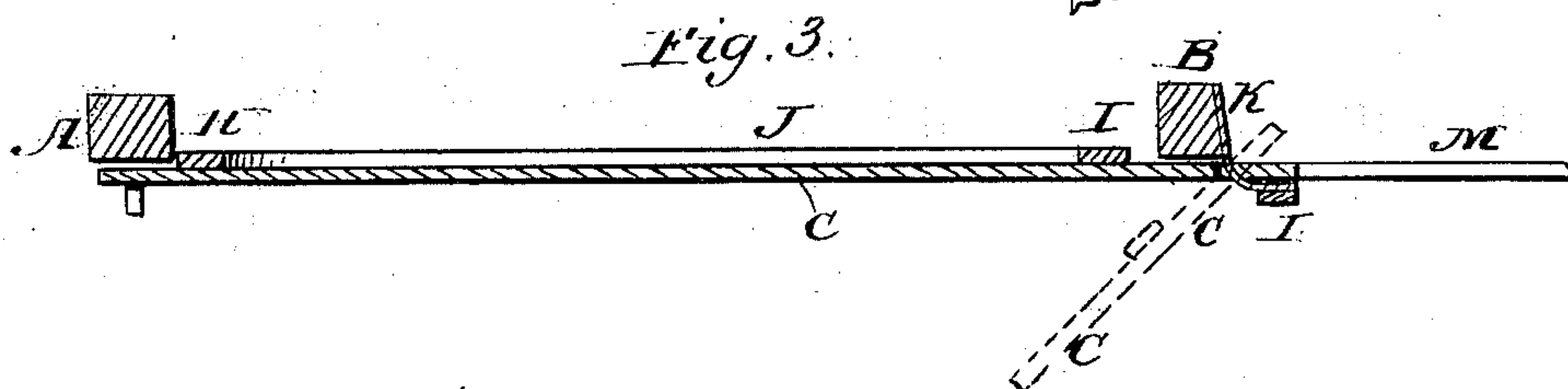
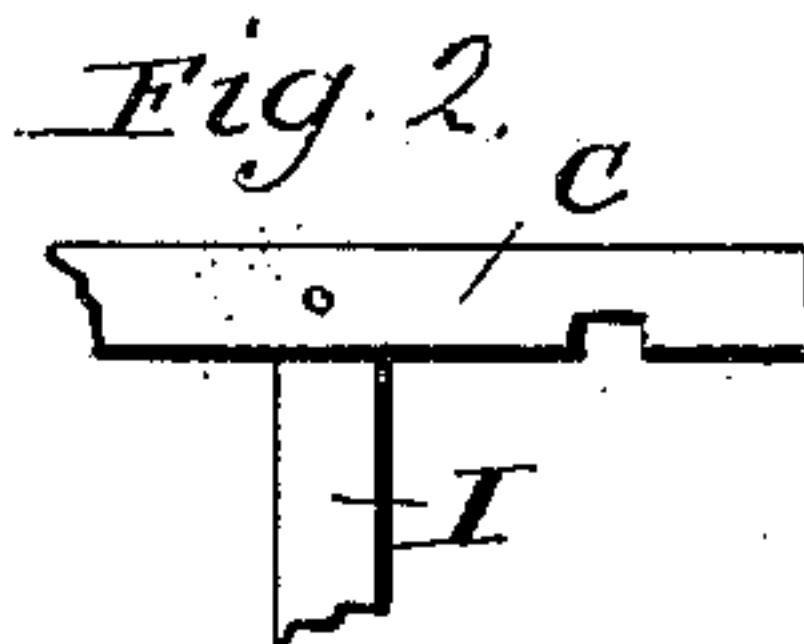
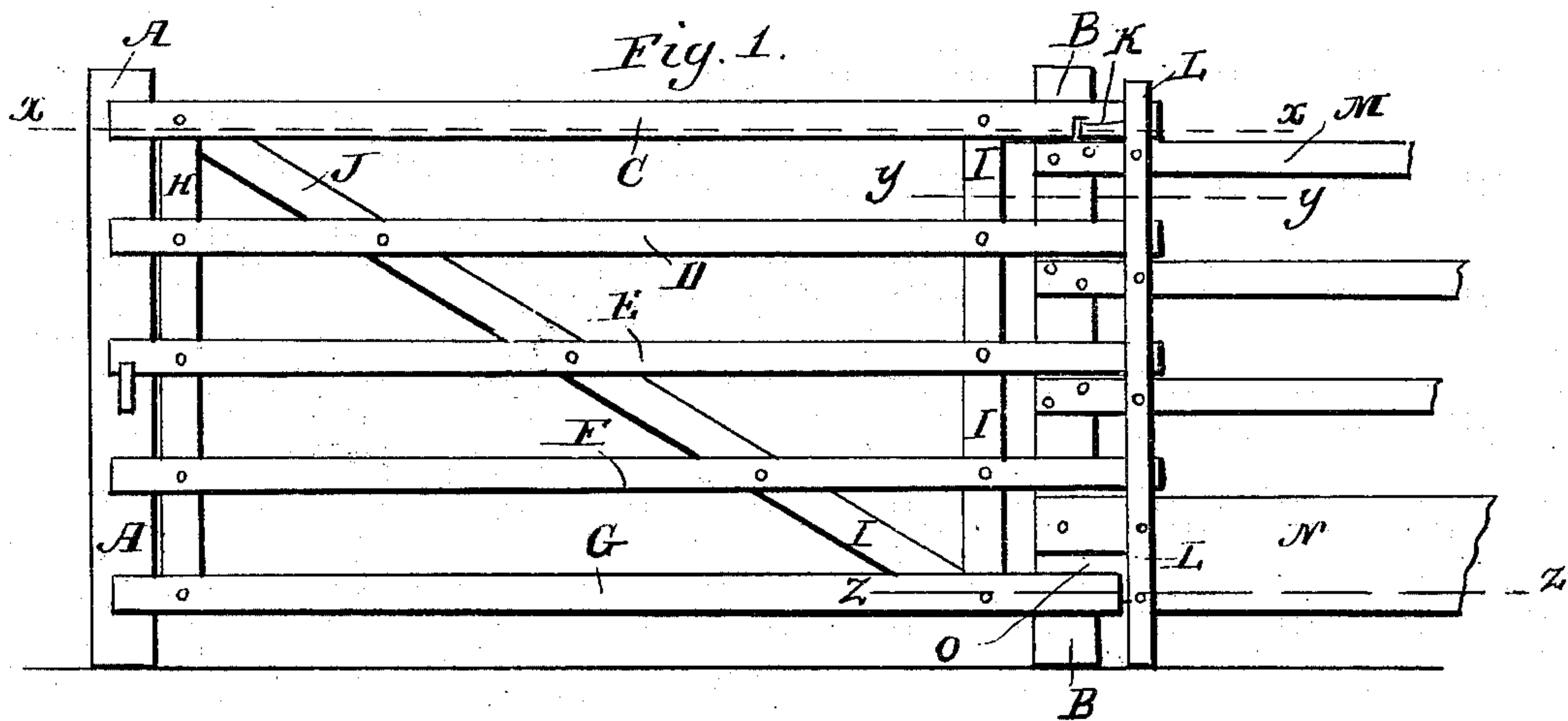


