

S. S. Allen.

Gate.

N^o 85,555.

Patented Jan 5, 1869.

Fig. 1.

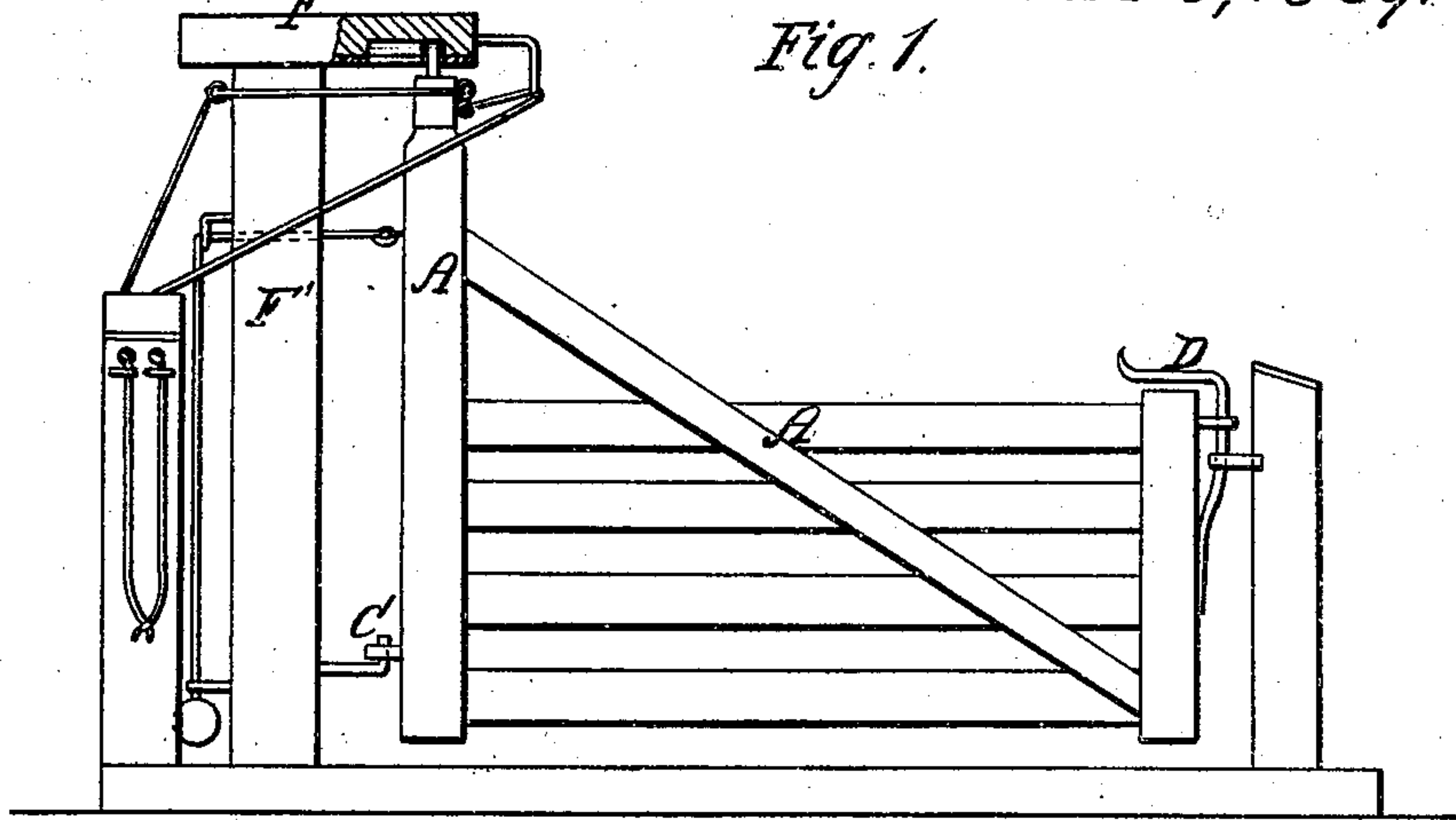
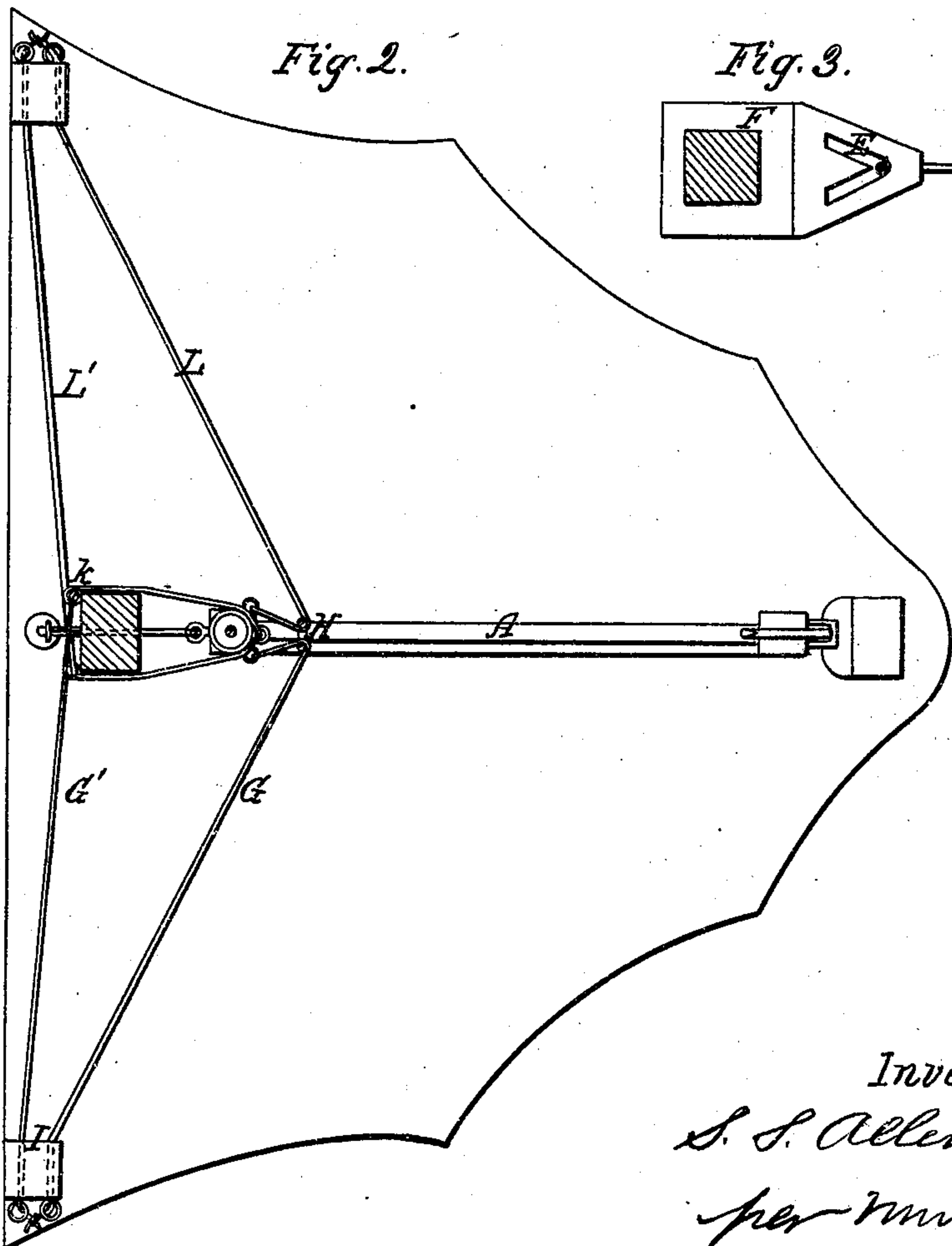


