

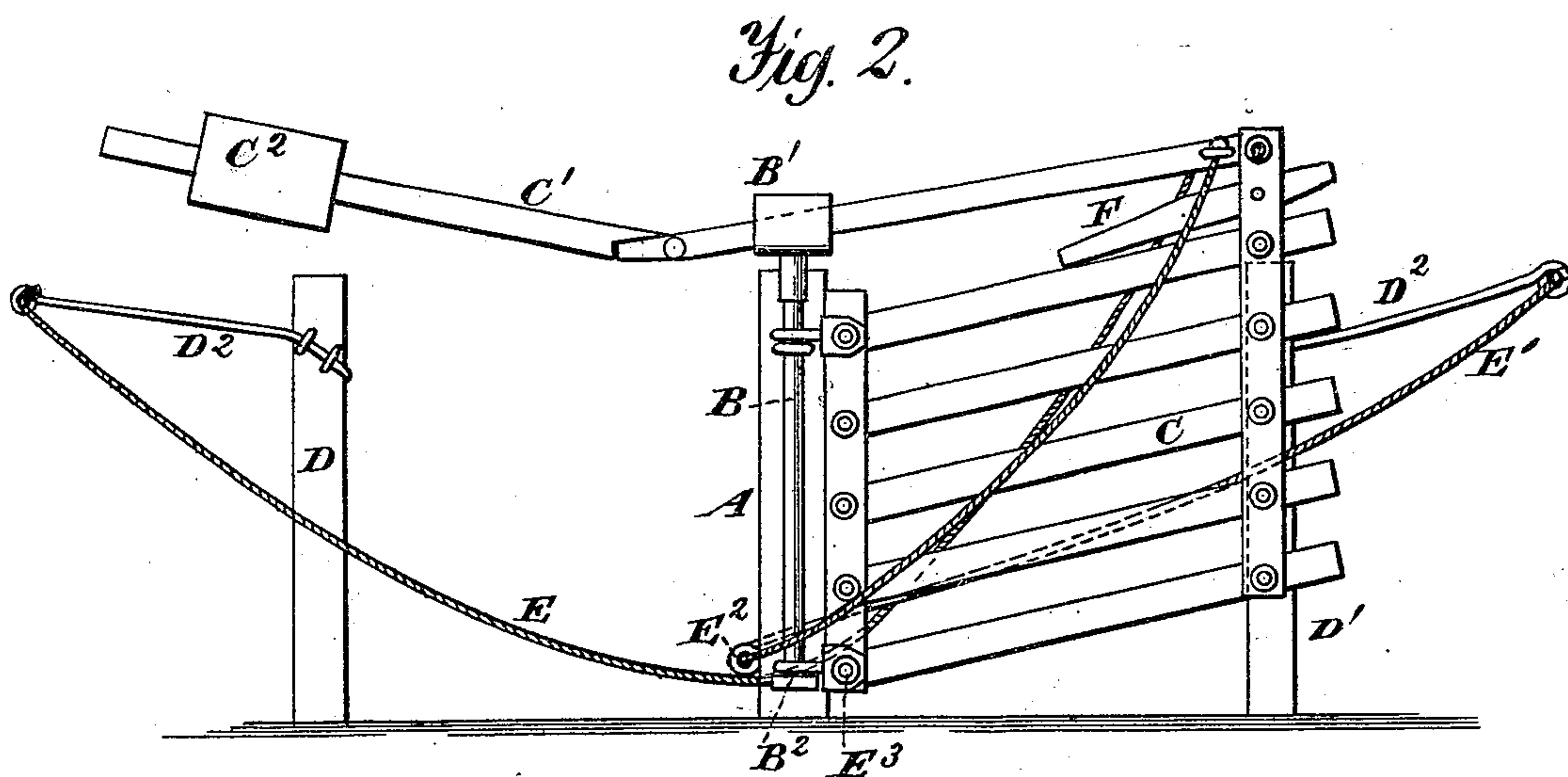
