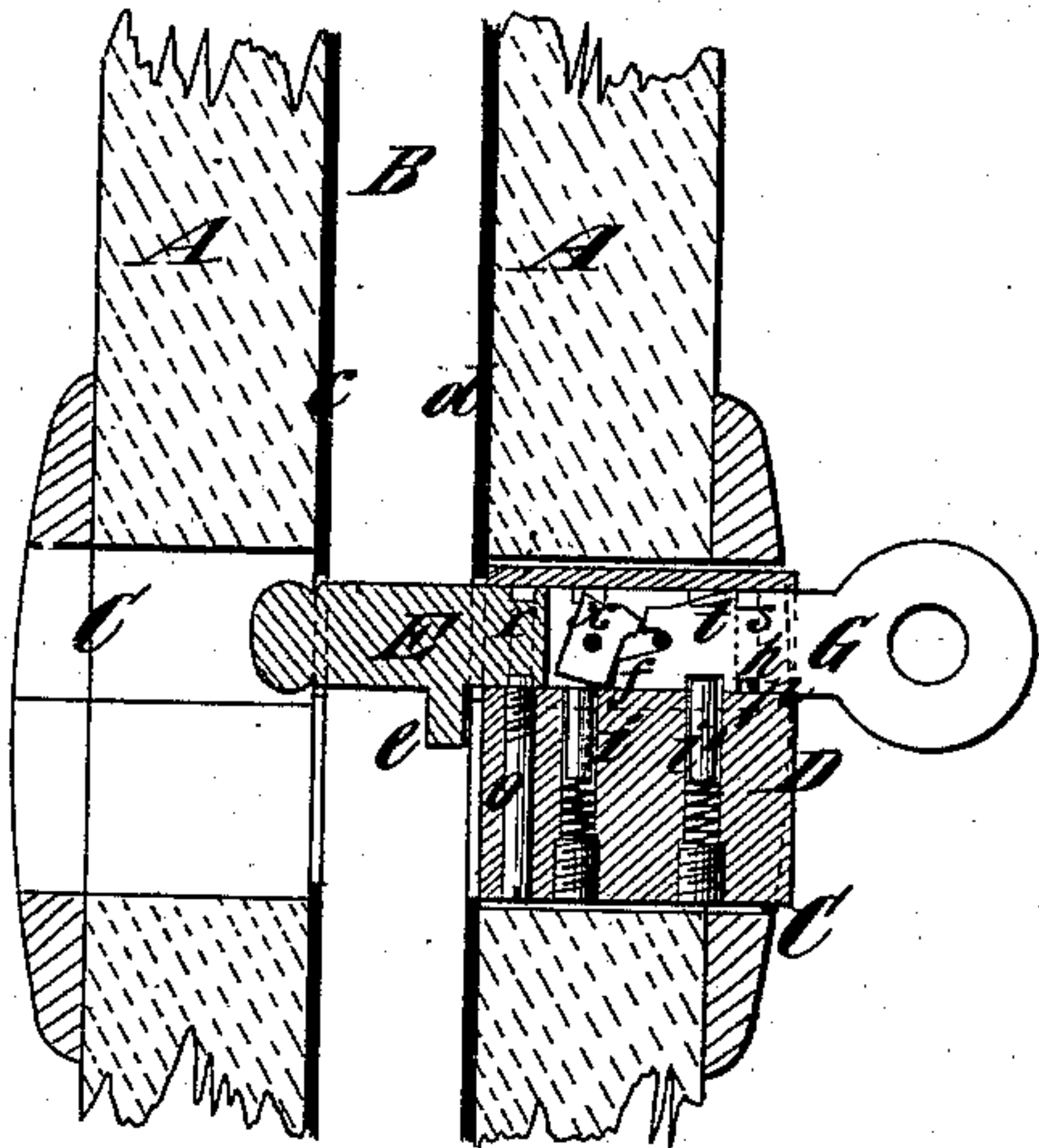


F. CANIS.  
Key-Hole Guard.

