

No. 663,586.

Patented Dec. 11, 1900.

J. SIMONI.
BURGLAR ALARM DOOR LOCK.
(Application filed June 21, 1900.)

(No Model.)

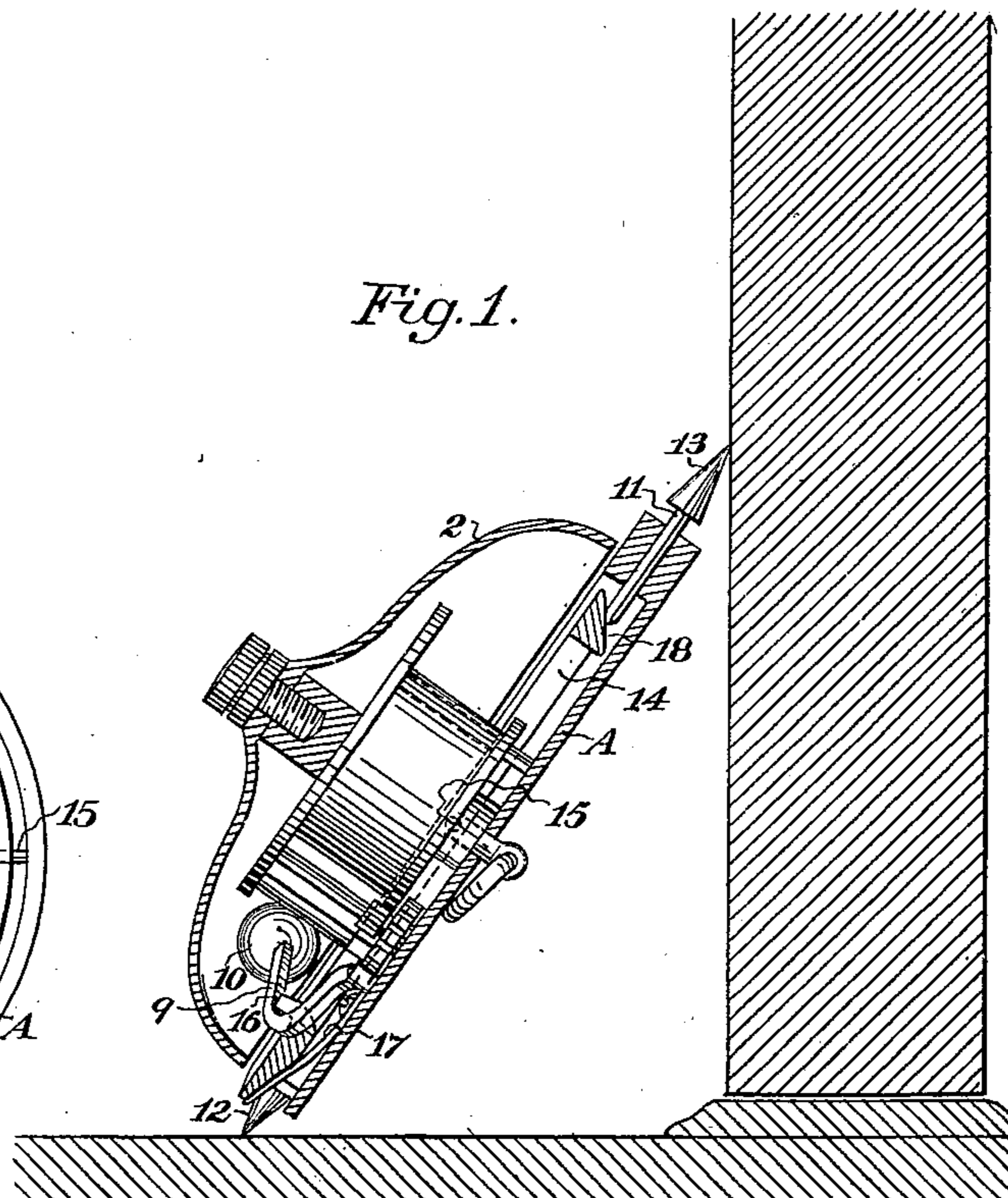