Fig. 2.

Fig. 3.



Witnesses.
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S. S. ALLEN, OF BELVIDERE, NEW YORK, ASSIGNOR TO HIMSELF
AND DAVID ALLEN, OF SAME PLACE.

Letters Patent No. 85,555, dated January 5, 1869.

IMPROVEMENT IN GATES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, S. S. ALLEN, of Belvidere, in the county of Allegany, and State of New York, have invented new and useful Improvements in Gates; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to improvements in gates, whereby it is designed to provide a convenient and reliable means for opening and closing the same when riding either on horseback or in carriages, without the trouble and delay of dismounting.

In the drawings—

Figure 1 represents a side elevation of my improved gate, and

Figure 2 represents a plan view of the same.

Figure 3 represents a detail view.

Similar letters of reference indicate corresponding parts.

A represents the gate, of ordinary construction, hinged to the post, at the bottom, in the usual manner, as represented at C, and provided with a vertical spring-latch, D.

The upper end of the long post A' is provided with a journal, which engages in an angular slot, E, in the under side of a bracket, F, secured to the top of the main post F', on which the gate is suspended.

To the upper end of the post A' of the gate, two sets of cords are attached, for opening and closing the gate from either side, and arranged as follows:

The set G G' is passed through the guide H, projecting from the bracket F to the post I, standing in

the proper position by the side of the path, where it is suspended in a manner to admit it to be conveniently grasped by the rider.

Thence it is passed through the guide K, on the opposite side of the main post F', to the long post A' of the gate.

The set L L' is similarly arranged with reference to the other side of the gate.

On approaching the gate, the rider may grasp the cords G' or L', and open the gate from him by pulling thereon, so as to draw the journal of the post A' backward in the angular slot E, which, by reason of its form, will cause the said post to assume an inclined position relatively both to the longitudinal and transverse directions of the gate, as will be clearly understood, whereby the latch will be raised out of the catch, the gate will be caused to open, and will maintain itself in the open position.

After passing through, by pulling on either the cords G or L, as the case may be, the gate may be closed again.

A balance-weight may also be attached to the gate, to assist the operator in raising it out of the catch, as represented at N.

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

The combination, with the gate-post A', arranged to work in the triangular slot E, of the cords G G' and L L', arranged substantially as and for the purpose specified.

S. S. ALLEN.

Witnesses:

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