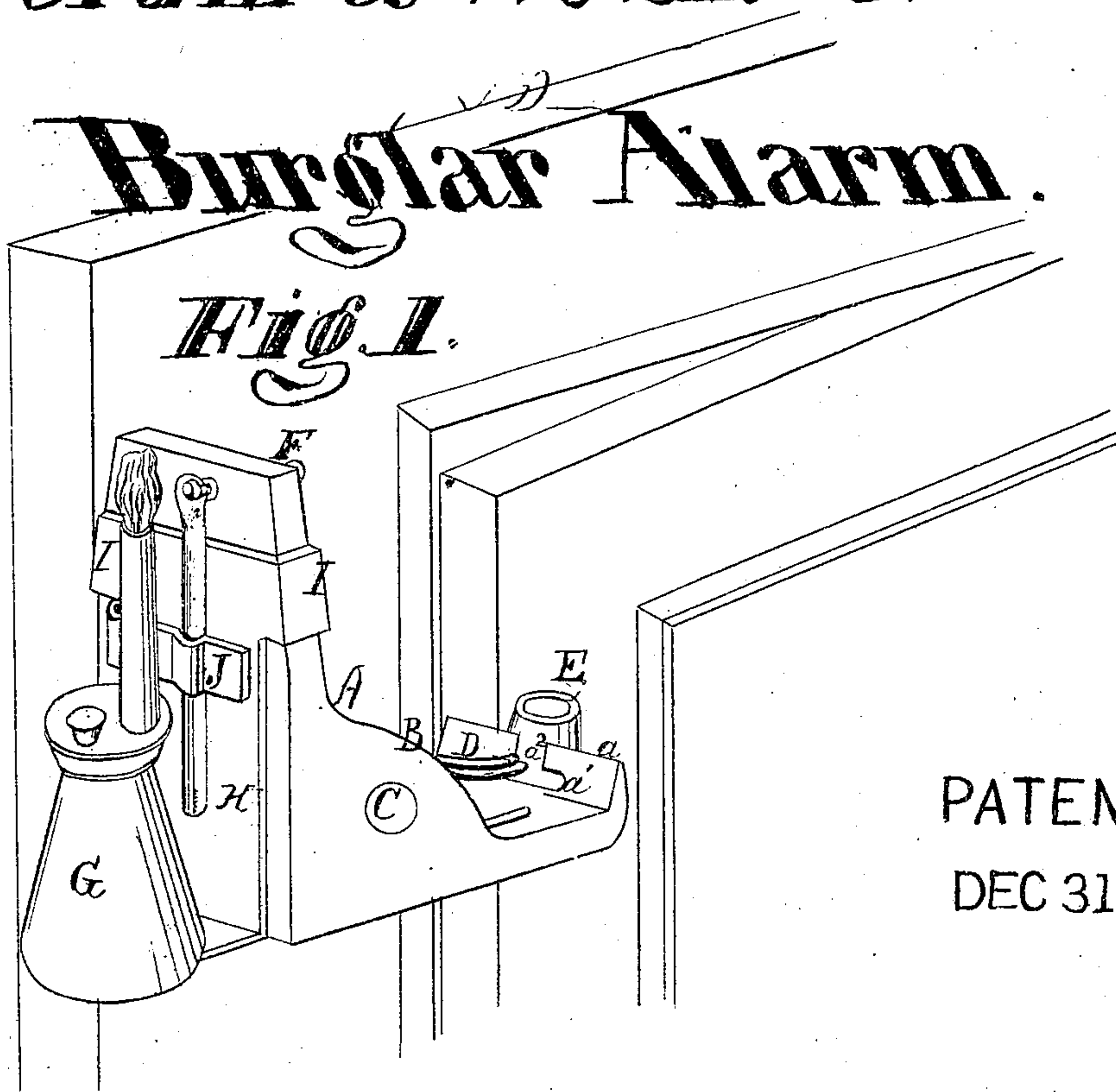


C. J. Crum & Wesley Irwin.

Burglar Alarm.

