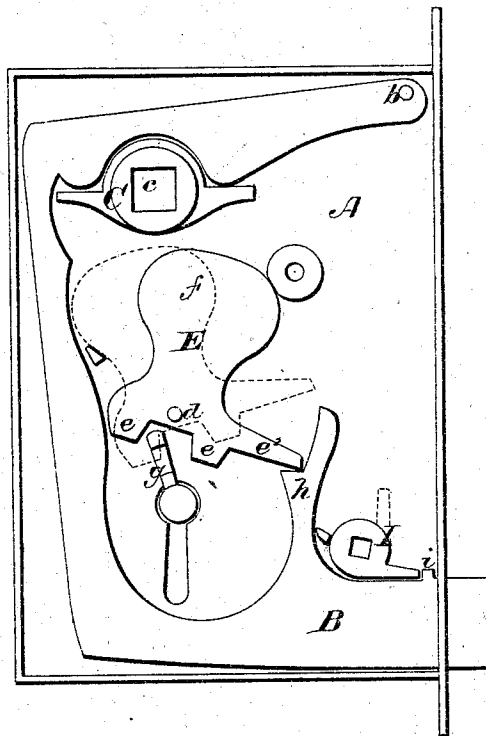


A. J. HOLLEMBACK.

Combined Latches and Locks.

No. 136,723.

Patented March 11, 1873.



Witnesses.
C. F. Brown,
M. Church

Inventor.
A. J. Hollemback,
By his Attys.
Hill & Allenworth.

UNITED STATES PATENT OFFICE.

ANDREW J. HOLLEMBACK, OF NORTH BANGOR, NEW YORK.

IMPROVEMENT IN COMBINED LATCHES AND LOCKS.

Specification forming part of Letters Patent No. 136,723, dated March 11, 1873.

To all whom it may concern:

Be it known that I, ANDREW J. HOLLEMBACK, of North Bangor, in the county of Franklin and State of New York, have invented a new and Improved Latch and Lock; and I do hereby declare the following to be a full and exact description of the same, reference being had to the accompanying drawing forming part of this specification, in which my invention is represented by an elevation, the front plate having been removed.

Similar letters of reference in the accompanying drawing denote the same parts.

This invention relates to that class of locks and latches designed to be used on doors, gates, &c., which always remain in an upright position; and the object of the invention is to provide for the public a combined lock and latch of that class which shall be less complicated in construction and more easy and noiseless in operation than the common spring locks and latches, and which shall not be liable to get out of order. To this end the invention consists in combining with a weighted tumbler a weighted oscillating bolt constructed to operate either as a lock-bolt or as a self-acting latch, and adapted to be moved by the closing of the door, gate, &c., or by the knob, and to be locked by the ordinary key or a night-key, and dispensing entirely with the use of springs, substantially as I will now proceed to describe.

In the drawing, A is the case of the lock. B is the latch, occupying three sides of the chamber within the case, and pivoted at *b* so that its own gravity will swing it forward without the use of a spring, and cause its beveled lower end to project horizontally through the mortise in the face-plate, and engage automatically with the keeper. C is the elevator, having an aperture, *c*, to receive the bolt to which the door-knobs are attached, by which the latch is lifted and its lower end drawn back. E is the tumbler, pivoted at *d*, weighted heavily at *f*, and provided with two spurs or projections, *e* *e*¹, that engage with the ordinary key

g and with another longer spur, *e*², that engages with an arm, *h*, attached to the latch B, the whole being so constructed that when thrown forward to the position in which it locks the door, as shown by the dark lines, the weight *f* holds it in that position; and when thrown back to unlock the door, as shown by the dotted lines, the weight also holds it in that position without the intervention of a spring; and I is the night-lock, operated by a key in the usual manner, and engaging with a shoulder, *i*, on the latch to hold it locked, as will be clearly understood from the drawing.

The whole construction is very simple and inexpensive, while the lock thus made is strong and durable, and is adapted not only to doors, &c., inside of a house, but to gates, doors of out-buildings, &c.

I am well aware that a swinging weighted latch has heretofore been employed; also, that a pivoted and balanced tumbler has been used; but I am not aware that the two have ever been used in combination with each other.

My invention does not consist in either feature alone, but rather in the adaptation of the various parts to the successful practical combination of the two features in one lock; and I accordingly limit my claim to the specific construction, combination, and arrangement of said parts to effect that object.

What I claim as my invention is—

The pivoted and weighted latch B occupying three sides of the chamber, as shown, and provided with the arm *h*, the balanced pivoted tumbler E, constructed as described, and arranged within the space inclosed by the latch, and the elevator C acting under and against the upper arm of the latch, all constructed, arranged, and operating substantially as and for the purposes set forth.

ANDREW J. HOLLEMBACK.

Witnesses:

CHAS. C. DAVIS,
WM. C. FISK.