

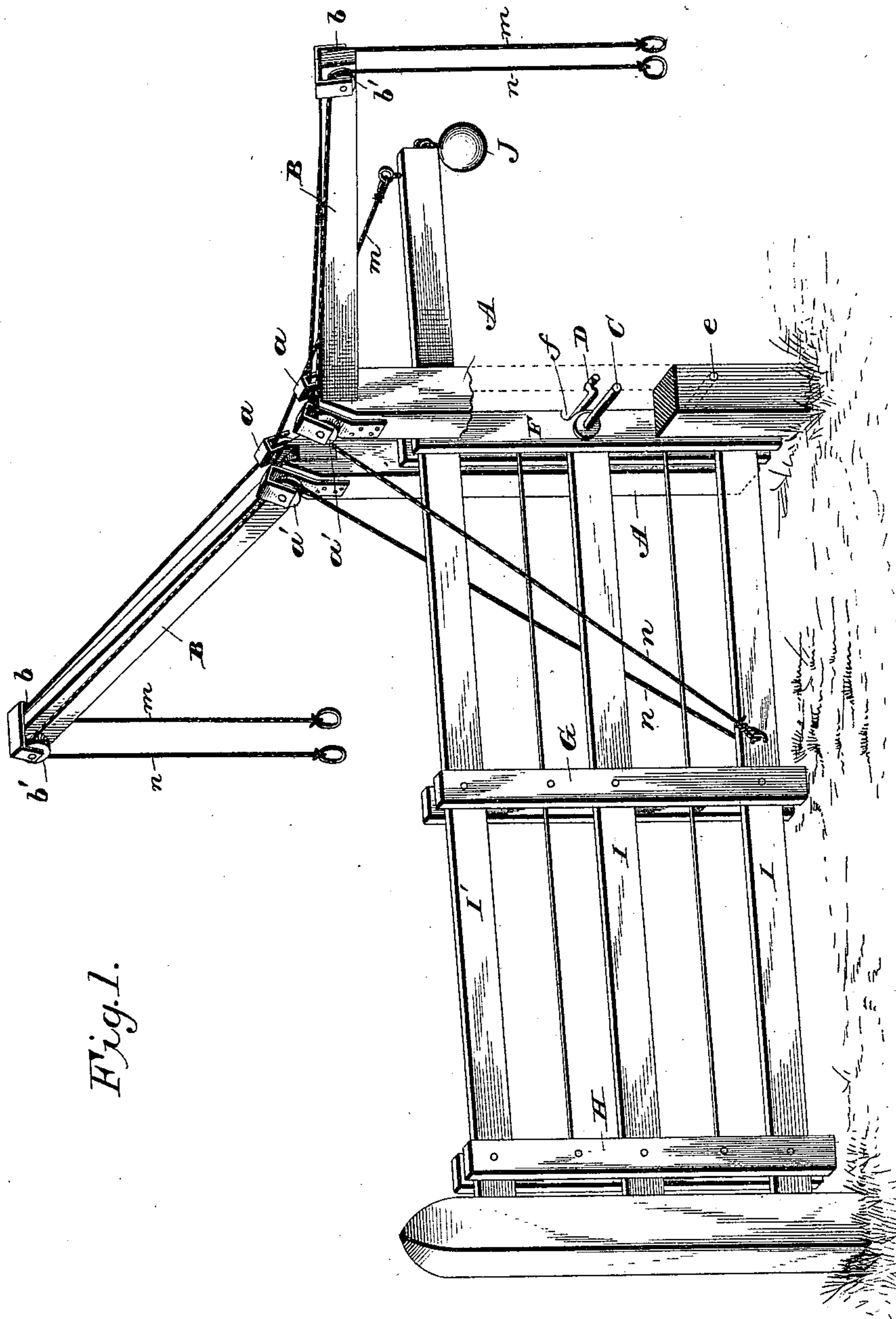
(No Model.)

