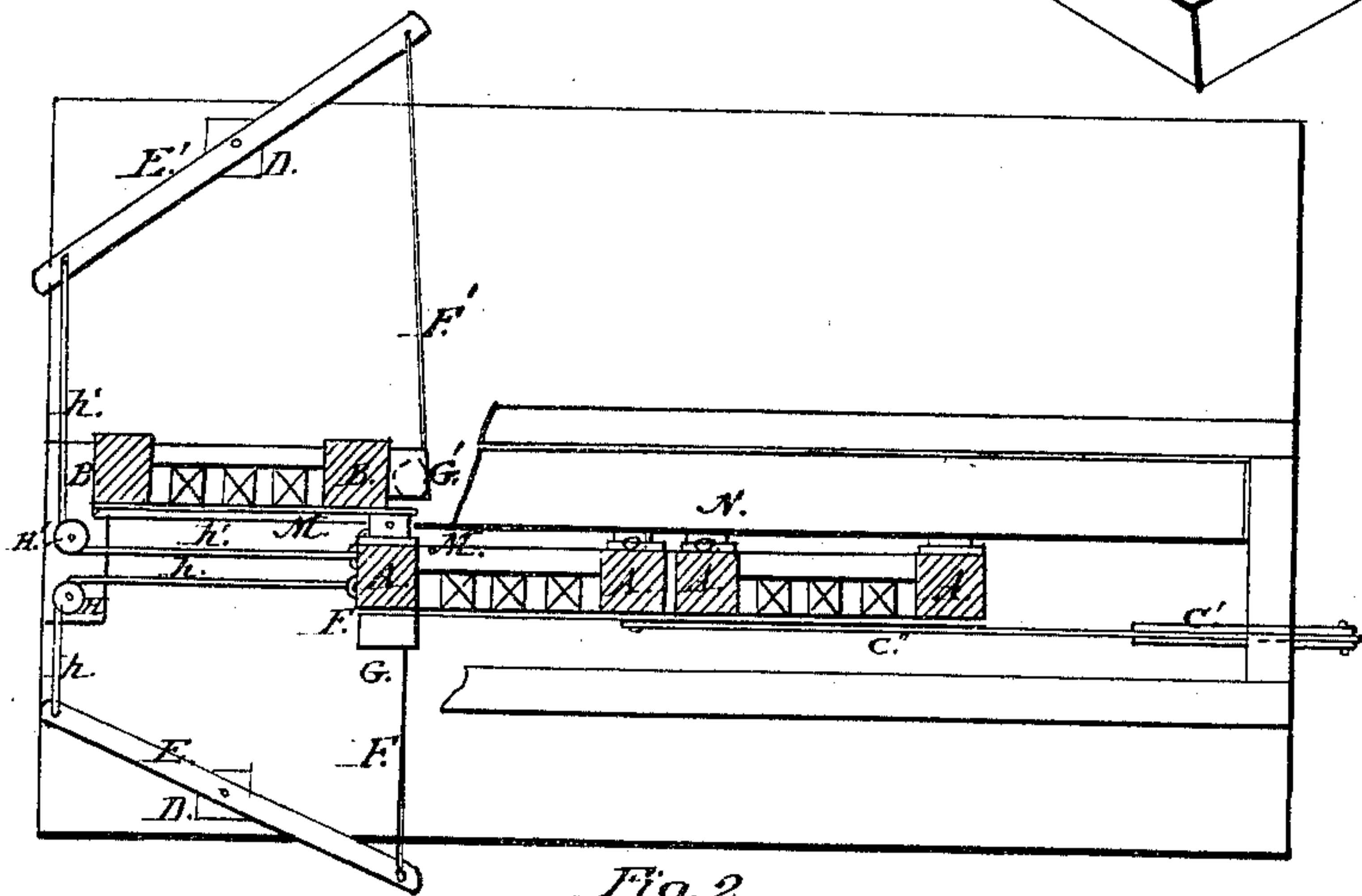
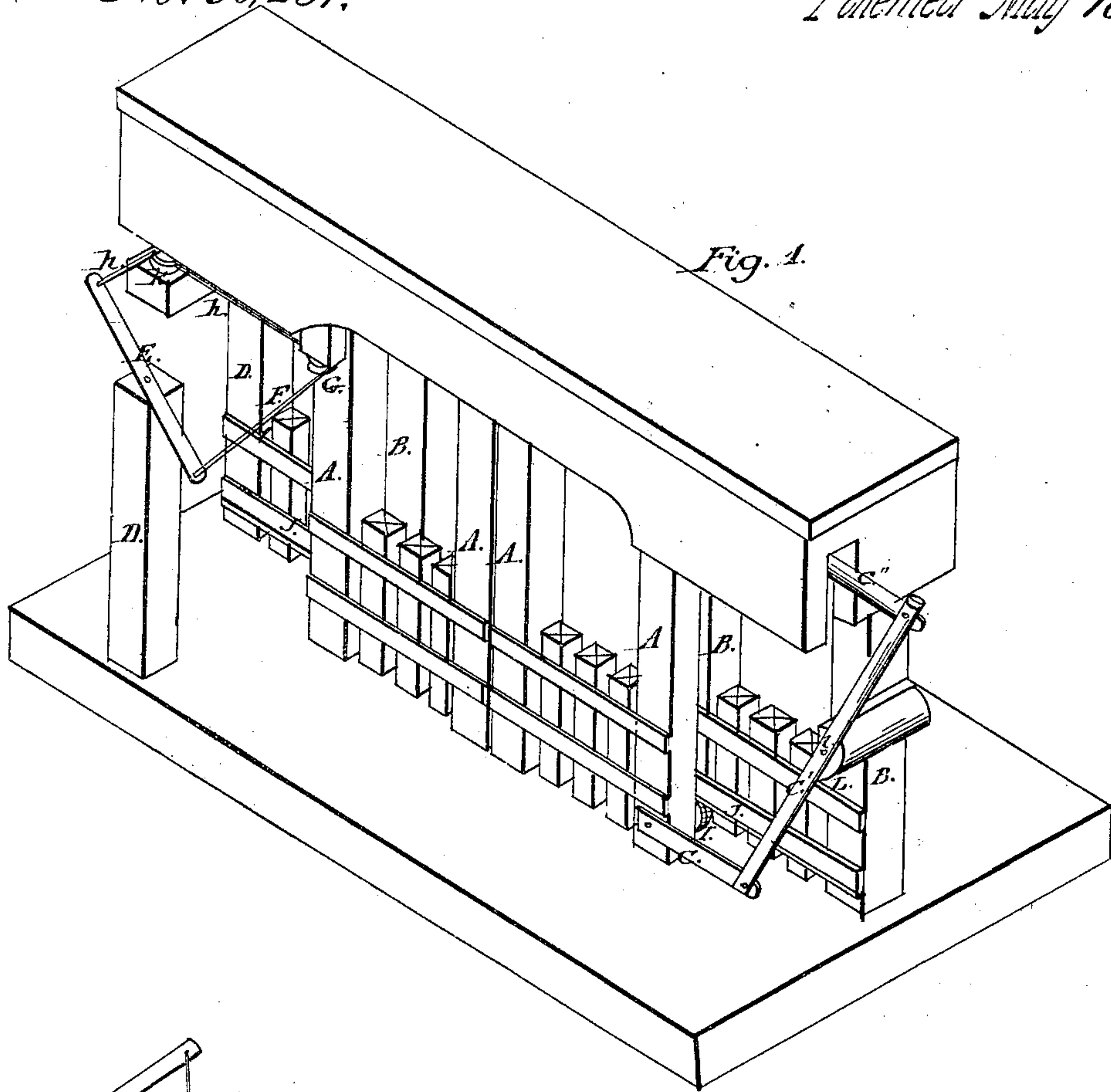


