L. A. WIELAND.

WINDOW GUARD.

APPLICATION FILED MAY 9, 1921.

1,438,202.

Patented Dec. 12, 1922.

FIG. 1

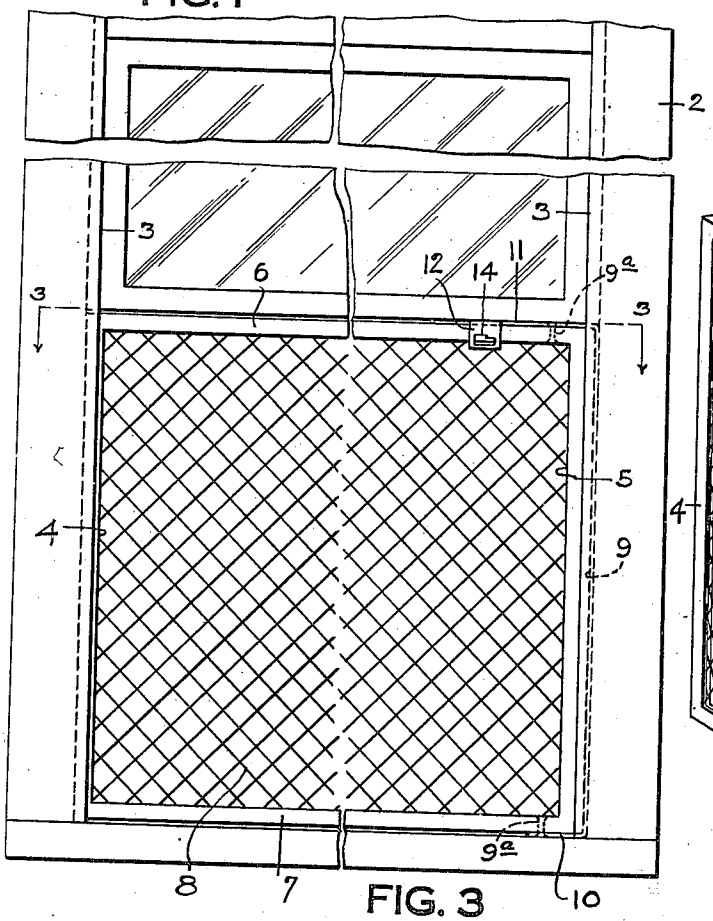


FIG. 3

Fig 6.

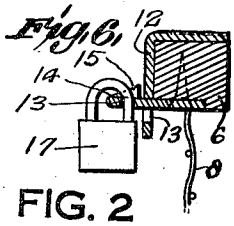
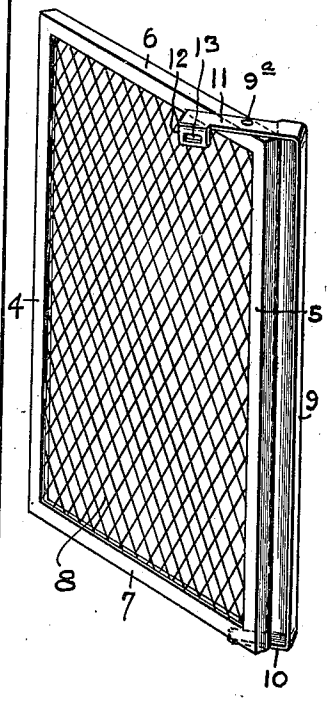


FIG. 2



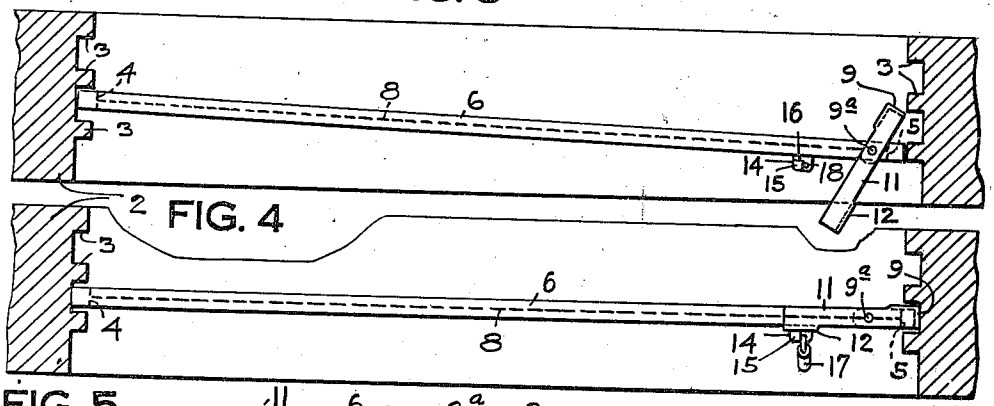


FIG. 4

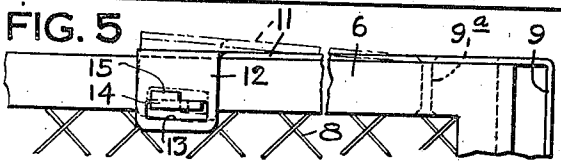


FIG. 5

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UNITED STATES PATENT OFFICE.

LOUIS A. WIELAND, OF BANKSVILLE, PENNSYLVANIA.

WINDOW GUARD.

