

E. STOCKWELL.
TIME LOCK.

No. 173,366.

Patented Feb. 8, 1876.

FIG I

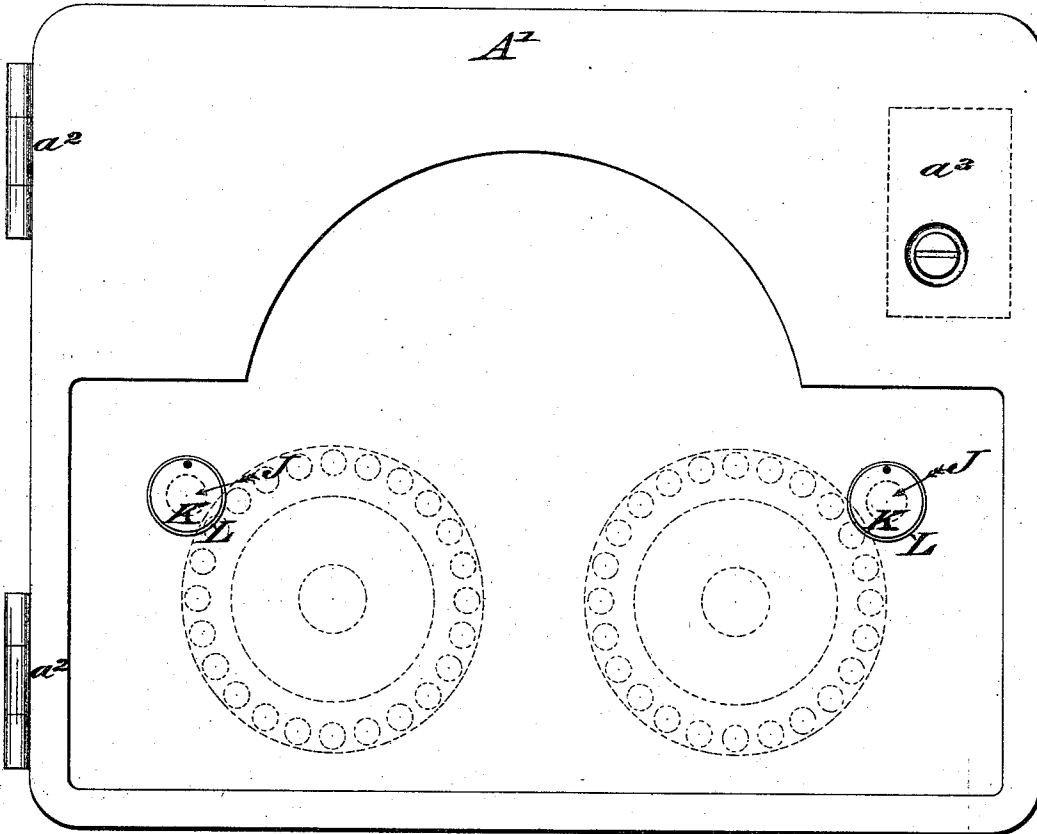
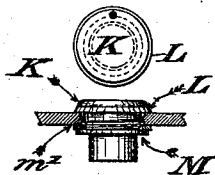


FIG II



WITNESSES:

John H. Lewis,
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INVENTOR:

Emory Stockwell

UNITED STATES PATENT OFFICE.

EMORY STOCKWELL, OF STAMFORD, CONNECTICUT, ASSIGNOR TO THE
YALE LOCK-MANUFACTURING COMPANY, OF SAME PLACE.

IMPROVEMENT IN TIME-LOCKS.

Specification forming part of Letters Patent No. **173,366**, dated February 8, 1876; application filed
December 9, 1875.

To all whom it may concern:

Be it known that I, EMORY STOCKWELL, of Stamford, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Chronometric 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 pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to the improved construction of lock-case hereinafter described, whereby separate means of access are provided, respectively, to the adjusting devices and to the winding mechanism.

Heretofore time-locks have been constructed or arranged so as to allow the person who performs the winding of the clocks free access also to the adjusting devices, by which the hours of locking or unlocking are regulated and controlled. This construction involves a source of insecurity in affording to the said person charged with the duty of winding, facilities for the accidental or fraudulent alteration of the adjusting device.

My invention obviates this source of insecurity by isolating the adjusting devices from the winding devices, and by excluding from the adjusting devices the person who winds the clocks, except when he is allowed the use of the key to the supplemental lock by which the adjusting devices are secured.

This separation of the adjusting devices from the winding devices, and the isolation and special guarding of the adjusting devices from unauthorized interference, is obtained by my invention in the following manner.

Figure 1 represents, in elevation, the cover or face A' of a chronometric lock.

The cover A' is hinged at a^2 to the case, and is secured by a supplementary lock, a^3 , and is provided with apertures J J, (shown by dotted circles over the winding-posts,) through which apertures the clocks may be wound. In each of the winding-apertures J J I place a bush or eyelet, L, provided with a swinging or pivoted cover, K. The bush forms a guide to the key or winding-instrument, and the attached cover K prevents the permanent exposure of the time mechanism, and the entrance thereto of dust.

One of the said covered bushes is shown separately in Fig. 2, with an internally-threaded nut or ring, M, for securing it in the lock-case, or it may be otherwise secured therein in any convenient manner, and the cover K may be hinged to the bush, or made to slide, or to act as a movable plug or stopper.

When the cover A' or part of the lock-case carrying the bushes is made of glass, I adjust the bushes therein, with safety to the glass, by interposing a washer of india-rubber or other sufficiently elastic material, *m*.

The portion of the hinged cover A' provided with the winding-apertures J J may, when required, form a fixed part of the lock-case, or it may be hinged independently thereto, with the like result of isolating the adjusting devices from the winding devices, and of excluding the person who winds the clocks.

In the chronometric-lock case thus constructed and arranged according to my invention, the adjusting mechanism by which the hours of locking or of unlocking are regulated and controlled is specially and peculiarly protected in the manner described, by which improvements an additional element of security is introduced in chronometric locks, and their usefulness and efficiency thereby increased.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In combination with the case of a chronometric lock, having a lid or door for covering the devices which control the hours of locking and unlocking, one or more winding devices, whereby, the lock being attached to the safe-door, the time mechanism can be wound from the exterior of the case while the safe-door is open, but is inaccessible when said door is closed.

2. In a chronometric lock, the combination of the lock-case with a movable lid or door, A', the apertures J J, and the covered bushes L L, as and for the purposes specified.

3. In a chronometric lock, the combination of the lock-case with a movable lid or door, A', the apertures J J, the covered bushes L L, and the elastic cushions or washers *m'*, as and for the purposes specified.

EMORY STOCKWELL.

Witnesses:

JOHN HEINS,
WARREN H. TAYLOR.

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