

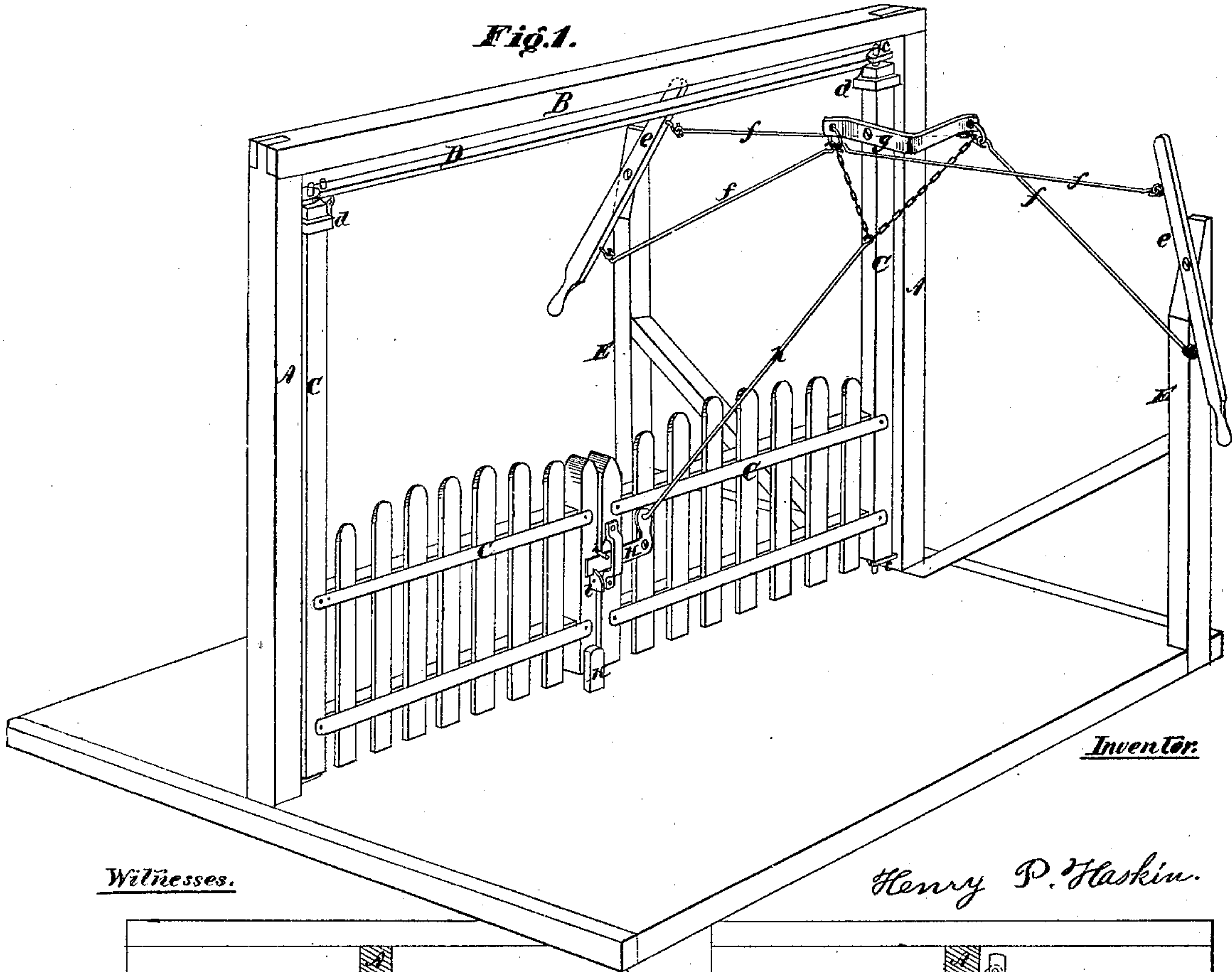
H. P. Haskin,

Gate.

No. 113657.

Patented Apr. 11. 1871.

Fig. 1.

