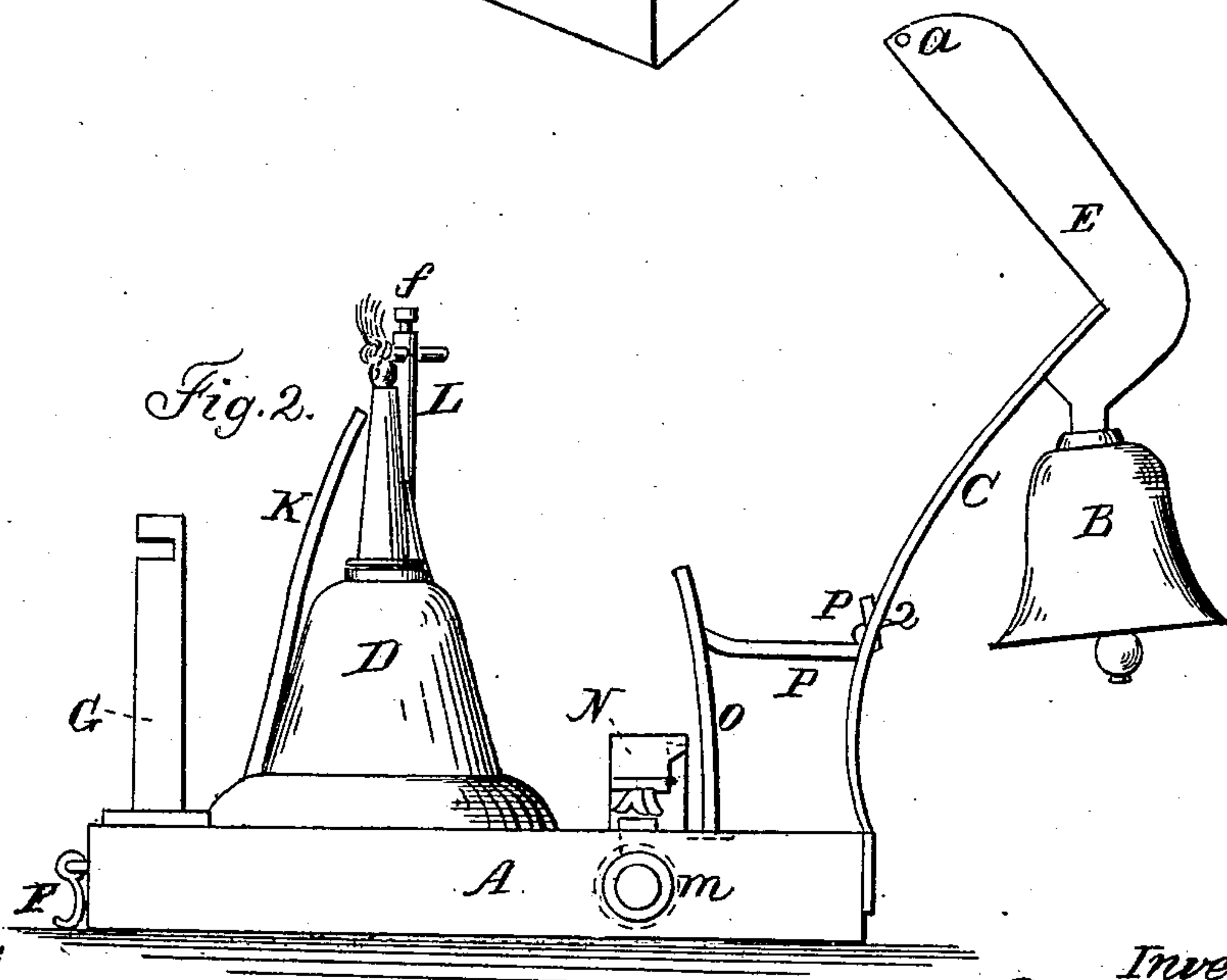