B. S. HEALY.

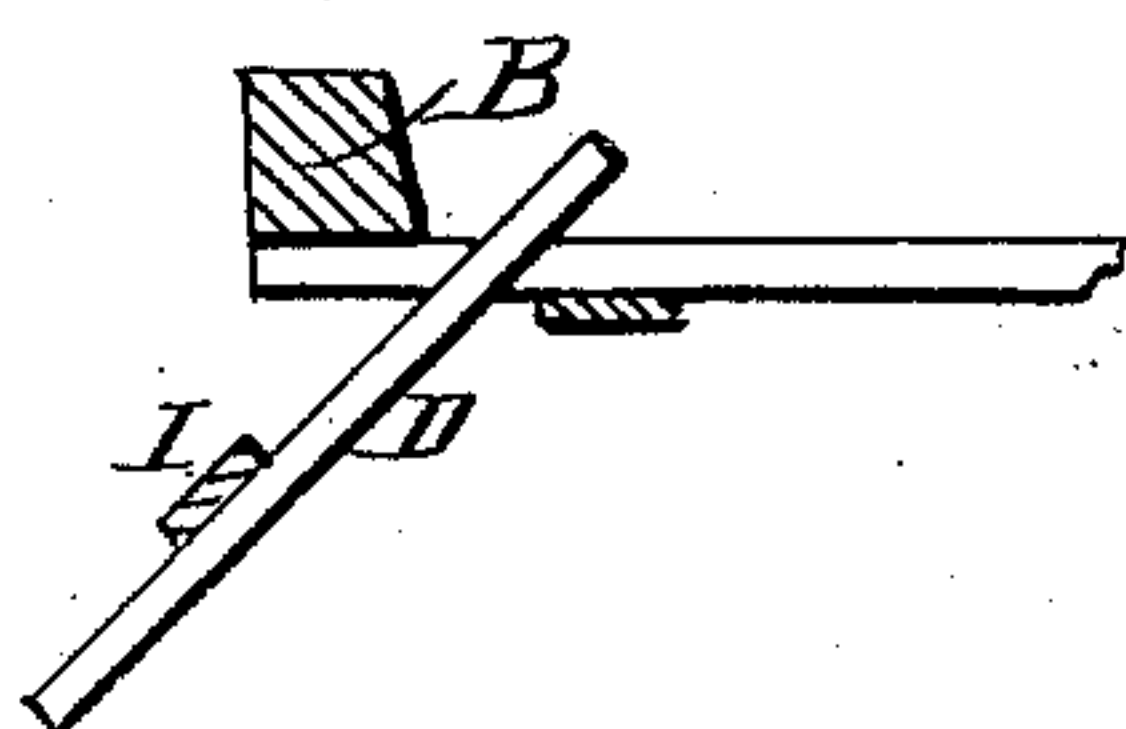
Gate.

