

UNITED STATES PATENT OFFICE.

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WINDOW-GUARD.

1,051,486.

Specification of Letters Patent.

Patented Jan. 28, 1913.

Application filed June 30, 1909. Serial No. 505,279.

To all whom it may concern:

Be it known that I, GEORGE H. CAMP, a citizen of the United States, residing at Leolyn, in the county of Lycoming and State of Pennsylvania, have invented certain new and useful Improvements in Window-Guards, of which the following is a specification.

This invention relates to improvements in window guards and embraces the construction of a combined window guard and alarm.

One of the objects of the invention is the construction of a simple window guard whereby a window may easily be locked and which will close a circuit when an effort is made to open the window.

Another object of the invention is the construction of a window guard and alarm consisting of a cam locking member and a rack acted on by the cam and electrical contacts so arranged with relation to the cam that the alarm circuit connected to said contacts will be closed when the cam is forced from its normal non-contacting position by the action of an upward or opening movement of the window, caused by a person seeking unlawful entrance through the window.

With the above and other objects in view the invention embraces certain constructions, combinations and arrangements of parts clearly illustrated in the accompanying drawings, in which,

Figure 1 is a front elevation of a window frame provided with my improvements, Fig. 2 is a detail vertical sectional view thereof, Fig. 3 is a detail elevation showing the manner in which the guard is mounted in place on the window frame, also showing the cam out of engagement with the contacts, and Fig. 4 is a detail view showing the parts in a different position from that in which they are seen in Fig. 3.

Referring to the accompanying drawings which are prepared for illustrative purposes and are accordingly not drawn to scale, 1 denotes the frame of a window consisting of the usual top and bottom members 2 and 3 and side members 4. Each of the side members is formed with window guides 5, on which a window 6, of ordinary construction, rides.

One of the side members of the frame 1 is provided with spaced side walls 4' and

4''. The wall 4' is formed with a groove 7 and carries the locking cam 8, which is pivotally held in place thereon by means of a key or pin 10, the outer end of which is formed with a T-shaped head whereby the cam may be manually operated. The cam 8 carries two spaced contact arms 10' and is formed with a straight side and a notched side. The contact arms are on the opposite sides of the cam and are adapted to engage fixed contacts 12 and 13. The side wall 4'' is removably held on the frame 1 by means of screws 14 and is formed with a slot 15 whereby the same may be removed from the frame without disturbing the position of the pivot key 10. A wire 16 is connected to the contact on the side wall 4' and a wire 17 is connected to the contact on the side wall 4'', said wires being connected to the circuit of a generator and alarm mechanism.

Normally the cam 8 occupies a position out of engagement with the contacts 12 and 13 and with the straight side of the same held in a parallel position to the adjacent edge of the window, which edge is provided with a rack 18 adapted to engage with the notched side of said cam. When it is desired to place the cam in position to lock the window the key 10 is manually turned so as to bring the lower notch nearest the rack 18 in engagement with said rack 18. Should an effort be made to force the window open the cam will be turned so that the main part of the notched side will engage the teeth of the rack 18 and the contacts 10' will be forced into engagement with the contacts 12 and 13 and the circuit will be closed. A spring 19, is secured to the casing 1, and is adapted to engage with the notched side of the cam 8, for the purpose of holding the said cam 8, normally in a predetermined position. When the window has been raised a certain distance, after the cam has been set for action, the rounded un-notched edge of the cam will come into engagement with the rack and the window will be jammed by said cam against further movement.

Having described my invention I claim and desire to secure by Letters Patent:

In a window guard, a window frame, a cam having a notched edge and pivotally mounted on the window frame, a window movable in the frame, a rack on said win-

dow adapted to engage the cam, spaced contacts carried by the cam, relatively fixed contacts adapted to be engaged by the contacts on the cam, a spring adapted to hold
5 the cam normally in a predetermined position and electric connections with said fixed contacts.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE H. CAMP.

Witnesses:

EDNA A. TEAGUE,
E. J. CLEVELAND.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