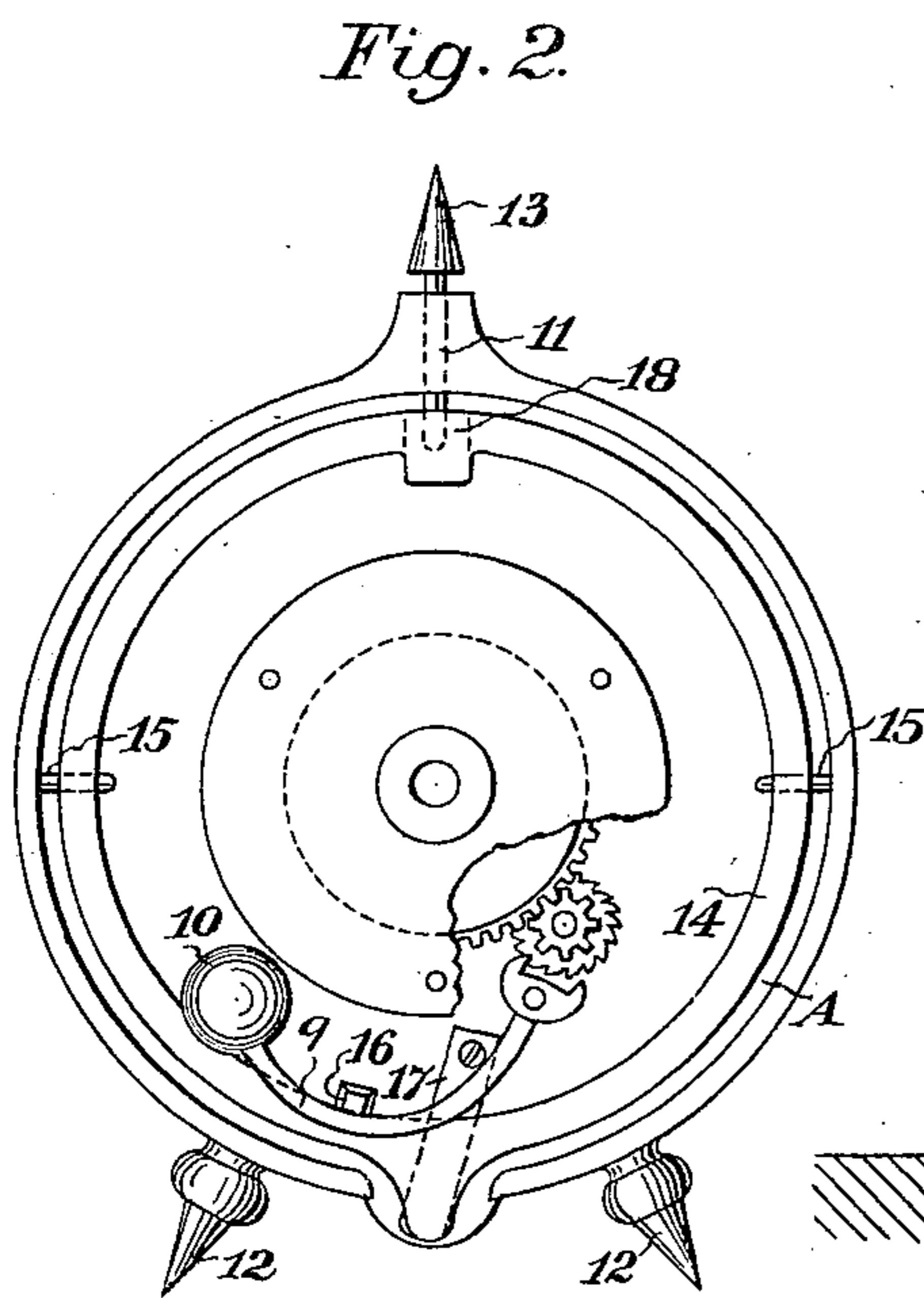
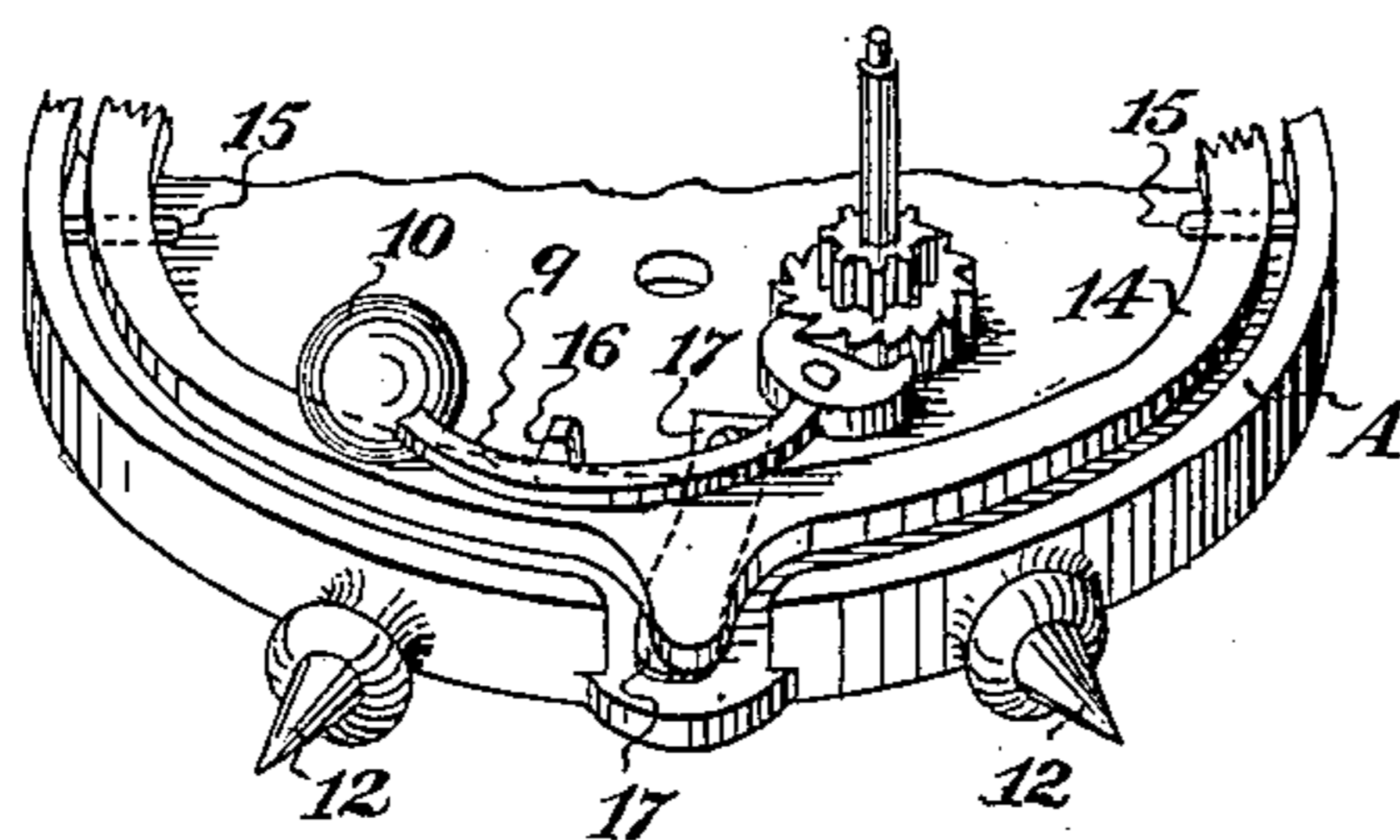


