

(No Model.)

E. BAUMBACH.

BURGLAR ALARM.

No. 303,792.

Patented Aug. 19, 1884.

Fig. 2.

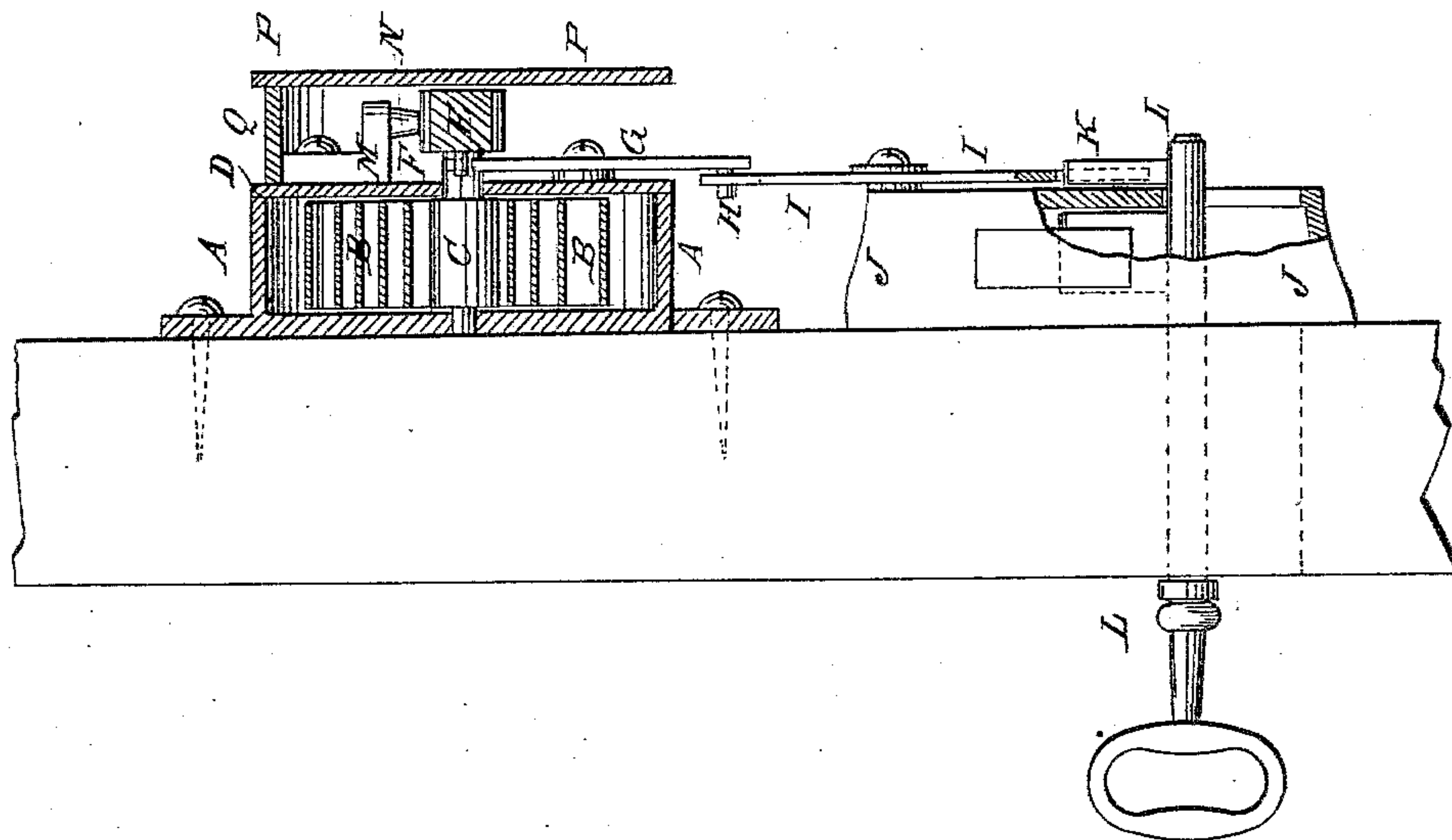
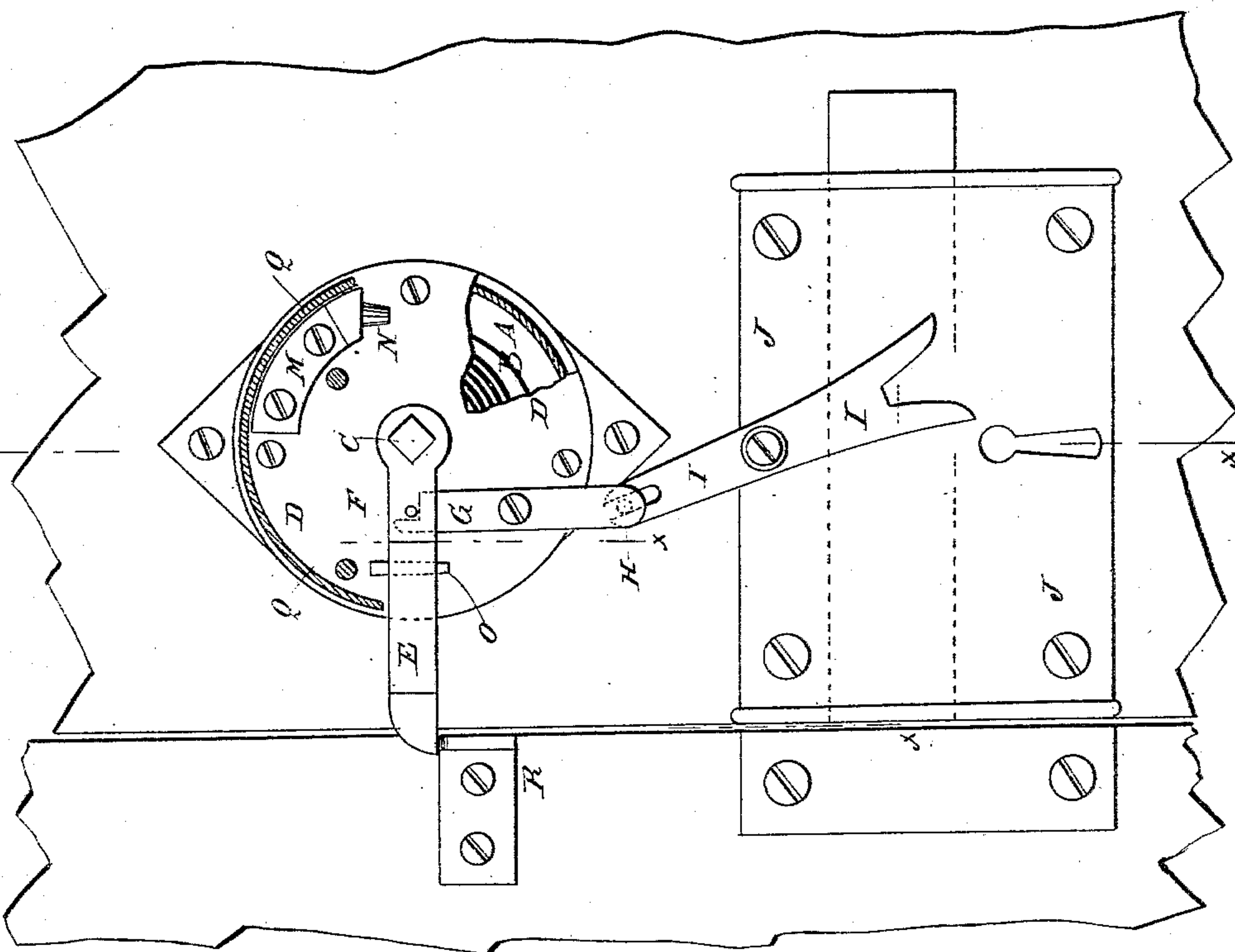


Fig. 1.



