

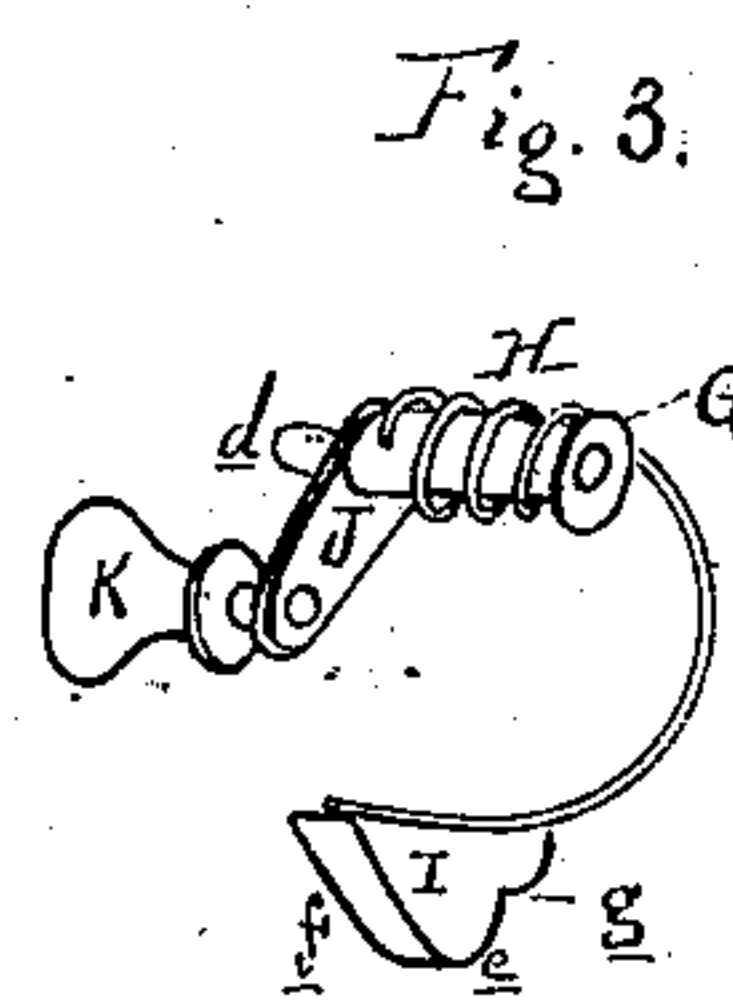
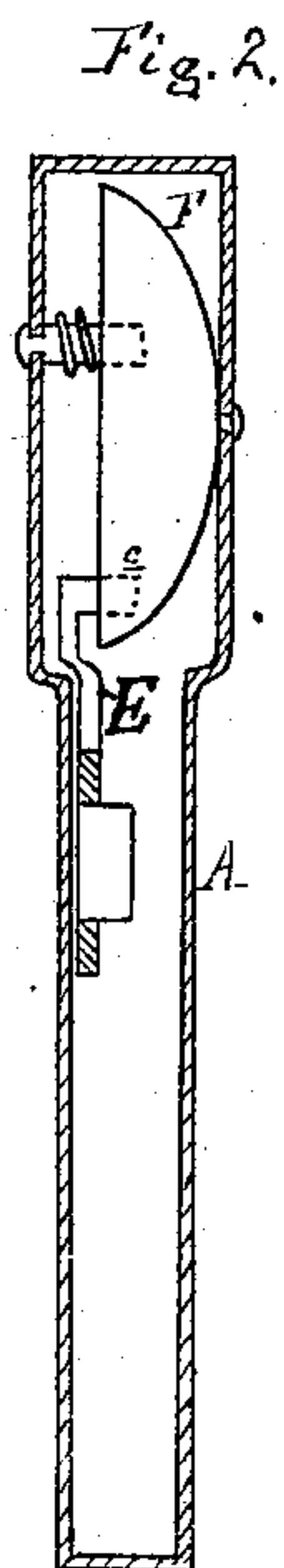
