

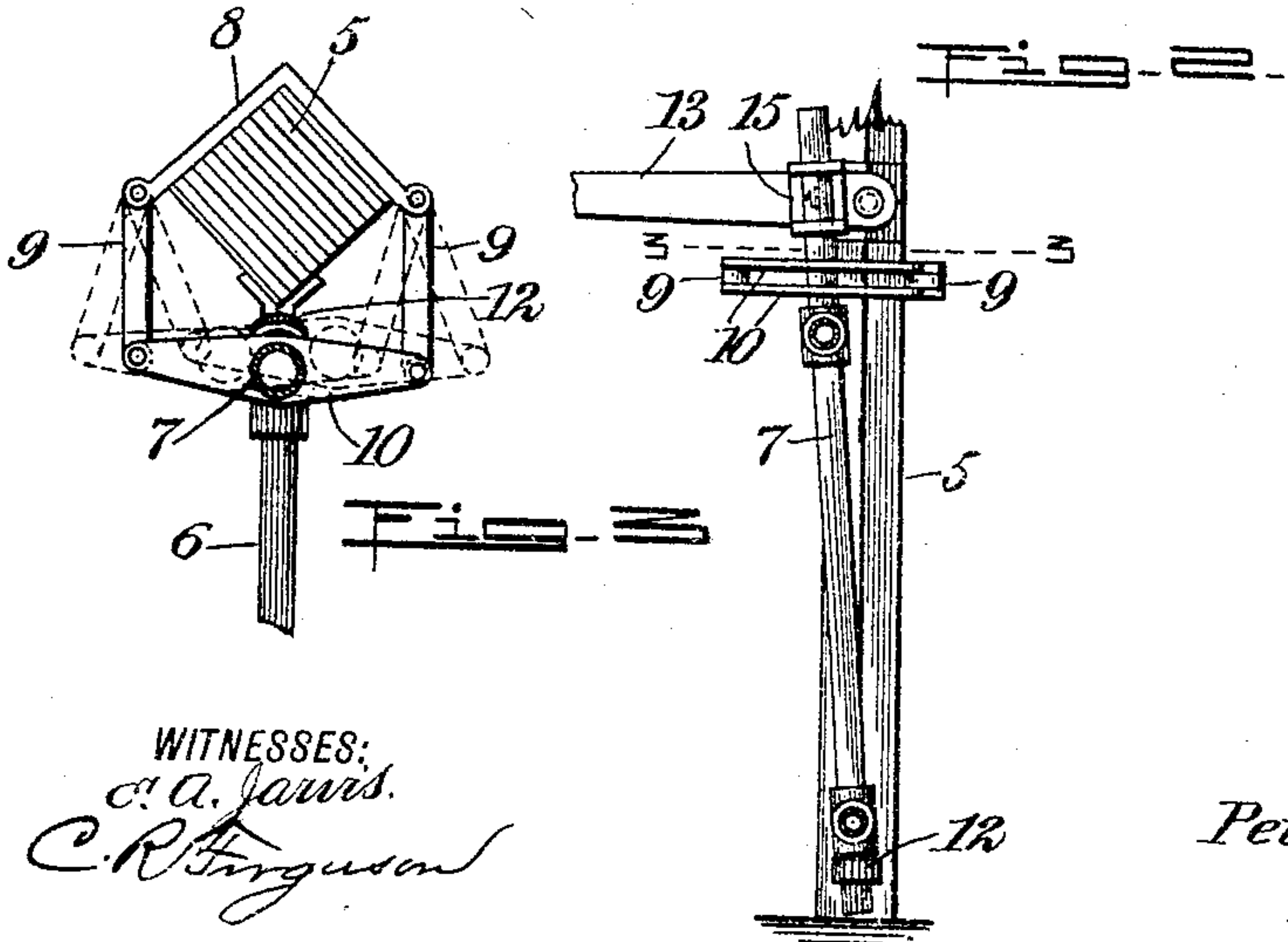
