

No. 812,892.

PATENTED FEB. 20, 1906.

J. H. SNOW.
BURGLAR ALARM.
APPLICATION FILED JULY 28, 1905.

2 SHEETS—SHEET 1.

Fig. 1.

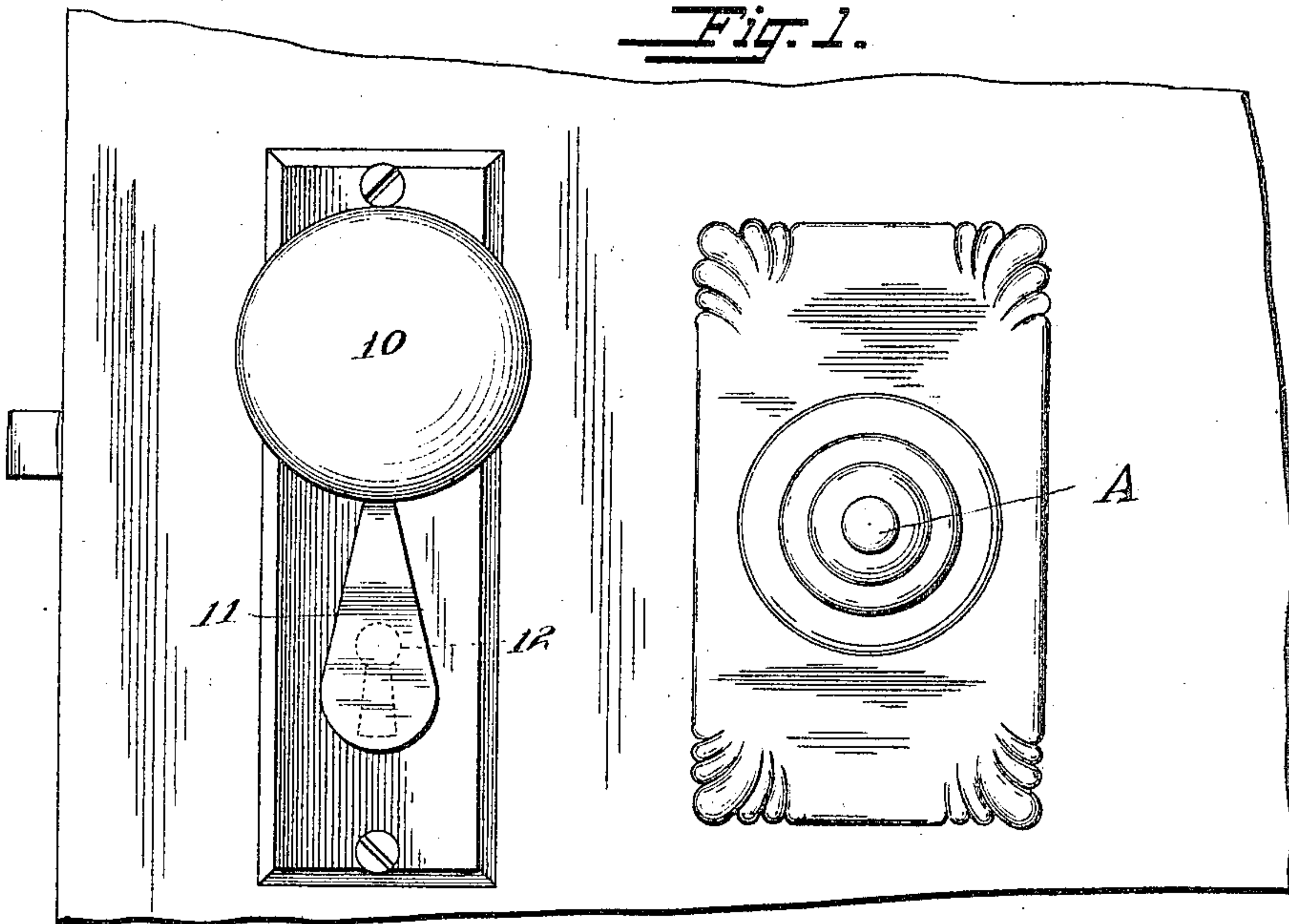
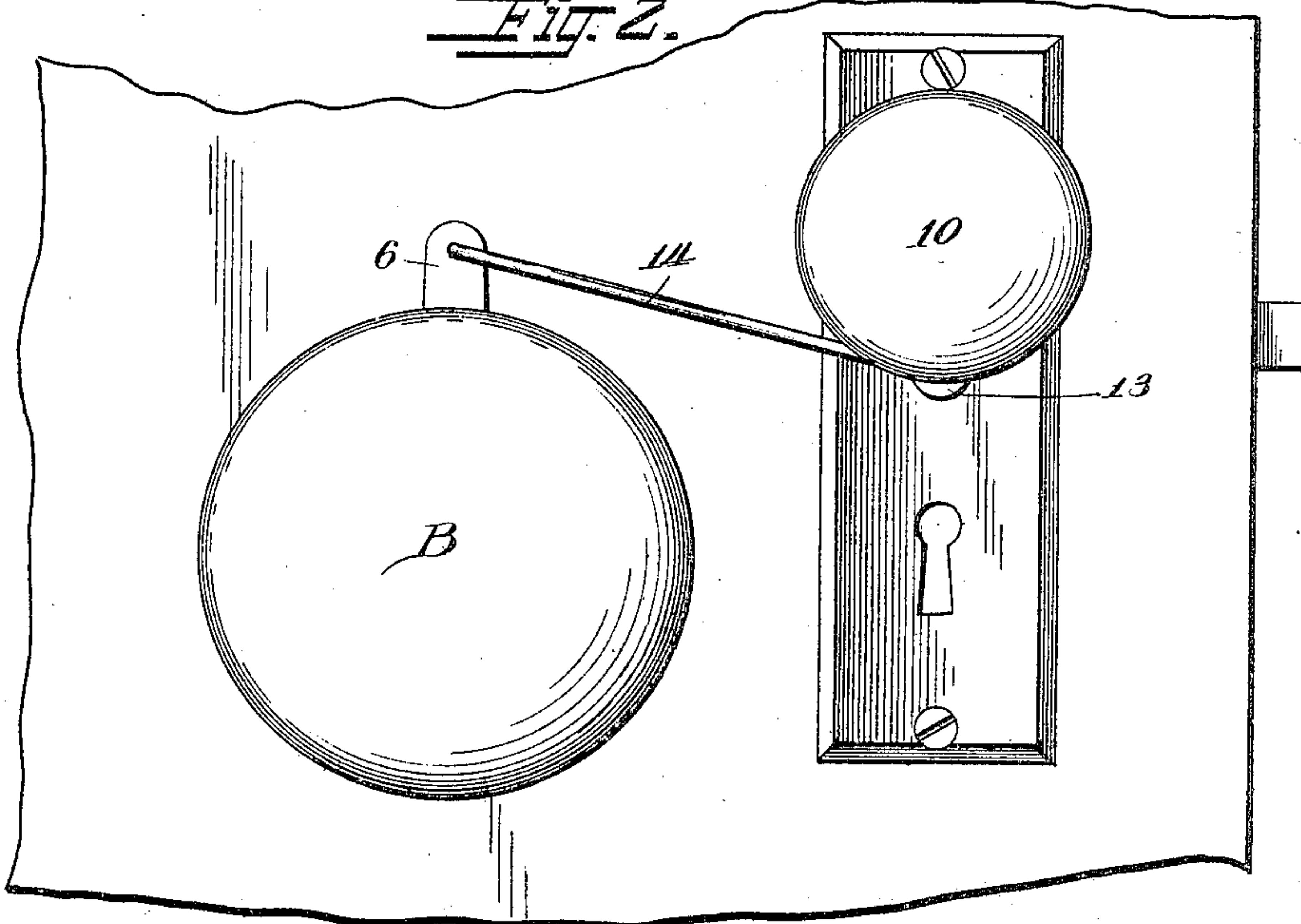


Fig. 2.



