

No. 617,931.

Patented Jan. 17, 1899.

C. T. KUNZ.
BURGLAR ALARM.

(Application filed Sept. 28, 1898.)

(No Model.)

Fig 1

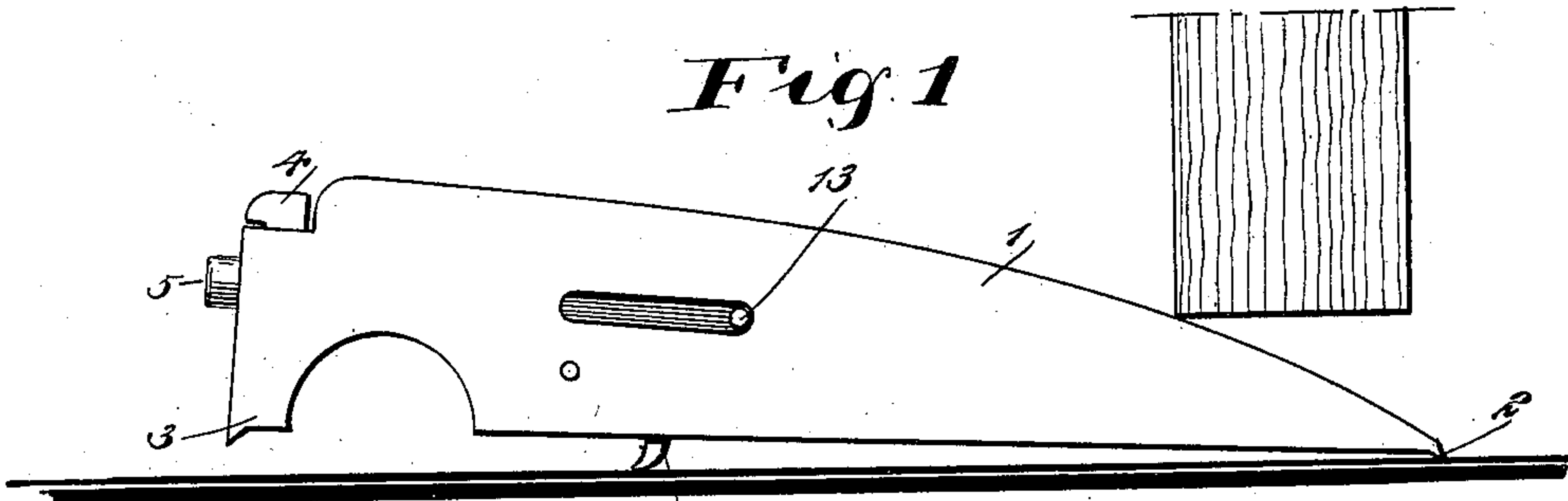


Fig 2

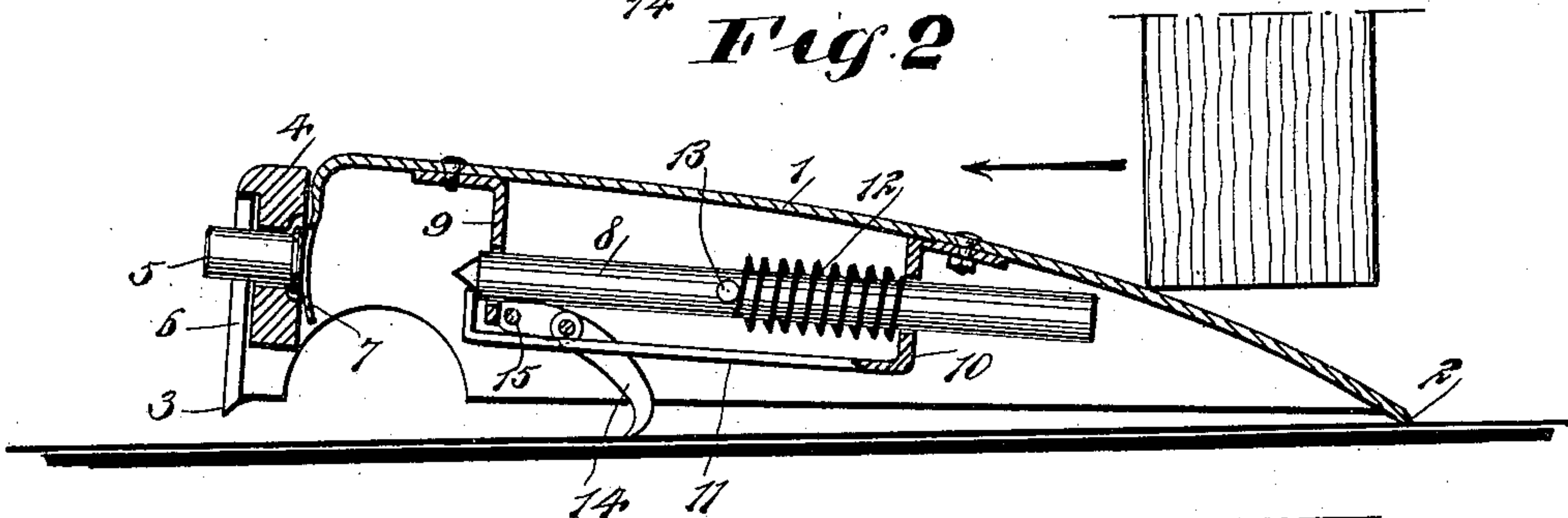


Fig 3

