

B. Seegmüller,
Latch.

Nº 67,140.

Patented July 23, 1867.

Fig. 3.

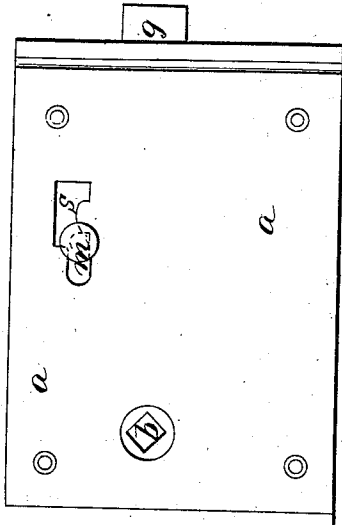


Fig. 1.

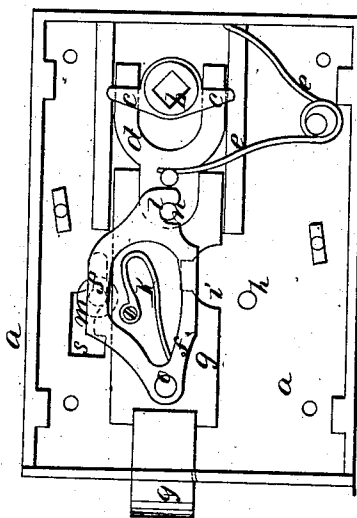
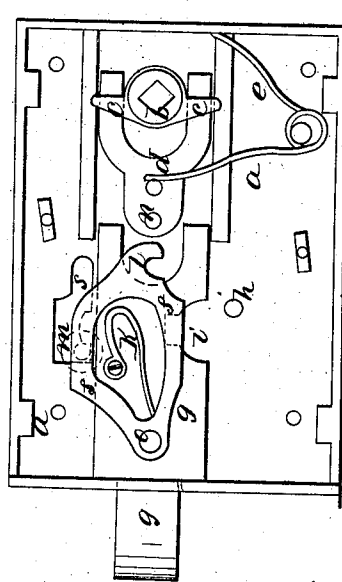


Fig. 2.



Witnesses;
Geo. A. Waister
Chas. H. Smith

Inventor;
B. Seegmüller
per L. W. Serrell

United States Patent Office.

BALTHASAR SEEGMULLER, OF NEW YORK, N. Y.

Letters Patent No. 67,140, dated July 23, 1867.

IMPROVEMENT IN COMBINED KNOB-LATCH AND LOCK.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, BALTHASAR SEEGMÜLLER, of the city and State of New York, have invented, made, and applied to use a certain new and useful Improvement in Locks; and I do hereby declare the following to be a full, clear, and exact description of the said invention, reference being had to the annexed drawing, making part of this specification, wherein—

Figure 1 is an elevation of my said lock with the cap-plate removed and in the position adapted to use as a latch.

Figure 2 is a similar view with the parts in position for use with a key; and

Figure 3 is an elevation of the exterior of the lock-case.

Similar marks of reference denote the same parts.

My improved lock is adapted to use as a lock operated by a key, or a latch operated by a handle, a hooked tumbler being provided between the bolt and the saddle of the handle, so that when said hooked tumbler is disconnected from the latch-bolt it can be projected further, and operated only by the key or by a stud inside the door; or when said hook is connected to the saddle of the handle the bolt becomes only a spring-latch operated by the handle, the end of the latch being inclined so as to be pressed back in closing the door.

In the drawing, *a* represents the lock-case, of any usual size or character. *b* is the square for the spindle of the handle, with the cams *c c*, taking the saddle-piece *d* of the latch that slides in ways on the inside of the lock-case. *e* is a spring to the said saddle, to project it forwards, and, by the connecting hooked tumbler *f*, throw out the bolts. *g* is the latch-bolt, that is bevelled at its end, and guided between studs or slides within the lock-case, so that it will slide endwise; and *h* is the key-stud for a key that acts upon the talon *i* of the bolt, to project or retract the same. The tumbler *f* is set on a stud, *o*, upon the bolt, and kept down by the spring *k*. *l* is the hooked end of this tumbler *f*, taking a stud, *n*, on the saddle. *m* is a knob on the tumbler *f*, passing through a slot, *s*, in the lock-case, which slot is formed with an offset that forms the tumbler-stud.

When the hook *l* is over the stud *n* the lock works as a latch, being acted upon by the handle and thrown forward by the spring *e*, the shank of the knob *m* sliding freely in the slot *s*; but when the key is used the tumbler *f* is lifted and unhooked from the stud *n*, and the bolt thrown forward into the position in fig. 2. The shank of the knob *m* falling behind the offset in the slot *s* prevents the lock being opened until the tumbler is raised by the key from the outside, or by the knob *m* from the inside, and the act of withdrawing the bolt connects the tumbler and bolt with the handle-saddle, so that it can act as a latch until the bolt is again projected by the key from the outside or the knob *m* from the inside. The latch and lock may be placed so that the bolt works either horizontally or vertically.

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

The hooked tumbler *f* pivoted on the bolt, and provided with a knob passing through a slot in the lock-case, in combination with the saddle operated by the handle, substantially as and for the purposes set forth.

In witness whereof I have hereunto set my signature this sixteenth day of March, A. D. 1867.

BALTHAZAR SEEGMULLER.

Witnesses:

CHAS. H. SMITH,

GEO. D. WALKER.