

T. McC. SEATON.
COMBINATION LOCK.

No. 178,964.

Patented June 20, 1876.

Fig. 1

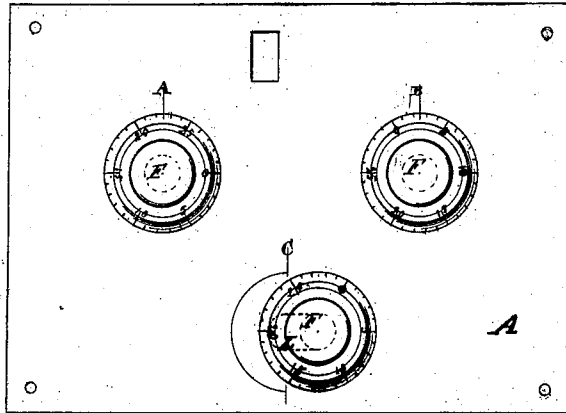


Fig. 2

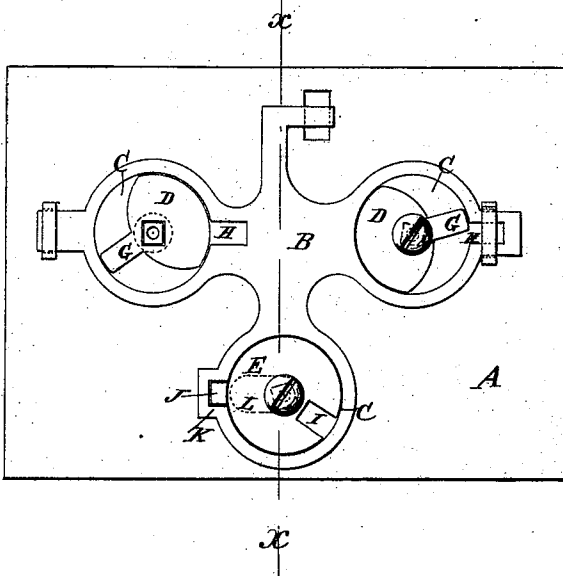
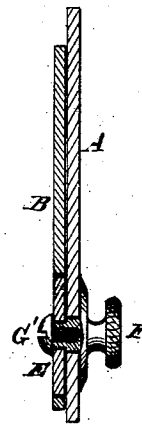


Fig. 3



WITNESSES:

H. W. Almqvist
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INVENTOR:

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BY

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UNITED STATES PATENT OFFICE.

THOMAS McCLANAHAN SEATON, OF PARSONS, KANSAS, ASSIGNOR TO
HIMSELF AND JOHN ADAMS, OF SAME PLACE.

IMPROVEMENT IN COMBINATION-LOCKS.

Specification forming part of Letters Patent No. **178,964**, dated June 20, 1876; application filed
February 21, 1876.

To all whom it may concern:

Be it known that I, THOMAS MCC. SEATON, of Parsons, Labette county, Kansas, have invented a new and Improved Combination-Lock, of which the following is a specification:

The invention consists in making the tumblers of a lock with points that work in slot of bolt, and causing the disk-knob to slide in a slot of the plate.

Figure 1 is a front elevation of my improved lock. Fig. 2 is an elevation of the inside of the front plate and the bolt, and Fig. 3 is a section of Fig. 2 on line *x x*.

Similar letters of reference indicate corresponding parts.

A is the plate of the lock; B, the bolt; C, the circular opening in which the tumblers D and E work, said tumblers being attached to a knob-spindle, F, for each one. The tumblers D are constructed at one side of the joint to correspond with the circumference of the circular opening C, and on the opposite side have a tongue or projection, G, corresponding to a notch, H, in the bolt. Tumbler E is a disk exactly fitting the circular opening C, and having a notch, I, corresponding to the stud J, projecting from the lock-plate,

and the bolt has a notch, K, for said stud. The projections G must be set to coincide with the notches H, and notch I with stud J, to allow the bolt to slide. The knob of disk E slides a slot, L, (dotted,) of plate A to throw the bolt. The dials connected to the knobs show how to set the knobs, and by shifting the tumblers on the spindles of the dials the combination may be changed. They are shifted by removing screws G' and turning them. The lock can be used for safes, trunks, doors, or padlocks.

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

The combination, with plate A, having stud J and slot L, of the bolt B, having circular openings C and notches H and K, the knob-spindle F, having tumblers D D E working in said openings, the tumblers D being provided with projections G, and the tumbler E with notch I, all constructed and arranged substantially as and for the purpose specified.

THOMAS McCLANAHAN SEATON.

Witnesses:

M. L. TROTTER,
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