W. J. SCHILLING.

Locks.

No. 150,437. Patented May 5, 1874.

FIG. 1.

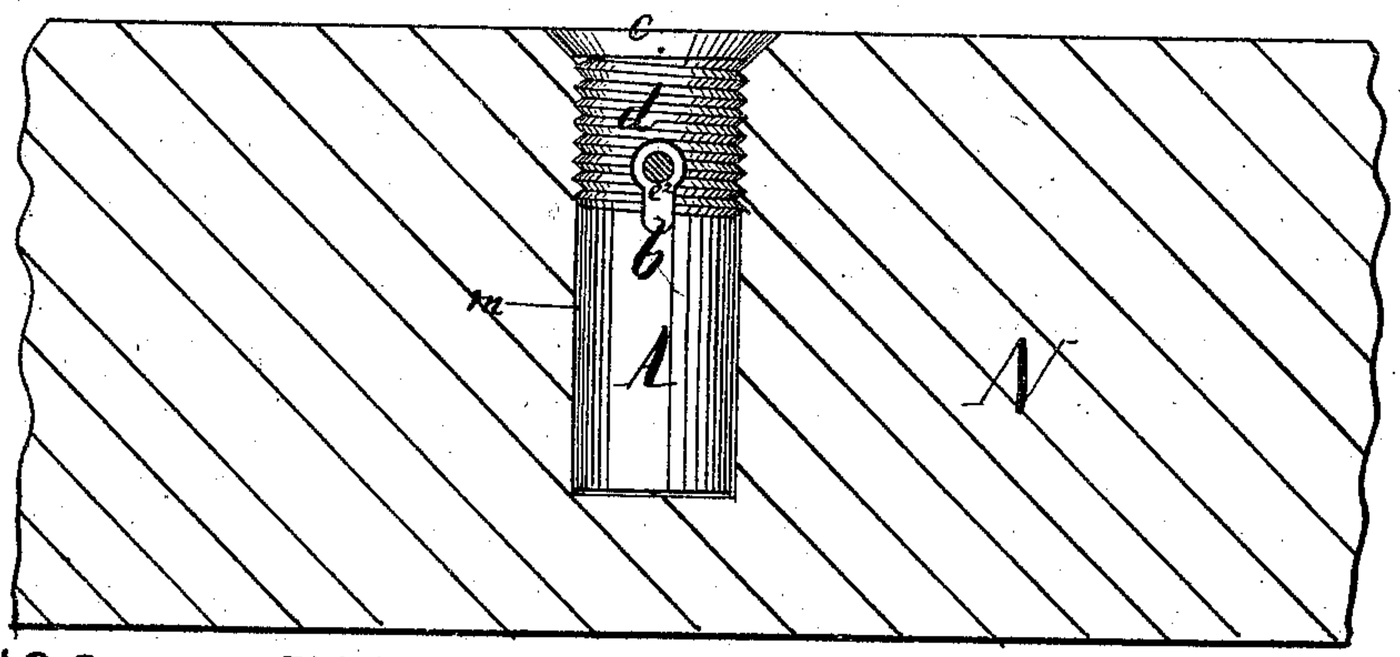


FIG. 8.

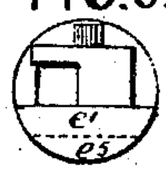


FIG. 7.

FIG. 6.

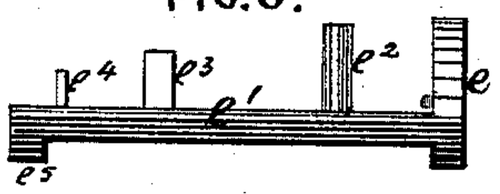


FIG. 2.

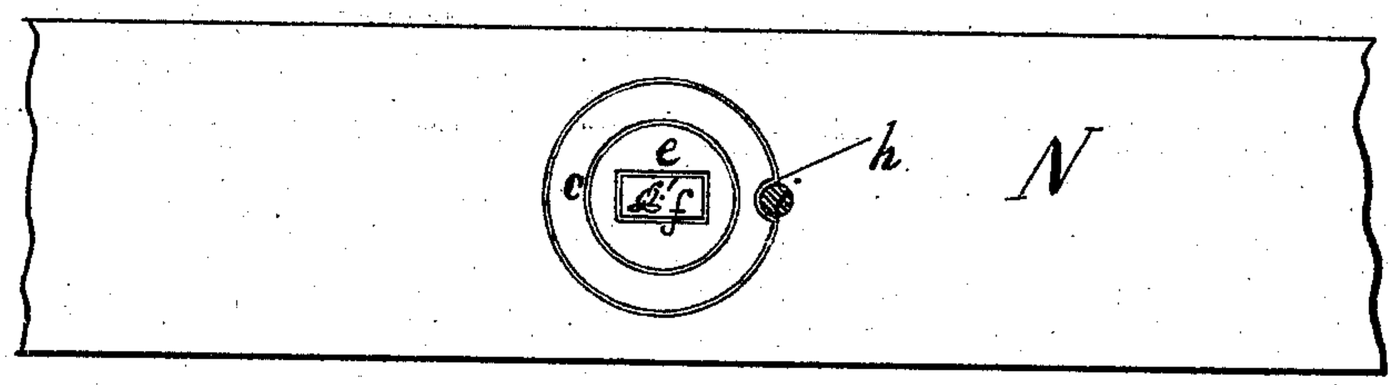


FIG. 4.

