

D. REYAM.
BURGLAR ALARM.
APPLICATION FILED NOV. 30, 1904.

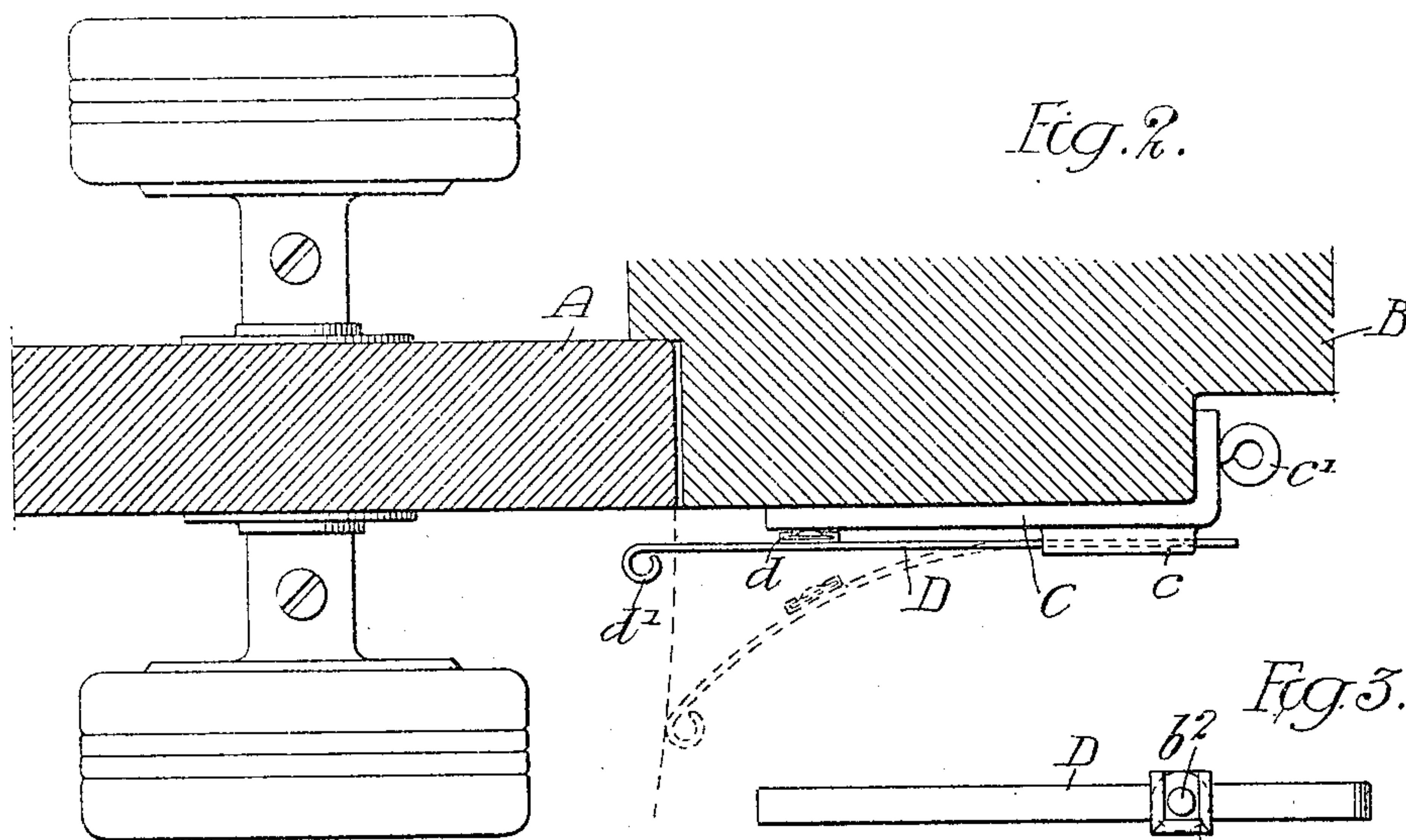


Fig. 1.

Fig. 3.