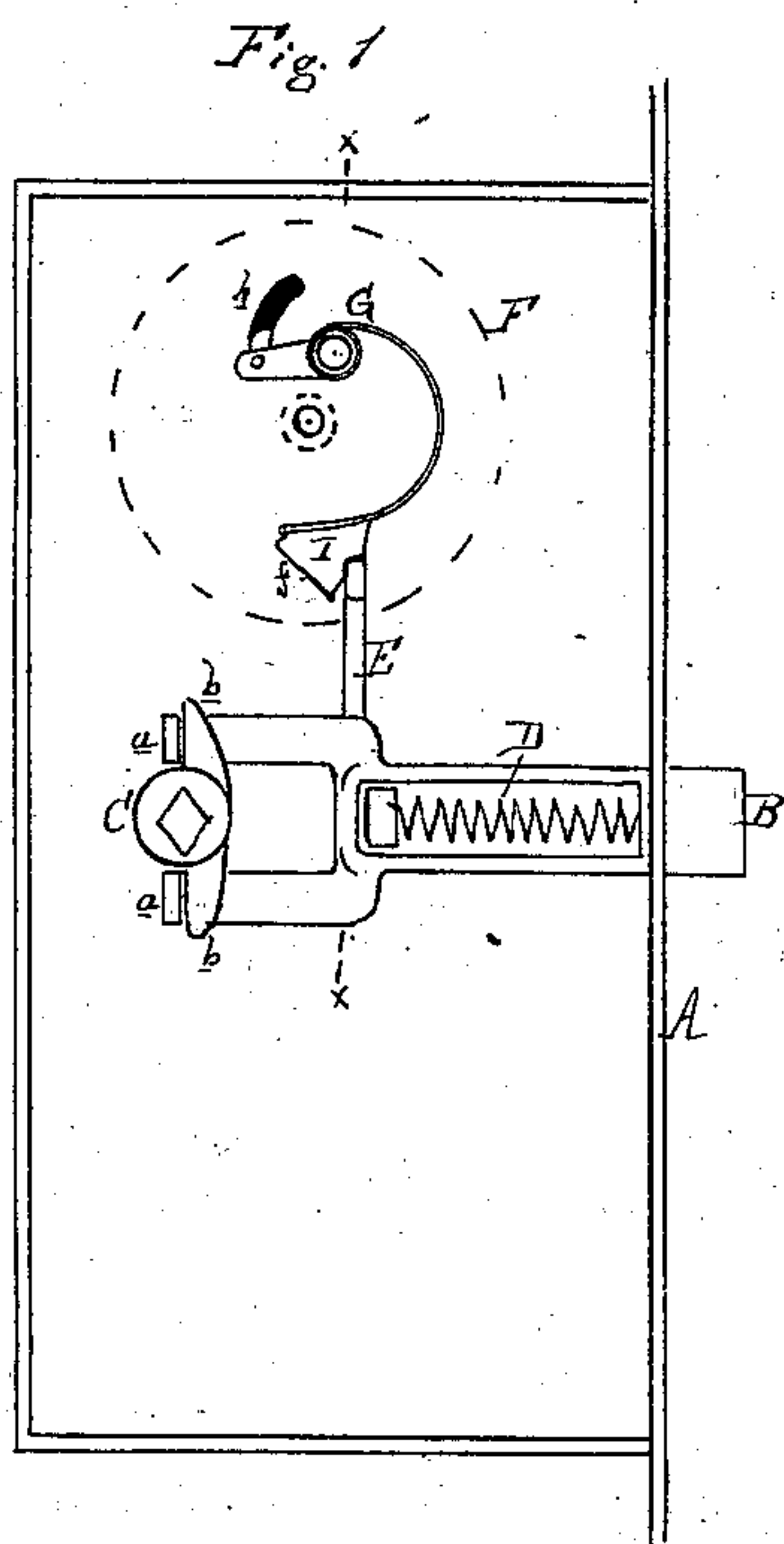
(No Model.)