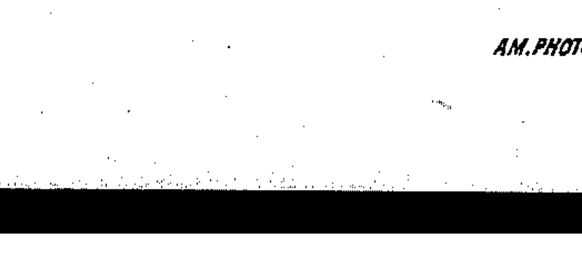


FIG. 3.

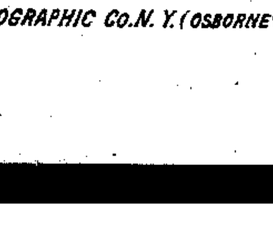
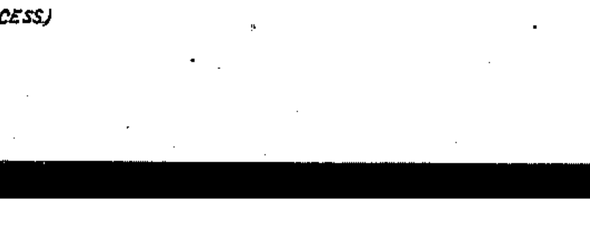


FIG. 5.



WITNESSES:

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per Henry Gerner,

Atty.

UNITED STATES PATENT OFFICE.

WILLIAM J. SCHILLING, OF BROOKLYN, NEW YORK, ASSIGNOR OF ONE-HALF HIS RIGHT TO SYLVANUS LYON, OF SPRINGFIELD, NEW JERSEY.

IMPROVEMENT IN LOCKS.

Specification forming part of Letters Patent No. **150,437**, dated May 5, 1874; application filed January 30, 1874.

To all whom it may concern:

Be it known that I, WILLIAM JOSEPH SCHILLING, of the city of Brooklyn, county of Kings, State of New York, have invented certain Improvements in Locks, of which the following is a specification:

My invention relates to improvements in the construction of the casing and bed-plate of that class of locks in which a circular metallic cylinder is employed to contain the lock mechanism, and which is retained in position in a drawer, door, or other device by means of a screw-thread formed on the exterior of such casing.

According to my invention, I employ a metallic cylinder having screw-retaining threads formed on its periphery, and a projecting rim provided with a notch or recess for the reception of a retaining screw or pin. The face-plate of the lock is formed circular, and is provided with a hole for the passage of the head of the bolt, which is supported upon a bed-plate extending from the rear of the face-plate. To this bed-plate the key-pin and the bolt-guides are attached. An extension is also formed on the under side of the rear end of the bed-plate, by means of which and a screw passing through the rear end of the casing the bed and face plates and the lock mechanism are retained in position. But that my invention may be fully understood, I will describe the same in detail by aid of the accompanying drawings.

Figure 1 represents a sectional view of a portion of a drawer with a lock constructed according to my invention inserted therein. Fig. 2 represents a plan view of the same. Fig. 3 is an end view, and Figs. 4 and 5 sections of the lock separately. Fig. 6 is a side view, and Figs. 7 and 8 opposite end views of the face and bed plates, and parts connected therewith, detached from the case.

A represents the external cylinder or case, in which the lock mechanism is placed, having screw-threads *d* formed on its periphery, and a projecting rim, *c*, provided with a notch or recess, *h*, for the reception of a retaining screw or pin, *i*, which is driven into the wood, thereby preventing the lock-case from turning in the event of the expansion of the wood-work or from other causes. The face-plate *e* is formed circular, and is provided with a hole, *f*, for the passage of the head *g'* of the bolt *g*. The bolt *g* is supported upon a bed-plate, e^1, connected to and extending from the rear of the face-plate *e*. To this bed-plate e^1 the key-pin e^2 and the bolt-guides e^3 e^4 are attached. A semicircular extension, e^5, is formed on the under side of the rear end of the bed-plate *e*, by means of which and a screw, e^6, passing through the rear end of the casing A, the bed-plate e^1 and face-plate *e*, as well as the lock mechanism, are retained in position. *b* represents the key-hole.

By this arrangement of the various parts I am enabled to produce a very cheap and useful lock, which can be readily fitted in position by simply boring a circular hole, *m*, of the proper diameter, by means of a center-bit, in the front N of a drawer or other device; and if at any time the internal mechanism becomes deranged or damaged, it is simply necessary to remove the lock, and by withdrawing the screw or pin e^6 the face and bed plates $e\,e^1$ and the whole of the internal mechanism can be withdrawn from the casing A and repaired.

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

The combination, with a tubular lock-case, A, provided with screw-threads *d*, and a projecting rim, *c*, having a recess, *h*, formed therein for the reception of a retaining-screw, of the face-plate *e*, bed-plate e^1, extension e^5, and screw or pin e^6, all constructed and operating substantially as shown and described.

WILLIAM JOSEPH SCHILLING.

Witnesses:

GEO. J. SCHILLING,

ANTON C. CRONDAL.