

Hill. Ostrander & Spink,
Farm Gate.

No. 88,569.

Patented Apr. 6. 1869.

Fig. 1.

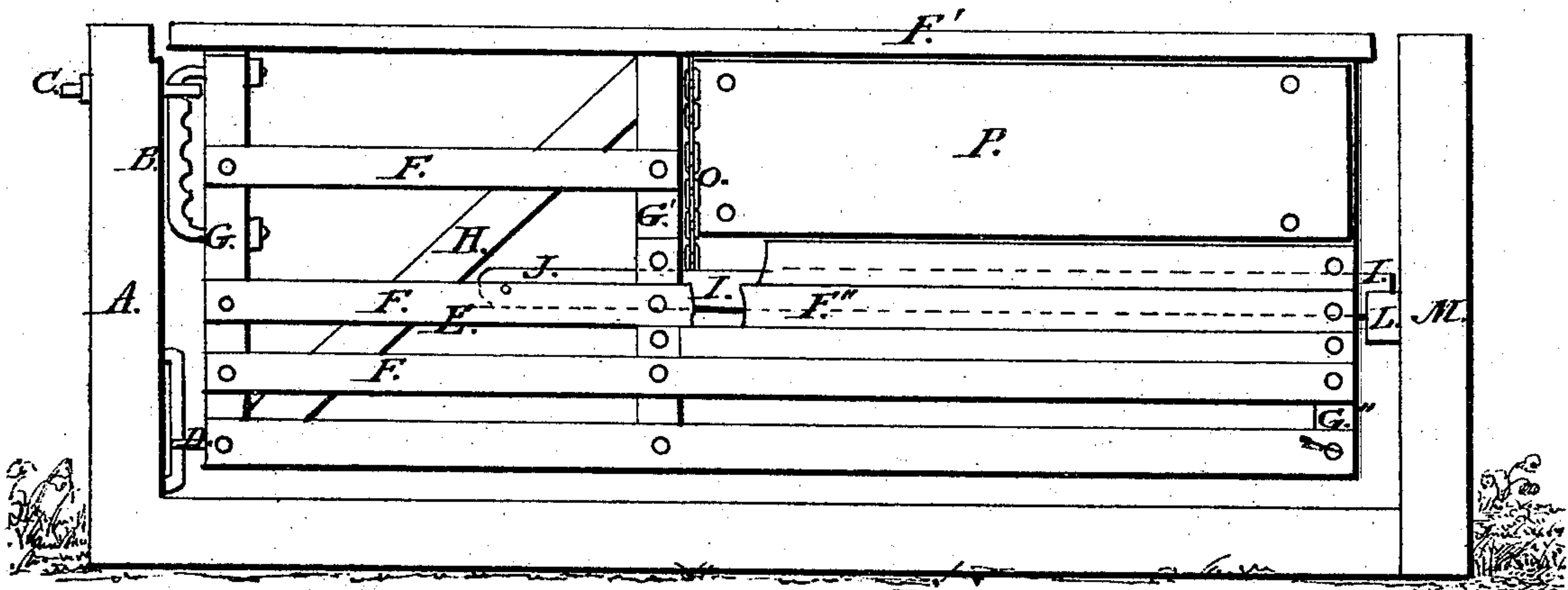


Fig. 2.

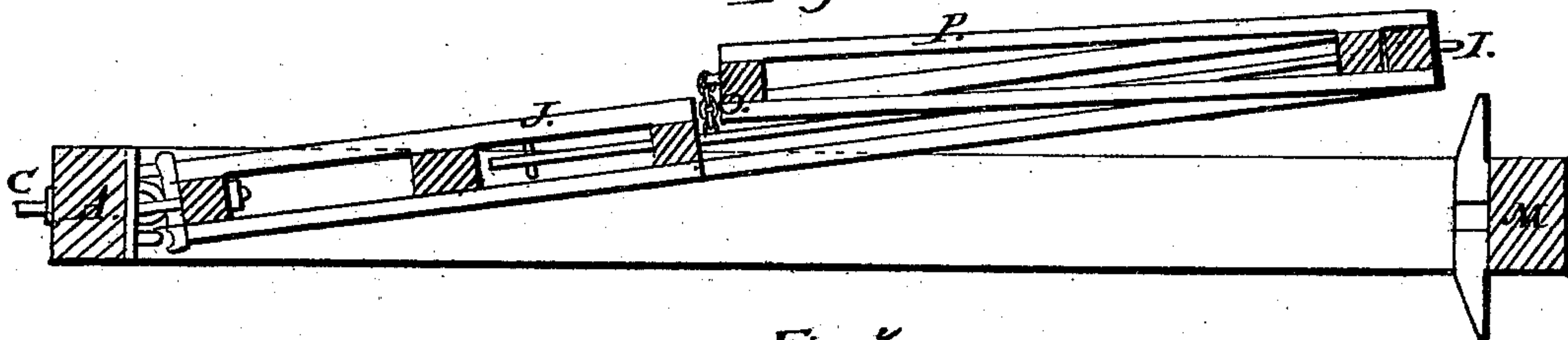
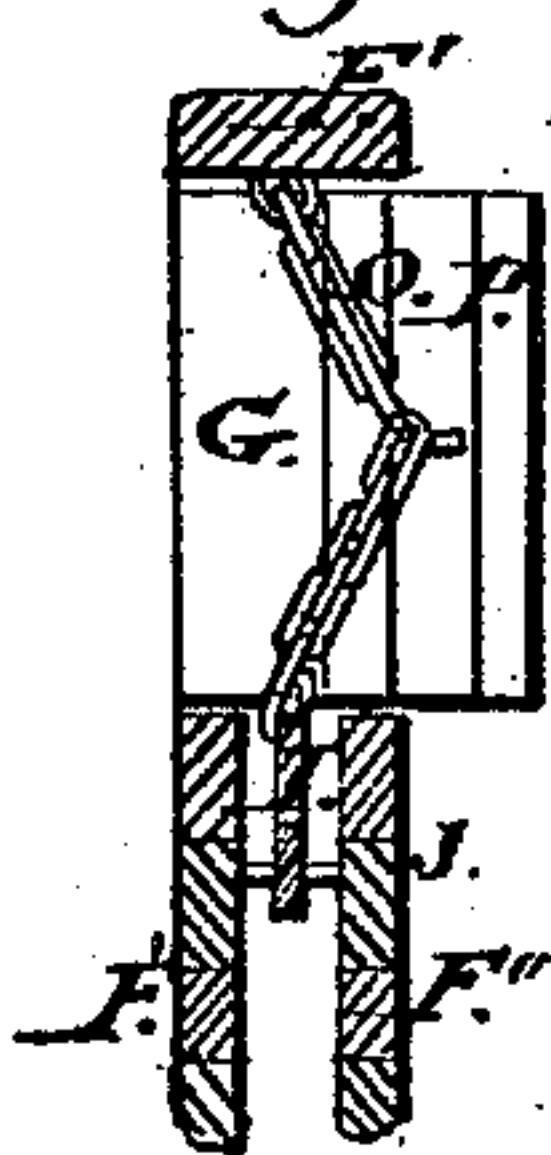


