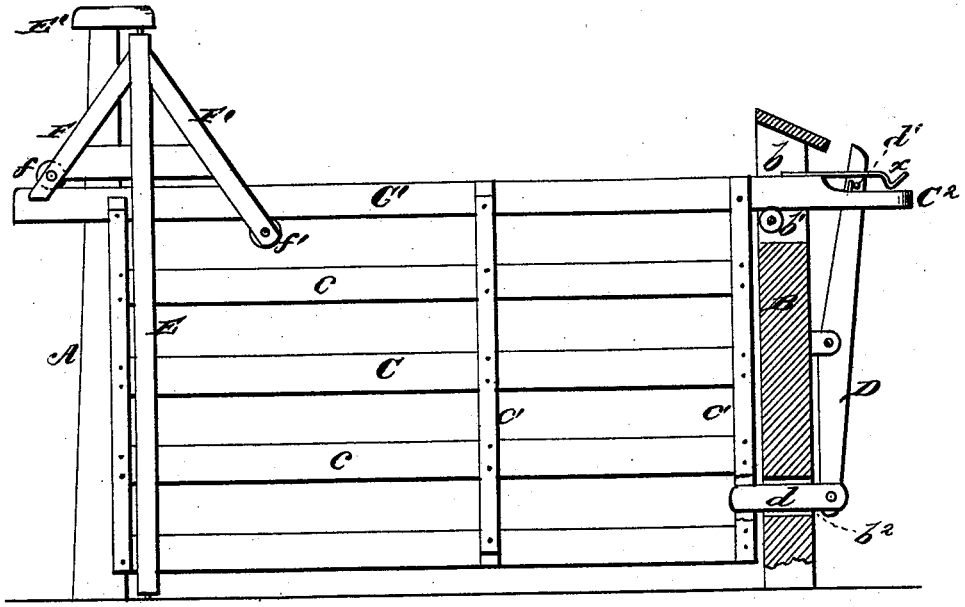
G. W. PYLE.

Gate.

No. 212,501. Patented Feb. 18, 1879.



WITNESSES

Robt Everett

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INVENTOR.

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UNITED STATES PATENT OFFICE.

GEORGE W. PYLE, OF GENEVA, INDIANA.

IMPROVEMENT IN GATES.

Specification forming part of Letters Patent No. **212,501**, dated February 18, 1879; application filed December 21, 1878.

To all whom it may concern:

Be it known that I, GEORGE W. PYLE, of Geneva, in the county of Adams and State of Indiana, have invented a new and valuable Improvement in Gates; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing, making a part of this specification, and to the letters and figures of reference marked thereon.

The figure of the drawing is a representation of a side elevation, partly in section, of my gate.

My invention relates to a gate for farm or road purposes; and the novelty consists in the construction and arrangement of parts, as will be more fully hereinafter set forth.

My improved gate is both reciprocating and swinging, balances itself in such a manner as to give but very little wrenching on the hinge-post, and it is locked above and below in the latch-post when closed, the locking device being automatical.

Referring to the drawing, which forms a part of this specification, A represents the hinge-post, and B the latch-post, of the gate C. The latch-post B is provided with a longitudinal slot, *b*, in its upper portion, in which is journaled a friction-roller, b^1, and in which operates the upper rail, C^1, of the gate C, and with a slot, b^2, near the foot thereof, in which operates a lock-bolt, *d*, which is pivoted to a lever, D, which, in turn, is pivoted at or near its center to the outer surface of the latch-post. The upper end of this lever is provided with a transverse pin or stud, *d'*, which operates in a spring-catch on the end of the upper rail of the gate C.

The gate is formed of longitudinal horizontal bars *c*, held between vertical slats *c'*, as shown. The bars *c* slide loosely in a pivoted vertical post, E, pivoted above to an arm, E', from the hinge-post, and below to the base. Arms F F', rigid with this post E, have journaled in their lower ends friction-rollers *f f'*, the former, *f*, of which operates above the upper surface of the upper rail, C^1, and the latter, *f'*, operates below the lower edge of such rail.

The gate slides loosely in the pivoted post, and an extended arm, C^2, of the rail C^1, having a spring-catch, *x*, and a stud, operates in the slot *b*, as shown. As the gate is pushed in, the lever D is operated so as to push the bolt *d* inward, and lock the gate at both top and bottom.

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

1. The gate C C^1 *c c'*, in combination with the lever D, having stud *d'*, bolt *d*, and latch-post B, as and for the purpose set forth.

2. The pivoted post E, having arms F F', with rollers *f f'*, in combination with the gate C C^1 *c* and posts A B, as and for the purpose set forth.

3. The gate C C^1 *c c'*, constructed as described, in combination with the posts A B, pivoted post E, having arms F F', rollers *f f'*, and lever D, stud *d'*, bolt *d*, as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

GEORGE W. PYLE.

Witnesses:
WILLIAM DREW,
J. W. WILLS.