

(No Model.)

J. L. WILSON.
GATE LATCH.

No. 531,353.

Patented Dec. 25, 1894.

FIG. 1.

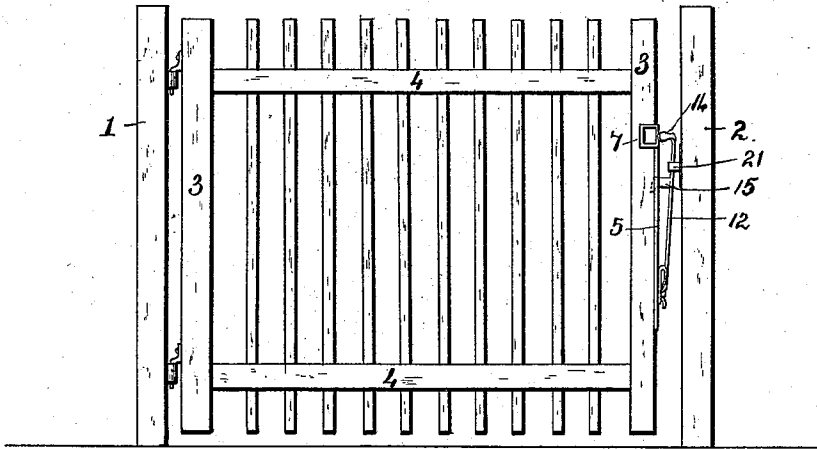


FIG. 2.

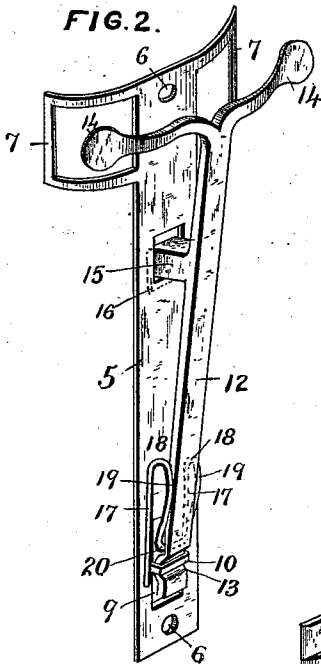


FIG. 3.

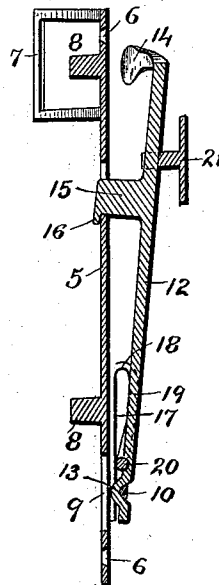
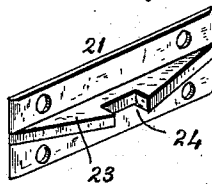


FIG. 4.



ATTEST.

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UNITED STATES PATENT OFFICE.

JAMES L. WILSON, OF MOUNTAIN PEAK, TEXAS.

GATE-LATCH.

SPECIFICATION forming part of Letters Patent No. 531,353, dated December 25, 1894.

Application filed August 28, 1894. Serial No. 521,529. (No model.)

To all whom it may concern:

Be it known that I, JAMES L. WILSON, a citizen of the United States, residing at Mountain Peak, in the county of Ellis and State of Texas, have invented certain new and useful Improvements in Latches for Swinging Gates; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to latches for swinging gates and its object is to provide an improved construction of the same, which shall possess superior advantages with respect to simplicity, economy and efficiency.

The invention consists in the novel construction and combination of parts hereinafter fully described and claimed.

In the accompanying drawings Figure 1, is an elevation of a swinging gate with my improvements applied thereto. Fig. 2, is a perspective view, on an enlarged scale, of the latch detached from the gate. Fig. 3, is a longitudinal sectional view of the latch and the keeper. Fig. 4, is a perspective view of the keeper detached from the post.

In the said drawings, the reference numerals 1 and 2 designate the gate posts, to one of which, 1, the gate is hinged. This gate may be of any ordinary or suitable construction, being shown in the present instance as consisting of vertical standards or uprights, 3, to which the horizontal rails 4 are secured.

The numeral 5, designates a rectangular metal plate, provided with apertures 6, near each end for the passage of screws or other fastening devices, by which it is secured to the front upright of the gate. At its upper side it is provided with outwardly extending curved arms 7, which abut against said upright, and on its inner side it is formed or provided with lugs 8, which fit into corre-

sponding recesses in the upright. These arms and lugs serve to hold the plate in place. At its lower end the plate is formed with an elongated slot 9, across which extends a bent arm 10, made integral with the plate, and which serves as the fulcrum for a lever 12. The lower end of this lever is formed with a bend 13, with which said bent arm engages. The upper end of this lever is formed with two lateral arms 14, forming finger holds for operating the lever, and below said arms it is provided with a rectangular lug, 15, provided with a lip 16. This lug passes through a corresponding aperture in the plate 5. At the lower end of the lever is a spring consisting of a single piece of wire bent so as to form arms 17, 17, bends 18, 18, arms 19, 19, and a bend 20. The arms 17, 17, rest on the plate, while the lever is embraced by the arms 19, 19. The lever bears against the bend 20.

The numeral 21, designates the keeper, secured to the post 2, and consisting of a metal plate, provided with a transverse flange or rib 23, formed with a central notch 24, and beveled or curved from said notch to each end.

The operation will be readily understood. When the gate is shut the lever will strike the beveled or curved ends of the flange of the keeper, which will force it toward the plate until the notch is reached when the spring will force it outward so that it will engage with the notch and latch the gate. To unlatch the gate the lever is forced inward by the finger holds. The lip 16 of the lug 15, prevents the lever from being forced too far outward when the gate is opened, by engaging with the edge of the aperture in the plate through which the lug passes.

Having thus described my invention, what I claim is—

1. The combination with the plate adapted to be secured to a gate, having an elongated slot at its lower end formed with a transverse bent arm, integral with said plate, of the spring actuated lever, having a bend at its

lower end engaging with said arm, and a lug provided with a lip, passing through an aperture in said plate, substantially as described.

2. The combination with the plate having
5 a slot at its lower end formed with a transverse bent arm and at its upper end formed with lateral curved arms, of the lever having a bend at its lower end, lateral finger holds at its upper end, and a lug with a lip, and the
10 spring bent to form arms resting on said plate,

arms embracing the lever, and a bend against which the lever abuts, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

JAMES L. WILSON.

Witnesses:

R. W. DILLARD,

W. G. C. DILLARD.