Fig. 3.



Witnesses:

H. D. Everts
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Atty.

United States Patent Office.

EDWARD HILL, CHARLES OSTRANDER, AND HORATIO A. SPINK,
OF BAINBRIDGE, MICHIGAN.

Letters Patent No. 88,569, dated April 6, 1869.

IMPROVEMENT IN FARM-GATES.

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

To whom it may concern:

Be it known that we, EDWARD HILL, CHARLES OSTRANDER, and HORATIO A. SPINK, of Bainbridge, in the county of Berrien, and State of Michigan, have invented a new and useful Improvement in Farm-Gates; and we do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, and being a part of this specification.

Figure 1 is a front elevation of our invention.

Figure 2 is a top view, with upper rail removed.

Figure 3 is a section.

Like letters refer to like parts in each figure.

The nature of this invention relates to an improvement in the construction of farm-gates, and consists in a double gate, so hung that its height from the ground may be readily adjusted, and provided with a new, novel, and peculiar apparatus, by means of which the gate is opened by the team passing through it.

A, in the drawings, represents a suitable post, to which is secured, by the bail B and eye-bolt C, the gate E.

The bail is notched, so that it may engage with the eye-bolt at any desired point, and it may be secured from disengagement with the eye-bolt by a wedge, or any other suitable device.

The eye-bolt passes through the post, and should be provided with a nut upon the back side of said post, by means of which the front end of the gate may be prevented from sagging.

The lower part of the gate is provided with the usual double bearing D, by means of which, when the gate is open, an inclination is given to it sufficient to compel it to seek its original position and close.

The gate E is constructed of timber, with rails, F, secured to each side of uprights G and brace H.

The front half of the gate should be nearly all covered, as shown in the drawings, and should be covered with metal plates to prevent abrasion of the wood.

I is a latch, pivoted at J, between two of the rails F, which, passing through appropriate slots in the uprights G, engages with the notched plate L, which is

secured to the post M, and thereby locks the gate when closed.

O is a chain, or other suitable device, one end of which is secured to the top rail of the fence, while the other is fastened to the latch I.

P is a vibrating panel, filling the space bounded by the two uprights G' and G'' and the rails F' and F'', and is pivoted, in any convenient manner, to the upright G''.

At its opposite end, this panel is connected by means of a ring, or other suitable contrivance, to the chain O, so that when the end of the panel is pushed either way, it will disengage the latch from the plate L and allow the gate to be opened.

To operate this gate, is very simple.

Being closed, the team is driven toward it, when the end of the pole, or shafts striking the vibrating panel P, moves it in the same direction in which the team is moving, and disengages the latch, when the further advance of the team compels the gate to open.

The ends of the whiffle-trees and the wheels of the wagon slide along the iron sheathing hereinbefore described, and hold the gate open until the team and wagon have passed, when the gate will close.

Should the outer or front end of the gate sag or droop, it may be brought to its original position by means of the nut on the eye-bolt, hereinbefore referred to.

What we claim as our invention, and desire to secure by Letters Patent, is—

1. The vibrating panel P, chain O, and latch I, or their equivalents, when constructed and operating substantially as and for the purposes specified.

2. In combination with the above-named parts, the gate E, secured to the post A, by the bail B and eye-bolt C, or their equivalents, when arranged and operating substantially as and for the purposes set forth.

EDWARD HILL.
CHAS. OSTRANDER.
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Witnesses:

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