M. L. Salyards,

Automatic Gate,

No. 63,103. Patented Mar. 19, 1867.

Fig: 1

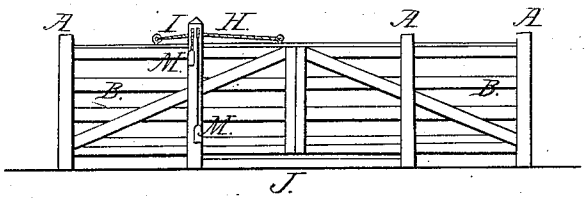


Fig: 2.

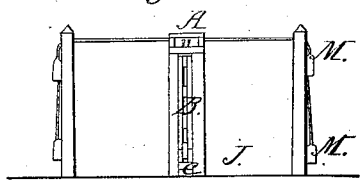


Fig: 5.

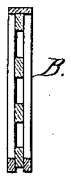


Fig: 4.

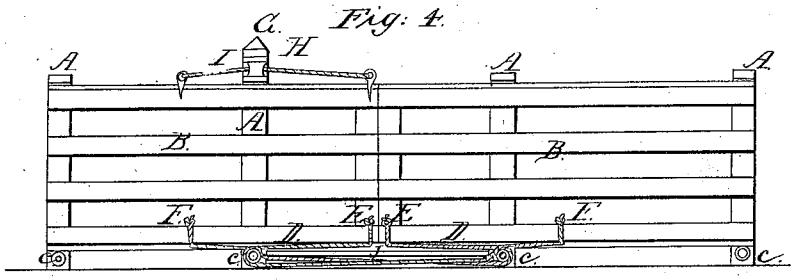
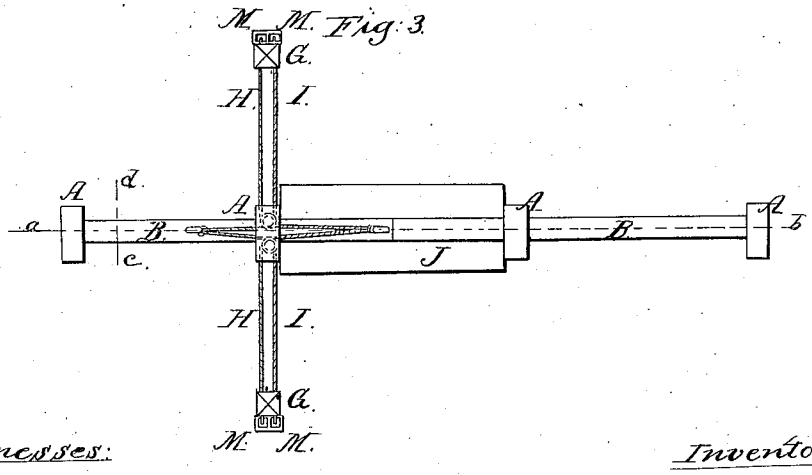


Fig: 3.



Witnesses:
E. Rose
H. Hale

Inventor:
M. L. Salyards.

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

M. L. SALYARDS, OF TROY GROVE, ILLINOIS.

IMPROVEMENT IN FENCE-GATES.

Specification forming part of Letters Patent No. **63,103**, dated March 19, 1867.

To all whom it may concern:

Be it known that I, M. L. SALYARDS, of Troy Grove, in the county of La Salle, in the State of Illinois, have invented a new and Improved Fence-Gate; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in constructing a fence-gate in such a manner that a man driving a team need not come down to open the gate, but, on the contrary, can, from his position on the wagon or on horseback, open the gate by pulling a rope, and, after having passed through, close it again by the same process.

My invention also consists in constructing said fence-gate in a novel manner, whereby it is made double, and both parts moving at the same time and by the same operation.

Figures 1 and 2 are vertical plans. Fig. 3 is a horizontal plan enlarged. Fig. 4 is a vertical section through *a b*. Fig. 5 is a vertical section through *c d*.

I construct a series of double posts, A A A A, planted into the ground in such a manner as to leave between the two inner ones the space which it is desired the opening of the gate shall be. These posts A A A A are made double, for the purpose of leaving a space for the gates B B to slide in. They are also provided, below and near the ground, with a series of rollers, C C C C, on which the gates B B roll in and out. Directly in the opening or passage-way, and between the two gates B B, is made a communication of ropes, D D, fastened alternately to one gate, at the point E, then passing around a roller, C, then fastened to the other gate at the point F. This arrangement of the ropes D D has for effect that the moving of one of the gates B B will always cause the moving of the opposite gate in the opposite direction. Two posts, G G, are planted at such distances from the gate that a man sitting on a wagon can reach the ropes H H and pull either one of said ropes, thus opening the gates B B. After having passed through, said person, by pulling either one of the ropes I I, can close the gates B B effectively.

The ropes D D are protected from the weather and from passing teams by a wooden casing, J, which incloses said ropes D D.

Four weights, M M M M, are provided to take up the slack of the ropes H H and I I.

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

1. The peculiar arrangement of the ropes D D, in combination with the gates B B, substantially as and for the purpose described in the foregoing specification.

2. The peculiar arrangement of the ropes H H and I I, in combination with the gates B B, substantially as and for the purpose described.

3. The posts G G and weights M M M M, in combination with the gates B B, substantially as and for the purpose described.

4. The rollers C C C C, in combination with the gates B B, substantially as and for the purpose described in the foregoing specification.

M. L. SALYARDS.

Witnesses:
E. ROSE,
H. HISE.