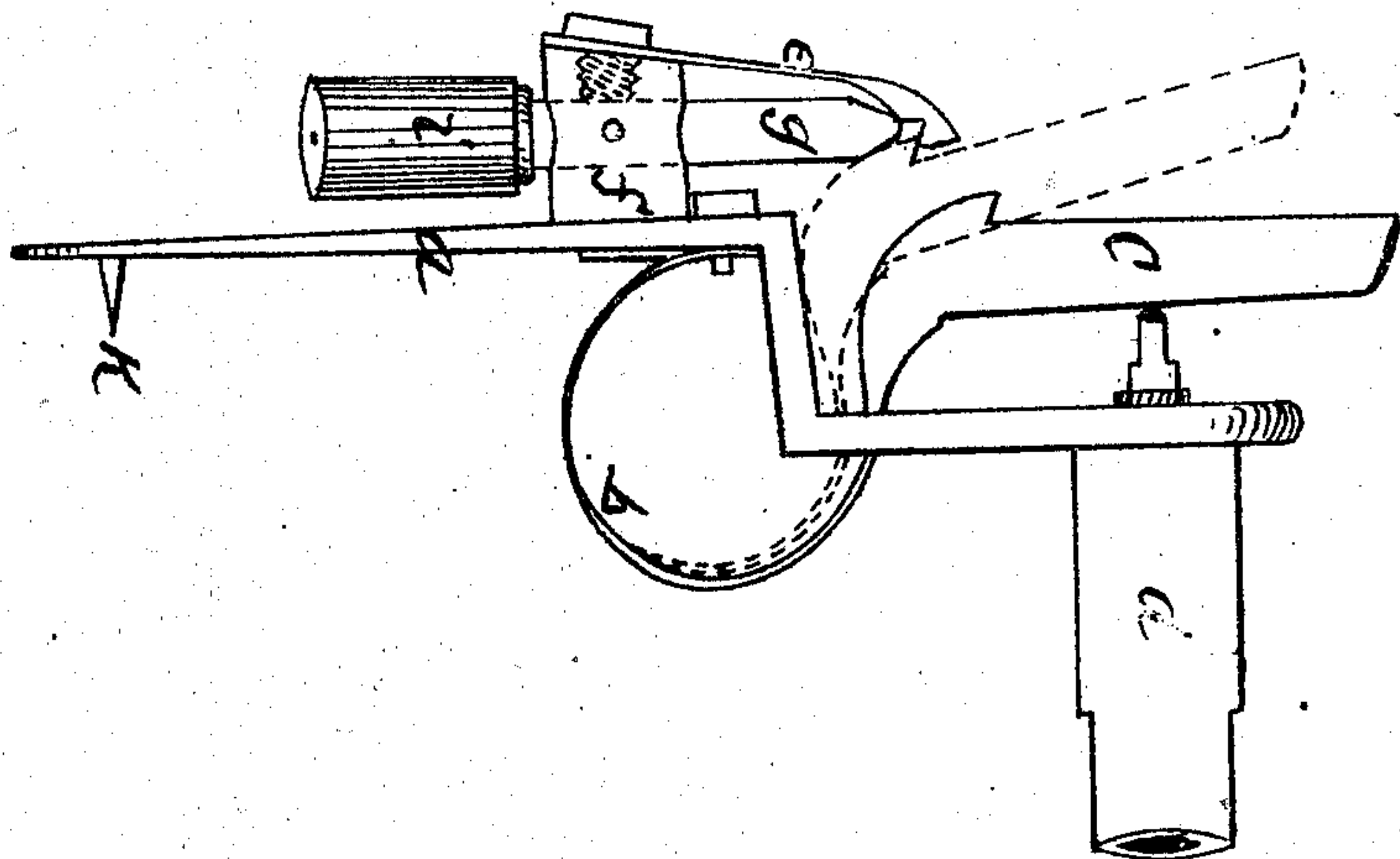


C. Knisely.
Burglar-Alarm.

Nº 75771

Patented Mar. 24, 1868



Witnesses

Gas. Howles
Frank. Nickes.

Inventor

Christian Knisely.

United States Patent Office.

CHRISTIAN KNISELY, OF CHICAGO, ILLINOIS.

Letters Patent No. 75,771, dated March 24, 1868.

IMPROVED BURGLAR-ALARM.

The Schedule referred to in these Letters Patent and making part of the same.

TO WHOM IT MAY CONCERN:

Be it known that I, C. KNISELY, of the city of Chicago, in the county of Cook, and State of Illinois, have invented certain new and useful Improvements in Burglar-Alarms; and I do hereby declare that the following is a clear and exact description of the same, reference being had to the accompanying drawings, and the letters of reference marked thereon.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

The nature and object of my invention are to provide a simple and efficient mechanism, that travellers and others can attach to any door, and when said door is opened, or attempted to be opened, an alarm will be given that will awaken the person sleeping in the room.

a is the frame or body to which are attached the operative of my mechanism, with a slot cut through it, through which the spring passes. *b* is a spring attached at one end to the frame *a*, and the other end terminating in the hammer *c*, the spring *b* and hammer *c* forming one and the same piece of metal. *d* is a small pistol-barrel attached to the upper end of the frame *a*, extending through it, and terminating on the other side in a cap-stand, and upon which an ordinary percussion-cap can be placed, and against which the hammer *d* strikes. *e* is a spring permanently fastened at the lower end to the arm *f*. The arm *f* is screwed to the frame *a*. *g* is a piston or rod, working through a hole in the arm *f*, and working up under the spring *e*. At the lower end of the piston *g* is a thumb-nut, *i*, working or screwing on this piston. *h* is a point which enters the door-post, to hold the mechanism in position when in use.

The operation of my invention is as follows: The arm *f* is unscrewed from the frame *a*; the thin end of the frame is then placed against the door-post, and the point *h* is inserted into the door-post; the door is then closed, the frame *a* coming between the door and the post; the arm *f* is then screwed into the frame *a*, and as the door is opened, or attempted to be opened, it comes against the thumb-nut *i*, which drives the piston *g* forward and unclamps the hammer from the spring *e*, to which it has been locked before the alarm has been applied to use. The action of the spring causes the hammer to strike with great force against the cap-stand, causing the cap to explode.

The red line in the drawings indicates the position of the hammer when drawn back and locked with the spring *e*. The thumb-nut *i* is adjusted at pleasure on the piston *g*, so that the door strikes it sooner or later. I can employ other methods for creating an alarm than a pistol. A wire leading from a bell could be attached to the hammer *d*, and cause a violent ringing of the bell; but for travellers the pistol will be found the most convenient.

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

1. Combining the spring *b* and hammer *c*, constructed in a single piece, with the stationary pistol-barrel *d*, all arranged as described.
2. Combining the piston *g*, hammer and spring *e*, substantially in the manner shown.
3. Adjusting the piston *g* by means of the thumb-nut *i*, substantially as shown.
4. In a burglar-alarm, the combination of the pistol-barrel *d*, hammer *c*, spring *b*, piston *g*, spring *e*, and thumb-piece *i*, all arranged and constructed as described.

CHRISTIAN KNISELY.

Witnesses:

JAS. A. COWLES,
DAN'L FERGUSON.