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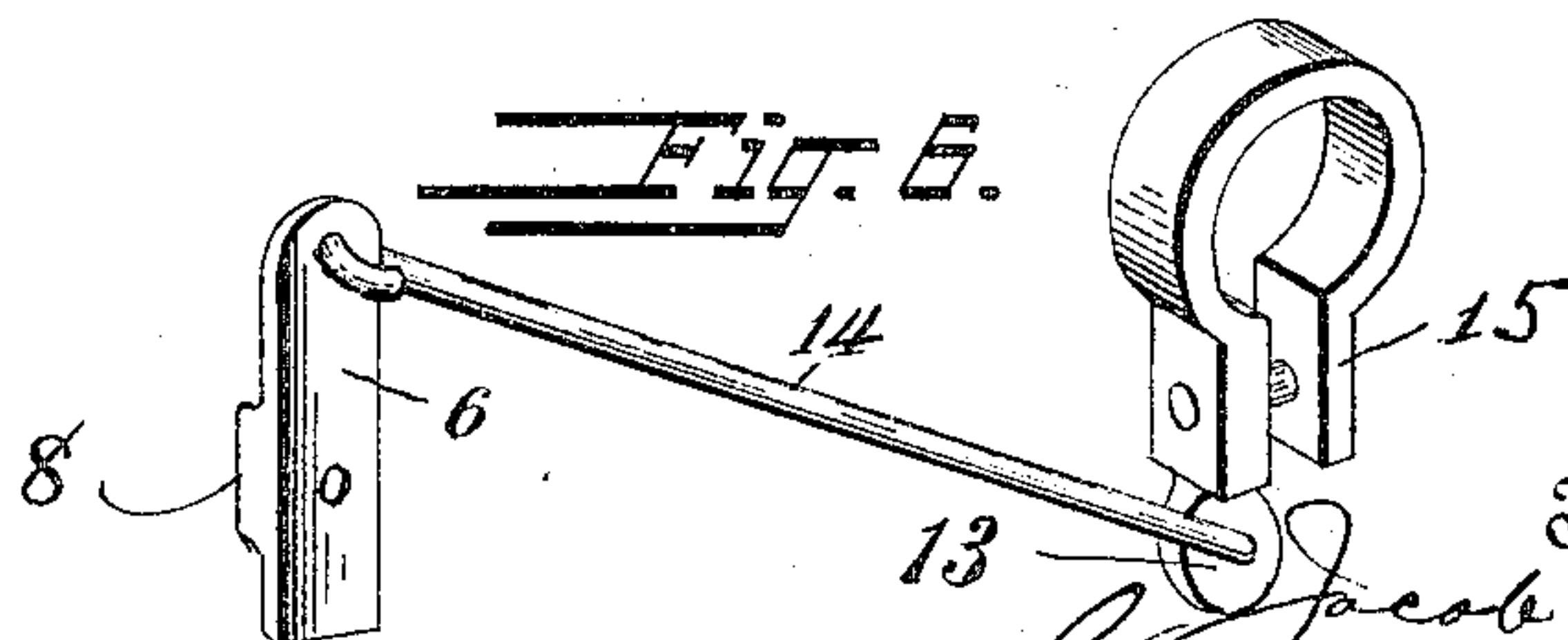