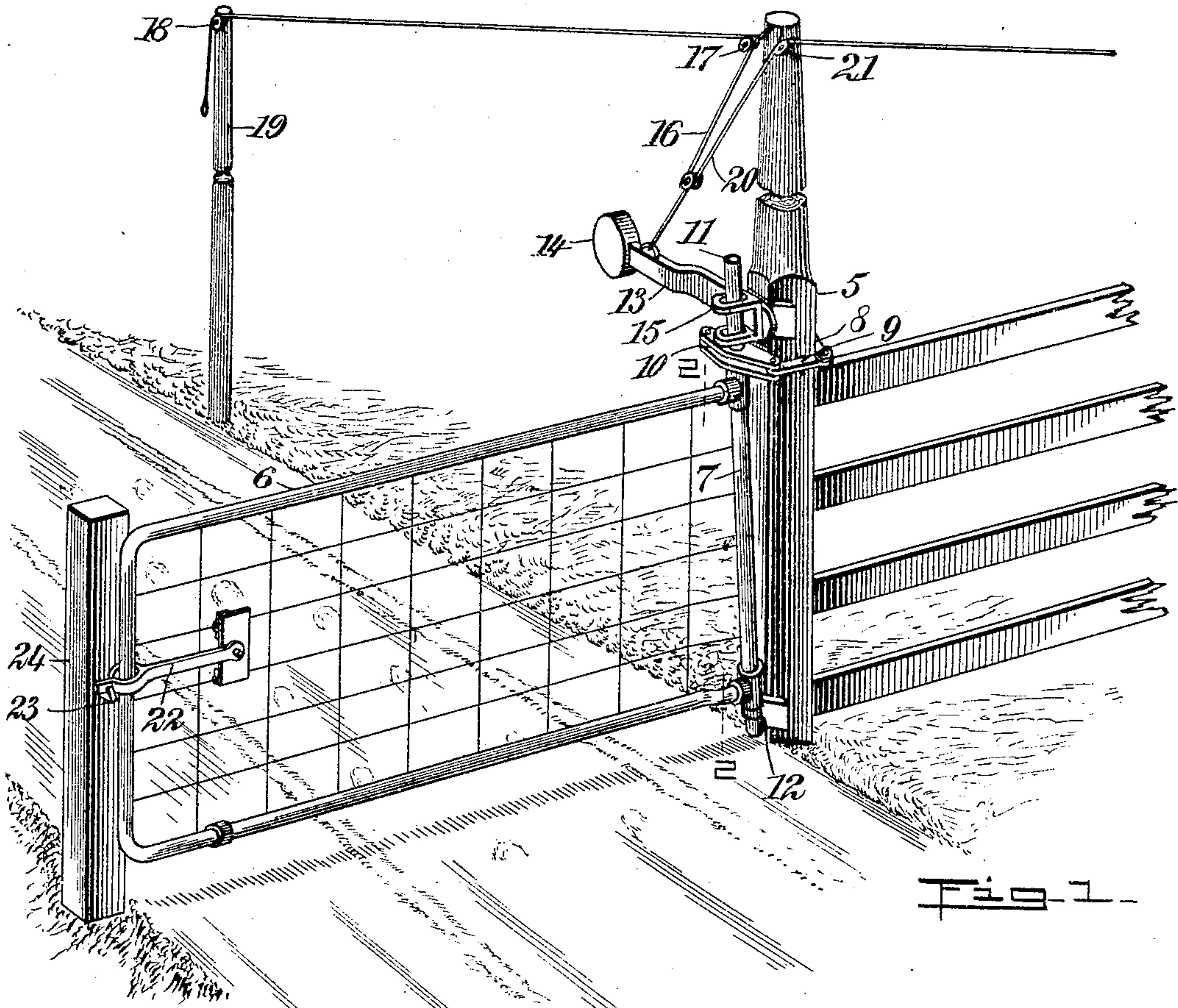
No. 786,109.