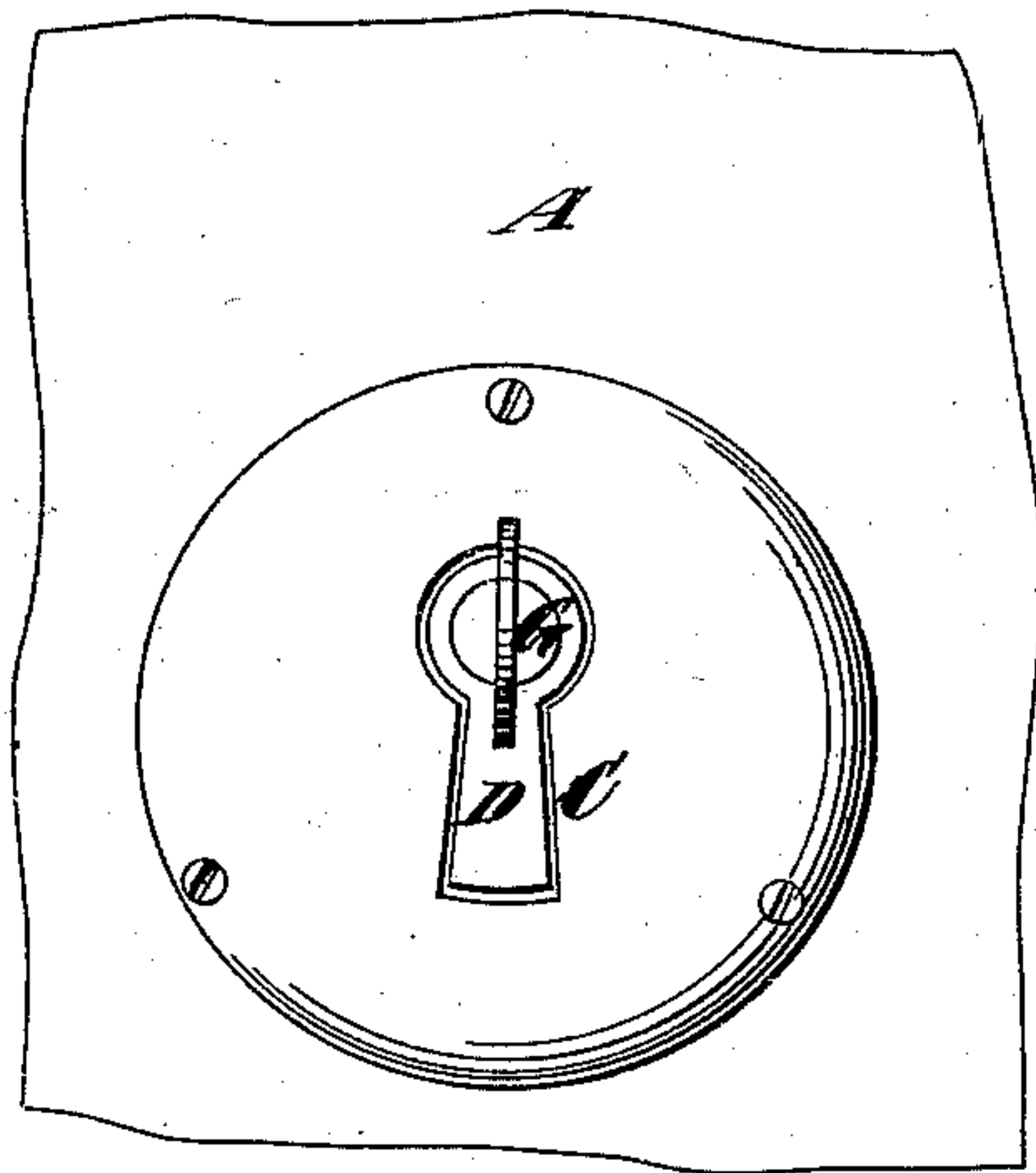
No. 223,836.

Patented Jan. 27. 1880.

