

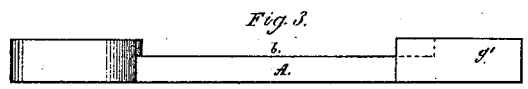
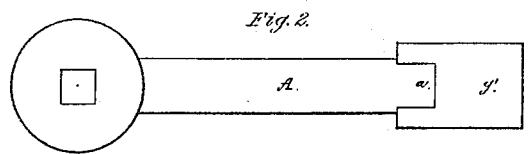
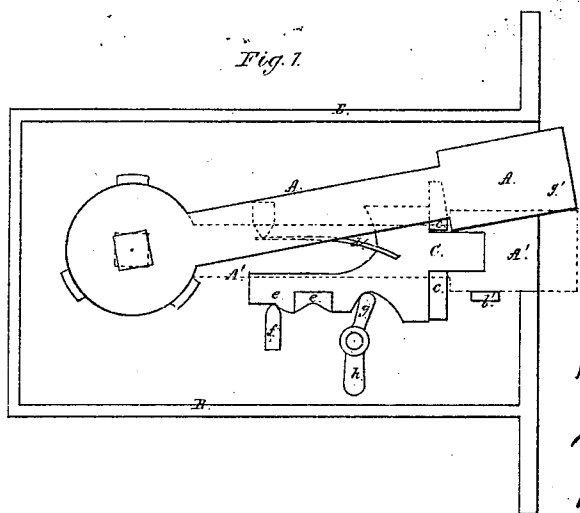
M. F. Favor,

Latch.

No. 103,314.

Patented May 24, 1870.

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Bolt may be
locked either
in upper position
as shown in Fig. 1
or in lower position
by C entering
a.

Witnesses.

S. N. Piper
J. R. Snow

M. Proctor Favor

by his attorney
R. W. Eddy

United States Patent Office.

M. PROCTOR FAVOR, OF EAST NORTHWOOD, NEW HAMPSHIRE.

Letters Patent No. 103,314, dated May 24, 1870.

IMPROVEMENT IN LATCHES.

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

To all persons to whom these presents may come:

Be it known that I, M. PROCTOR FAVOR, of East Northwood, of the county of Rockingham and State of New Hampshire, have invented a new and useful Improvement in Latch-Locks for Doors; and do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawing, of which—

Figure 1 exhibits a view of a latch-bolt and case, with my invention combined therewith;

Figure 2 is a rear-side view, and

Figure 3 an edge view of the latch-bolt.

The said latch-bolt is shown at A, and its case at B, the latter being represented as without its cover or cap.

The latch-bolt is to be so pivoted in the case as to be capable of turning therein in the sector of a circle, that is, from the position indicated by the dotted lines at A' to that denoted by the full lines at A.

On its rear side the bolt is recessed, as seen at *b*, to receive a locking-bolt, C, and it is also provided with a notch, *a*, for the locking-bolt to enter, when shot forward, and the latch-bolt is down against a stud or stop, *b'*.

The auxiliary or locking-bolt O is arranged between guides *c c*, and is to be provided with a spring, *d*, and stop-notches, *e e*, to operate with a stop, *f*, when the bolt is raised by a key, *g*, introduced into a key-hole, *h*, of the lock-case, the whole being arranged in manner as represented in the drawings, in which it will be seen that the locking-bolt is placed alongside of latch-bolt, and between its pivot and recessed head, in

which the latch-bolt answers as a cover or cap to keep the locking-bolt in place.

The arrangement of the parts renders the lock simple and efficient.

The latch-bolt is to extend out of the case of the lock, and to play in one end thereof.

When the locking-bolt is retracted, the latch-bolt can operate as a common latch, and, when down, it may be locked by shooting the locking-bolt into the notch *a*; so, when the latch-bolt is up to its highest position, it may be locked therein by shooting forward the locking-bolt, which, in that case, will extend underneath the head *g'* of the latch-bolt.

I am aware that it is not new to combine with a main bolt, or with a latch, a locking-bolt, such being shown in the United States Patent No. 13,163 to Edward Field, and in that granted February 25, 1851, to Leonard Foster. I therefore make no claim to such.

What I claim as my improvement is—

The arrangement of the latch and its pivot, and the locking-bolt, and their construction in manner as hereinbefore described and as represented in the accompanying drawing, the said arrangement consisting in placing the locking-bolt alongside of the latch-bolt, and between the pivot and recessed head of the latter, the latch-bolt being constructed with the cylindrical pivot and the recessed head, as represented.

M. PROCTOR FAVOR.

Witnesses:

IRA B. HOYT,
CHARLES W. HOYT.