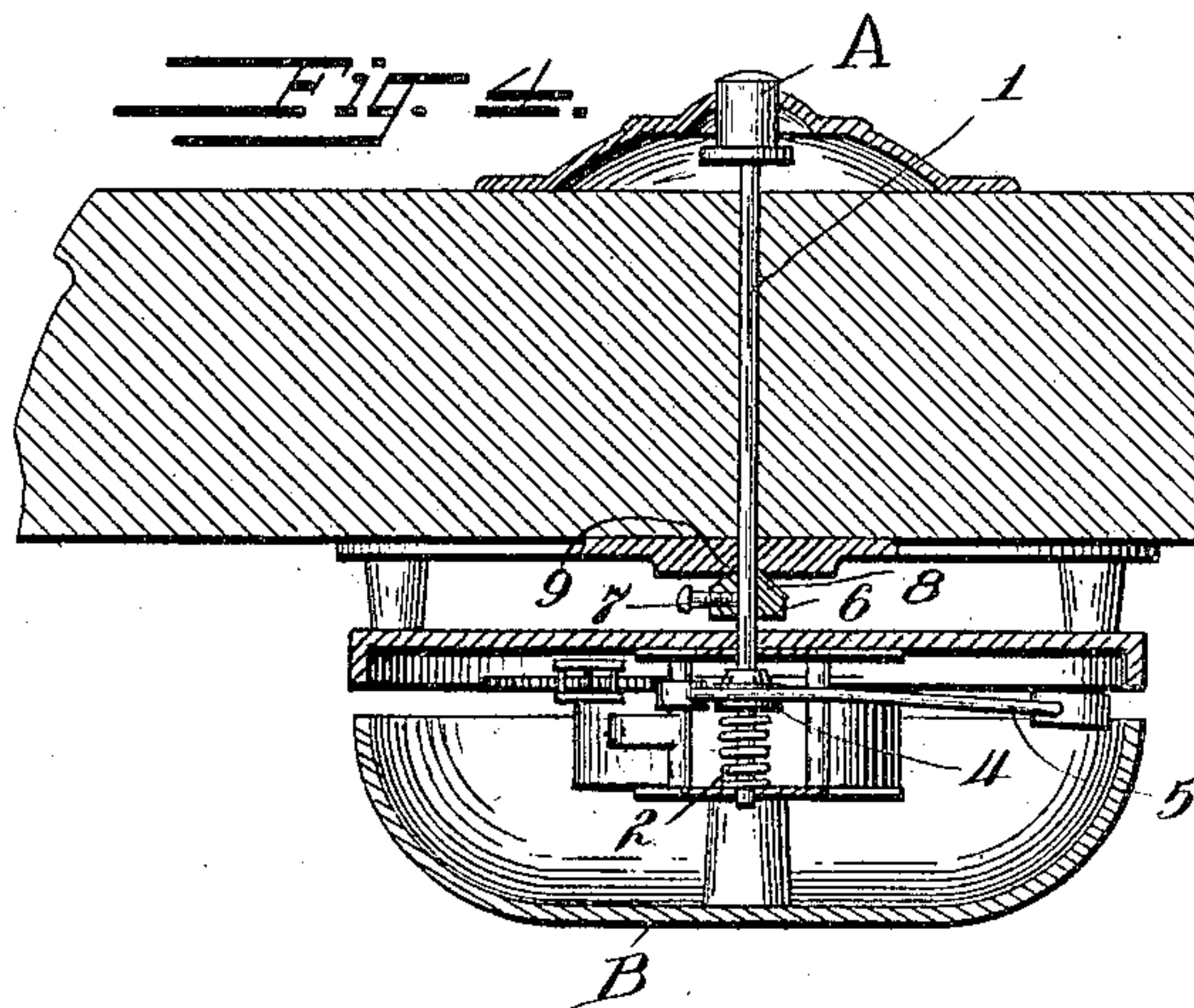
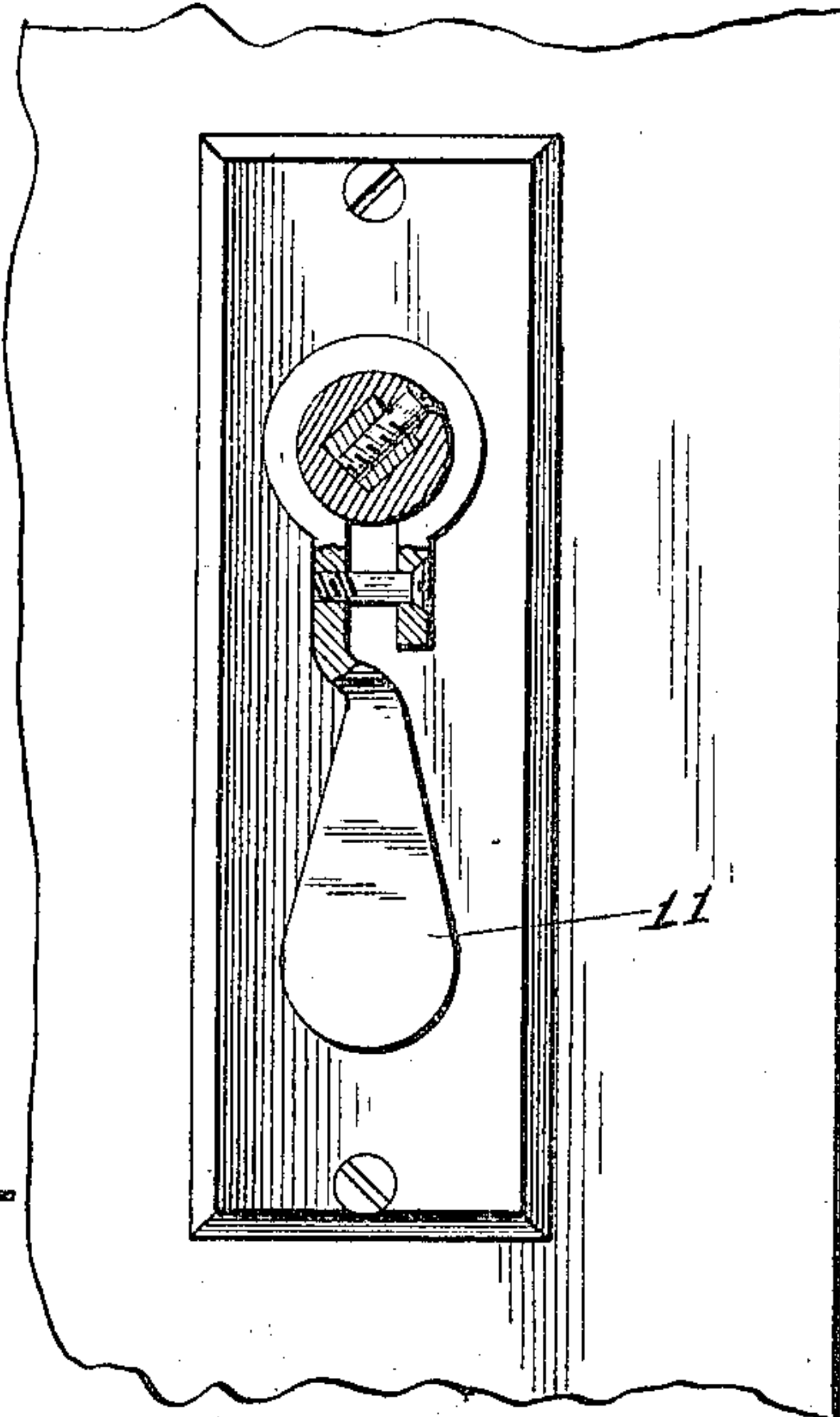