PATENTED MAR. 28, 1905.

P. C. FORRESTER.

GATE.

APPLICATION FILED JAN. 7, 1905.



WITNESSES:
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UNITED STATES PATENT OFFICE.

PETER C. FORRESTER, OF STREATOR, ILLINOIS.

GATE.

SPECIFICATION forming part of Letters Patent No. 786,109, dated March 28, 1905.

Application filed January 7, 1905. Serial No. 240,052.

To all whom it may concern:

Be it known that I, PETER C. FORRESTER, a citizen of the United States, and a resident of Streator, in the county of Lasalle and State of Illinois, have invented a new and Improved Gate, of which the following is a full, clear, and exact description.

This invention relates to improvements in swinging gates for driveways and of the type designed to be opened and closed from either side by a person in a vehicle, the object being to provide a simple and positive mechanism for causing the swinging movements without binding or straining.

I will describe a gate embodying my invention and then point out the novel features in the appended claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of a gate embodying my invention. Fig. 2 is a section on the line 2 2 of Fig. 1, and Fig. 3 is a section on the line 3 3 of Fig. 2.

Referring to the drawings, 5 designates a gate-post, to which the gate 6 is hung by means of its pintle-stile 7. Secured to the gate-post 5 is a band 8, and pivotally connected to the band at opposite sides of the post are links 9, and at the gate side of the post these links have pivotal connection with hinge-plates 10. These plates, as clearly illustrated in Fig. 2, are arranged one at the upper side of the links and one at the lower side of the links; but the two plates practically constitute a single hinge-plate. The plates are provided with openings through which the upward extension 11 of the pintle-stile 7 loosely extends, and the lower end of the pintle-stile 7 is mounted to rotate in a bearing 12, attached to the lower end of the post 5.

Mounted to swing on the post 5 above the hinge-plate is a lever 13, having a weight 14 at its free end, and pivotally connected to the lever between its fulcrum-point and its free end is a yoke 15, the outwardly-extended upper and lower portions of which are provided with openings to receive the extension 11 of

the stile 7. From the lever 13 a rope 16 extends over a pulley 17, attached to the post 5, and thence over a pulley 18, attached to a post 19 at one side of the gate, and a similar rope 20 extends from the lever over a pulley 21 on the post 5 and thence to a post (not shown) at the side of the gate opposite the post 19. The gate is provided with a latch 22 for engaging with a keeper 23 on the fence-post 24.

It will be noted that when the gate is closed the pintle-stile 7 stands at a slight angle with relation to a perpendicular line drawn from the lower bearing 12. To open the gate, it is only necessary to draw upon either the rope 16 or the rope 20, which will swing the lever 13 upward and over to the opposite side, thus changing the angle of the stile 7 to the opposite side of the perpendicular line above referred to, and during this motion the latch 22 will be lifted out of the keeper 23 and the gate will automatically swing to open position. To close the gate, one of the ropes is drawn to restore the lever again to its normal position, as indicated in Fig. 1. It is to be understood that the bearing 12 will be sufficiently loose to permit of the swinging movements of the gate pintle-stile.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination with a gate-post, of a hinge-plate, link connections between said plate and the post, a weighted lever mounted to swing on the post, a yoke pivoted to said lever between its free end and fulcrum, a gate having a pintle-stile extended through said hinge-plate and yoke, a bearing for the lower end of the pintle-stile, and means for swinging said lever.

2. The combination with a gate-post, of a band secured to the post, a hinge-plate, link connections between said band and plate at opposite sides of the post, a weighted lever mounted to swing on the post above the hinge-plate, a yoke pivoted to said lever between its free end and fulcrum, a gate having a pintle-stile, the upper end of which above the gate extends loosely through said hinge-plate and the yoke, and a bearing on the gate-post receiving the lower end of the pintle-stile.

3. The combination with a gate-post and a
gate, of a hinge-plate through which the gate-
stile loosely passes, links pivoted to the hinge-
plate and having swinging connection with the
5 gate-post, a weighted lever mounted to swing
on the gate-post, and a yoke pivoted to the le-
ver and through which the gate-stile loosely
passes.

In testimony whereof I have signed my name
to this specification in the presence of two sub- 10
scribing witnesses.

PETER C. FORRESTER.

Witnesses:

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