O. CLARK & J. CHAPMAN.

ALARM LOCK FOR DOORS.

APPLICATION FILED FEB. 29, 1912.

1,068,738.

Patented July 29, 1913.

Fig. 1.

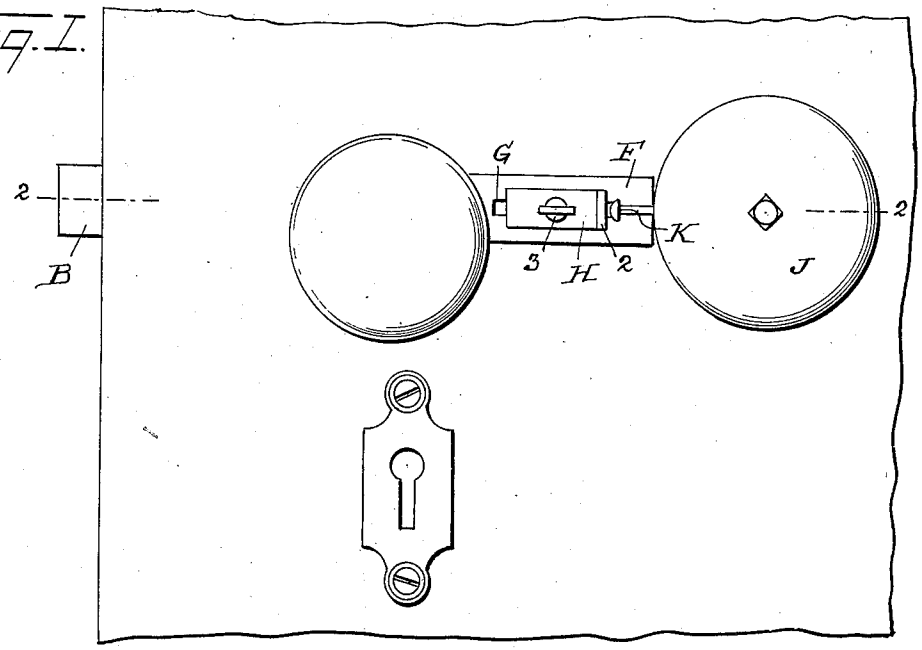
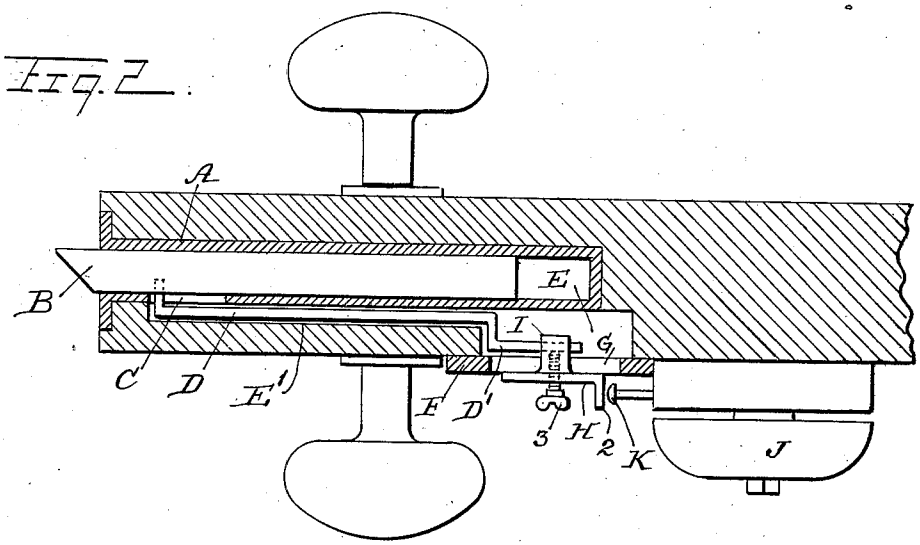


Fig. 2.



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ALARM-LOCK FOR DOORS.

1,068,738. Specification of Letters Patent. Patented July 29, 1913.

Application filed February 29, 1912. Serial No. 680,773.

To all whom it may concern:

Be it known that we, OSCAR CLARK and JAMES CHAPMAN, citizens of the United States, residing at Binghamton, in the county of Broome and State of New York, have invented certain new and useful Improvements in Alarm-Locks for Doors, of which the following is a specification.

Our invention relates to alarm locks for doors, in which an adjustable alarm is combined with the ordinary bolt of a door lock so that an alarm sound is produced on the turning of the door knob when in adjustment, but when out of adjustment the device is silent.

It has for its object to furnish an improved device which may be combined with any door lock or door bolt as an alarm attachment, and which is simple in construction and reliable in use.

With this object in view, our invention consists in certain novel features of construction and arrangement of parts as are hereinafter more fully described.

Figure 1 is a side view of our device as it appears when in operation on a door and Fig. 2 is a sectional plan view taken generally on the line 2 2 of Fig. 1.

The same reference characters denote like parts in the several figures of the drawings.

In carrying out our invention, we provide a mortise lock, A, having the ordinary bolt B. In the face of the lock A, we provide the slot C. In bolt B we insert the sliding wire or rod D, having the shoulder or off set portion, D′. In the door structure and over the face of the lock A, we provide a channel E, through which operates the wire D. In the door is also formed the slot E′, and into this slot the main portion of the wire D enters. Over the channel E and on the face of the door is mounted the slotted plate F, and in the face of plate F is a slot G. On the plate F is movably mounted a plate H, having at one end the lug 2. On the inside of plate H is the perforated head, I, and through which extends the wire D. Tapped into the head, I, is the set screw 3 which binds on the wire D. On the face of the door we mount any ordinary spring bell, J, having a push button K. In operation when the door knob is turned the bolt B being moved backward moves the wire D and this in turn moves plate H, which in turn contacts with the button K and causes the bell to ring. When it is desired to put the bell out of action, the binding screw 3 is loosened and the plate H moved back on wire D until it is out of possible contact with the bell button K, when the wire is moved and thus the wire can move back and forth following the movement of the bolt without causing the bell to ring. When it is desired to put the bell in action, the binding screw 3 is loosened, the plate H moved forward, and the screw tightened down holding the plate in firm connection with the movable wire D.

We claim—

In an alarm lock for doors a mortise lock having a sliding bolt, and provided with a slot in one of its sides, a rod arranged with one end passing through said slot and operated by said bolt and with its other end extending into a slot in said door, a contact member adjustably mounted on the other end of said rod and extending to the outside of said door, and a push bell on said door arranged to be rung by said contact member, whereby the bell is rung when the bolt is withdrawn, and the door opened, substantially as described.

In testimony whereof we have affixed our signatures, in presence of two witnesses.

OSCAR CLARK.
JAMES CHAPMAN.

Witnesses:
S. A. VALENTINE,
A. L. MOODY.