H. J. H. SCHUETT.

ALARM LOCK.

No. 275,527.

Patented Apr. 10, 1883.



Attest:
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UNITED STATES PATENT OFFICE.

HENRY J. H. SCHUETT, OF DETROIT, MICHIGAN.

ALARM-LOCK.

SPECIFICATION forming part of Letters Patent No. 275,527, dated April 10, 1883.

Application filed July 27, 1882. (No model.)

To all whom it may concern:

Be it known that I, HENRY JOHN HERMANN SCHUETT, of Detroit, in the county of Wayne and State of Michigan, have invented new and useful Improvements in Alarm-Locks; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form a part of this specification.

The nature of this invention relates to certain new and useful improvements in locks for doors of that class which are actuated by a spindle with knobs upon the ends; and the invention consists in the peculiar manner of the construction and operation, with said lock, of an alarm-bell, as more fully hereinafter described.

Figure 1 is a front view of a lock with one of the sides and the bell removed. Fig. 2 is a vertical section on the line X X in Fig. 1. Fig. 3 is a detail.

In the accompanying drawings, which form a part of this specification, A represents the shell of the lock; and B, the bolt of the same, the free end of which projects through the side of the shell. The rear end of this bolt terminates in the two legs *a a*, the free ends of which are turned up at right angles to the body thereof.

C is a hub; and the spindle of this hub is provided with two arms, *b*, as shown, the parts being so arranged that on turning the knob (not shown) on either side of the door to which the lock is attached in either direction it will withdraw the end of the bolt B within the case, allowing the door to open. A spring, D, is employed to force the bolt outward on pressure being released from the knob and spindle. The arm E is rigidly secured at one end to the bolt B, and its free end terminates in an inwardly-projecting dog, *c*. (Shown in dotted lines in Fig. 2.)

F is a bell of the gong character, secured within the shell of the lock. G is a stud, the small end *d* thereof being pivoted through one of the sides of the shell. To this stud is secured the hammer I by means of the spring H, and this hammer is provided with two inclined faces, *e* and *f*, and in the face *e* is cut the notch

g, which, when the parts are in place, engages with the dog *c* upon the end of the arm E. As the spindle is turned to withdraw the latch this dog *c* forces the spring and hammer backward until the spring has become so bent that the end of the dog *c* will pass out of the notch, and strike against the inclined part of the face *e*, which will raise the hammer I until the said inclined face *e* passes over the end of the dog and allows the hammer to strike the side of the bell. As the latch is projected by its spring after the knob is released, the end of the dog will pass up the inclined face F of the hammer, down the inclined face E, and reseal itself in the notch therein.

In order to so arrange the hammer that it will be inoperative when it is desired to use the lock without using the bell, I arrange the parts as follows: The stud H has secured to it an arm, J, and to the free end of this arm is secured the shaft and screw-knob K, the shaft passing through the slot *h* in one of the sides of the shell, allowing the knob to project on the outside of such shell, so that a movement of said knob to the opposite extremity of the slot will throw the hammer out of the reach of the arm projecting from the latch.

This alarm-lock will be found very useful upon doors, for instance, of bed-rooms, which can be entered when the parts are in position for operation without ringing the bell and disturbing the occupant, while the ease with which the bell is thrown out of position leaves the lock unobjectionable for all purposes.

What I claim as my invention is—

1. The hammer I, having oppositely-inclined faces *e f*, and notch *g*, hung upon a spring, H, combined with the arm E, having dog *c*, the latch B, and spring D, as and for the purposes set forth.

2. The center stud, G, carrying spring H, and having pivot *d*, the crank J, and threaded knob K, the hammer I, arm E *e*, latch B, and spring D, combined with the case having curved slot *h*, as and for the purposes set forth.

HENRY J. H. SCHUETT.

Witnesses:

E. SCULLY,

CHARLES J. HUNT.