

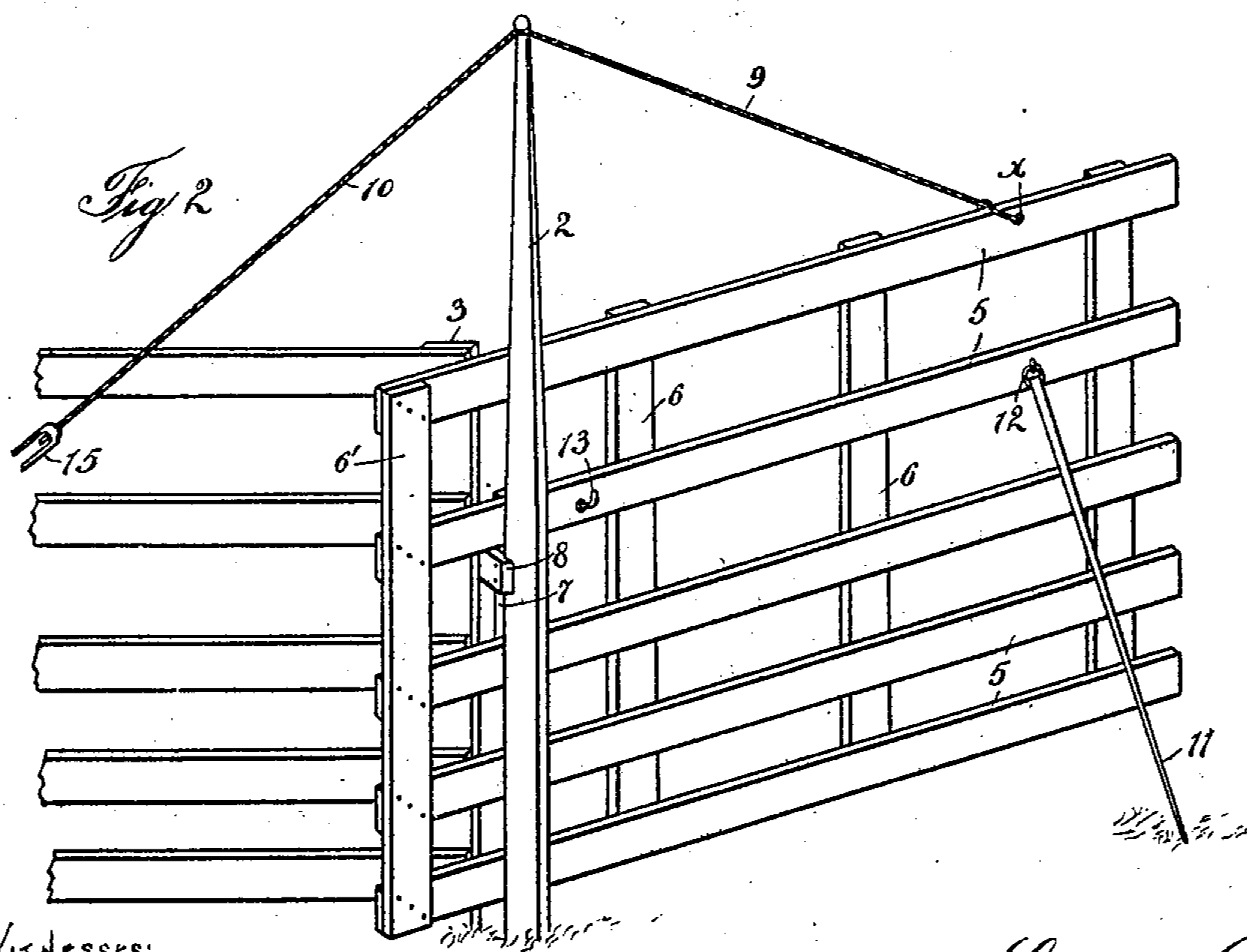
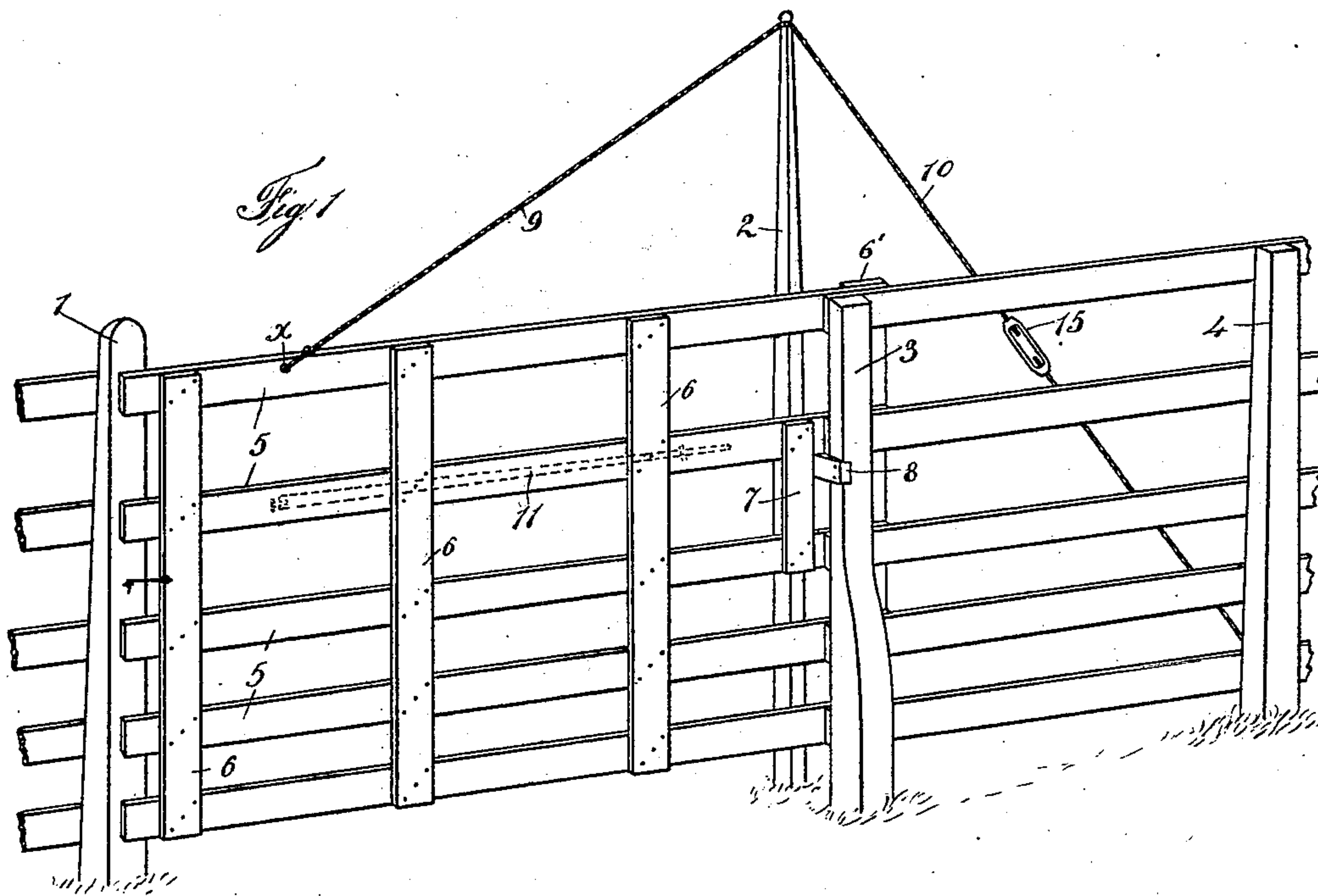
No. 680,506.

