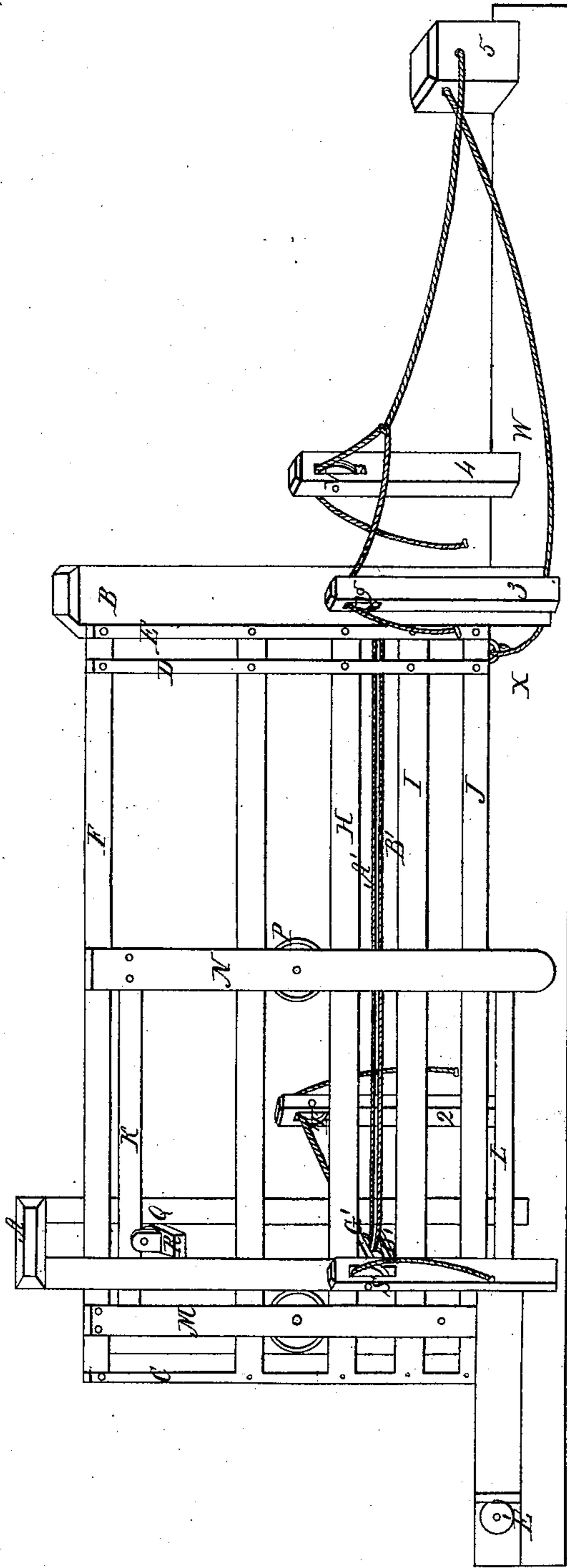


*R. Fleming,*  
*Double Sliding Gate,*

N<sup>o</sup> 77.367.

Patented Apr 28, 1868.



Witnesses;  
Rugel Dutcher  
Chas. G. Stocking.

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# United States Patent Office.

RANSOM FLEMING, OF VICTORY, NEW YORK.

*Letters Patent No. 77,367, dated April 28, 1868.*

## IMPROVED DOUBLE SLIDING OR TURNING GATE.

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

### TO WHOM IT MAY CONCERN:

Be it known that I, RANSOM FLEMING, of the town of Victory, in the county of Cayuga, New York, have invented a new and improved Mode of Constructing Fence-Gates; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, and to the letters of reference marked thereon.

The object of this invention is to simplify and lessen the number of parts required in the manufacture of fence-gates, and by that means lessen the expense incurred in their construction.

In order that others skilled in the art may know how to make and use my invention, I will proceed to describe its construction and mode of operation.

Figure 1 is a side elevation of the entire gate and appliances.

A and B are the gate-posts.

The sliding portions of my gate are made in two sections. The wide portion embraces the three vertical pieces, C, D, and E, and the five horizontal slats F, G, H, I, and J. The latter pieces are mortised into the former, and well secured by bolts or pins, as shown in the drawing. The smallest section is composed of the two slats K and L, and the vertical or end-piece shown at M and N.

These end-pieces are made double, or in two parts; one is placed on each side of the slats K L, and bolts or pins put through the pieces at the points of intersection, which hold all together.

Between the slats K and L, and between the vertical pieces M and N, are blocks, equal in thickness to the slats K and L, inserted between the vertical pieces M N, and pinned or bolted, for the purpose of supporting and holding the several parts in their proper places. These pieces are placed at such points as not to obstruct the free passage of the slats F G H I J between the vertical pieces M N, and also to leave room for the pulleys O and P. These pulleys support the wide portions of my gate, as the slat G rests upon them. The narrower portions of my gate slide or roll on the pulley Q, in the stand R, by means of the upper slat K resting thereon.

There are five pulley-posts, 1, 2, 3, 4, 5. These posts are mainly for the purpose of raising the cord at these points, as to enable the traveller to catch hold of them without dismounting, for the purpose of opening or closing the gate thereby.

In the upper end of the pulley-posts are pulleys S T U V. The pulley in the post 5 is not shown in the drawing, it being enclosed, and out of sight. The cord W is attached to the bottom of the gate at X. From thence it passes around the pulley in the post 5, and from thence towards the two posts 3 and 4. The cord W is divided into two parts after it leaves the post 5. One portion passes over the pulley U in the post 3, and the other portion over the pulley V in the post 4.

The cords A' and B' are both attached to the end-piece E of the gate. They pass toward the opposite end. The cord A' passes around the pulley C' in the post A, and from thence over the pulley T in the post 2; the cord B' around the pulley D', secured to the same post, and from thence over the pulley S in the post 1, and hang suspended therefrom.

Now, as the traveller approaches the closed gate on this side, as shown in the drawing, he catches hold of the end of the cord D, suspended from the post 1, and by a slight pull opens the gate. He passes through, and takes hold of one end of the cord W, suspended from the post 4, and by pulling the same closes the gate.

Having above described the construction and mode of operating my improved gate, what I claim as new, and wish to secure by Letters Patent, is—

1. In combination with said gate, and as a component part thereof, the pulleys O and T, and the pulley Q in the stand R, as above set forth.

2. The five posts, in combination with the cords W and cords A' and B, when all are constructed in the manner and used as and for the purpose specified.

RANSOM FLEMING.

Witnesses:

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