WITNESSES:

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BURGLAR-ALARM.

SPECIFICATION forming part of Letters Patent No. 303,792, dated August 19, 1884.

Application filed March 23, 1884. (No model.)

To all whom it may concern:

Be it known that I, EMIL BAUMBACH, of the city, county, and State of New York, have invented a new and useful Improvement in Burglar-Alarms, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a sectional front elevation of my improvement, part being broken away. Fig. 2 is a sectional side elevation of the same, taken through the broken line *x x x x*, Fig. 1.

The object of this invention is to promote reliability and efficiency in the operation of burglar-alarms.

The invention consists in a burglar-alarm constructed with a coiled spring inclosed in a case and carrying a swinging arm, levers and pins for holding the swinging arm while setting the alarm, a catch for holding the said arm when the alarm is set, and a nipple for holding a cap to be exploded. The key is provided with a second bit for withdrawing the holding-levers from the arm when the alarm is set, as will be hereinafter fully described and claimed.

A is a cylindrical case, which is made with lugs upon its base to receive the screws by which the said case is secured to the door, window-casing, or other support. Within the case A is placed a coiled spring, B, the outer end of which is attached to the said case. The inner end of the spring B is attached to a post, C, which is journaled to the base of the case A and to the plate D, attached to the front of the said case. The outer end of the post C projects and to it is attached the inner end of an arm, E, the outer end of which projects beyond the case A. To the inner end of the arm E is attached a pin, F, to engage with the rabbeted end of the lever G, which is pivoted at its middle part to the face-plate D of the case A. The lower end of the lever G projects below the case A, and to it is attached a pin, H, to engage with the slotted upper end of the lever I, which is pivoted at its middle part to the case J of a lock or other suitable support. The lower

end of the lever I is forked, and projects into such a position that it will be struck and operated by a second bit, K, formed upon the key L, parallel with and at a little distance from the ordinary bit of the said key.

To a block, M, secured to the upper part of the face-plate D, is attached, or upon it is formed, a nipple, N, to receive a percussion-cap, to be struck and exploded by the arm E when the said arm is thrown around by the spring B.

To the face-plate D is attached, or upon it is formed, a guard block or flange, O, to hold the arm E from lateral movement when the alarm is set. The face-plate D and its attachments are covered by a cap-plate, P, formed upon or attached to the outer edge of a semi-annular flange, Q, formed upon or attached to the upper part of the face-plate D.

R is a catch attached to the door-casing, window-sash, or other suitable support.

In using the alarm, the arm E is swung around away from the nipple N, and the rabbeted end of the lever G is adjusted beneath the pin F, locking the arm E in the said position. The door or window is then closed, which brings the projecting end of the said arm E directly over the catch R. The lever I is then operated by the bit K of the key L in locking the door or otherwise, to remove the lever G from under the pin F and leave the outer end of the arm E resting upon the catch R. With this arrangement, when the door or window is opened, the arm E will be pushed off the catch R, releasing the said arm, and allowing it to be thrown by the spring B against the cap placed upon the nipple N and exploding the said cap to give the alarm.

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

1. The combination, with a burglar-alarm having a rotary spring-operated firing-arm constructed to be held retracted by a catch on the jamb, of a pivoted lever adapted to engage said firing-arm with one end, a second lever pivoted below the first lever and engaging the free end thereof with one of its ends, substantially as set forth, whereby when the alarm is placed upon a door the free end of the second lever may be placed near the key-

hole of the lock, for the purpose of being operated upon by a key to cause the first lever to hold the firing-arm while being set.

2. In a burglar-alarm, the combination, with
5 the coiled spring B, the swinging arm E, and the levers and pins G I F H, of the key L, having a second bit, K, substantially as herein shown and described, whereby the said levers

will be withdrawn from the said arm to set the alarm by turning the said key, as set forth. 10

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Witnesses:

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