(No Model.)

H. C. JOERDEN.

COMBINED LOCK AND ALARM.

No. 304,203. Patented Aug. 26, 1884.

Fig. 1.

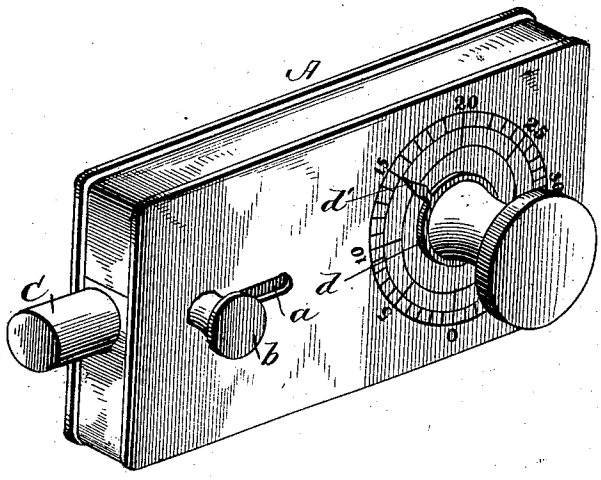


Fig. 2.

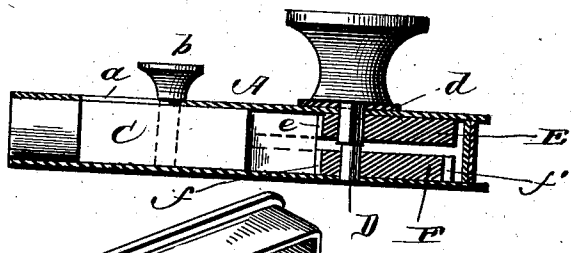
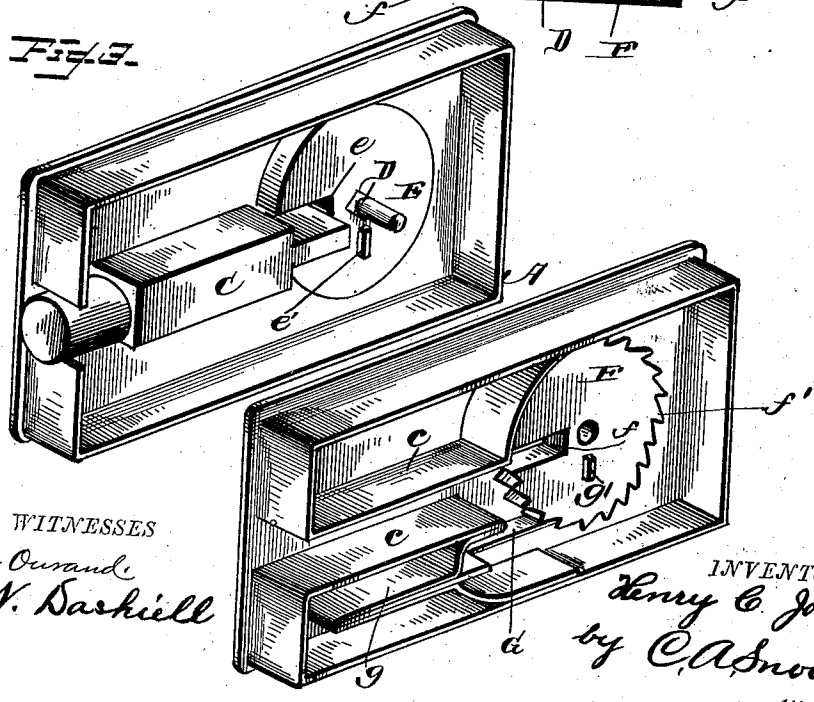


Fig. 3.



WITNESSES

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HENRY CHRISOSTIMUS JOERDEN, OF KANSAS CITY, MISSOURI.

COMBINED LOCK AND ALARM.

SPECIFICATION forming part of Letters Patent No. 304,203, dated August 26, 1884.

