

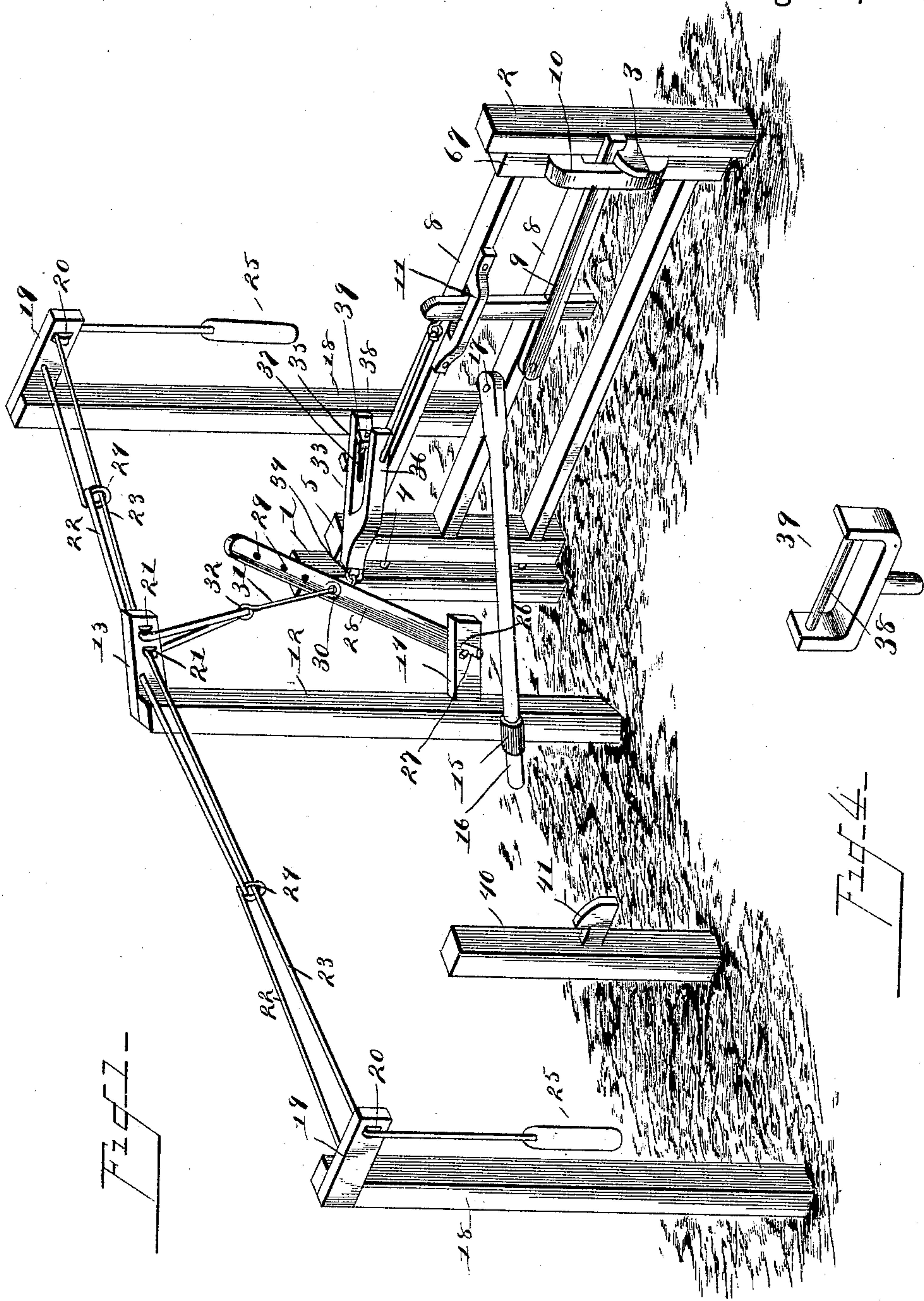
(No Model.)

2 Sheets—Sheet 1.

J. THOMPSON.  
GATE.

No. 435,127.

Patented Aug. 26, 1890.



