

(No Model.)

2 Sheets—Sheet 1.

L. R. LECELLIER.
PROTECTOR FOR ELECTRIC OR OTHER BELLS.

No. 518,613.

Patented Apr. 24, 1894.

FIG. 3.

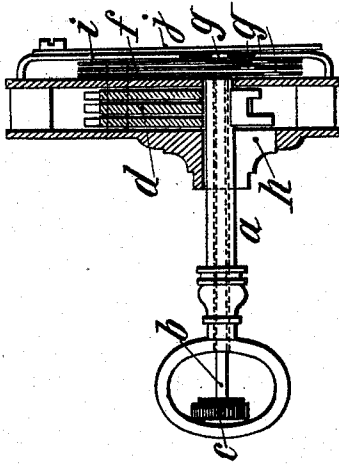


FIG. 1.

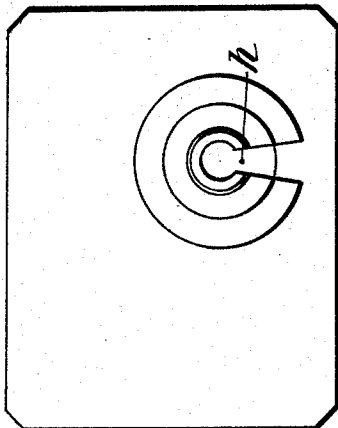


FIG. 6.

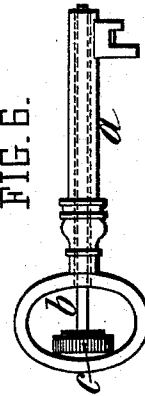
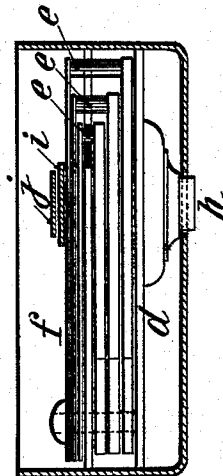


FIG. 2.



Witnesses:
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FIG. 5.

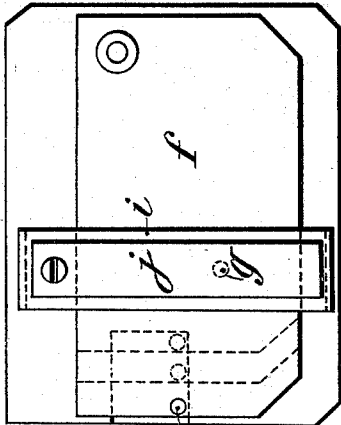


FIG. 4.

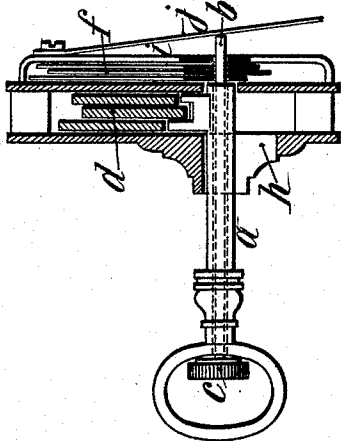
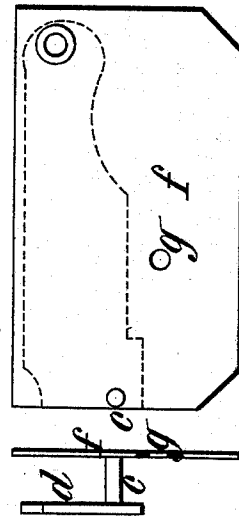


FIG. 7.



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UNITED STATES PATENT OFFICE.

LEON RAPHAEL LECELLIER, OF VILLEDIEU, FRANCE.

PROTECTOR FOR ELECTRIC OR OTHER BELLS.

SPECIFICATION forming part of Letters Patent No. 518,613, dated April 24, 1894.

Application filed July 31, 1893. Serial No. 481,970. (No model.) Patented in France April 7, 1891, No. 212,612.

To all whom it may concern:

Be it known that I, LEON RAPHAEL LECELLIER, of the city of Villedieu, Manche, France, have invented a Protector for Electric or other Bells, (for which I have obtained Letters Patent in France for fifteen years, dated April 7, 1891, No. 212,612,) of which the following is a full, clear, and exact description.

My invention relates to a device specially designed for application to an electric or other entrance bell whereby to prevent within certain hours of the night the ringing of the bell by any person other than a tenant of the house or flat. This device is preferably made portable and is adapted to be secured in any well known manner to ordinary bell operating mechanism.

The invention comprises a key having a push pin which is free to slide through the barrel of the key and which after the key bit has lifted the tumblers of the device may be caused to pass through holes in a supplementary series of tumblers and thereupon to act upon any ordinary push button for closing an electric circuit or operating a pneumatic or other bell for example.

My invention is illustrated in the accompanying drawings forming part of this specification Figure 1 of which represents an outside face view of my protector for electric and other bells. Fig. 2 is a horizontal section showing the connection between the ordinary and supplementary tumblers. Fig. 3 is a transverse vertical section of the protector with the key inserted therein, and Fig. 4 is a similar view showing the key turned half round. Fig. 5 is a back view of the protector. Fig. 6 is a separate view of the key. Fig. 7 shows a face and edge view of one of the supplementary tumblers.

In the tubular barrel *a* of the key is a push pin *b* which is free to slide and is provided with a knob *c* which works within the bow of the key. A small spring may be inserted between the button and the bow of the key for drawing back the push pin within the barrel.

The protector is used in connection with the key above described and comprises a set of tumblers *d*, similar to those used in ordinary locks to each of which is riveted by means of a pin *e*, one of a series of additional tumblers *f* preferably made of steel and each provided with a hole *g* adapted to give passage to the push pin *b* of the key, when the holes are brought into line by the action of the key bit on the tumblers *d*. In rear of said tumblers on the back of the lock casing is fixed a bridge piece *i* through a hole in which the pin *b* also passes so as to press on a contact spring *j* secured to the bridge piece so as on being pushed inward to abut against the push button or other means for operating the bell or alarm.

Although the arrangement described is more especially intended for electric bells it may be applied to an ordinary bell-pull by modifying the part upon which the push pin acts, and I do not wish to limit myself to the exact arrangement and form of tumblers or lock mechanism shown, since any ordinary arrangement may be used.

I claim—

The combination with an electric or other bell operating device, of a protector provided with an auxiliary set of perforated tumblers connected to the key operated tumblers and of a key having a push pin fitted in its barrel and adapted to slide through the apertures in the auxiliary tumblers when the latter are brought to position by the action of the key, and to act on the bell operating device as specified.

The foregoing specification of my protector for electric and other bells signed by me this 15th day of July, 1893.

LEON RAPHAEL LECELLIER.

Witnesses:

ROBT. M. HOOPER,
ALBERT MOREAU.