Application filed February 14, 1884. (No model.)

To all whom it may concern:

Be it known that I, HENRY C. JOERDEN, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented a new and useful Combined Sash-Lock and Burglar-Alarm, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to an improved lock designed to be used more particularly upon the sashes of windows, and has for its object to provide a firm and secure fastening for a window, and, further, to serve as an alarm should an attempt be made to open the same.

The invention consists in the improved construction and combinations of parts hereinafter fully described, and pointed out in the claim.

In the drawings, Figure 1 is a perspective view of a sash-lock constructed in accordance with my invention. Fig. 2 is a longitudinal section of the same. Fig. 3 is a perspective view of parts detached.

In the accompanying drawings, in which like letters refer to corresponding parts throughout the several figures, A represents the box or casing for containing the mechanism. Upon the upper side of this casing, and near the front end thereof, is formed a longitudinal slot, *a*, through which projects a headed pin, *b*, which is secured at its other end to a sliding bolt, C. The casing *a* A is provided on its front edge with a slot or opening for the passage of said bolt C, which is held in position and against lateral movement by vertical strips *c*, secured in said casing, which form guides for the same to slide in. Upon the rear end of this casing is provided a disk having thereon a series of figures or letters.

D represents a spindle, which passes through an opening formed in the casing at the center of the disk. Upon this spindle is mounted a plate, *d*, having an indicator, *d'*. Upon the spindle, below the top of the casing A, is rigidly mounted a disk, E, which is provided with a slot or opening, *e*, and a downwardly-projecting lug, *e'*. Upon the lower end of this spindle is loosely mounted another disk, F, provided with a slot, *f*, and a series of teeth, *f'*, which are adapted to engage with a stiff spring, G, secured in a bracket, *g*, to the bottom of the casing. This disk is also provided with an upwardly-projecting lug, *g'*, which, when the disks are in a normal position—that is, having their slots registering—occupy a position directly opposite each other—that is, one lug is on one side, while the other lug is directly opposite on the other side of the spindle. Therefore, in operation, the bolt is first pushed into the slot or opening in the window-casing, and the upper disk turned to the right until the lug on its under side engages with the lug of the lower disk, and upon it being turned farther revolves the lower disk, and thus locks the lock-bolt, preventing it from being drawn back. To unlock the device, the turning is continued to the right until the mark 15 is reached, which brings the slot in the lower disk in a line with the bolt. The spindle is then turned to the left to bring the lug directly opposite the lug of the lower disk, which is 37, thus causing the slots to register and allow the bolt to be pushed back. The combination may be changed by simply turning the hand upon the shaft to a different number; but the numbers must always have a difference of seventeen—that is, if the indicator is placed at 5, the other number would be 22.

It will, however, be seen that, should it be attempted to unlock this device at night by a party trying to gain entrance to the house, the teeth upon the lower disk, engaging with the spring, which is made very stiff, would create sufficient noise to alarm the occupants; but in the event it did not awaken them it would be impossible for the lock to be opened by one unacquainted with the combination. It will also be seen that its construction is simple, and that it affords a firm and secure fastening. It will be further obvious that the improvements may be applied to doors, boxes, &c., and, if desired, the teeth upon the lower disk and the spring may be dispensed with when it is used upon doors or boxes.

In order to distinguish more clearly the scope of my invention, I would have it un-

derstood that I do not claim, broadly, the combination, with a spindle mounted to turn in a suitable casing, of disks provided with slots and inwardly-projecting lugs; but,

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a combined sash-fastener and burglar-alarm, the combination, with a suitable casing and a spindle adapted to turn therein, of two disks provided with slots and inwardly-projecting lugs, a bolt mounted in said casing and adapted to engage with said slots when registering with one another, the lower of the said disks being provided with a circumferential series of teeth, and a spring secured in said casing and adapted to engage the teeth of said disk, substantially as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

HENRY CHRISOSTIMUS JOERDEN.

Witnesses:

W. G. SHAFER,

CHAS. WILSON.