2 Sheets—Sheet 1.

M. S. PIPER.  
TILTING GATE.

No. 438,560.

Patented Oct. 14, 1890.



*Fig. 1.*

*Myron S. Piper.*

Inventor

Witnesses

L. S. Elliott.  
E. M. Johnson

by

4 *[Handwritten signature]*

Attorney

(No Model.)

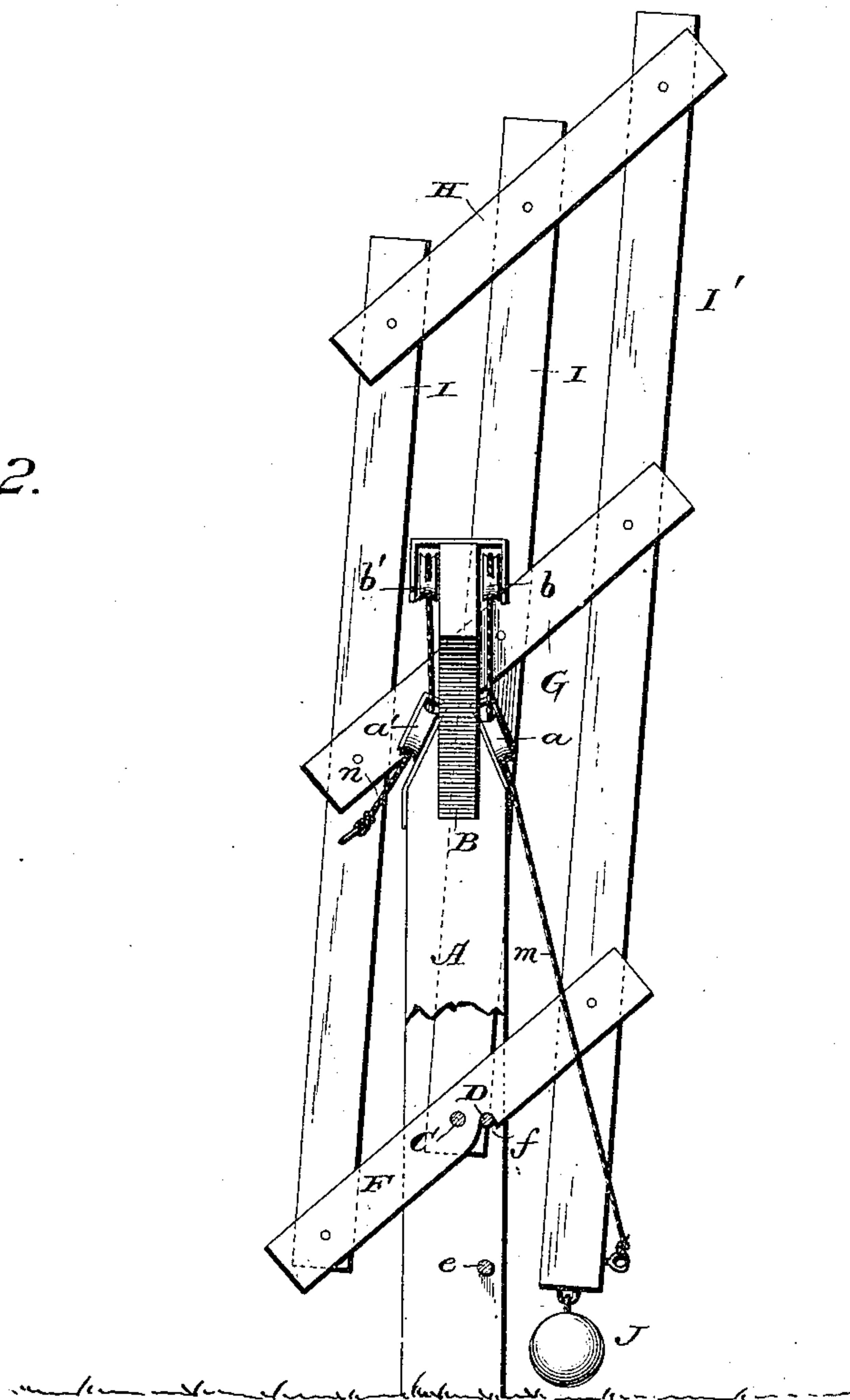
2 Sheets—Sheet 2.