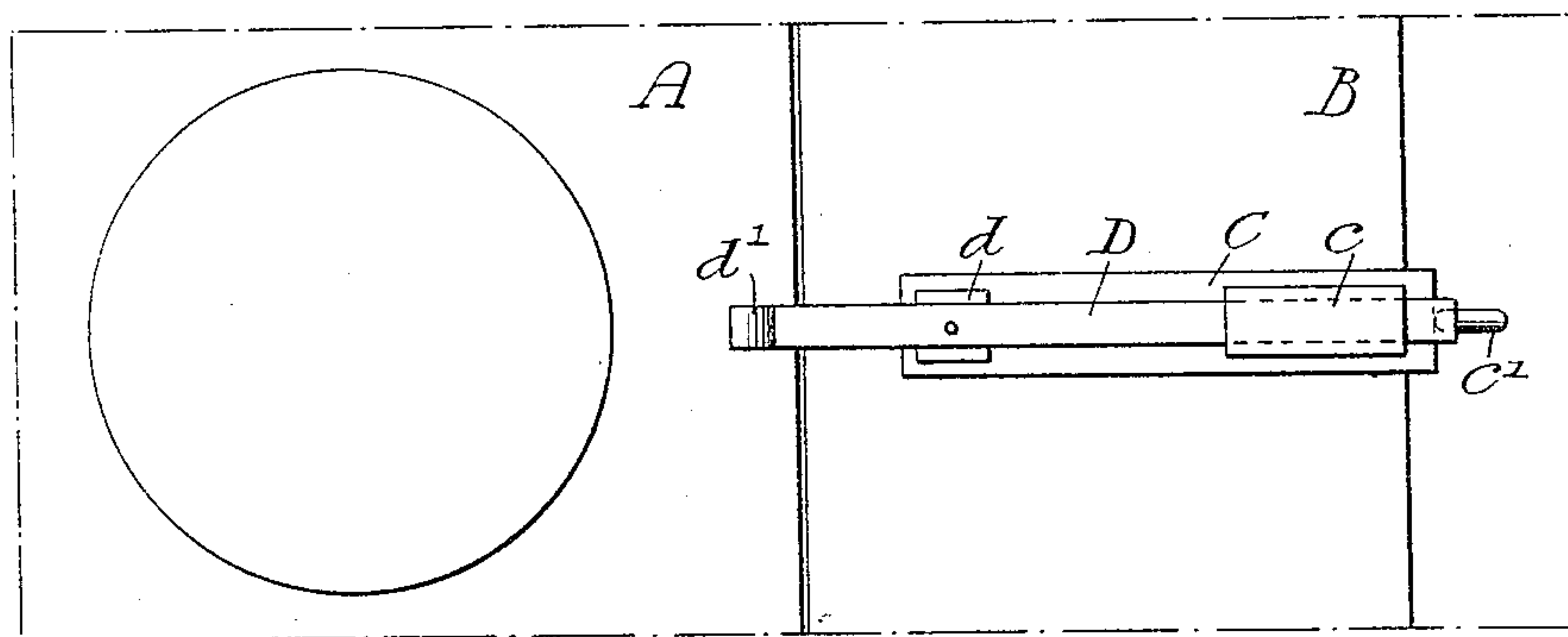


Fig. 4.

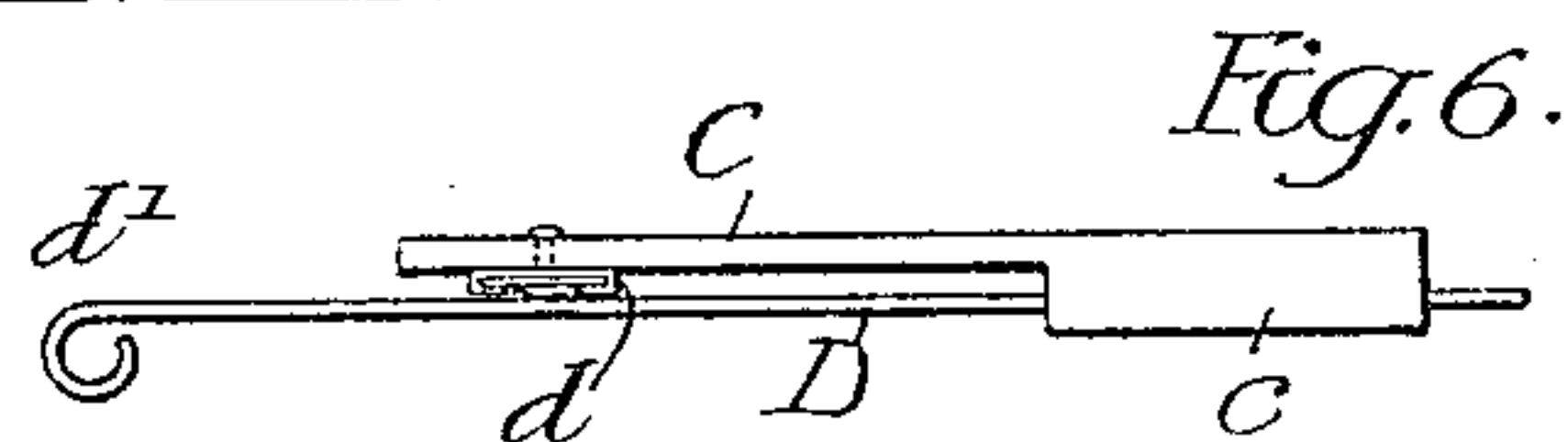


Fig. 6.