H. P. Haskin,

Gate.

No. 30,261.

Patented May 18, 1869.



Witnesses:
Dewey C. Brown
H. V. Deuborn.

Inventor:
Henry P. Haskin

United States Patent Office.

HENRY P. HASKIN, OF ROSCOE, ILLINOIS.

Letters Patent No. 90,261, dated May 18, 1869.

IMPROVEMENT IN GATES.

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

To all whom it may concern:

Be it known that I, HENRY P. HASKIN, of Roscoe, Winnebago county, in the State of Illinois, have invented certain new and useful Improvements in the Mode of Operating Gates; and I do hereby declare the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains, to make and use my said invention, or improvements, without further invention or experiment.

The nature of my invention and improvements consists in the manner, hereinafter described, of manipulating a double carriage-gate, by the employment, or use of horizontal levers, which are operated from the carriage or saddle, without even coming to a standstill in passing through the gate.

In the drawings—

Figure 1 is a perspective view of the gate, complete

Figure 2 is a vertical view of the gate, having the cap, or roof removed.

Similar letters of reference indicate like parts.

B represents the frame of the gate.

A, the gates.

C are pivoted levers, connecting the two gates, the one at the bottom, and the other at the top.

The vertical part of the levers marked C' is pivoted about centrally to the piece L, which is rigidly fixed to the post B.

The foot of the said vertical part has a short piece, or lever, C, one end of which is pivoted thereto, and having the opposite end thereof pivoted to the outer post A of the right-hand gate, near the foot thereof.

The upper horizontal part of the said lever C' has its right-hand end pivoted to the upper end of the said vertical part of said levers C'.

The opposite end of said horizontal bar, or lever C'', is pivoted to the right-hand post A of the left-hand gate, near the top thereof, as shown in fig. 2.

The cords *h h* of the horizontal levers E are attached to the outer post A of the said left-hand gate, near the top thereof, as shown, so that by imparting a forward motion to the inner end of the said lever E, the cords *h h* are drawn outward, (to the left,) revolving

the pulleys H in the same direction, and drawing the said left-hand gate open.

The said horizontal part C'' of the levers C' being carried with it in the same direction, rotates the vertical part of said lever C', the foot of which, being secured to the right-hand gate, as stated, carries it in the opposite direction.

The gates are thus opened, and are closed by reversing the operation of the said levers E, at either approach to the gate.

The lower ends of the standards B are set in the ground, sufficiently deep to form a rigid frame-work, for supporting the gates A, including the whole superstructure, with all the parts herein described.

The cords F are attached, by their outer ends, to the inner ends of the pivoted levers E, passing about one-half around the horizontal pulleys H, by grooves in the peripheries thereof, and having the inner ends of said cords F secured to the post A of the left-hand gate.

The outer ends of the cords *h* are attached to the outer ends of said pivoted horizontal levers E, and passed about one-half round similar horizontal pulleys H, the inner ends of which cords are also made fast to the said post A of the said left-hand gate, as shown in fig. 2.

By actuating the said levers E, it will be plainly seen that the gates will be opened and closed, according to the direction imparted to the said levers, as set forth.

The pulleys, or grooved wheels O O, are pivoted loosely to the inner upper ends of the posts A of the gates, and travel on the vertical edge of the track M, when the gates are moved in opening and closing, and are held in position on said track M, by the guide-plate N, all as shown in fig. 2.

I claim, broadly, the arrangement and employment of the levers E, cords or chains, and pulleys F *h* and G H, substantially as and for the purposes specified.

HENRY P. HASKIN.

Witnesses:

DEWEY C. BROWN,

H. P. DEARBORN.