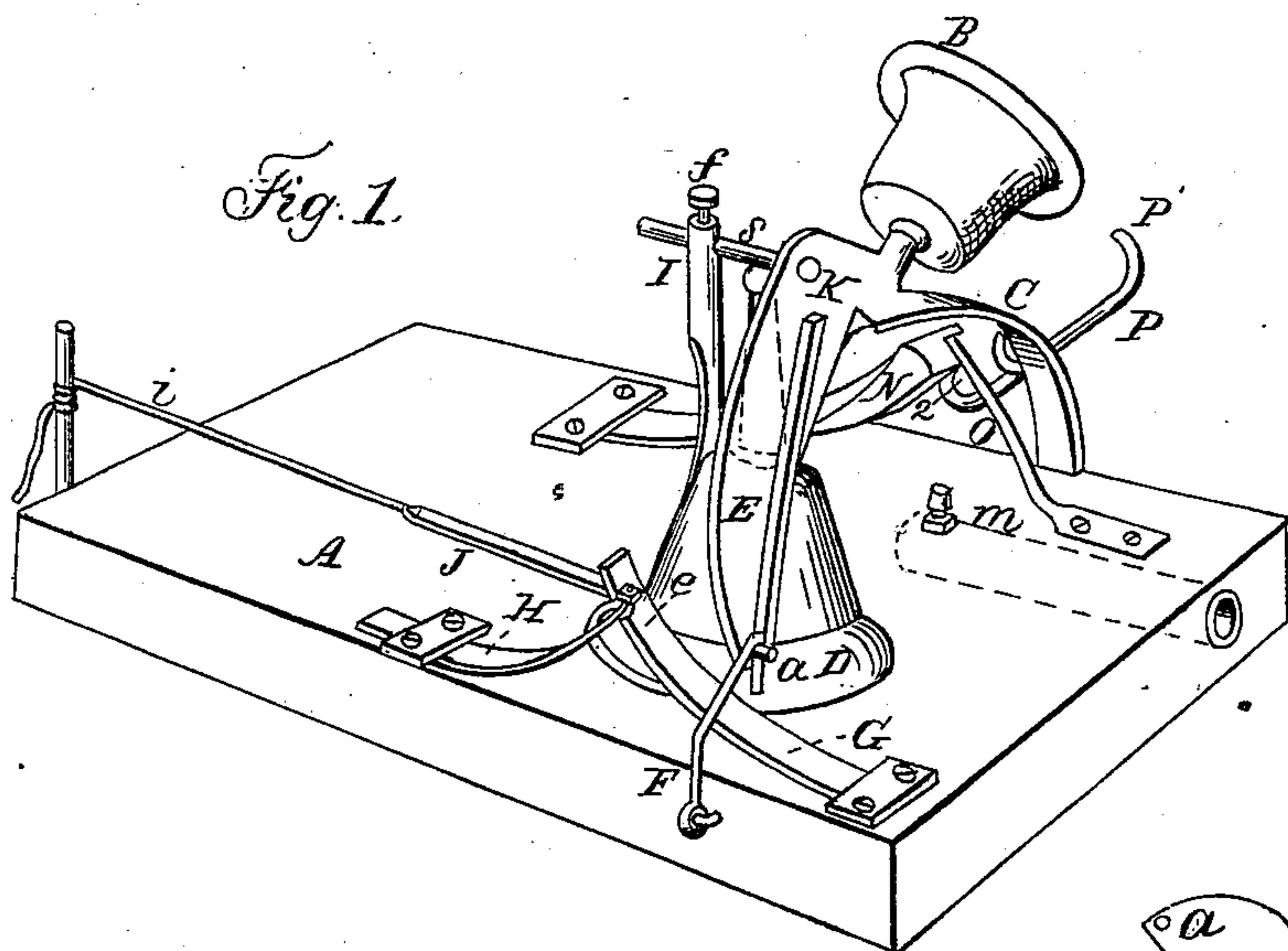