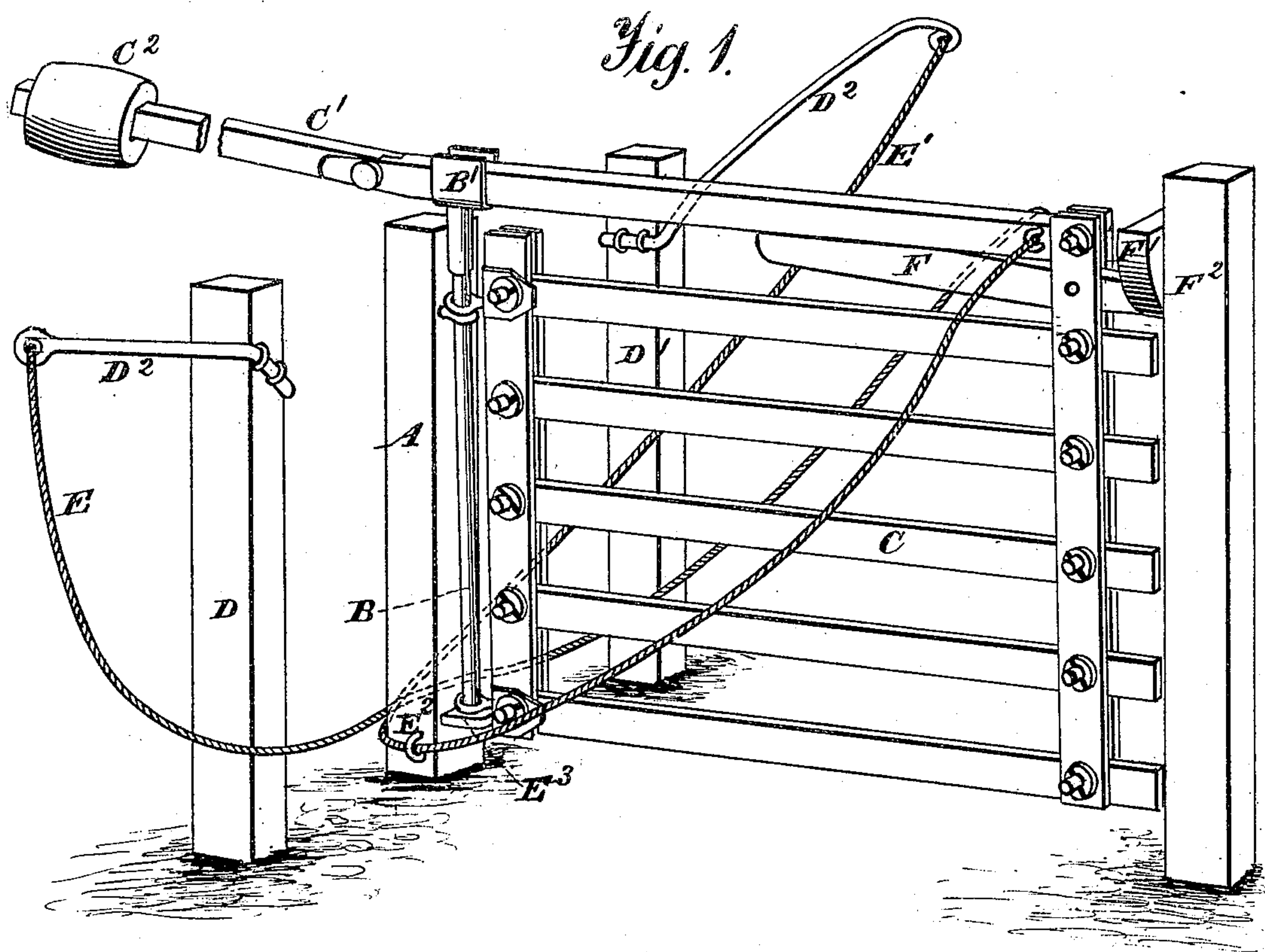
(No Model.)