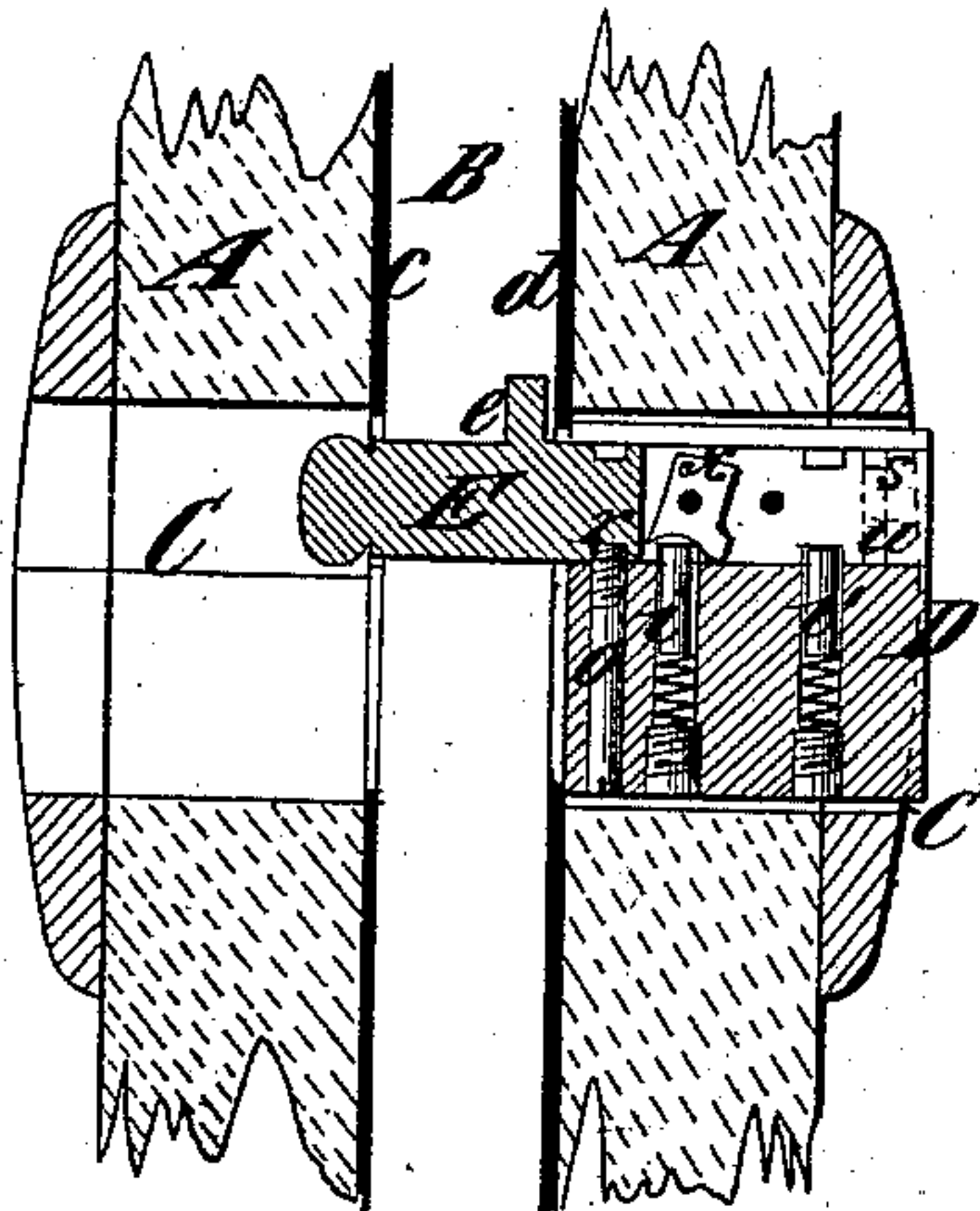
*Fig 1*



*Fig 2.*



*Fig 3.*



*Witnesses:*  
*Geo. Haynes*  
*Thomas E. Birch*

*Inventor.*  
*Frank Canis*  
*by his Attorney*  
*Rowland Brown*



# UNITED STATES PATENT OFFICE.

FRANZ CANIS, OF HAMBURG, GERMANY, ASSIGNOR TO WILLIAM COLSHORN,  
OF SAME PLACE.

## KEY-HOLE GUARD.

SPECIFICATION forming part of Letters Patent No. 223,836, dated January 27, 1880.