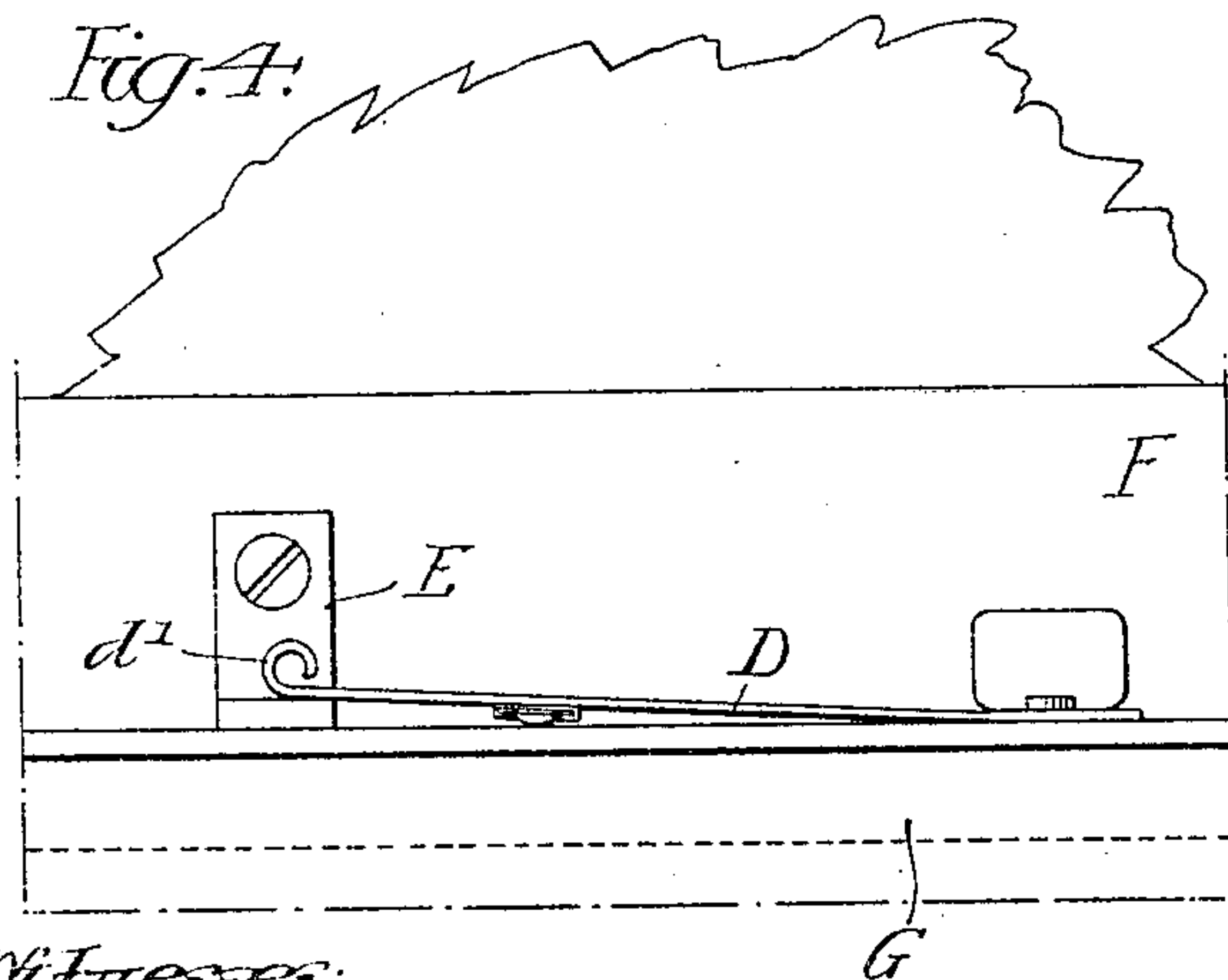