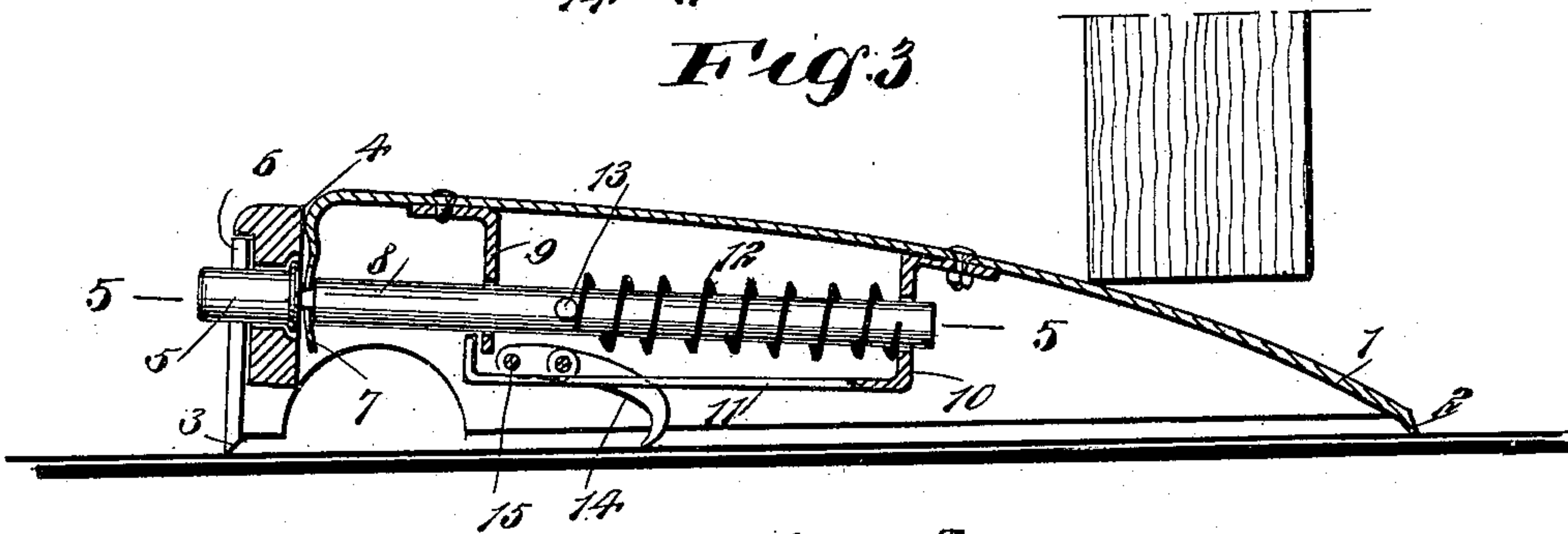


Fig 4

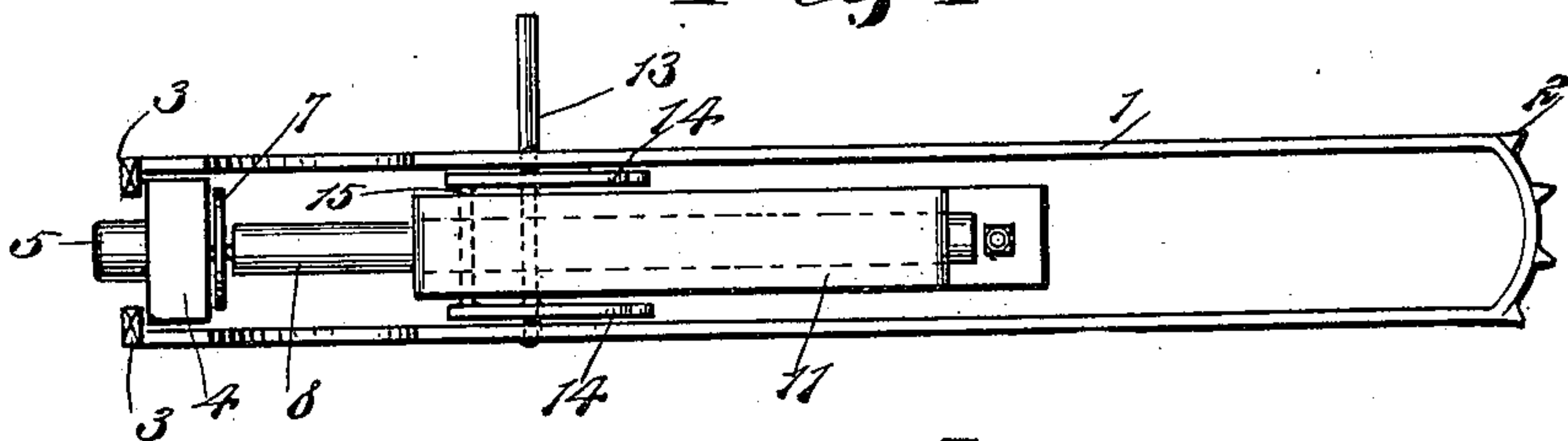
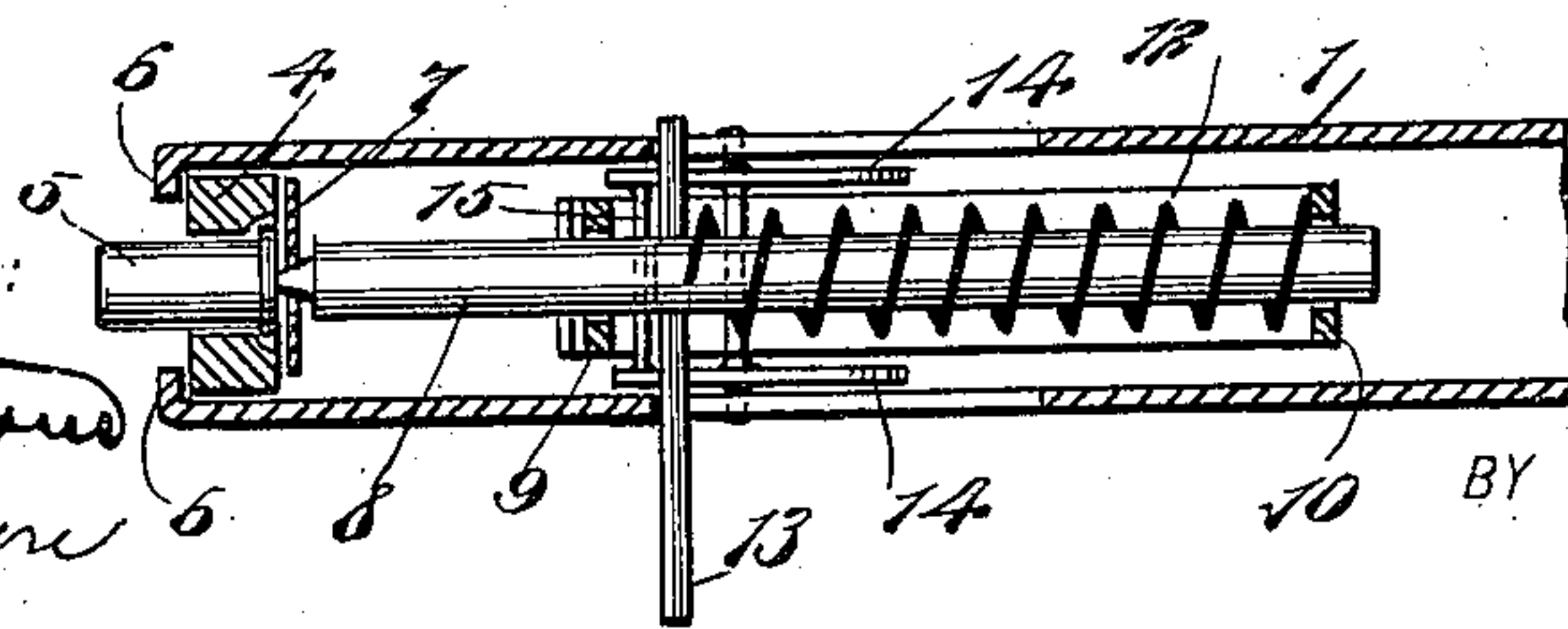