Witnesses:

*Geo. E. Fitch.*

*W. S. Swall*

Inventor  
*Jesse Thompson.*

By his Attorneys

*C. A. Snow & Co.*

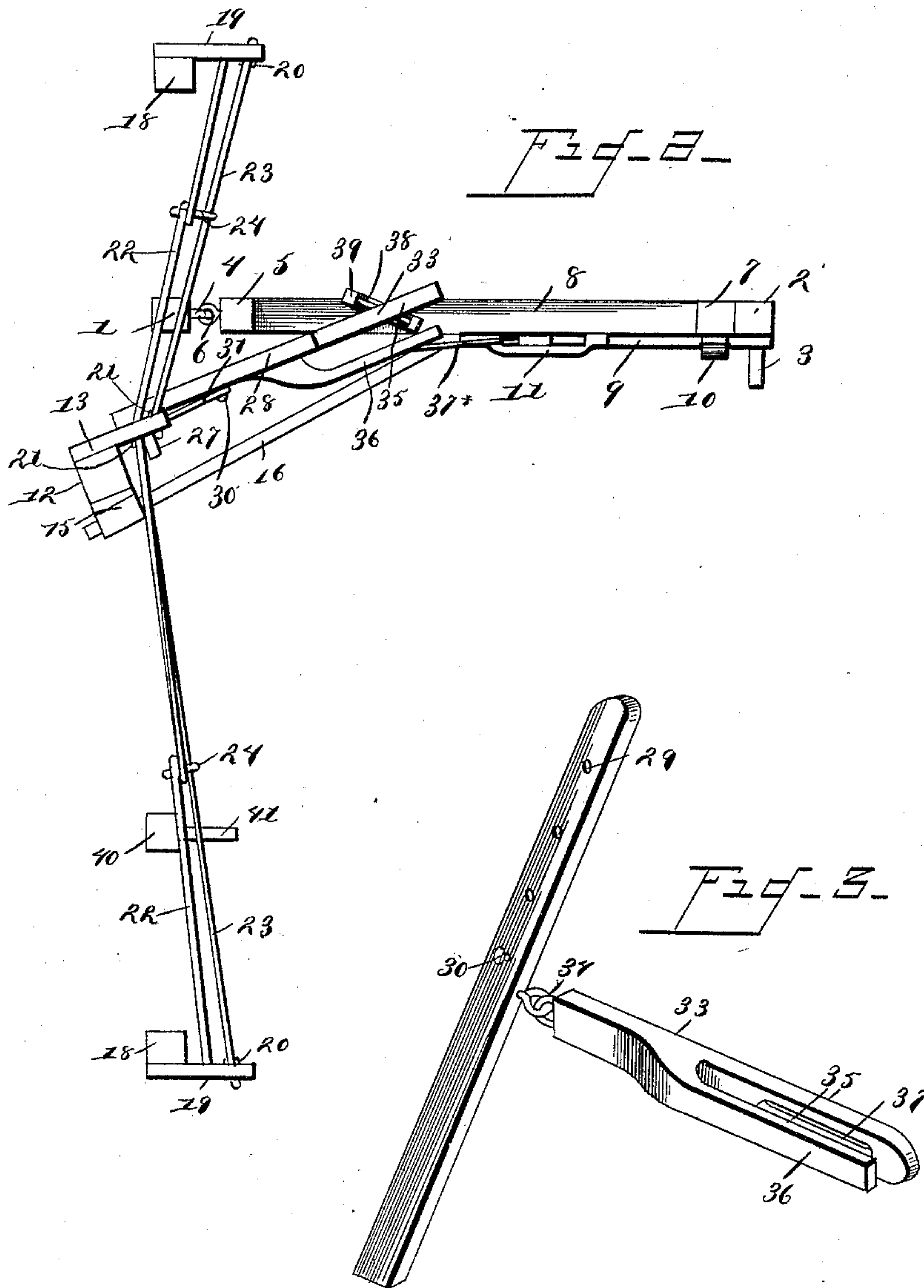
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# UNITED STATES PATENT OFFICE.

JESSE THOMPSON, OF SEXTON, INDIANA.

## GATE.

SPECIFICATION forming part of Letters Patent No. 435,127, dated August 26, 1890.

Application filed December 19, 1889. Serial No. 334,257. (No model.)

*To all whom it may concern:*

Be it known that I, JESSE THOMPSON, a citizen of the United States, residing at Sexton, in the county of Rush and State of Indiana, have invented a new and useful Gate, of which the following is a specification.

This invention has relation to gates, and the objects and advantages of the invention will hereinafter appear, and be particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a perspective of a gate constructed in accordance with my invention. Fig. 2 is a plan; Fig. 3, a detail, in perspective, of the bifurcated latch-operating and gate-opening pitman. Fig. 4 is a detail view of the swivel.

Like numerals of reference indicate like parts in all the figures of the drawings.

1 represents the hinge-post, and 2 the latch-post, the latter provided with the catch 3 and the former with a pair of hinge-brackets 4.

5 represents the hinge-post of the gate, having eyes 6 for engaging the brackets, and 7 represents the latch-post of the gate connected to the hinge-post thereof by a series of longitudinal bars or panel-rails 8. To the central rail of the series there is pivoted an L-shaped latch 9, the lower L end serving as the latch portion and inclosed by a keeper 10 and adapted for engagement with the catch 3, and the upper portion of the L serving as an operating-arm and extending above the upper rail of the series and embraced by a keeper 11.