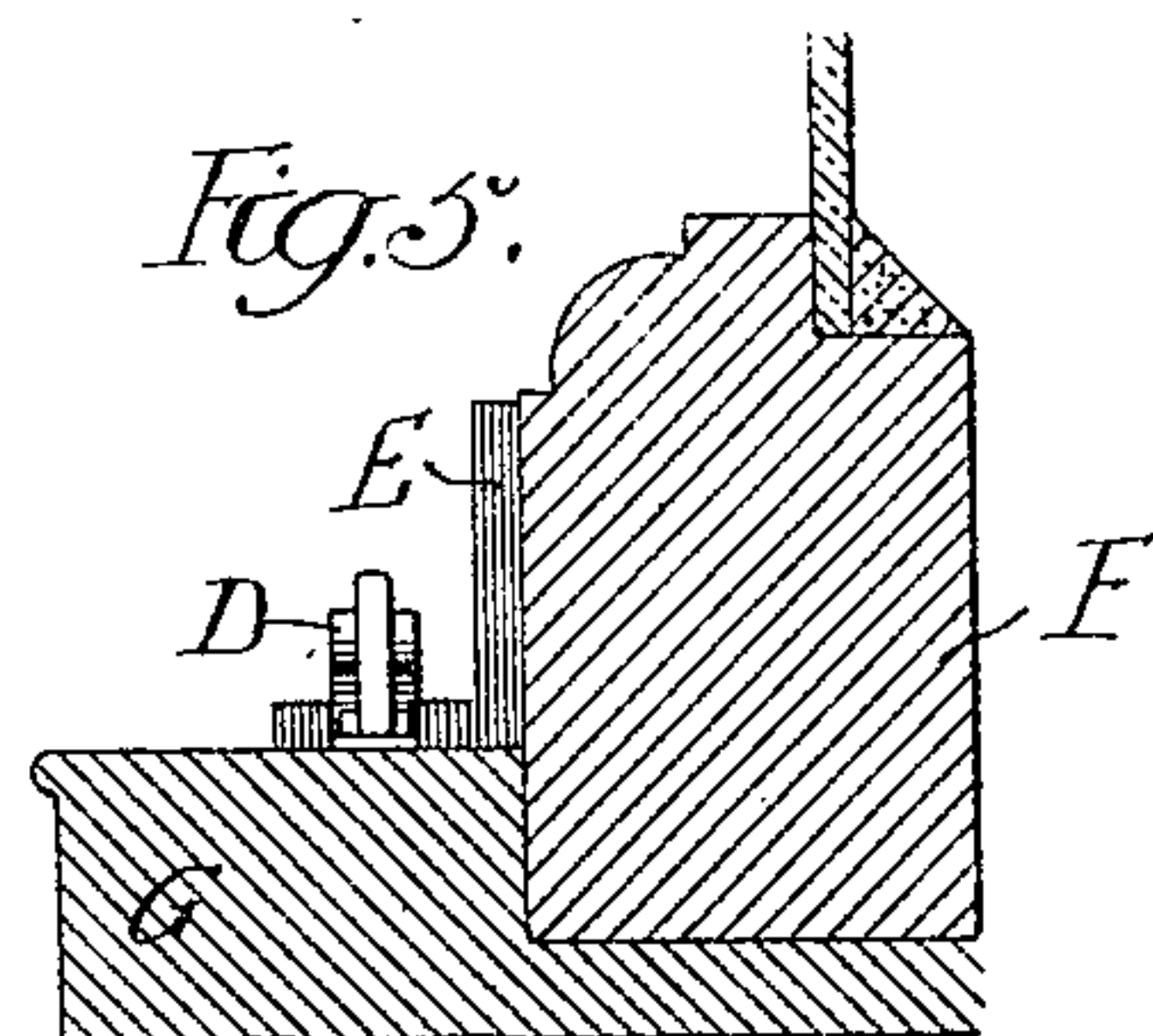