No. 57,713.

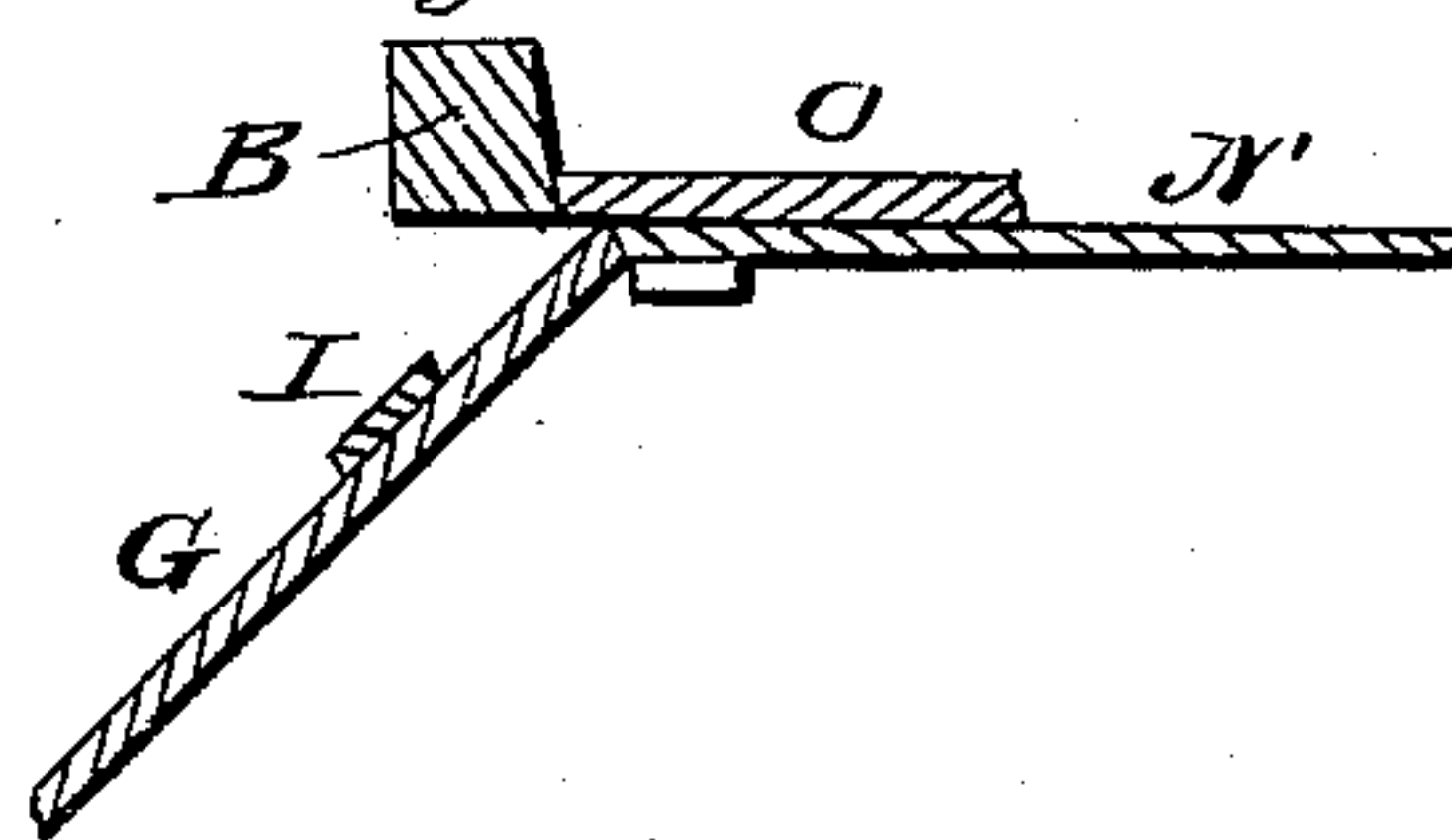
Patented Sept. 4, 1866.