Patented Aug. 13, 1901.

G. L. SMITH.
FARM GATE.

(Application filed Apr. 8, 1901.)

(No Model.)



WITNESSES:

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GEORGE L. SMITH, OF CARSON, IOWA.

FARM-GATE.

SPECIFICATION forming part of Letters Patent No. 680,506, dated August 13, 1901.

Application filed April 8, 1901. Serial No. 54,922. (No model.)

To all whom it may concern:

Be it known that I, GEORGE L. SMITH, residing at Carson, in the county of Pottawattamie and State of Iowa, have invented certain useful Improvements in Farm-Gates; and I do hereby declare that the following is a full, clear, and exact description thereof, 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, which form a part of this specification.

This invention has relation to a new and novel improvement in farm-gates.

The object of my invention is to provide a simple farm-gate arranged so that the gate will normally be in a closed condition and be so supported that a child may open or close the same, the invention being noticeable because of its extreme simplicity.

In the accompanying drawings I have shown in Figure 1 an elevation of a fence-section provided with one of my improved gates, while Fig. 2 shows the gate partially open.

My invention embodies, essentially, a gate which is loosely and movably supported upon a supporting-bar, a keeper preventing the gate from being drawn away from the supporting-bar, while a suspending-cord is used to adjustably support the gate, as will be described more fully hereinafter.

In the accompanying drawings I have shown a fence-post 1, against which the free end of a gate works, and the fence-posts 3 and 4 upon the opposite side supporting suitable fence-rails. Adjacent to the fence-post 3 I set a mast 2, which mast projects a suitable distance beyond the post and is provided with a supporting strand or rod 10, having a turnbuckle or like means, so that this rod or strand may be lengthened or shortened, so that the mast 2 can be inclined or drawn out of a perpendicular.

The gate is of any ordinary construction, with the exception that I provide two of the rails at a suitable point with a strip 7, serving as a keeper, and between this keeper 7 and one of the end uprights, as the one marked 6', for instance, the gate hinges, so that at one end the full weight of the gate is supported by means of the supporting-bar 8, while at the free end the gate is supported by means of a strand 9, secured to the upper gate-rail 5, the strand preferably passing through an

opening *x*, as is shown. As the weight of the gate has a tendency to incline the mast 2 toward the open end, the strand 10 is used to counteract this strain. Further, the gate may be inclined, permitting the forward end to drop below the horizontal or be raised above the horizontal by means of the adjustable strand 10, so that the gate will normally be self-closing. So, also, if the gate opens toward rising ground or toward sloping ground the same may be adjusted by means of the turnbuckle 15. Of course, if desired, a mechanical equivalent for this turnbuckle may be supplied.

This gate will swing readily, and because of the way the gate is supported by the strands 9 and 10 the gate is normally in a closed condition, but simply needs an exceedingly slight pressure to open the same.

For convenience sake the gate may be provided with a bar 11, swiveled to one of the rails, so that the gate will remain open in case it should be desired to keep it in such condition for any length of time.

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

The combination with a fence-gate comprising a plurality of horizontal rails united by means of a plurality of vertical rails, of a strip extending vertically from one gate-rail to another and serving as a keeper, a fence-post, a mast positioned adjacent said fence-post, a supporting-bar secured to said mast intermediate of its ends and also secured to said fence-post, said vertical positioned keeper working upon one side against said supporting-bar, a rod extending from near the outer upper end of said gate and secured to the upper end of said mast, said rod being directed downward from said mast and being securely anchored, said rod being severed near the anchored end, and a turnbuckle uniting the severed ends so that said mast may be inclined to change its vertical position, all arranged substantially as and for the purpose set forth.

Signed in presence of two witnesses.

GEORGE L. SMITH.

Witnesses:

E. D. WRIGHT,
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