

Burglar Alarm and Door Fastener,

Patented Aug. 28, 1866.



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IMPROVED BURGLAR-ALARM AND DOOR-FASTENER.

Specification forming part of Letters Patent No. 57,654, dated August 28, 1866.

To all whom it may concern:

Be it known that I, FREDERICK OAKLEY, of London, England, have invented a new and Improved Burglar-Alarm and Door-Fastener combined; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a vertical longitudinal section, taken on a plane indicated by the line *x x*, Fig. 2. Fig. 2 represents an end view of my improved burglar-alarm and door-fastener combined. Fig. 3 represents a vertical longitudinal section, taken on a plane indicated by the line *y y*, Fig. 4. Fig. 4 represents an end view of a burglar-alarm and door-fastener constructed on a somewhat different principle from the one shown in Figs. 1 and 2.

Similar letters of reference indicate like parts.

This invention has for its object the construction of an instrument which, when applied to a door or window, will not only sound an alarm as soon as an attempt is made to open the door, but will also effectually prevent the opening of said door or window; and the improvement consists in so combining with an iron frame a nipple, powder-chamber, hammer, and trigger, thus forming a perfect pistol, that when the powder-chamber is charged and a percussion-cap placed on the nipple the slightest attempt at opening the door will press upon the trigger, and thus discharge the said pistol, thereby causing an alarm; and it further consists in so constructing the said iron frame that it is higher where it is farther from the door, so as to assume the shape of a wedge, and providing its front or highest end with teeth or pins, which are pressed into the floor, so that it cannot be moved by the opening of the door, thus effectually preventing, by its wedge shape, the said door from being opened; and my invention further consists in attaching a series of the said pins or teeth to the sides of an oblong iron bar, or around an eccentric bar, said bar being pivoted to the front end of said iron frame, so that by turn-

ing the said bar a different height may be given to the wedge, so as to adapt it to the space between the bottom of the door and the floor; and my improvement finally consists in so constructing this apparatus that the aforementioned powder-chamber may be attached to the right or left hand side of the frame, so as to make it aim at the locks of doors swinging to the right or left, in case it is desired to charge the said chamber with a ball and to injure intruders.

The iron bars A and B are bent down at right angles at their front end, and connected at the bottom by a bar, *a*, thus forming a wedge-shaped frame, as shown in Figs. 1 and 2. To the rear end of this frame is pivoted the trigger or stud *b*, and in front of the latter is also pivoted an iron rod, *c*, which acts as a hammer, and is acted upon by a spring, *d*, said spring being secured to the front end of the frame, or rather to the bar *a*. To the center of bar *a*, and on top of the same, is also attached the nipple *e*, which connects with the barrel or powder-chamber *f* at its side. Said powder-chamber is bent at right angles, as shown in Fig. 2, and is screwed into either the bar A or B, as may be desired, the nipple being provided with two vent-holes, one on each side, the one not used being closed by the set-screw *g*. To the lower end of bar *a* are attached two or more pins, *h*, which are pressed into the floor.

In Fig. 1 the apparatus is represented ready to be fired off. The hammer *c* is raised to the requisite position, so that the rear end of the trigger *b* will form the bearing of the instrument, the rear ends of the bars A and B not yet touching the floor. The attempt to open the door C will press the trigger upon the hammer, and the spring *d* will force the latter upon the cap placed on the nipple, thus sounding the alarm. After the discharge the rear ends of the bars A and B will touch the floor, and the door will be prevented from being opened by coming in contact with the inclined surfaces of the bars A and B, the apparatus being held stationary by the pins *h*.

I may also arrange my alarm by constructing it in the manner shown in Figs. 3 and 4. In this the bars A and B are not bent over in front,

but are simply connected by the bar *i*, in front of which is pivoted the oblong block *k*. The pins *l* are attached to two sides of this block, so that by turning the same the front ends of the bars A and B may be more or less elevated, as desired, and for the purpose heretofore mentioned. The nipple *m* and powder-chamber *n* are both attached to the hammer *o*, and the charge is exploded by the nipple striking the bar *i*. The trigger *p* and spring *q* are the same as heretofore described, and the door D acts on the apparatus in exactly the same manner as has been already specified. Pins *r* may also, for better security, be attached to the lower rear end of the trigger *p*.

Having thus described my invention, I claim and desire to secure by Letters Patent—

1. The revolving eccentric block *k*, with pins *l* attached to it in the manner and for the purpose herein shown and described.

2. The combination of the barrel or powder-chamber *f* with the set-screw *g*, nipple *e*, and bars A and B, substantially as herein shown and described.

The above specification of my invention signed by me.

FREDERICK OAKLEY.

Witnesses:

WM. F. McNAMARA,
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