D. B. SKELLY.
Burglar Alarm.

No. 71,073.

Patented Nov. 19, 1867.



Witnesses:

Alex L. Roberts
Gustave Dieterich

Inventor:

D. B. Skelly
per Munn & Co
Attys

United States Patent Office.

D. B. SKELLY, OF LOCKPORT, NEW YORK.

Letters Patent No. 71,073, dated November 19, 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 I, D. B. SKELLY, of Lockport, in the county of Niagara, and State of New York, have invented a new and improved Burglar-Alarm; 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.

This invention relates to a new and improved device for giving the alarm and striking a light in case a burglar enters a dwelling-house or other building at night; and the invention consists in an arrangement of springs, which, when set, are held in position by a small wire or thread, but, when the wire or thread is broken or loosened, the springs are liberated, which liberation or recoil gives the alarm, by ringing a bell and discharging a pistol, and at the same time ignites a match and lights a lamp, as will be hereinafter described.

Figure 1 represents the machine as set, ready to give the alarm, it being a perspective view of the same.

Figure 2 is side view of the machine after it has been sprung, showing the lamp burning, and an exploded cap on the nipple of the pistol.

Similar letters of reference indicate corresponding parts.

A represents the bed-plate, to which the parts of the machine are attached. B is the bell. C is the bell-spring. D is the lamp. E is a plate which is attached to the bell-spring, to one end of which plate is attached a pin, *a*, by which the bell-spring is held down when the machine is set. F is a hook, on the edge of the bed-plate, which hooks over the pin *a*. G is a spring, the recoil of which throws the hook E off the pin *a*, and liberates the bell-spring. H is another spring, which engages with G when the machine is set, upon the end of which there is a pin, *e*, which passes through a slot in the end of the spring G. J is a liberating-plate or trigger, which has a hole in one end which sets over the pin *e*. This end of the plate J is bent down a little, and laps on to the spring G, after passing through the slot, as seen in fig. 1. It is this bent end of the trigger which holds down the spring G, and keeps the machine set or ready for action. The wire or thread *i* is attached to the other end of the trigger, as seen. K is a guide-post for the plate E, attached to the lamp or to the bed-plate. L is a stud on the lamp, with an orifice through its upper end in which to place a match. The match is held by a small set-screw, *f*, in the top of the stud. *m* represents a pistol. N is the hammer, the back end of which forms a spring, as seen in fig. 1. The hammer is held up by a stud, O, with an arm, P, the end of which the hook P', when the bell-spring flies back or recoils, which throws the stud O from under the hammer, which falls and explodes the cap and discharges the pistol.

When the machine is set, as represented in fig. 1, it is held in position by the trigger J, as before stated, and the trigger is kept in place by the wire or thread *i*, which is kept tightly drawn all the time, and passed from one room to another, over chairs and under doors, as well as into chambers, the extreme end being fastened wherever desired. The machine may be placed in the bedroom, or wherever it may be wanted.

When the machine is set and the wire thus prepared, it will be seen that, should the wire be broken or in any way loosened, the spring G would be liberated, and the alarm would be given by the ringing of the bell and the discharge of the pistol, while the match S, which is secured in the stud L, would be ignited by the plate E, which is roughened, or has sand-paper on its side, and is drawn in contact with it. The end of the match is near or in contact with the wick of the lamp, so that the lamp is lighted as the alarm is given.

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

1. The combination of the bell-spring C, the plate E, the hook *r*, and the pin *a*, the springs G and H, the hook F, and the trigger J, arranged and operating substantially as shown and described for the purposes set forth.

2. I claim the combination of the stud O, the arm P, the hook P', and the hammer N, arranged substantially as described for the purpose specified.

3. I claim the stud L, in combination with the lamp D and plate E, substantially as and for the purposes set forth.

4. I claim the combination of the springs G and H and the trigger J, as and for the purposes described.

Witnesses:

JOSEPH PINNELL,
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D. B. SKELLY.