

No. 674,315.

Patented May 14, 1901.

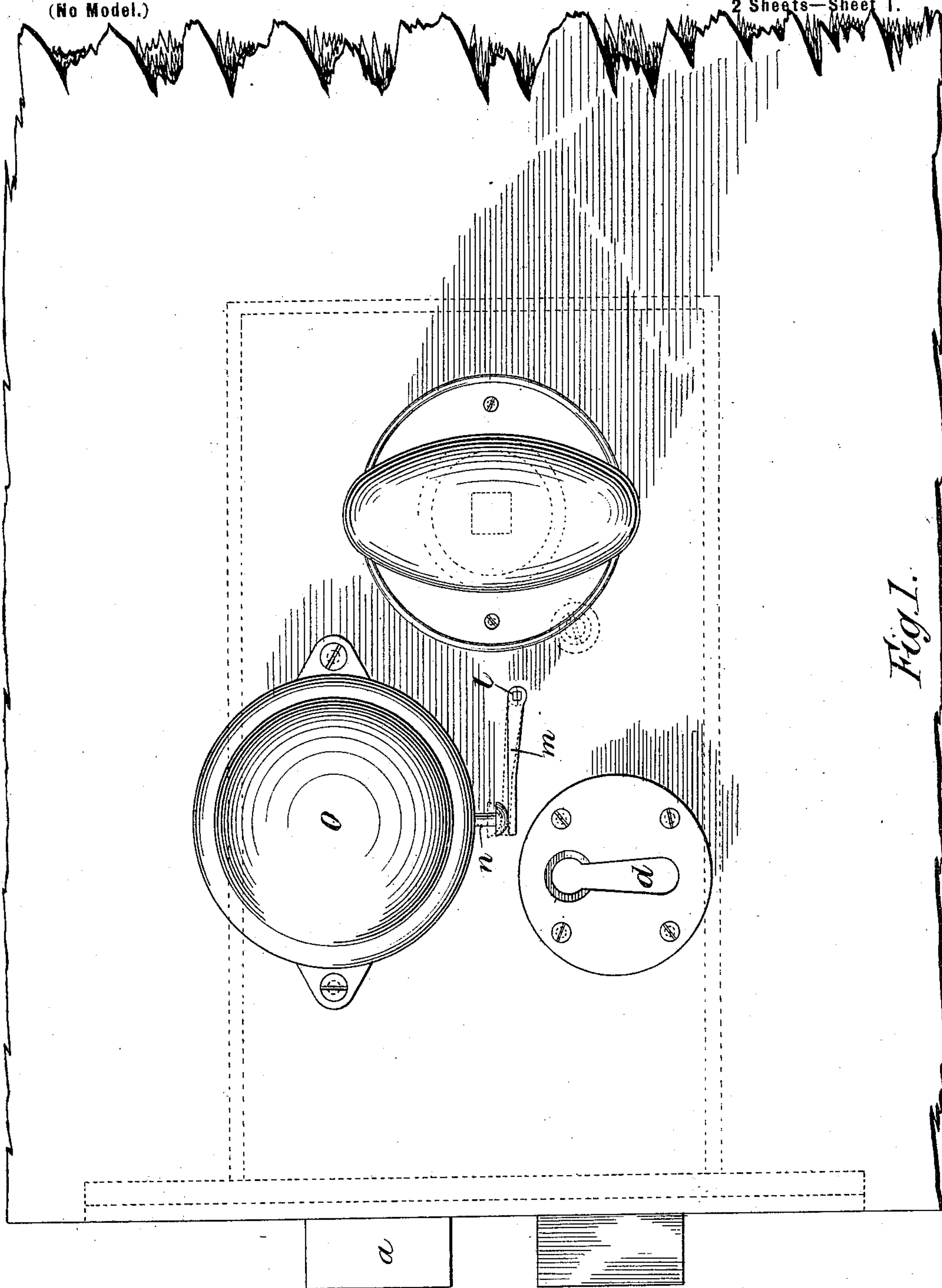
H. MOLLENHAUER.

LOCK.

(Application filed July 2, 1900.)