Fig 5



WITNESSES:

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UNITED STATES PATENT OFFICE.

CHARLES T. KUNZ, OF NEW YORK, N. Y., ASSIGNOR TO FRANCIS J. SCHNUGG, OF SAME PLACE.

BURGLAR-ALARM.

SPECIFICATION forming part of Letters Patent No. 617,931, dated January 17, 1899.

Application filed September 28, 1898. Serial No. 692,087. (No model.)

To all whom it may concern:

Be it known that I, CHARLES T. KUNZ, of the city of New York, borough of Manhattan, in the county of New York and State of New York, have invented a new and Improved Burglar-Alarm, of which the following is a full, clear, and exact description.

This invention relates to improvements in burglar-alarms; and the object is to provide an alarm device of simple construction that shall be comparatively inexpensive and so arranged that by pressing downward on the device by means of an opening door or the like a part will be released and caused to explode a cap or cartridge.

I will describe a burglar-alarm embodying my invention and then point out the novel features in the appended claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a side elevation of a burglar-alarm embodying my invention. Fig. 2 is a longitudinal section showing the plunger in its retracted position. Fig. 3 is a similar section, but showing the plunger in another position. Fig. 4 is a bottom plan view, and Fig. 5 is a section on the line 5 5 of Fig. 3.

Referring to the drawings, 1 designates a casing having its upper side longitudinally curved or inclined from one end to the other, and to prevent its slipping on a carpet or floor I provide the rear end of the casing with prongs 2 and its forward end with prongs 3. Mounted to slide in the forward end of the casing is a breech-block 4, having an opening to receive a cartridge. This breech-block engages at its front side with flanges 6, formed on the end of the casing, and it is held in place by a spring-plate 7, here shown as formed by turning down the end of the casing-top.

Mounted to slide longitudinally in the casing is a plunger or hammer 8. This plunger or hammer 8 is supported in hangers 9 10, and extended from the hanger 10 is a spring-latch 11, having its free end turned upward

to engage against the forward end of the plunger or hammer. The plunger or hammer is forced forward when released from the latch by means of a spring 12, coiled around the plunger or hammer and engaging at one end with the hanger 10 and at the other end with a pin 13, extended transversely through the plunger or hammer and through slots in the side walls of the casing.

A trigger 14 is mounted to swing in the casing 1, and on the forward end of the trigger is a cross-bar 15, which bears upon the upper side of the latch 11, while the rear end of said trigger extends downward below the plane of the casing.

In operation, the plunger or hammer is to be drawn rearward against the resistance of the spring 12 and held by the latch 11, as indicated in Fig. 2. Then a blank cartridge is to be placed in the breech-block and the said breech-block placed in the casing. When pressure is brought to bear on the upper side of the casing by means of an opening door or otherwise, the trigger will move the latch 11 out of engagement with the plunger, which will be forced forward by the spring 12 and explode the cartridge.

While I have described the device as a burglar-alarm, it is obvious that it may be used as a toy or as a weapon with ball-cartridges.

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

1. A burglar-alarm, comprising a casing longitudinally inclined on its upper side, flanges on the end of the casing, a spring-plate extended from the casing, rearward of the flanges, a breech-block for removably engaging between said spring-plate and flanges, a spring-actuated plunger in the casing, a latch for holding the plunger and means for releasing the latch when pressure is brought to bear upon the casing, substantially as specified.

2. A burglar-alarm, comprising a casing, means for holding a breech-block in the forward end of the casing, hangers arranged in

the casing, a plunger supported by and movable through said hangers, a spring for forcing the plunger forward, a spring-latch extended from the rear hanger and having its
5 free end turned upward to engage the forward end of the plunger, and a trigger for releasing the latch from the plunger when

pressure is applied to the casing, substantially as specified.

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Witnesses:

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