*Fig. 4.*



*Fig. 5.*



Witnesses:  
*J. W. Huntington*  
*Jas. A. Service*

Inventor:  
*B. S. Healy*  
*Per Munn & Co*  
*Atty.*

# UNITED STATES PATENT OFFICE.

B. S. HEALY, OF COHOCTON, NEW YORK.

## IMPROVEMENT IN GATES.

Specification forming part of Letters Patent No. 57,713, dated September 4, 1866.

*To all whom it may concern:*

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

Figure 1 is a side view of my improved gate with a portion of the fence with which it is connected. Fig. 2 is a detail view of the rear end of the notched top rail of the gate. Fig. 3 is a detail longitudinal section of my improved gate, taken through the line *x x*, Fig. 1, and showing in dotted lines the position of the gate when swinging. Fig. 4 is a detail sectional view, taken through the line *y y*, Fig. 1. Fig. 5 is a detail sectional view, taken through the line *z z*, Fig. 1.

Similar letters of reference indicate like parts.

My invention has for its object to furnish a simple, cheap, and convenient manner of hanging a gate; and it consists, first, in the combination of the perpendicular support with the projecting ends of the gate-rails and with the rails of the fence, for the purpose of supporting the gate when closed, and of allowing the said gate to swing out at right angles to the fence; second, the curved metallic strip, in combination with the notched top rail of the gate, with the gate-post, and with the perpendicular support; third, the combination of the supporting-piece with the gate-post and the perpendicular support and with the shortened bottom rail of the gate; and, fourth, constructing the gate with its rails projecting in the rear for the purpose of supporting the gate both when closed and when swinging, as hereinafter more fully described.

A is the front and B the rear gate-post. The rails C, D, E, F, and G of the gate are secured in their proper positions by the vertical strips H and I and by the diagonal brace J in the ordinary manner.

The rear ends of the rails of the gate project beyond the upright strip I, and by resting upon the upper edges of the fence-rails furnish supports to the gate both when closed and when swinging.

The lower edge of the rear end of the top rail, C, of the gate is notched, as shown in Figs. 1, 2, and 3, which notch fits over the curved metallic strip K, to resist the downward tendency of the forward end of the gate, which would otherwise tend to draw the ends of the gate-rails from their positions upon the upper edges of the fence-rails, and render it necessary that the forward end of the gate should be supported while being opened and closed.

The metallic strip K is curved into the shape shown in Fig. 3, and is securely attached to the post B and to the perpendicular support L, its lower edge resting upon the upper edge of the top rail, M, of the fence, as shown in Fig. 1. This curved metallic strip K furnishes a pivoting and supporting point for the upper part of the gate when swinging.

The bottom rail, G, of the gate is shortened so that it cannot pass behind the support L, and the lower part of the forward end of the lower board or rail, N, of the fence is cut away, so that the bottom of the gate and the bottom of the fence may both be on the same line.

O is a supporting piece, securely fastened to the post B and to the support L, and covering the space left vacant by the cutting away of the part of the rail or board N. Against this support O, as a pivoting-point, the shortened end of the rail G rests when the gate is being opened and shut.

The perpendicular support L is attached to the rails of the fence, as shown, and extends from the bottom to the top of fence. This support holds the rails of the gate in place and supports them against any side pressure when the gate is closed; and it also supports the gate when opened, and prevents it from being swung too far back.

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



1. The curved metallic strip K, in combination with the notched top rail of the fence, with the gate-post B, and with the perpendicular support L, substantially as described, and for the purpose set forth.

2. The combination of the supporting-piece O with the gate-post B, the perpendicular support L, and with the shortened bot-

tom rail, G, of the gate, substantially as described, and for the purpose set forth.

The above specification of my invention signed by me this 16th day of March, 1866.

B. S. HEALY.

Witnesses:

JOHN J. HEALY,

A. ADAMS.