frame 2. An angular bracket 14 secured to the frame 2 adjacent its intermediate portion overlaps the free ends of both the arms 5 and 6 and prevents their being laterally bent or buckled.

In the event that it is inconvenient or unnecessary to use the lock 13 the outer ends of the arms 5 and 6 may have a slot and pin connection, as indicated at 15, with the frame 2 and pivoted latches 16 provided at the ends of the arms may be utilized to lock against the pins 7 and hold the frame in fully extended position with the bolts 3 in place in the sockets 4.

In Figure 4 of the drawings I have illustrated a slight modification wherein the arm 17 corresponding to the arm 5 carries a U shaped bracket 18 at its free end adapted to embrace the other locking arm (not shown) and any conventional type of lock 19 carried by the free end of the arm 17 may be utilized for locking the arms together, thus doing away with the necessity of a padlock.

From the foregoing description it will be readily seen that in order to remove the window guard it is merely necessary to remove the padlock 13 and pivot the locking arms 5 and 6 upon the stud 8, whereby to effect collapsing of the frame 2 and retraction of the bolts 3 from the sockets 4.

I have illustrated one of the preferred embodiments of my invention, but it is to be understood that numerous slight changes and alterations might be made in the general form and arrangement of the parts described without departing from the invention, and hence I do not wish to limit myself to the precise details set forth, but shall consider myself at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of the appended claims.

I claim:

1. A guard of the character described, comprising a frame formed of a plurality of bars pivoted together, bolts pivoted to the free ends of the bars at each side for engaging recesses in a frame, a pair of locking bars adjustably pivoted together at one end and having their other ends pivotally mounted on the pivots connecting the bars at the sides intermediate of the top and bottom of the frame, one of the said locking bars being provided at its end with a U-shaped bracket embracing the other bar, and a lock associated with the bracket for locking the said locking bars together.

2. A guard of the character described, comprising a frame formed of a plurality of bars pivoted together, bolts pivoted to the free ends of the bars at each side for engaging recesses in a frame, a pair of locking bars adjustably pivoted together at one end and having their other ends pivotally mounted on the pivots connecting the bars at the sides intermediate of the top and bottom of the frame, and means cooperating with said locking bars for locking the frame extended with the bolts in the said recesses.

3. A guard of the character described, comprising an extensible frame formed of pivoted bars, devices at the ends of the frame on pivots connecting bars of said frame for pivotally connecting the same to its support bars pivotally mounted at their outer ends to the outer ends of the frame, one of said bars having a series of openings therein, a pin projected through the other of said bars and into any of said openings, said pin having a recess therein receiving a wall of an opening to hold the bars against independent lateral movement, a bracket on the intermediate portion of the guard receiving both bars, and locking means securing the bars against pivotal movement.

4. A guard of the character described, comprising an extensible frame formed of pivoted bars, devices at the ends of the frame for pivotally connecting the same to its support, bars pivotally mounted at their outer ends to the outer ends of the frame on pivots connecting bars of the said frame, one of said bars having a series of openings therein, a pin projected through the other of said bars and into any of said openings, said pin having a recess therein receiving a wall of an opening to hold the bars against independent lateral movement, locking means securing the bars against pivotal movement, and a bracket on the intermediate portion of the guard receiving both bars and preventing lateral movement of said bars.

TURNER CLAY RUSH.