At one side of the hinge-post 1 there is located a post 12, having a cross-arm 13 at its upper end, and at its lower end a projecting arm 14, and at the opposite side of the post a sleeve 15.

16 represents a rod cylindrical in shape at its rear portion, and loosely fitting and mounted within the sleeve 15, in which it is adapted to reciprocate at the opening and closing of the gate, the forward end of the rod being pivoted, as at 17, to the intermediate rail of the gate at about its center, whereby a raising of the gate by stock whereby they may make their exit is prevented, said rod maintaining the gate in a horizontal position, and only permitting the same to swing laterally.

At each side of the hinge-post 1 and at one side beyond the post 12 there is located a post 18, having a head 19 at its upper end, and in

these heads there are mounted pulleys 20, and in the head 13 of the post 12 a pair of pulleys 21.

22 represents a line-wire connecting the heads 19 and 13, and in each of the pulleys 21 there is mounted for movement one of two oppositely-disposed gate-operating ropes 23, each of which passes to and over the pulley 20, located in one of the heads 19. A ring 24 supports these ropes between the posts, and is in turn supported by the line-wire, and the ends of the ropes terminate in weighted handles 25.

In the arm 14, projecting from the post 12, there is formed an opening or bearing 26, in which is mounted for oscillation a bearing-pin 27, projecting from the lower end of a rocking lever 28, the upper end of which is provided with a series of perforations 29, in one of which is located a removable eyebolt 30. From this eyebolt there projects upwardly a link 31, which terminates in an eye or loop 32, with which the two inner terminals of the operating-ropes are connected, so that the lever may be rocked by drawing down either of the ropes.

33 represents a pitman the rear end of which is connected, as at 34, to the adjacent edge of the rocking lever. Said pitman is bifurcated, forming arms 35 and 36, the former being longitudinally slotted, as at 37, and loosely connected to a cross-pin 38, mounted in the upper ends of a bifurcated swivel 39, pivotally mounted near the rear end of the upper rail of the gate. The opposite branch or bifurcation 36 is by a flexible connection connected with the upper end of the L-shaped latch-bar 9.

The operation of my invention will be readily understood from the foregoing description, and may be briefly stated as follows: The gate is especially adapted for opening from vehicles and to avoid the necessity of leaving the same, and is also adapted to be operated by horsemen with similar advantage. By drawing upon either of the rope-pulls or handles it will be apparent that the rocking lever 28 will be elevated so that the outer end of its slot 37 will be brought against the pin 38 of the swivel. By this time the connection between the opposite bifurcation 26 and the upper end of the L-shaped latch-bar will be taut, and a continued pull will rock the latch-



bar, disconnecting the same from the catch 3 and swing the gate open. When entirely open, said latch-bar engages a catch 40, projecting from a small post 41, arranged in the path of the gate and in line with the posts 18, and the vehicle or horseman may pass through the same.

Having described my invention, what I claim is—

1. The combination, with a swinging gate, of a post located at one side of the same, a sleeve mounted on the side of the post, and a rod mounted for reciprocation in the sleeve and having its opposite end pivoted to the gate, substantially as specified.

2. The combination, with a swinging gate, a pivoted latch-bar, and a bar for operating the same extending therefrom, of a swivel mounted upon the gate in rear of said bar, a bifurcated pitman having one of its bifurcations slotted and loosely receiving a pin in the swivel, and its opposite bifurcation connected to the latch-operating bar, a post located at one side of the gate and in rear thereof, a rocking lever pivoted to the post and connected to the pitman, operating-cords for raising the lever, and suitable posts and pulleys for the support of said cords, substantially as specified.

3. The combination, with the swinging gate, the L-shaped latch pivoted thereto, and the bifurcated swivel having the cross-pin mounted in the upper rail of the gate, of the posts

12, having the head 13 and opposite pulleys 21, the opposite posts 18, and the heads 19 and pulleys 20, the string-wire connecting the heads 19 and 13, and having depending guide-rings, the operating-ropes passing through the rings and mounted in the pulleys 20 and 21, ending in weighted handles and having their ends coming together and connected by a link to a rocking lever 28, and the bifurcated pitman loosely connected, as at 34, to said levers, and having one of its bifurcations slotted to receive a cross-pin in the swivel and the other bifurcation flexibly connected by a link to the upper end of an operating-bar, substantially as specified.

4. The combination, with a swinging gate, a pivoted latch-bar, and a bar for operating the same extending therefrom, of a swivel mounted upon the gate in rear of said bar, a pitman loosely receiving the swivel and connected to the latch-operating bar, a rocking lever connected to the pitman, operating-cords for the lever, and suitable posts and pulleys for the support of said cords, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JESSE THOMPSON.

Witnesses:

GEORGE WRIGHT,  
JOHN J. WILSON.