A. S. W. TIMMONS.

FARM GATE.

No. 248,964.

Patented Nov. 1, 1881.



Witnesses.  
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# UNITED STATES PATENT OFFICE.

ALBERT S. W. TIMMONS, OF TOLEDO, OHIO.

## FARM-GATE.

SPECIFICATION forming part of Letters Patent No. 248,964, dated November 1, 1881.

Application filed April 19, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, ALBERT S. W. TIMMONS, a citizen of the United States, residing at Toledo, in the county of Lucas and State of Ohio, have invented certain new and useful Improvements in Farm-Gates; and I do hereby 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 letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in farm-gates which are opened and closed by means of ropes or chains, which may be manipulated by a person sitting in a carriage or wagon or upon the back of an animal; and the objects of my improvements are, first, to provide novel means of suspending the gate; second, to provide for opening and closing the gate; and third, to provide an adjustable weight for counterbalancing the weight of the gate. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a gate having my improved devices attached thereto, showing the gate, its latch, the posts which support it, an adjustable weight, and ropes for opening and closing the gate; and Fig. 2 is an elevation showing a gate, the post upon which it is suspended, the vertical shaft upon which it turns, and the rest for the upper bar thereof, the adjustable weight, and the ropes for opening and closing the gate.

Similar letters refer to similar parts in both of the figures.

In constructing gates having my improvements embodied therein I provide a post, A, which may be placed in the earth, or its lower end may be supported in or upon a sill the upper surface of which is level with the surface of the earth, so that carriages may pass over it.

To the inner surface of the post A a vertical shaft, B, upon which the gate turns, is secured by means of staples, eyebolts, or hinges, its lower end resting upon a stop, B<sup>2</sup>, inserted in or fixed on the post, and thus supporting the entire weight of the gate. Upon the upper end

of the shaft B there is placed a socket, B', which rests upon the shaft, its upper end being provided with flanges and a bed, upon which the upper rail or bar of the gate rests, and in which said rail moves in being placed in the position shown in Fig. 2, by which the weight upon the gate is depressed as the outer end thereof is raised.

The gate C may be of any approved form and of any suitable material, wood being preferred, its upper rail or bar being extended at its fixed end beyond the outer end of the socket B' sufficiently far to admit of there being attached to it an extension-arm, C', in order that it may be placed at an angle thereto, as shown in Fig. 2, so that the weight C<sup>2</sup> placed upon it may not fall too low when the outer end of the gate is raised for the purpose of being swung around. The weight C<sup>2</sup>, just alluded to, is placed upon the extension-arm C', and is made adjustable thereon, in order that when the ground is covered with snow or ice it may be moved outward and thus cause the outer end of the gate to be raised to such an elevation as to allow it to be swung around to permit the passage of teams or carriages without sweeping the snow along with it.

For the purpose of stopping the gate in the proper position when opened there are arranged two posts, D and D', which are in line, or about in line, with the post A, and are at such distances therefrom as to cause the gate, when opened in either direction, to come in contact therewith, and thus be prevented from swinging too far.

To each of the posts D and D' there is attached an arm, D<sup>2</sup>, which extends outward therefrom in line with the path leading to the gate, they being for the purpose of holding in suspension the outer ends of ropes or chains E E', which extend therefrom to staples or eyebolts E<sup>2</sup> E<sup>3</sup>, secured to the lower end of the post A, as shown; there being one upon each of its edges, from which points they extend to the upper end of the outer portion of the gate, which they are attached. The arrangement of these ropes or chains being such as shown, enables a person approaching the gate either in a wagon or upon the back of an animal, or on foot, to open the gate when it is closed, and,

after having passed, to close it by grasping the opposite rope and pulling upon it. Supposing the gate to be in its closed position, as shown in Fig. 1, and a person to be approaching it from either direction, he has only to grasp the rope and pull it, when the outer end of the gate will be forced downward and the latch F will be disengaged from the catch F', which is fixed upon a post, F<sup>2</sup>, placed upon the side of the path opposite the one on which the post A is placed. After the latch has been disengaged from its catch a further pull upon the rope will cause the gate to be opened, in which position it will remain until the person has passed, when by pulling upon the rope leading in the direction in which he is traveling the gate will be closed. The latch F, when in the position shown in Fig. 1, holds the gate in its level position there shown, but when depressed for unlatching the gate and allowing the same to be turned so as to carry said latch from under its catch the weight C<sup>2</sup> has the effect to cause the gate to assume the position shown in Fig. 2, so that, as before described, it may be opened and

turned without being obstructed by the snow, the horizontal bars of the gate being bolted or pivoted to the vertical cleats, as shown, so that they can turn upon the bolts which pass through them.

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

1. In combination with a gate, C, the shaft B, socket B', stop B<sup>2</sup>, pivoted arm C', and adjustable weight C<sup>2</sup>.

2. The gate C, having an arm, C', jointed thereto which carries an adjustable weight, C<sup>2</sup>, the socket B', its supporting-shaft B, and the ropes E E', for opening and shutting the gate, the parts being arranged for operation substantially as set forth.

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

A. S. W. TIMMONS.

Witnesses:

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C. M. CONNELL.