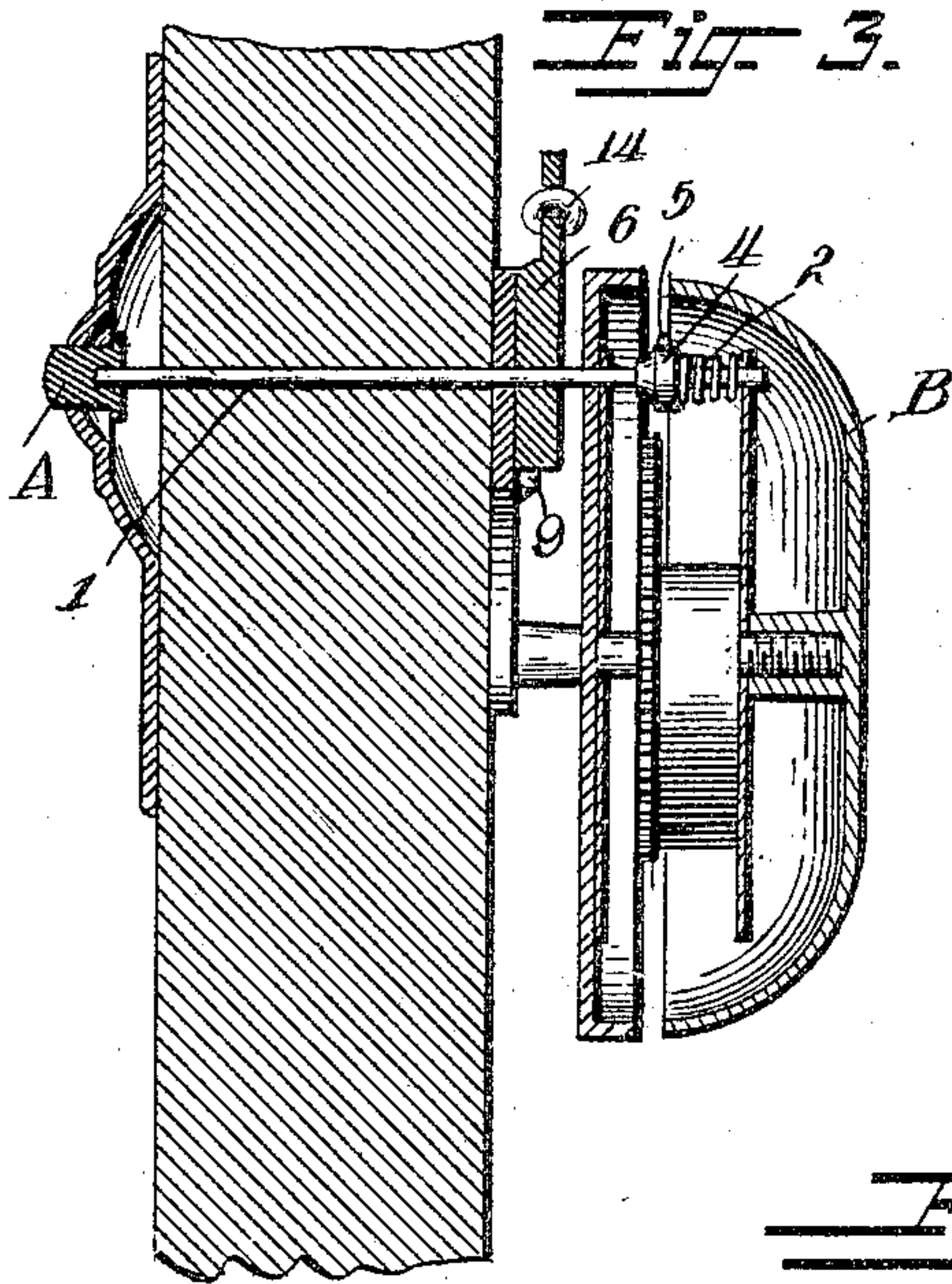
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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

