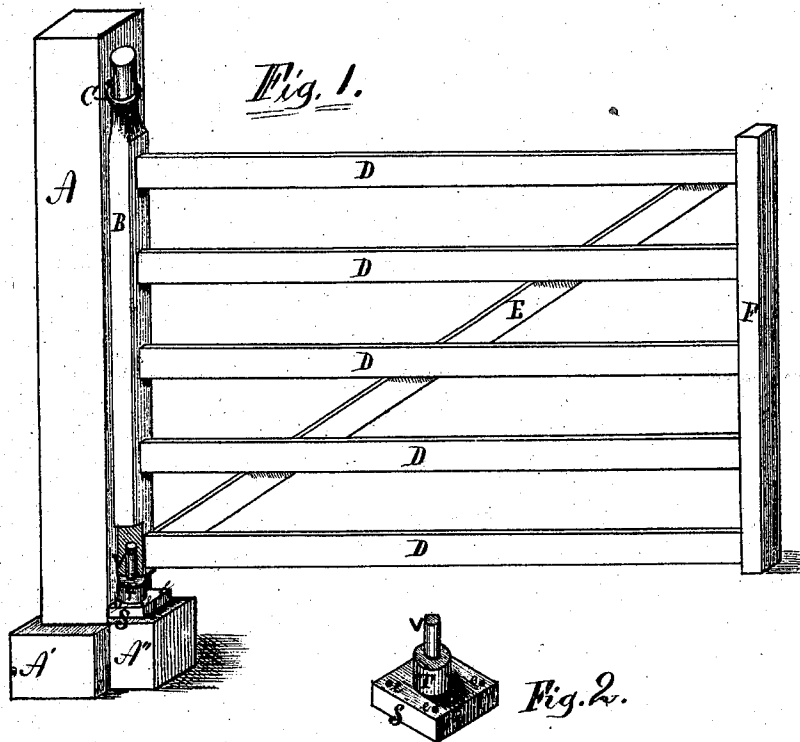


*J.H. & P.J. Murphy,*

*Gate.*

*No. 100787.*

*Patented Mar. 15. 1870.*



*Witnesses:*  
*J. B. Hanks.*  
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# United States Patent Office.

JOSEPH H. MURPHY AND PATRICK J. MURPHY, OF ABINGDON, ILLINOIS.

*Letters Patent No. 100,787, dated March 15, 1870.*

## IMPROVEMENT IN FARM-GATES.

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

We, JOSEPH H. MURPHY and PATRICK J. MURPHY, of Abingdon, in the county of Knox, and State of Illinois, have invented certain Improvements in Farm-Gates, of which the following is a specification.

### *Nature and Objects of the Invention.*

Our invention relates to a simple method of hanging farm-gates; and

The invention consists in the peculiar construction and combination of a metallic support with the gate and gate-post, said support having a journal on its upper end, fitting into the side rail of the gate at the lower end of said rail, and forming a pivot on which the gate swings, the upper end of the gate being held by an eye-bolt.

### *Description of the Accompanying Drawings.*

Figure 1 is a perspective view of our gate, with the lower end of the side rail cut away, to show the interior.

Figure 2 is a perspective view of the metallic support for the lower end of the gate.

### *General Description.*

A is an ordinary gate-post, with projecting bases, A' A".

B and F represent the side rails of the gate, and D and E, the cross-rails of the same.

S represents a rectangular plate, with a vertical cylindrical projection, T, from its upper surface.

V is a smaller cylinder than T, and is projected from the upper surface of the cylinder T.

The cylinders V and T and plate S are cast in one piece.

The plate S rests on top of the projection A" of the

post A, and is secured thereto by bolts or pins through the holes e e e e.

A hole is bored in the lower end of the rail B, corresponding with the journal V.

The lower end of the rail B is represented as cut away, to show its position on the journal V, with the base of the rail resting on the top of the cylinder T.

The top of the rail B is secured to the post A by the eye-bolt C, the eye of which encircles the round-topped rail B, and the shank passes through the post A, and is secured by a nut.

Many efforts have been made to devise a method for hanging gates, combining the maximum of usefulness with the minimum of cost. Our improvement possesses these desirable qualities in an eminent degree. The use of hinges is obviated, it is not liable to get out of order, and, by its general simplicity of parts, economy is secured.

The gate swinging on the cylindrical pin V, inserted in the wood of rail B, and the bottom of rail B being truly fitted, and resting on the cylinder T, a complete protection against the corroding influence of the weather is secured, and, at the same time, the entrance of dirt, &c., to the journal or working part of the swinging device of the gate, is prevented.

We claim as our invention—

The plate S, constructed, as shown and described, with cylindrical projections T and V, in combination with rail B, eye-bolt C, and post A, the whole arranged to operate substantially as and for the purpose specified.

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Witnesses:

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