Fig. 5.



Witnesses:
Wesley H. Reel
Titus N. Gross.

Inventor:
David Reyam.
by his Attorneys:
Hosmer & Howson

UNITED STATES PATENT OFFICE.

DAVID REYAM, OF PHILADELPHIA, PENNSYLVANIA.

BURGLAR-ALARM.

No. 801,105.

Specification of Letters Patent.

Patented Oct. 3, 1905.

Application filed November 30, 1904. Serial No. 234,947.

To all whom it may concern:

Be it known that I, DAVID REYAM, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented certain Improve-
5 ments in Burglar-Alarms, of which the following is a specification.

My invention consists of a relatively simple and inexpensive alarm so constructed as to be conveniently attached to a door or window and
10 of such a nature that when properly set it will cause a suitably-placed cartridge to explode when such window or door is opened.

The invention further includes a burglar or other alarm involving such a combination of
15 parts that when it is desired to use the door or window the device may be so adjusted as to remain inoperative until it is desired that it shall become operative, all as hereinafter claimed.

20 In the drawings herewith, Figure 1 is a front elevation of a portion of a door and its adjacent jamb, showing my invention as applied thereto and ready for use. Fig. 2 is a sectional plan view of the door and jamb shown
25 in Fig. 1 and further illustrating the construction of my improved burglar-alarm. Fig. 3 is a side elevation of the spring-arm to which is fixed the cartridge-holder, the cartridge being shown in position in said holder. Fig.
30 4 is a front elevation of a portion of a window and of the sill adjacent thereto, illustrating my invention in position ready for use thereon. Fig. 5 is a sectional elevation of the window and device shown in Fig. 4, and Fig. 6 is
35 a modified form of my invention.

In the above drawings, A is a portion of the door, and B a portion of the jamb adjacent thereto, and to this latter I fasten by any convenient means—as, for example, a screw-eye
40 *c'*—a supporting structure or plate C, which is provided with a guideway *c*, in which a spring-bar D may be made to slide longitudinally. This bar is usually of steel or spring-brass, having its end *d'* which projects be-
45 yond the door-jamb curled or curved, as shown, to avoid scratching or other injury to the door A.

Fixed in any desired manner to the spring-bar D is a cartridge-holder *d*, which in the
50 relatively simple form shown in the figures preferably consists of a plate of thin metal having three of its edges bent or turned over so as to form a receptacle for a paper fulminate cap or cartridge of the well-known con-

struction. This holder, while being rigidly 55 attached to the spring-bar D, faces toward the supporting frame or plate C.

When it is desired to operate the door without operating the alarm, the spring-bar D is made to slide in its guideway *c*, so that its 60 end *b* will not be engaged by the door A. If, however, it is desired that the alarm shall operate when the door is opened, the spring-bar D is moved into the position shown in Fig. 2, a cartridge similar in shape to that shown at 65 *b*² having been previously inserted in the holder *d*. The opening of the door A then bends the spring-bar D out of its normal position into the position shown in dotted lines in the figures, until finally said bar slides off 70 of the edge of the door and springs back to its normal position, thereby striking the cartridge in the holder *d* violently against the plate C. Such a blow invariably explodes the cartridge, and thereby attracts attention to the 75 fact that the door has been opened.

Applied to a window F the device may take the form shown in Figs. 4 and 5, the frame or plate for supporting the spring-bar D being removably or permanently screwed to the 80 window-sill G, as shown. In addition I preferably provide a small angular piece of metal E, fastening this to the window-sash in such manner that a portion of it extends under the spring-bar D. As in the case of the door, the 85 opening of the window bends the end of the spring-bar D out of its normal position, but finally allows it to return thereto, the violence of the blow struck by said bar depending upon the elasticity of the material of which it is 90 made and the distance through which it is moved from its normal position, in any case, however, causing the explosion of a cartridge in the holder *d*.

If desired, the cartridge-holder *d* may be 95 permanently fastened to the supporting structure C, as shown in Fig. 6, the cartridge being exploded when struck violently by the spring-bar D.

I claim as my invention—

1. A burglar-alarm including a supporting-
frame, a spring-bar carried by said frame so
as to be free to slide longitudinally therein
and normally projecting beyond said frame,
and a cartridge-holder carried by one of the 105
said members, substantially as described.

2. A burglar-alarm including a supporting-
frame having a guideway, a bar movable lon-

gitudinally in said guideway, and a device carried by said bar for holding a cartridge, substantially as described.

3. The combination with a door and a jamb.
5 of a plate attached to the jamb and provided with a guideway, a spring-bar longitudinally movable in said guideway so as to be brought at will into the path of movement of the door, and a cartridge-holder on one of the members
10 comprised by the spring-bar and the plate, substantially as described.

4. The combination in a burglar-alarm, of a flat bar having means whereby it may be

attached to a support, said bar having a projecting portion formed as a guideway, a spring- 15 piece slidably mounted in said guideway, and a cartridge-holder carried on one of the members comprised by the bar and the spring-piece, substantially as described.

In testimony whereof I have signed my name 20 to this specification in the presence of two subscribing witnesses.

DAVID REYAM.

Witnesses:

WILLIAM E. BRADLEY,
JOS. H. KLEIN.