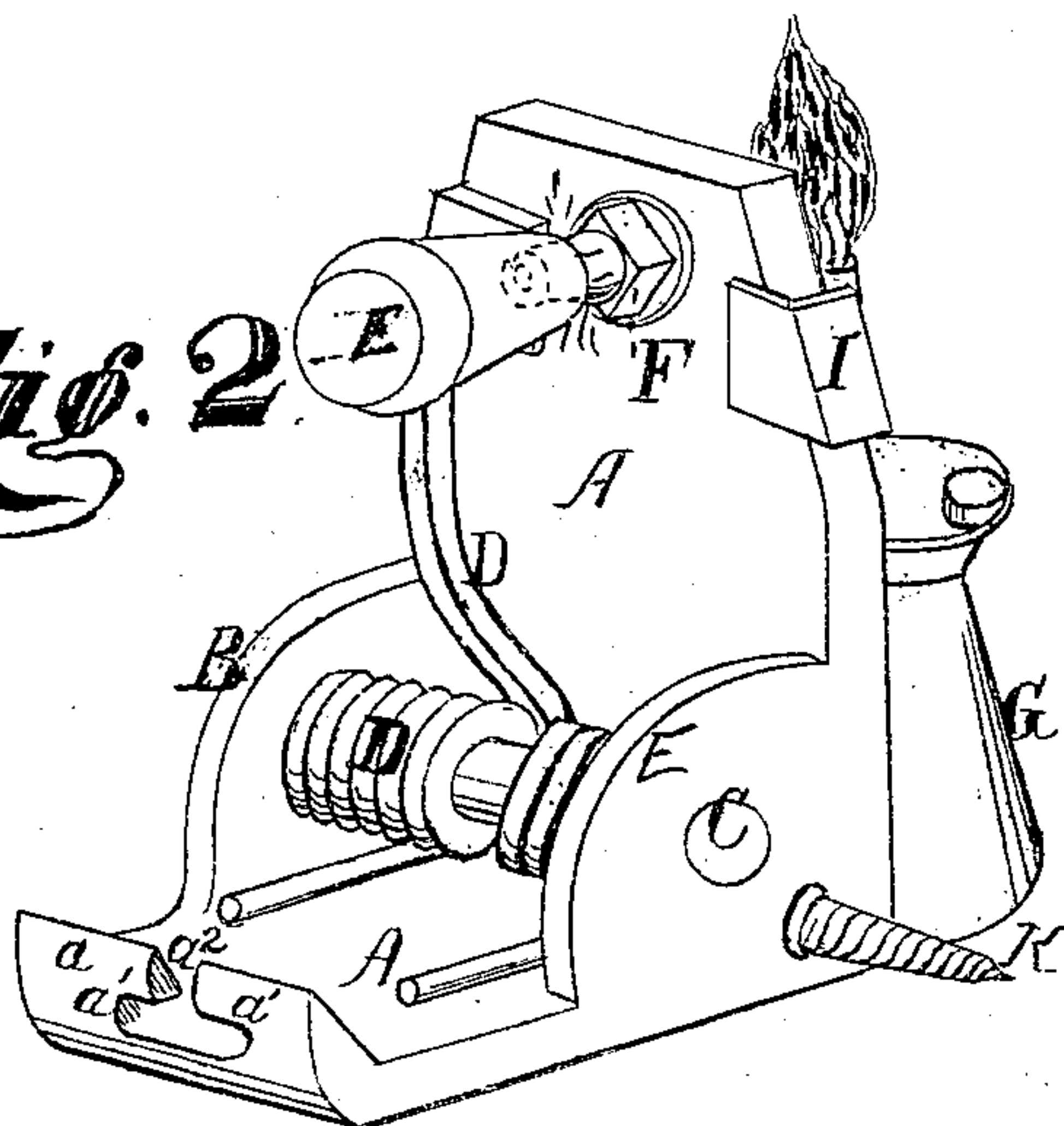
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Fig. 1.



PATENTED
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Fig. 2.



Witnesses:
Chas D. Smith
J. M. Rowen

C. J. Crum
Wesley Irwin
By Knights
Attorneys

United States Patent Office.

C. J. CRUM AND WESLEY IRWIN, OF CIRCLEVILLE, OHIO, ASSIGNORS TO
C. J. CRUM AND JAMES HARSHA, OF SAME PLACE.

Letters Patent No. 72,723, dated December 31, 1867.

IMPROVED BURGLAR-ALARM.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that we, C. J. CRUM and WESLEY IRWIN, both of Circleville, in the county of Pickaway, and State of Ohio, have invented a new and useful Improvement in Burglar-Alarms; and we do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, which are made a part of this specification.

This burglar-alarm consists of a stock or casting, adapted to be fastened to the jamb of a door or window, and having a hammer attached to the end of a spring, which, being held in a notch on the stock, is released in the act of opening the door or window, and thereby caused to throw the hammer against a percussion-cap, the explosion of which serves to alarm the household, and also to light a match and a lamp which are supported upon the stock.

Figure 1 is a perspective view of our improved burglar-alarm, as applied to the jamb of a door, a portion of the latter and its frame being shown in red lines.

Figure 2 is a similar view of the alarm in a reversed position.

Similar letters of reference indicate corresponding parts in the two figures.

In the drawings, A represents a cast stock, having lugs B B, in which a rod, C, is rigidly fixed by clinching or otherwise. D is a spring coiled about the rod C, and having a projecting portion, which carries a hammer, E, at its extremity. The foot of the stock A has a flange, *a*, in which are two notches *a*¹ *a*¹, at either side of an intermediate opening, *a*². The hammer E may be retracted from the nipple F on the stock A, and held in its retracted position by the engagement of the spring D with one of the notches *a*¹ *a*¹, as shown in fig. 1. G is a lamp, supported by a bracket, H, which is attached to the upright part of the stock A by means of hooks I I. A pair of jaws or a socket, as seen at J, may be attached to the bracket H, for the purpose of receiving and holding a match, as represented in fig. 1. The stock A may be fastened to the jamb of the door or window, either at the right or left-hand side, by a screw, K, or otherwise.

The operation is as follows: The stock A, with its described appurtenances, being fixed in proper position upon a jamb, the hammer E is retracted and held, as shown in fig. 1. The hammer being then within the field of motion of the door (or window, as the case may be,) is struck by the latter, and the spring is thus disengaged from the notch *a*¹. Being thus released, the spring D throws the hammer E against the percussion-cap on the nipple F, and the cap being thereby exploded, ignites the match, whose coated extremity is held in a position in line with the orifice of the nipple and the lamp-wick. The proximity of the ignited end of the match with the lamp-wick, insures the lighting of the latter, and thus, by this simple contrivance, a simultaneous alarm and lighting of the apartment is effected.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. The combination, with the stock A and notched flange *a* *a*¹ *a*¹, of the hammer E, spring D, rod C, match-lighting nipple F, and a screw or other attaching-device, K, substantially as described.
2. The combination, with the parts A, *a*, D, E, and F, of the lamp-bracket H and match-holder J, substantially as described.

To the above specification of our burglar-alarm, we have signed our hands, this 17th day of October, A. D. 1867.

C. J. CRUM,
WESLEY IRWIN.

Witnesses:

C. S. BITZER,
JOHN McEWING.