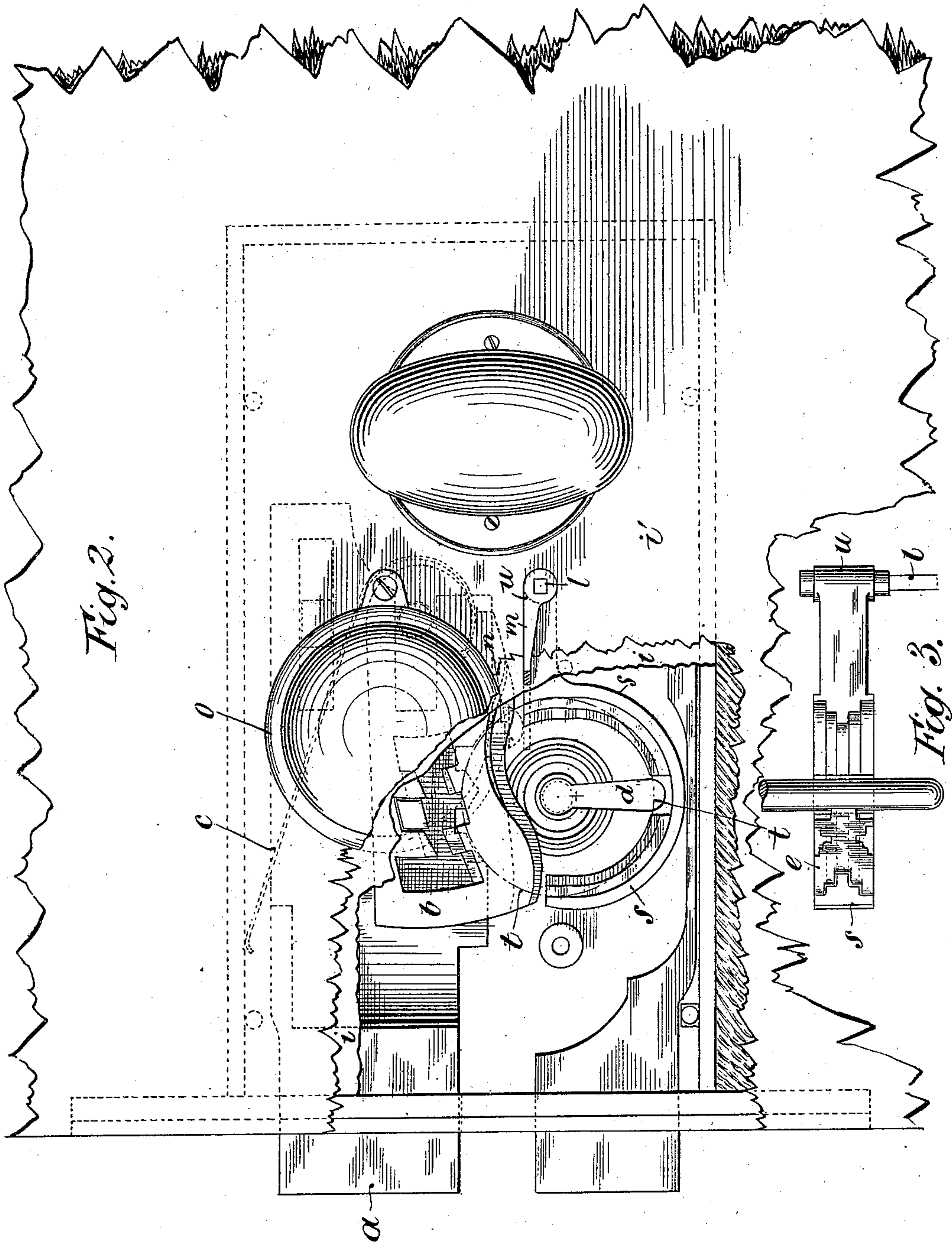
(No Model.)

2 Sheets—Sheet 1.



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Inventor:  
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# UNITED STATES PATENT OFFICE.

HANS MOLLENHAUER, OF BERLIN, GERMANY.

## LOCK.

SPECIFICATION forming part of Letters Patent No. 674,315, dated May 14, 1901.

Application filed July 2, 1900. Serial No. 22,374. (No model.)

*To all whom it may concern:*

Be it known that I, HANS MOLLENHAUER, of Zwinglichstrasse 22, Berlin, Germany, have invented certain new and useful Improvements in Locks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

10 The present invention relates to improvements in locks and latches; and the object of it is to provide an improved device applicable to any lock or latch already made or hereafter to be made and which device shall audibly announce the insertion and use or attempted use of a false key or pick to open the same.

Referring to the accompanying drawings, which are to be taken as part of this specification and read therewith, Figure 1 is an elevation of the inside of a door having a mortise-lock fitted with the improved safety device; Fig. 2, a similar view after parts of the door and of the inside side plate have been broken away, and Fig. 3 an elevation of the web of the proper key and of the improved safety device.

*a* is a lock-bolt; *b*, its levers; *c*, their springs; *d*, the keyhole, and *e* the web of the proper key.

30 The improved safety device consists of a ring *s*, standing nearly around the keyhole *d*, but eccentric to the path of the proper key, as shown in Fig. 2, in which the said path is indicated by the dot-and-dash line *t*. The ring *s* is fast to one end of a bar *u*, the opposite end of which is fast to a rod *l*. This latter stands at a right angle with the bar *u*, turns in bearings in the side plates *i i'*, and

projects through the plate *i'* and the door. *m* is an arm fast by one end on the projecting end of the rod *l* at about a right angle therewith. 40

*n* is a stud depending from an alarm *o* as far as the outer end of the arm *m*. This stud *n* is in operative connection with the alarm-trigger to release the same by being pressed upward, as indicated by the dotted lines in Fig. 1. 45

Fig. 3 shows the use of the proper key which moves through its path without its nose touching the inner face of the ring *s*; but a false key or a pick-lock would engage with that face and rock the bar *u*, thereby turning the bar *l* and the arm *m* to sound the alarm *o*. 55

I claim—

The combination with the bolt of a lock or of a latch actuated by a key, of a ring standing within the case of the said lock or latch and nearly surrounding the keyhole but eccentric to the path of the proper key; a rod pivoted to turn in bearings in the side plates of the said case; a bar within the said case fast to the said ring and also the said rod; an arm outside the said case and fast to the said rod; an alarm likewise outside the said case and a stud connected with the trigger of the said alarm and in touch with the free end of the said arm. 65

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses. 70

HANS MOLLENHAUER.

Witnesses:

WOLDEMAR HAUPT,  
HENRY HASPER.