

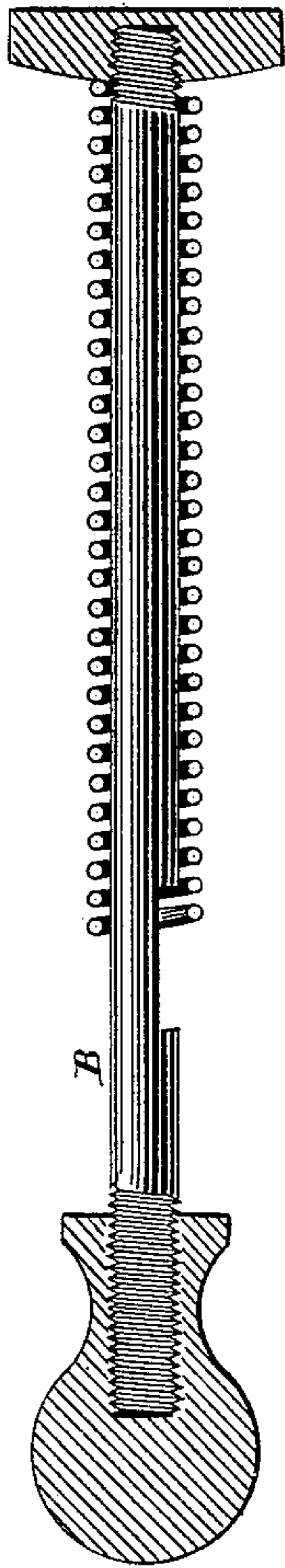
(No Model.)

J. ISRAEL.  
BURGLAR ALARM.

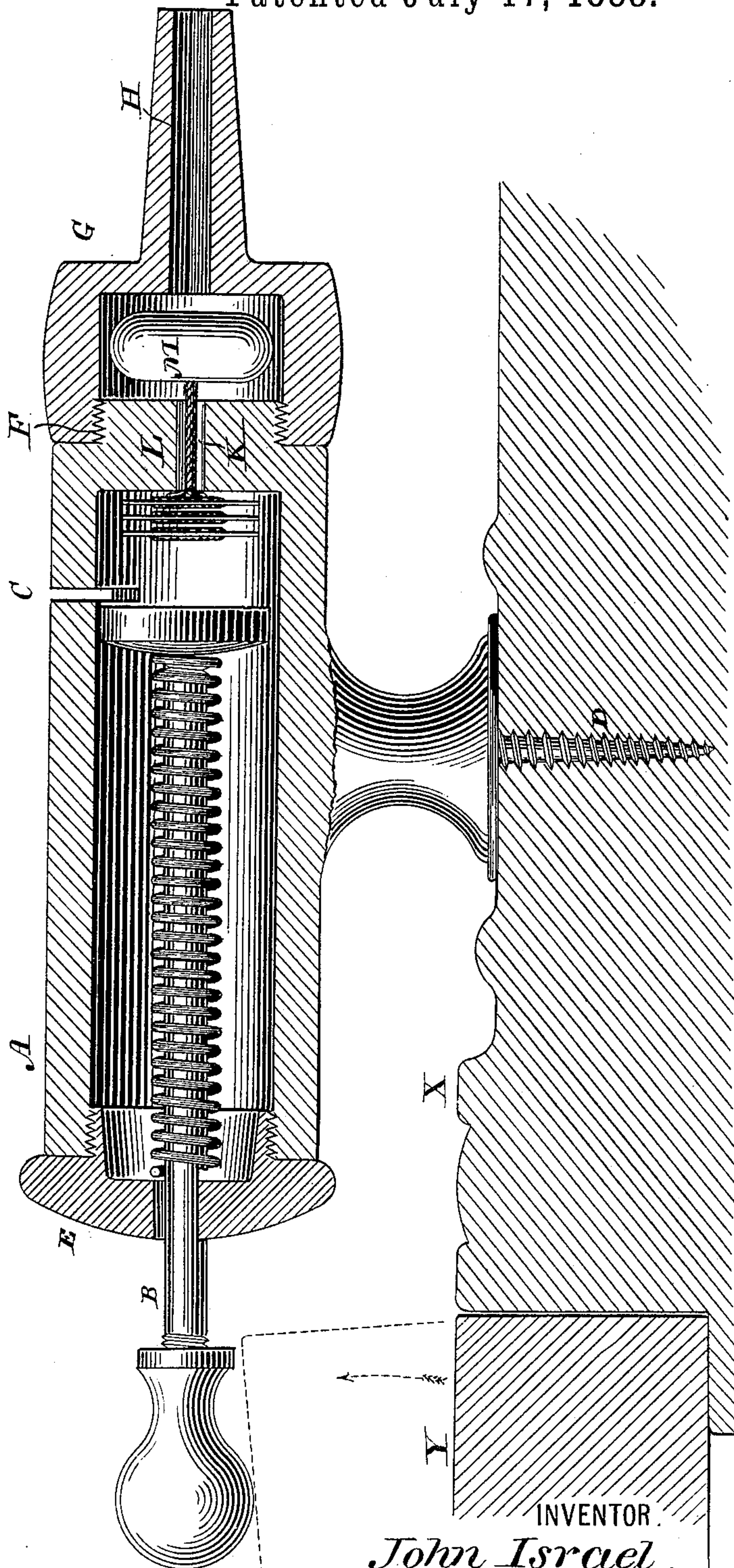
No. 386,131.

