

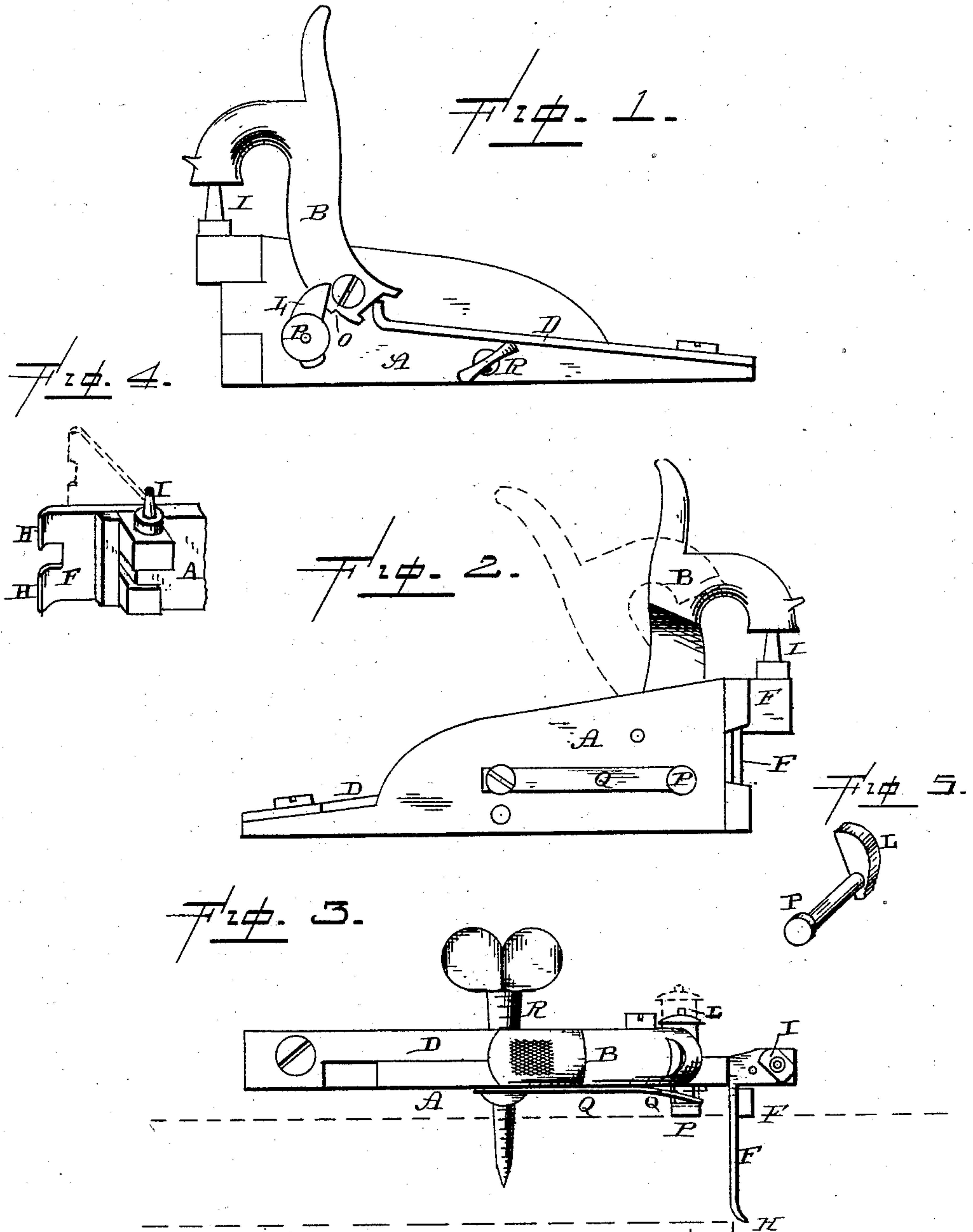
(Model.)

W. H. WRIGHT.

BURGLAR ALARM.

No. 280,002.

Patented June 26, 1883.



Witnesses.