Application filed July 31, 1879.

*To all whom it may concern:*

Be it known that I, FRANZ CANIS, of Hamburg, in the Empire of Germany, have invented a new and Improved Key-Hole Protector, of which the following is a specification.

This invention relates to certain improvements in that class of key-hole protectors in which a metal plug or lock-piece resembling in shape the pin and bit of a common key may be inserted into the key-hole of locks and fastened to the cover-plate of the lock by means of a special key. By this means the key-hole is locked up and the lock rendered unpickable.

To open the lock the protector must be removed by means of the special key belonging to it, and then the lock can be opened by the key which fits it.

My invention consists, essentially, in the combination, with the body of a key-hole protector and its pin, slotted at one end to receive a key, of pins entering recesses in the side of the pin of the protector, a catch, and a key provided with a slanting portion, all of which will be fully hereinafter described.

In the accompanying drawings, Figure 1 represents a vertical section of a portion of a door, lock, and a key-hole protector in a position which will enable it to be withdrawn. Fig. 2 represents a face view of a portion of the door; and Fig. 3 represents a vertical section similar to Fig. 1, except that the protector is here represented in a locked position, or one which will prevent its withdrawal from the key-hole.

Similar letters of reference designate corresponding parts in all the figures.

A is the door; B, the lock, with the cover-plates *c* and *d*. C is the key-hole at both sides of the door. D is the body of the protector, similar in shape to the bit of a key. In the body D a pin, E, furnished with a projection, *e*, at its outer end, is placed, this pin having a slit or notch for the reception of the special key G.

In Fig. 3 the pin E has been turned by means of the key G, and the projection *e* placed behind the cover-plate *d* of lock B. From this closed position the protector can

only be removed after the projecting pin E has been turned sufficiently by means of the special key G (see Fig. 1) to allow the projection *e* to pass out through the key-hole C.

The special construction of this protector, as shown in the accompanying drawings, is as follows: The main pin E is furnished with two grooves, *r* and *s*, by means of which it is kept in position in the body D by the aid of a screw, *o*, and pin *p*. Two cylindrical pins, *i* and *i'*, are placed in holes in the body D, and are capable of moving in said holes. These pins are held by means of springs and screws, and are caused, as shown in Figs. 1 and 3, to enter holes or recesses in main pin E, and thereby prevent the said pin from turning, as shown in Fig. 3.

When the protector is to be removed the special key G is introduced into the slot of the main pin E. The end *f* of the special key G pushes against the edge of a small catch or anchor piece, *x*, turning upon a pin in the slot in the pin E, and an opposite edge of this anchor presses the first of the cylindrical pins, *i*, out of the corresponding recess of the main pin E. At the same time the second cylindrical pin, *i'*, is depressed from its corresponding recess by means of the slanting edge or incline *t* of the special key G. The main pin E is now allowed to turn, by means of the key G, into the position shown in Fig. 1, and in this position the protector can be drawn out of the key-hole by means of the said special key G, which is secured in or holds to the protector in this position by means of the second cylindrical pin, *i'*, which is enabled to catch in a slot or opening, *h*, of the special key G through the recess *u* of the main pin E, as shown in Figs. 1 and 3.

I would here observe that the essential and novel features of my invention consist in the arrangement of the pins *i* and *i'* and the catch in connection with the pin E, and such constitutes the difference between my invention and the ordinary key-hole protectors or guards.

In conclusion, it may be remarked that in fitting the protector to locks having different-shaped openings and fittings certain exterior and merely mechanical modifications or alterations of the apparatus may be necessary,

which may be readily effected by any ordinary workman acquainted with locksmiths' work.

What I claim as my invention, and desire to secure by Letters Patent, is—

- 5 The combination, with the body D of the key-hole protector and its pin E, slotted at one end to receive a key, of the pins *i i'*, entering recesses in the pin E, the catch *x*, and

key G, provided with the slanting portion *t*, substantially as and for the purposes described, and as illustrated in the accompanying drawings.

FRANZ CANIS.

Witnesses:

F. ENGEL,  
F. REINCKE.