Patented July 17, 1888.

*Fig. 2.*



*Fig. 1.*



WITNESSES

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INVENTOR.



# UNITED STATES PATENT OFFICE.

JOHN ISRAEL, OF ST. LOUIS, MISSOURI.

## BURGLAR-ALARM.

SPECIFICATION forming part of Letters Patent No. 386,131, dated July 17, 1888.

Application filed February 2, 1888. Serial No. 262,792. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN ISRAEL, of St. Louis, in the State of Missouri, have invented certain new and useful Improvements in Burglar-Alarms, of which the following is a specification.

My improvements relate to detonating burglar-alarms of the class shown in my United States Patents Nos. 193,002 and 224,017.

The object of my present invention is to improve such detonating burglar-alarms by providing means for causing two explosions, one following another, with any desired interval of time between them.

It is well known that frequently a single explosion will not fully awaken persons instantly, and if they are awakened by it they are so much bewildered as not to be able to understand its location or significance; but a single explosion will usually put the mind upon the *qui vive*, and a second explosion following in a few seconds will fully serve to convey to the mind of a person suddenly awakened its full significance. A second explosion also will be sure to overcome the plottings of a criminal attempting burglary if the first one would not. It is therefore desirable in detonating burglar-alarms to provide for a second explosion to follow within a few seconds after the first. Accordingly, in connection with such a detonating burglar alarm—for example, as shown in my United States Patent No. 193,002, where provision is made for exploding a fulminate—I provide an additional receptacle for another fulminate or explosive bomb having a fuse to be ignited by the first discharge, which fuse will presently ignite the second explosive.

In the accompanying drawings, Figure 1 is a longitudinal vertical section, partly in eleva-

tion, of my firing mechanism applied to a door-jamb, X, in position to be fired upon the opening of the door Y, as indicated in dotted lines. Fig. 2 is a longitudinal section of the firing-plunger and its spring detached.

Referring to the letters upon the drawings, A indicates a hollow cylinder provided with a spring-plunger, B, a fulminate-slot, C, a screw-standard, D, and a screw-cap, E, all substantially as shown in my said patent, No. 193,002. The end of the cylinder, near the fulminate-slot, is preferably screw-threaded at F to receive a hollow cylindrical extension, G, provided with a female screw-thread, as shown, and with an opening, H, preferably of rectangular form, for the insertion of a wrench. The fulminate in the slot C being exploded, the gas will pass through the small opening K into the interior of the extension G and ignite the fuse L of the bomb M, which will presently explode and the gas will pass out of the opening H.

What I claim as my improvements, and desire to secure by Letters Patent of the United States, is—

In a detonating burglar alarm, the combination of the hollow firing-cylinder A, screw-threaded at F, and the hollow cylindrical extension G for carrying a second explosive, screw-threaded and provided with the openings K and L, whereby the firing-cylinder can be elongated and caused to fire two explosives at will, substantially as set forth.

In testimony whereof I have hereunto subscribed my name.

JOHN ISRAEL.

Witnesses:

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