Louis F. Gardner

J. W. Garner

Inventor.

Wm H. Wright.

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Atty

UNITED STATES PATENT OFFICE.

WILLIAM H. WRIGHT, OF ATLANTA, TEXAS, ASSIGNOR OF ONE-HALF TO
S. J. MORRISS, OF SAME PLACE.

BURGLAR-ALARM.

SPECIFICATION forming part of Letters Patent No. 280,002, dated June 26, 1883.

Application filed April 4, 1883. (Model.)

To all whom it may concern:

Be it known that I, WM. H. WRIGHT, of Atlanta, in the county of Cass and State of Texas, have invented certain new and useful
5 Improvements in Burglar-Alarms; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being
10 had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in burglar-alarms; and it consists in the combination of the lock-frame with a pivoted plate
15 which is connected to it at one end, and which plate carries the nipple to receive the catch, and is provided with sharp points to catch in the jamb of the door, with a sidewise-moving trigger, which is operated by the door, and a
20 set-screw for securing the lock-plate in position upon the door, all of which will be more fully described hereinafter.

The object of my invention is to provide a burglar-alarm which will serve both to lock
25 the door and, in case the door should be forced open, will snap a cap, so as to cause an alarm.

Figure 1 is a side elevation of my invention complete. Fig. 2 is a similar view, taken from the opposite side. Fig. 3 is a plan view. Fig.
30 4 is a detail view of the securer. Fig. 5 is a detail view of the rod or bolt which engages with the trigger.

A represents a plate of any suitable shape, size, or construction, and upon which is pivoted the hammer B, which is operated by the
35 spring D, which is secured upon the plate at one end, and which has its inner end to catch under the lower end of the hammer, as shown. Pivoted upon the front end of this plate is the
40 door-securer F, which has the usual sharp points, H, for catching in the jamb of the door, and which has the nipple I, screwed into a suitable socket formed in its inner and upper corner, to receive it. When the securer is
45 turned at right angles to the lock-plate, the nipple is held in just the proper position to have the cap explode by the falling of the hammer. In the lower front edge of the hammer is formed a notch, O, with which the catch L
50 engages. This catch L is placed upon one end of a sliding angular rod, P, which extends through the lock-frame, and which rod has the flat spring Q, to catch under its head, for the purpose of always drawing the catch in-

ward against the side of the lock-plate, so that
55 it will be in a position to engage with the hammer and hold it in a locked position. Through the plate A is made a suitable hole, through which is passed the set-screw R, by
60 means of which the plate is secured to the door in such a manner that the opening of the door will not push the plate around into a line with the hinged plate or securer.

In attaching this alarm to a door, the securer F is first turned into a straight line with the
65 plate A, and then the door is opened, the sharp points placed against the door-jamb, and then the door is closed, so as to force the points into the jamb. The plate A is then swung around at right angles, so as to bear against the inner
70 side of the door, and the set-screw is then passed through the plate A into the door. The head of the rod or bolt to which the catch is secured extends outward from the inner side
75 of the plate, so that when the door is forced open it bears directly against this head, and thus forces the catch sidewise, so as to disengage it from the notch in the lower end of the
80 hammer. The hammer at once falls, and in exploding the cap upon the nipple gives an alarm.

This device is intended to be used with either right or left hand doors, and upon windows.

If desired, instead of having the hammer explode a cap, it may be made to ring a bell in
85 some other part of the building by striking against a lever which is connected with the bell-wire. In case it should be desired, a barrel can be attached to the nipple, so as to explode a charge of powder. I do not limit
90 myself to any details of construction in this respect, for they may be varied without departing from the spirit of my invention.

Having thus described my invention, I claim—

95 The combination of the lock-plate, the hammer having a notch in its lower end, an end-wise spring-actuated rod having a catch secured to its inner end to engage with the hammer, and the pivoted door-securer provided
100 with a nipple, substantially as set forth.

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

WILLIAM HENRY WRIGHT.

Witnesses:

J. M. McREYNOLDS,

WILLIAM D. BROWNING.