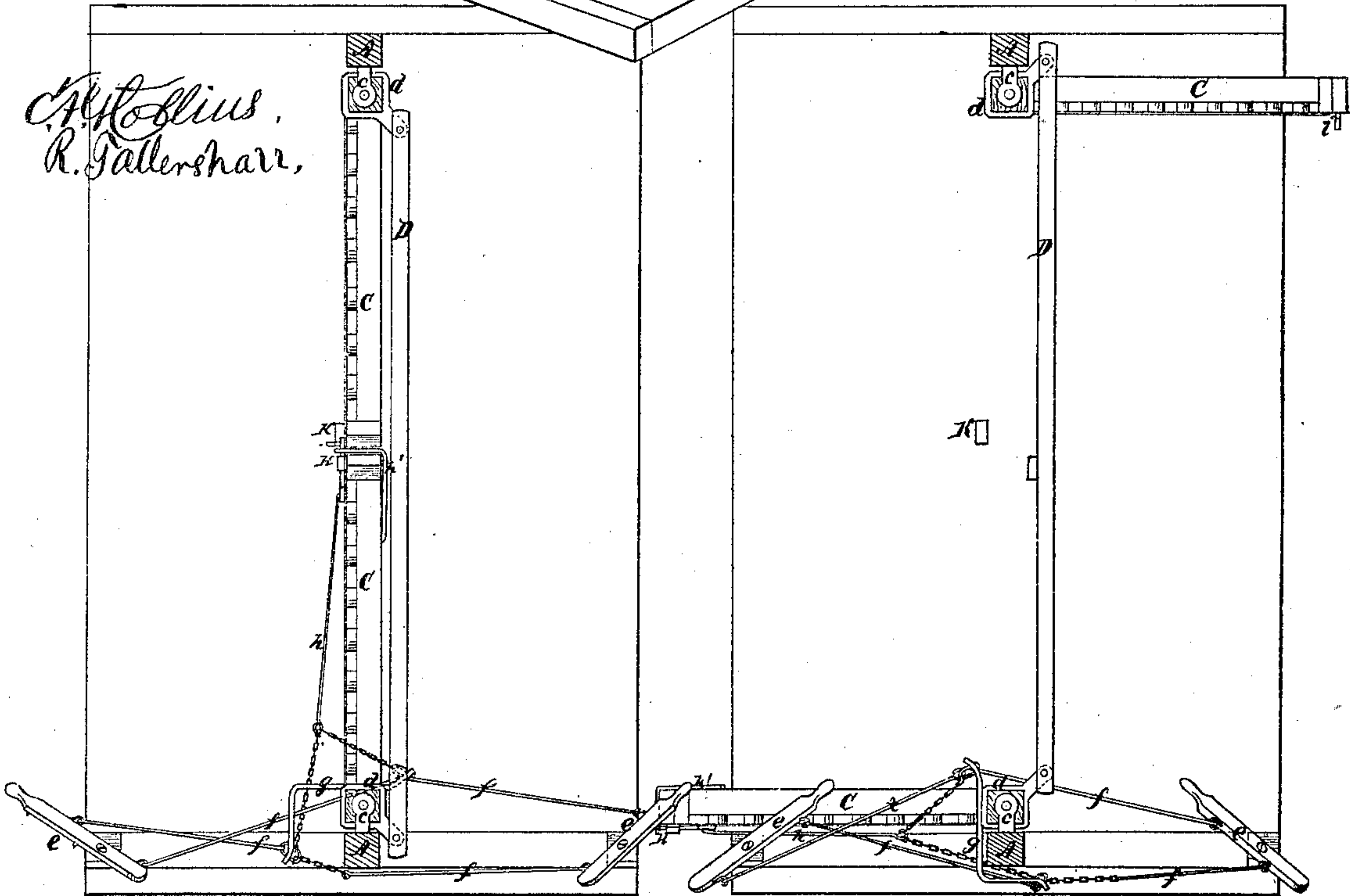


Inventor.

Witnesses.

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United States Patent Office.

HENRY P. HASKIN, OF ROSCOE, ILLINOIS.

Letters Patent No. 113,657, dated April 11, 1871.

IMPROVEMENT IN FARM-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, of Winnebago county, in the State of Illinois, have invented certain new and useful Improvements in the Construction and Manner of Operating Farm-Gates; and I hereby declare the following description and accompanying drawing 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 construction and arrangement of a double gate, intended to be operated from the carriage or saddle by means of the peculiar mechanism shown in the drawing herewith, in which—

Figure 1 is a perspective view thereof;

Figure 2 is a top view or vertical section of the same with the cap B removed; and

Figure 3 is a similar view showing the position of the gates when open, and exhibiting the mechanism by which they are operated.

Similar letters of reference indicate corresponding parts.

In the drawing—

A A B represent the frame of the gate-way.

O O are the gates, the heel-posts of the frame thereof being pivoted at the top and bottom, and hung or hinged by suitable bearings to the posts A A so as to rotate freely on their axis, as shown.

E E are posts set at suitable distance from the gate-way at either approach thereto, to which are pivoted, at an angle, the oscillating levers *e e*, provided with rods, chains, or wires *f f*, for the purpose of operating the gates, as shown.

The rods attach to the oscillating levers *e e* and transversely to the crank-lever G, secured to the heel-post of the right-hand gate, as shown, and to the chain connected to said crank-lever.

The said right-hand gate is provided with a pivoted L-shaped latch, H, the vertical end of which is connected by a rod or wire, *h*, to the lower angle of the chain above mentioned.

K K are short centrally-placed posts for securing the gates firmly in position when closed, and D is a bar or rod, suitably pivoted to the arms of the cranks *d d*, provided or placed at the top end of the heel-post of each gate, as shown—thus, when the gates are operated, producing a rotary motion of the left-hand gate, reciprocating with but transverse to the right-hand gate.

The gates are operated by carrying forward the oscillating lever *e* by the handle at the front approach to the gate, when the gates will open to the right and left freely without noise, and the same from either approach, and are closed by reverse action at either of the aforesaid oscillating levers, the latch H being first disengaged by tension of the rod *h*, effected by the rods *f f*, actuated by the said oscillating levers *e e*, as shown.

It will be seen that this gate cannot be forced open by stock, and the effect of the severest gale of wind is neutralized by the transverse rotating of the gates.

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

1. The connecting-bar D and cranks *d d*, for the purpose of opening and closing the gates in opposite directions, as shown and described.

2. The arrangement of the oscillating levers *e e*, transverse rods *f f*, and crank-lever G, provided with the aforementioned chain, rod *h*, and latch H, as and for the purpose set forth.

HENRY P. HASKIN.

Witnesses.

R. TATTERSHALL,
G. E. HAWLEY.