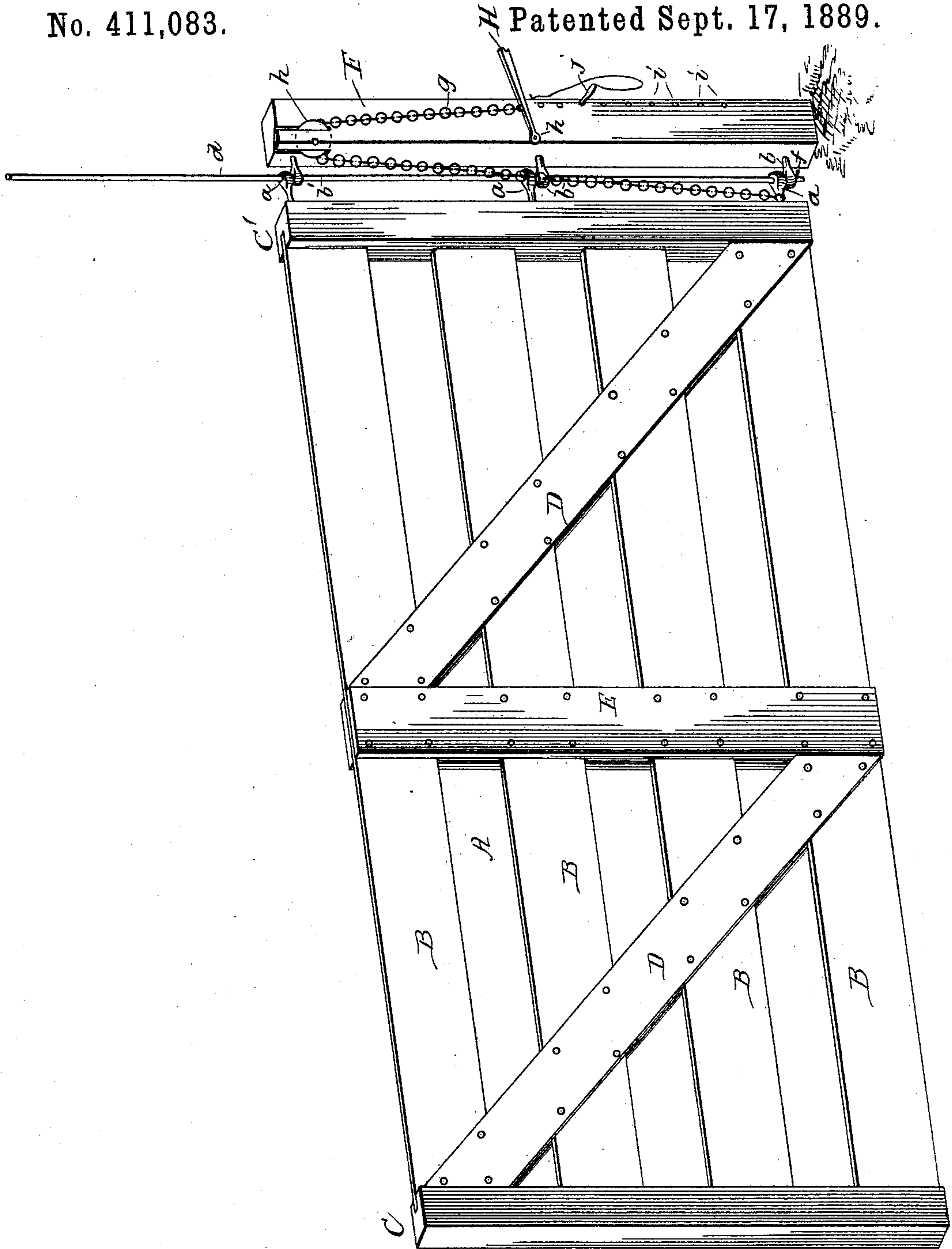


(No Model.)

B. L. ZIMMERMAN.  
FARM GATE.

No. 411,083.

Patented Sept. 17, 1889.



Witnesses  
J. S. Nye  
W. L. Nye

Inventor  
Byron L. Zimmerman  
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# UNITED STATES PATENT OFFICE.

BYRON L. ZIMMERMAN, OF BELLE CENTRE, OHIO.

## FARM-GATE.

SPECIFICATION forming part of Letters Patent No. 411,083, dated September 17, 1889.

Application filed June 25, 1888. Serial No. 278,205. (No model.)

### *To all whom it may concern:*

Be it known that I, BYRON L. ZIMMERMAN, residing at Belle Centre, Logan county, Ohio, have invented a new and useful Farm-Gate, of which the following is a specification.

My invention relates to farm-gates vertically adjusted.

The objects of my invention are to provide a hinge that will sustain any ordinary gate as long as the gate may last; to afford facilities for raising the gate above mud, ice, and such other obstructions as usually collect in the pathway of a gate, and for also permitting the passage of smaller stock under the gate, at the same time preventing large stock from passing through. I attain these objects by the mechanism and in the manner herein set forth and illustrated by the accompanying drawing, which is a perspective view of my gate and its hinge.

The gate A is made in the usual manner—that is, with slats B, mortised into frame-posts C C', and with braces D, running from the bottom of the rear post C' to a center post E and from the bottom of the center post E to the top of the forward frame-post C.

The hinge is made by inserting three gudgeons *a* at equal distances apart into the post C'. These gudgeons have round holes through their ends. There are also three similar gudgeons *b* inserted in the post F, upon which the gate swings. Through the holes in said gudgeons passes a steel rod *d*, secured by a shoulder resting on the lower gudgeon *b*, and a pin *f* beneath said gudgeon. This steel rod extends above the gate and post the distance there is between the gudgeons, and two inches

farther. The gudgeons that are inserted in the gate-frame rest on the gudgeons in the gate-post. This forms the hinge.

A chain *g*, of sufficient strength, is fastened to the lower gudgeon *a*. This chain passes up and over a small pulley *h*, fastened in the top of the gate-post, and then passes down to a lever H, one end of which is bolted to the gate-post at *h*. By lowering this lever the gate A is raised on the rod *d*, above described, and may be held in any position by inserting a pin *j* in a hole in the gate-post just above the lever. Holes *i* for this purpose are made in the post a convenient distance apart, so that the lever may be held after raising the gate to the height desired.

I am aware that prior to my invention above described there have been means invented to raise farm-gates so as to clear them of obstructions; but

What I claim as my invention, on which I desire to obtain Letters Patent, is—

The combination of a gate hinged, as shown, upon a vertical rod supported by its hinge-post, a pulley pivoted in a slot of said post, a chain passing over the pulley and connecting the lower hinge-eye of the gate with a lever fulcrumed upon the post, and a pin adjustable in a series of holes in the hinge-post to secure the lever in any position desired.

In testimony whereof I affix my signature in presence of two witnesses.

BYRON L. ZIMMERMAN.

Witnesses:

J. E. MERTZ.

HENRY PAUGH.