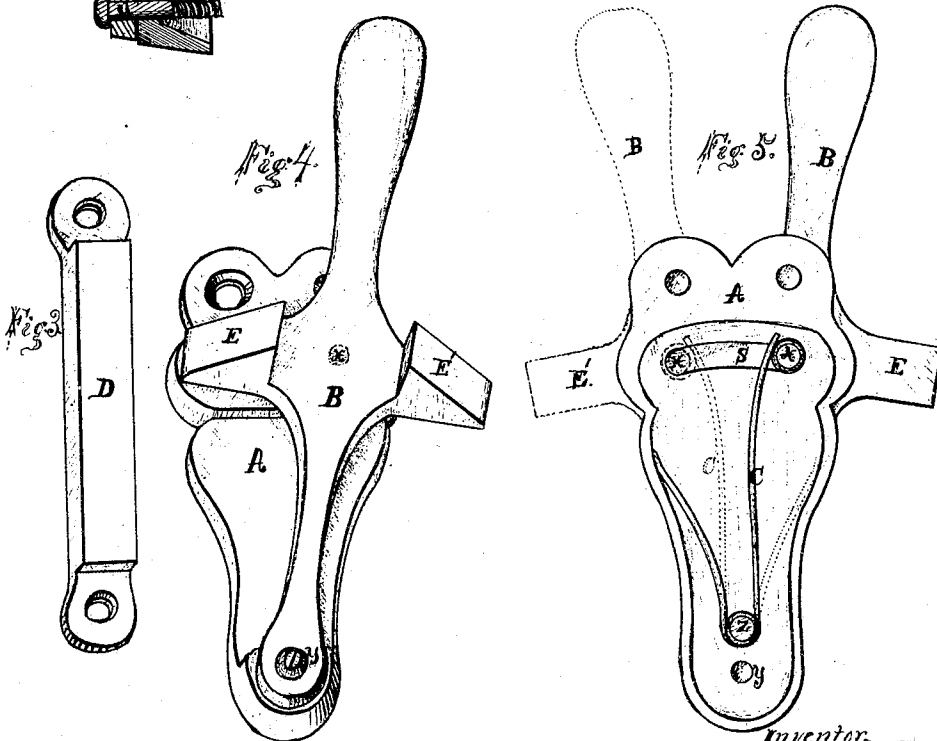
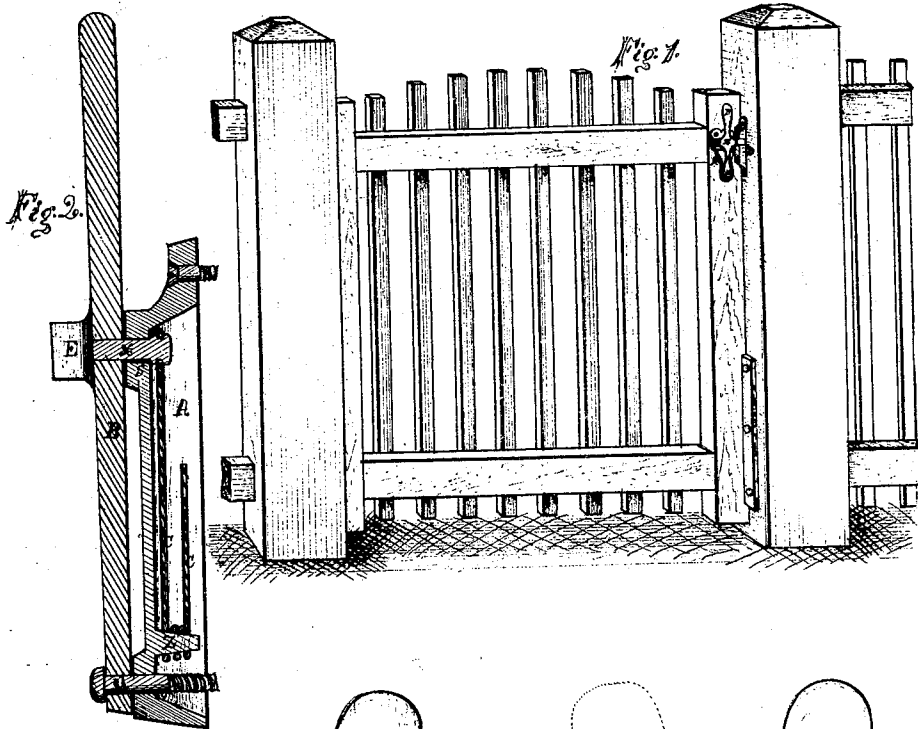


W. Stumard,

Gate Latch.

No. 101,055.

Patented Mar. 22. 1870.



Witnesses.
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WARREN SHUMARD, OF RICHMOND, INDIANA.

Letters Patent No. 101,055, dated March 22, 1870.

IMPROVEMENT IN LATCHES FOR GATES.

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, WARREN SHUMARD, of Richmond, in the county of Wayne and State of Indiana, have invented a new and improved Reversible Gate-Latch, of which the following is a specification.

The object of my invention is to provide a simple and durable reversible latch, that may be applied to a gate of any ordinary construction without mortising or otherwise cutting either the gate or post.

My invention consists of a vertical and reversible latch-bar actuated by a reversible spring inclosed in the bed-plate to which the latch-bar is attached.

Description of Drawings.

Figure 1 is a perspective view of a gate provided with my improved latch.

Figure 2 is a vertical section through the latch.

Figure 3 shows the stop that is used upon the gate-post.

Figure 4 is a perspective view of the latch.

Figure 5 is a vertical projection of the latch, showing the bed-plate and reversible spring.

General Description.

A represents a bed-plate of cast-iron, to which the vertical latch-bar B is attached by means of a pin, H, that passes through a curved slot, S, in the bed-plate, and is provided with an enlarged head that prevents it from being withdrawn.

The latch-bar B is further secured to the bed-plate by a screw or rivet, at Y.

The spring C is coiled around the post Z, one end resting against the side of the bed-plate A and the other acting on the pin H that moves with the latch-bar B.

When desirable the spring C may be reversed, as indicated by dotted lines in fig. 5, when the latch-bar will be thrown to the opposite side.

D represents a metal stop that is secured to the gate-post, and with which the latch engages; it also serves as a stop for the gate to shut against.

The latch-bar B is provided on either side with a catch or projection, as shown at E E', that may engage with the stop D and secure the gate; hence it is only necessary to change the position of the reversible spring C in order to apply the latch in any required position.

The projections E E' are beveled, as shown in the drawings, that the latch-bar may be pressed back in passing the stop D, having passed which it is thrown forward by the action of the spring C, and the gate is secured.

By reason of its peculiar construction, and that of the stop that is placed on the gate-post, this latch will operate equally well should the gate sag a considerable distance after it is put on.

Having thus fully described by said invention, I claim—

1. The vertical and reversible latch-bar B, bed-plate A, and spring C, when operated in combination, substantially as set forth and described.

2. In combination with the above the metal stop D, constructed and applied in the manner set forth.

WARREN SHUMARD.

Witnesses:

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