Fig. 3.



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UNITED STATES PATENT OFFICE.

JENNIE SIMONI, OF SAN FRANCISCO, CALIFORNIA, ASSIGNOR OF ONE-HALF
TO WILLIAM K. HAYS AND IRA C. HAYS, OF SAME PLACE.

BURGLAR-ALARM DOOR-LOCK.

SPECIFICATION forming part of Letters Patent No. 663,586, dated December 11, 1900.

Application filed June 21, 1900. Serial No. 21,037. (No model.)

To all whom it may concern:

Be it known that I, JENNIE SIMONI, a citizen of the United States, residing in the city and county of San Francisco, in the State of California, have invented an Improvement in Burglar-Alarm Door-Locks; and I hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to a device for securing doors from the inside, an alarm, and a detent, and a novel mechanism by which said detent is released to allow the alarm to be sounded or energized whenever pressure is applied tending to open the door.

My invention also comprises details of construction, which will be more fully explained by reference to the accompanying drawings, in which—

Figure 1 is a sectional view of my device in position to lock the door. Fig. 2 is a face view of the base-plate with the alarm-gong removed. Fig. 3 is a perspective view of a portion of the device.

A is the base-plate, upon which is mounted a gong or alarm of any description, as shown at 2, secured upon a central spindle, which supports it from the base-plate. The hammer 10, by which the alarm is sounded, is operated by a spring-actuated escapement and clockwork mechanism of any usual or well-known description.

In order to employ this device for the purpose of locking the door and providing means for operating it whenever pressure is applied to open the door, I have shown points 12 and 13. The points 12 are fixed in the lower part of the plate A and adapted to rest upon the floor, and, the device standing at an incline, the upper point 13 rests against the door. This upper point is sufficiently sharp to prevent it from slipping on the door, and if pressure is brought it will act directly against this point. The point 13 has a stem or shank 11, which is slidable in a suitable guiding portion of the upper part of the base A. Within the base A, which is chambered for the purpose, is fitted an annular ring 14. This ring has pivot-pins at 15 at opposite sides and approximately in line with the center, these pins being supported upon the rim or flange of the plate A, so that the ring 14

may be tilted about these pivot-points. At the lower end of this ring 14 is a detent 16, and this detent is normally raised, so as to engage the lever-arm 9 by a spring 17, which by engaging the detent with the lever-arm prevents the operation of the hammer. The opposite side of the ring has a beveled or inclined surface 18, which stands in line with the inner end of the stem 11 of the point 13. A separate spring may, if desired, be so placed as to press the stem 11 outwardly; but I have found that a single spring 17, which acts to hold the lower edge of the ring up with the detent in engagement, is also sufficient to depress the opposite end and push the stem 11 outwardly. The device being in position, standing at an incline against the door, as shown, if pressure is applied to push the door inwardly the point 13 and its stem 11 are correspondingly pushed, and the stem, sliding in its guide, acts against the inclined face 18 at the upper side of the ring and raises this side of the ring, which, tilting upon the pivot-points 15, correspondingly depresses the opposite side until the detent is disengaged from the arm 9 or equivalent stop, and the alarm is thus allowed to be sounded.

The device is simple and extremely efficient for the purpose.

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

1. The combination with a spring-actuated alarm of a locking device, consisting of fixed points connected with the base-plate of the alarm adapted to rest upon the floor, a point adapted to rest against the surface of the door and having a shank slidable in the upper part of the base-plate, an annular ring having its opposite sides pivoted to the base-plate, said ring carrying a detent upon one edge, which engages and normally retains the alarm out of action, and an incline upon the opposite side in line with the slidable shank of the movable point whereby the movement of the point disengages the detent and allows the alarm to sound.

2. A door-locking and alarm apparatus consisting of a spring-actuated alarm, points fixed to the lower side of the base-plate adapted to rest upon the floor, a point slidable in

the upper part of the base-plate and adapted
to rest against the door when the plate stands
at an angle between the floor and the lower
part of the door, a ring fitting the base-plate
5 having the pivot-points on opposite sides
about which it is tiltable, a detent upon the
lower side of the ring, a spring by which the
ring is tilted to cause said detent to engage
the alarm and normally hold it out of action,
10 an inclined or beveled lug upon the upper
side of the ring in line with the slidable shank

of the upper point whereby the inward move-
ment of said shank acts to tilt the ring and
disengage the detent to allow the alarm to be
sounded.

In witness whereof I have hereunto set my
hand.

JENNIE SIMONI.

Witnesses:

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B. H. NELSON.