JACOB H. SNOW, OF INDIANAPOLIS, INDIANA.

BURGLAR-ALARM.

No. 812,892.

Specification of Letters Patent.

Patented Feb. 20, 1906.

Application filed July 28, 1905. Serial No. 271,697.

To all whom it may concern:

Be it known that I, JACOB H. SNOW, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Burglar-Alarms, of which the following is a specification.

My invention relates to an improvement in burglar-alarms; and the object is to provide means whereby the turning of the knob or the insertion of anything in the keyhole from the outside will cause the sounding of an alarm.

With this object in view my invention consists in means connecting the door-bell with the knob, so that the bell is sounded if an attempt is made to open the door—that is to say, when the alarm is set for this purpose.

This invention further consists in certain novel features of construction and combination of parts which will be hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figures 1 and 2 are views of the lock and alarm from opposite sides of the door. Fig. 3 is a vertical section through the alarm. Fig. 4 is a horizontal section through a portion of the same. Fig. 5 is a section through the knobs; and Fig. 6 is a detached view of the connecting-rods, which extends from the lock to the alarm.

A represents an ordinary push-button, and B is a bell adapted to be sounded by pushing upon the button. A rod 1 extends through the bell mechanism in alinement with the push-button, a spring 2 forcing it normally outward. This rod has a collar 4 thereon which normally rests in the vibratory path of the hammer-shank 5, whereby to prevent the latter from striking the bell when in its normal position. An arm 6 is secured to this rod by a set-screw 7 or otherwise, and this arm is provided with a V-shaped enlargement 8 on its forward surface which is normally held in a corresponding V-shaped groove or recess 9 on the frame of the alarm. The spring holds the frame yieldingly in this position until it is forced back by pushing on the button or aside by turning the knob to effect an entrance.

The numerals 10 10 indicate the knobs. A keyhole-plate 11 is secured to the shank of the outside knob and rests normally over the keyhole 12, so that it must be pushed aside in order to insert a key or other device into the keyhole. On the other or inside knob-

shank a lug 13 is secured by a clamp 15, and the connecting-rod 14 extends from this lug to the arm 6, so that the turning of the knob by taking hold of it direct in the usual way to open a door or by forcing the keyhole-plate aside the alarm is sounded. It is accomplished by forcing the collar 4 from the path of the hammer-shank, thus permitting the clockwork to act upon the hammer and cause the sounding of the bell or alarm.

It is obvious that the connecting-rod may be detached by unhooking it from the lug 13, but when hooked it is impossible to either turn the knob or insert a key from the outside without sounding the alarm.

From the foregoing it will be seen that I utilize the regular door-bell by the use of the connecting-rod, and the invention consists, really, in means extending from the knob to the bell for sounding the latter when the knob is moved from its normal position.

Slight changes might be resorted to in the form and arrangement of the several parts described without departing from the spirit and scope of my invention, and hence I do not wish to limit myself to the exact construction herein set forth; but,

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

1. The combination with the frame of a bell, a bell-hammer shank, and a spring-actuated slide-rod having an enlargement thereon resting normally in the path of said shank, an arm secured to the rod, the frame of the bell having a recess therein for the reception of the arm, of a door-knob, and means secured to the knob and arm for operating the alarm.

2. The combination with the frame of a bell, a bell-hammer shank, and a spring-actuated slide-rod having an enlargement thereon in the path of the shank, an arm secured to the shank, the frame of the bell having a recess therein for the reception of the arm, of a door-knob, and means connecting the knob and arm together, whereby the arm is caused to ride up the sides of the recess by the turning of the knob and sound the alarm.

3. The combination of a bell-hammer shank, a spring-actuated slide-rod for controlling the latter an arm on the rod having a V-shaped enlargement on one face thereof, the arm of the bell having a V-shaped recess or socket in which the enlargement normally rests, a push-button in position to actuate

the rod, a door-knob, and means extending from the knob to the arm.

4. The combination with a door bell, knob and lock having the usual keyhole, of an
5 outer knob-shank, a keyhole-plate rigidly secured to the outer knob-shank, and normally closing the keyhole, an inner knob-shank and means extending from the inner knob-shank to the bell whereby to cause the sounding of
10 the latter with the turning of the knob or the moving the keyhole-plate.

5. The combination of a bell - hammer shank, and a spring-actuated slide-rod for controlling the latter, said rod having an en-
15 largement thereon, which normally rests in the path of the vibratory shaft of the ham-

mer-shank whereby to prevent the latter from striking the bell when it is in its normal position, an arm secured to the rod, a push-button for forcing the rod endwise to release the
20 bell - hammer, means for normally holding the arm in position, a rod extending from the knob to the arm whereby the arm is rocked with the turning of the knob, to move the rod endwise and release the bell-hammer. 25

In testimony whereof I affix my signature in presence of two witnesses.

JACOB H. SNOW.

Witnesses:

O. I. STANLEY,
M. LA FOLLETTE.