Application filed May 9, 1921. Serial No. 468,193.

To all whom it may concern:

Be it known that I, LOUIS A. WIELAND, a citizen of the United States, and resident of Banksville, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Window Guards; and I do hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to window-guards.

The object of my invention is to provide a guard which may be quickly adjusted in position and withdrawn, thereby doing away with the annoyance and inconvenience usually involved in such an operation, and the invention has reference to guard-screens which may be inserted in a window to prevent papers from being blown out of same, and at night as a protection against burglars and thieves.

In the accompanying drawing Fig. 1 is a view of a window partially cut away showing my invention applied thereto; Fig. 2 is a perspective view of the guard in position for insertion in the window; Fig. 3 is an enlarged section on the line 3—3, Fig. 1, showing the guard in process of insertion; Fig. 4 is a like view showing the guard in place; Fig. 5 is a detail of the latch for holding the swinging supplemental stile in position, and Fig. 6 is a fragmentary vertical sectional view through the keeper mechanism.

In the drawing the numeral 2 designates a suitable window-frame provided with the customary beads 3.

The guard-frame is preferably formed of metal and consists of the stiles 4 and 5, connected by the upper and lower rails 6 and 7. The wire mesh 8 may be of a size or design suitable to act as a guard and protection against loss of papers, as above, or against burglars or thieves.

A supplemental stile 9 is pivotally mounted by the pins 9^a on the upper and lower rails 6 and 7, said stile being likewise preferably formed of metal in the form of an angle-bar, the lower end having the lug 10 through which the pivotal pin 9^a passes, and the upper end having the spring-arm 11 through which the upper pivotal pin 9^a passes.

The spring-arm 11 has the downwardly projecting clip 12 with the opening 13 formed therein. Extending out from the upper rail 6 is the keeper 14, said keeper having the beveled nose portion 15, and the recess 16 back of same. The opening 13 is sufficiently large to pass over the beveled nose portion 14. When the clip passes beyond same the spring of the arm 11 will cause the clip to enter the recess 16 and so prevent the spring-arm from being moved outwardly until said arm has been lifted sufficiently to allow the clip to clear the inner end of the nose portion to permit the withdrawal of the clip and swinging of the supplemental stile 9.

To insert the guard in the window the supplemental stile is swung into the position indicated in Fig. 2, whereupon the screen is inserted in the window by inserting the stile 4 in between the beads 3 at one side of the window-frame, and the supplemental stile will clear the beads at the opposite side, as indicated in Fig. 3, until the stile 5 has been dropped in between the beads on that side, whereupon the spring-arm 11 is moved around to the position indicated in Fig. 4, which will bring the supplemental stile 9 into the space between the beads. The spring arm is locked in position by the clip 12 passing over the nose portion 15 of the keeper 14 and by the action of the spring arm the clip drops down into the recess 16. In this manner the supplemental stile 9 is locked in position and cannot be accidentally moved, but to swing it it is necessary to lift up the spring-arm 11 until the clip is released from the recess 16.

Where the guard is to be employed against intruders the padlock 17 may be employed which engages an opening 18 in the keeper 14.

By pivotally mounting the supplemental stile on the upper and lower rails I provide a very strong and durable construction, which only requires the locking of the supplemental stile at the upper end, and there are no hinges to get loose or out of order between the supplemental stile and the stile proper.

As stated above, the guard may be employed as a protection against intruders, or in office buildings may be employed to prevent papers from being lost by being blown out of the window. The insertion and withdrawal of the guard is done so quickly and with such little effort that its use obviates the difficulties ordinarily encountered in the insertion and withdrawal of the guards of ordinary construction.

What I claim is:

1. In a window-guard, the combination

with a frame, of a supplemental stile, a lug at the lower end of the said stile pivotally connected to the lower rail of said frame, a spring-arm at the upper end of said stile pivotally connected at a point between its ends to the upper rail of said frame, and means for locking the outer swinging end of said arm in position on said upper rail.

2. In a window-guard, the combination with a frame, of a supplemental stile, a lug at the lower end thereof pivotally connected to the lower rail of said frame, a spring-arm connected to the upper end of said stile and pivotally connected to the upper rail of said frame, a clip on the outer swinging end of said arm having an opening therein, and a keeper on said upper rail adapted to enter said opening.

3. In a window-guard, the combination with a frame, of a supplemental stile, a lug at the lower end of said stile pivotally connected to the lower rail of said frame, a spring-arm at the upper end of said stile and pivotally connected to the upper rail of said frame, a clip on the outer swinging end of said frame, said frame having an opening therein, a keeper having a beveled nose portion, and a recess back of same adapted to be engaged by said clip.

4. In a window-guard, the combination with a vertical frame, of a supplemental U-shaped stile composed of a straight angle-bar having arms extending from its ends and pivotally attached to said frame, one of said arms being extended beyond its pivot and carrying at its outer swinging end a clip adapted to extend parallel to the side of said frame when said supplemental stile is brought into alignment with said frame, and a keeper having a beveled nose portion adapted to extend through an opening in said clip and having a recess back of said nose portion adapted to receive said clip.

In testimony whereof, I, the said LOUIS A. WIELAND, have hereunto set my hand.

LOUIS A. WIELAND.

Witnesses:
ROBERT D. TOTTEN,
JOHN F. WILL.