

(No Model.)

J. H. & T. D. MORRIS.

LOCK STRIKE.

No. 380,266.

Patented Mar. 27, 1888.

Fig. 1.

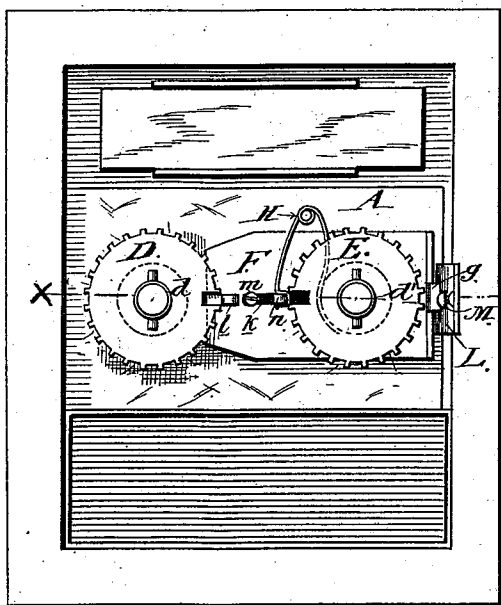
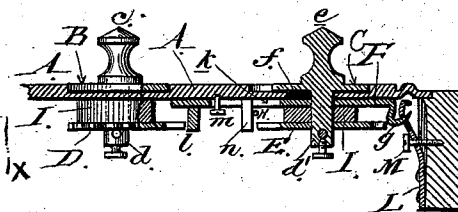


Fig. 2.



WITNESSES

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LOCK-STRIKE.

SPECIFICATION forming part of Letters Patent No. 380,266, dated March 27, 1888.

Application filed October 17, 1887. Serial No. 252,516. (No model.)

To all whom it may concern:

Be it known that we, JOHN H. MORRIS and THOMAS D. MORRIS, citizens of the United States, residing at Seward, in the county of Seward and State of Nebraska, have invented certain new and useful Improvements in Lock-Strikes, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a rear view of the device embodying our invention. Fig. 2 is a sectional view on the line X X of Fig. 1.

Our invention relates to lock-strikes; and it consists in the constructions and combinations of devices, which we shall hereinafter fully describe and claim.

To enable others skilled in the art to make and use our invention, we will now describe its construction and indicate the manner in which the same is carried out.

In the said drawings, A represents a face-plate having countersunk portions *a* and *b*, in which the dials B and C are seated.

The dial B is fixed to a spindle, *d*, having an operating-knob, *e*, on the outside, while its inner end carries a notched and slotted disk, D, whereby said disk is moved by the turning of the dial.

The dial C is similar in construction to the dial B, and its spindle *d'* carries a knob, *e*, and notched and slotted disk E; but the countersunk seat *b* for the dial C is elongated and the face-plate is slotted at *f* to permit the said dial and its adjuncts to have a longitudinal movement from end to end of its countersunk seat, for a purpose we shall hereinafter fully disclose.

The bolt F is rigidly fixed to the spindle *d'*, so that when the dial C is moved longitudinally in its seat it carries with it the bolt and withdraws the catch *g* on its forward end from engagement with the catch on the door-casing. The sliding bolt is slotted at *h*, and carries at its inner end a lug, *l*, adapted for engagement with the slot in the disk D, and the face-plate is provided with two fixed lugs, *m* and *n*, both of which project through the slot in the sliding bolt, the former lug, *m*, guiding the movements of said bolt, while the other lug, *n*, is

adapted to enter the slot in the disk E when the slot is in alignment with said lug and the bolt retracted. A spring, H, having one end bearing against the fixed lug *n*, has its opposite end seated against one of the washers I which hold the slotted disks away from the face-plate, and projects the bolt forward when the pressure against the operating-knob *e* is removed.

The catch L consists of a spring-plate secured at one end to the door-frame, while its opposite end is free, bent outward, and slotted, to be engaged by the catch *g* on the forward end of the sliding bolt. An adjusting-screw, M, passes through the spring-plate into the door-casing, and when turned adjusts the free end of the said plate to permit the catch *g* to always engage said plate and lock the door without necessitating the aligning of the slots in the disks with the lugs *l* and *n* and the retraction of the bolt.

In operating our lock turn the dials until the proper characters of the combination register with a predetermined fixed point on the face-plate, then move the dial C along its seat, so that the slots in the disks D and E will register with and receive the lugs *l* and *n* on the sliding bolt and face-plate, respectively. As the sliding bolt is retracted, its catch *g* disengages itself from the spring-plate L and permits the opening of the door.

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

The combination, with a lock having a sliding bolt, of a spring-plate on the door-casing engaging the forward end of said bolt, and a screw or bolt for adjusting said plate, substantially as described.

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