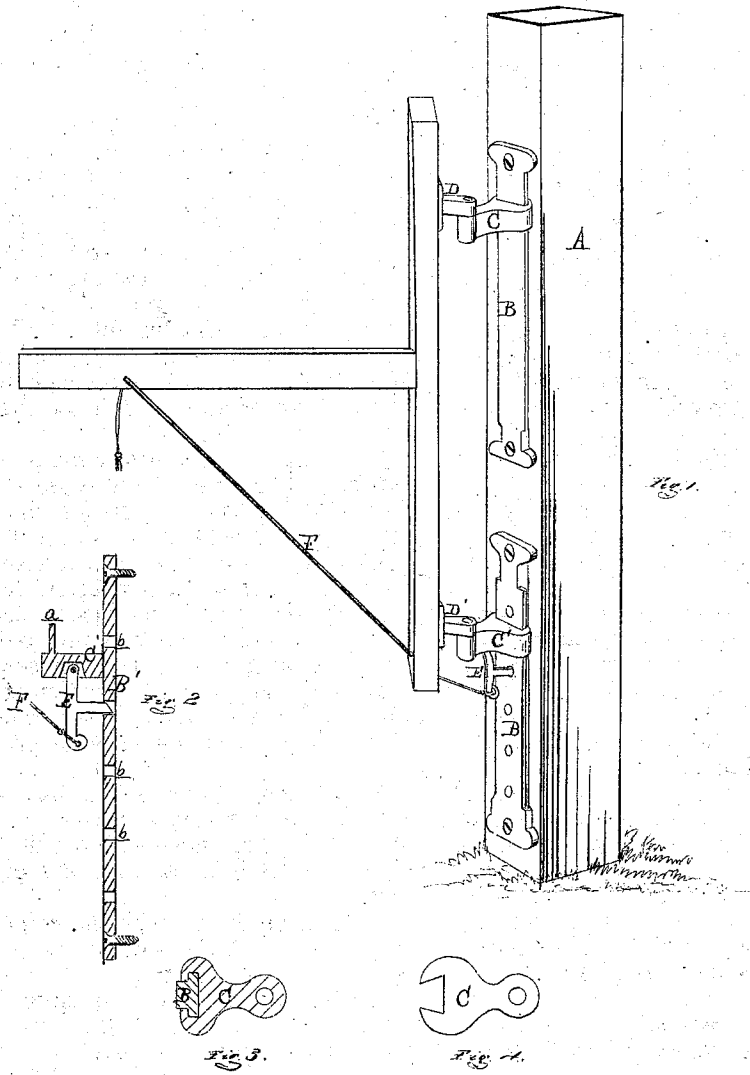


E. M. GEORGE.
Adjustably-Hinged Gates.

No. 136,149.

Patented Feb. 25, 1873.



ATTEST:

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INVENTOR:

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UNITED STATES PATENT OFFICE.

EMANUEL M. GEORGE, OF THREE RIVERS, MICHIGAN.

IMPROVEMENT IN ADJUSTABLY-HINGED GATES.

Specification forming part of Letters Patent No. **136,149**, dated February 25, 1873.

To all whom it may concern:

Be it known that I, EMANUEL M. GEORGE, of Three Rivers, in the county of St. Joseph and State of Michigan, have invented a new and useful Improvement in Gate-Hinges; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon and being a part of this specification, in which—

Figure 1 is a perspective view of my improved hinge attached to a gate-post, and a portion of a gate. Fig. 2 is an enlarged view of the bell-crank latch and guide-bar in cross-section. Fig. 3 is a view in cross-section of the guide-bar and hinge, and Fig. 4 is a similar view of a modification of the guide-bar and hinge.

Like letters refer to like parts in each figure.

The nature of this invention relates to an improvement in the construction of hinges more particularly designed to be employed in hanging gates. The object of the invention is to provide a means whereby the gate can be adjusted to various planes, so that it will clear any temporary obstructions. The invention consists in attaching to the gate-post suitable guide-bars, to which are adjusted pintles, which form part of the hinge; also, in providing one or both of said pintles with a bell-crank latch which, as the gate is raised or lowered, shall engage with suitable slots in the guide-bars, as is more fully hereinafter set forth.

In the drawing, A represents a gate-post, to which are rigidly attached the guide-bars B B' in the form shown. C C' are pintles, which embrace the guide-bars B B', respectively, each being provided with pins *a*, thus forming what is known as the "he-butt" of a hinge. D D' represent the other part of the hinge, which is securely attached to the stile of the

gate. To the under side of the lower pintle C' I hang or pivot a bell-crank latch, E, the point of which engages with one of the slots *b* in the guide-bar B' as the gate is raised or lowered, the bell-crank latch being operated by a cord or chain, F, running from it to a convenient point in the gate, as shown.

If it is deemed advisable, the upper pintle may also be provided with a bell-crank latch to operate in like manner, which, in large and very heavy gates, would lessen the strain upon the lower hinge.

By hanging a gate with a hinge constructed as above described it will be seen that it can be readily adjusted to various planes, so that it may be opened easily, and will clear any temporary obstruction, such as snow, and that it can be adjusted at a sufficient height to insure its not being frozen fast to the ground.

A gate hung in this manner would prove of great advantage to a stock-raiser, as it can readily be adjusted at a sufficient height to allow the smaller stock to pass under it, while it would prevent the passage of the larger head.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A hinge provided with a bell-crank latch, E, substantially as and for the purposes set forth.

2. In combination with the bell-crank latch E and pintle C', the slotted guide-bar B', for the purposes set forth.

3. The combination of the guide-bars B B', pintles C C', hinges D D', bell-crank latch E, and cord F, when the parts are constructed and arranged to operate substantially as set forth.

EMANUEL M. GEORGE.

Witnesses:

R. R. PEALE,
A. A. UDELL.