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Fig. 2.



Myron S. Piper.

Witnesses

L. S. Elliott.  
E. M. Johnson

Inventor

By his Attorney

*[Signature]*



# UNITED STATES PATENT OFFICE.

MYRON S. PIPER, OF EMPORIA, KANSAS.

## TILTING GATE.

SPECIFICATION forming part of Letters Patent No. 438,560, dated October 14, 1890.

Application filed February 21, 1890. Serial No. 341,337. (No model.)

*To all whom it may concern:*

Be it known that I, MYRON S. PIPER, a citizen of the United States of America, residing at Emporia, in the county of Lyon and State of Kansas, have invented certain new and useful Improvements in Tilting Gates; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in tilting gates; and it consists in the construction and combination of the parts, as will be hereinafter fully set forth, and particularly pointed out in the claim.

In the accompanying drawings, Figure 1 is a perspective view partly broken away. Fig. 2 is a side view showing the gate raised.

A A refer to the posts between which the gate is hung, these posts carrying upwardly and outwardly inclined arms B B, the ends of which are provided with rollers, over which cords pass for operating the gate. The upper ends of the posts A A are beveled and have inclined rollers *a* and *a'* secured thereto. The rollers are supported in suitable housings and have grooved faces. At about the center of the gate and passing through the posts A A is a bolt C, which serves as a pivot for the gate, and at a point nearly opposite this pivot-bolt is a bar D, against which the gate abuts when raised, as will be hereinafter set forth. Below the bolt C and on a vertical line with the bar D is a transverse bar *e*, against which the rear edge of the end battens of the gate abut when the gate is in a horizontal or lowered position.

The gate is made up of battens F, G, and H, which are secured in pairs on each side of the rails I by means of bolts or other connections, so that the rails can have a pivotal movement upon the bolts, and the battens will be at right angles with the rails when the gate is in a horizontal position and at an angle therewith when the gate is raised, in order to give as much space as possible between the gate-posts when the gate is elevated.

The battens F F, through which the bolt C passes at a slight distance above said bolt, are provided with notches *f*, which engage with the bar D and prevent the rails of the gate from moving beyond a vertical position. These notches also serve to relieve the pivot-bolt of the part of the weight of the gate. When the gate is lowered, the edges of these battens will abut against the bar *e*.

The upper panel I' of the gate is extended, as shown, and has a weight J, and adjacent to the weight is secured an eyebolt, with which the pairs of operating-cords *m m* are connected, said cords passing over the pulleys *a* and *b*, the ends depending, to be within easy grasp of a person in a vehicle. Cords *n* are secured to the lower rail of the gate adjacent to the battens G and pass therefrom to the pulleys *a'* and *b'*, and by simply drawing upon these cords *n* the gate is elevated and can be returned to its normal or closed position by drawing upon one of the cords *m*.

With a gate thus constructed when raised there is no sudden jar, as it is taken up to a great extent by the movement of the rails on the battens.

If desired, wires may be used between the rails.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination, with the supporting-posts A A, having a pivot, of a gate made up of rails I I I I' and vertical battens F G H, the battens F being between the posts A and pierced by the pivot to permit the movement of the gate thereon, lower and upper bars or stops *e f*, the former limiting the downward movement of said battens F and the latter being adapted to enter a notch therefor in said battens when the gate is elevated to form a rest to retain the gate in such elevated position, together with pulleys located on the posts, and operating-cords connected to the gate and passing over said pulleys, substantially as set forth.

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

MYRON S. PIPER.

Witnesses:

J. JAY BUCK,  
O. J. RUSSELL.