

J. R. BROTT.
SWINGING-GATE.

No. 190,186.

Patented May 1, 1877.

Fig. 1.

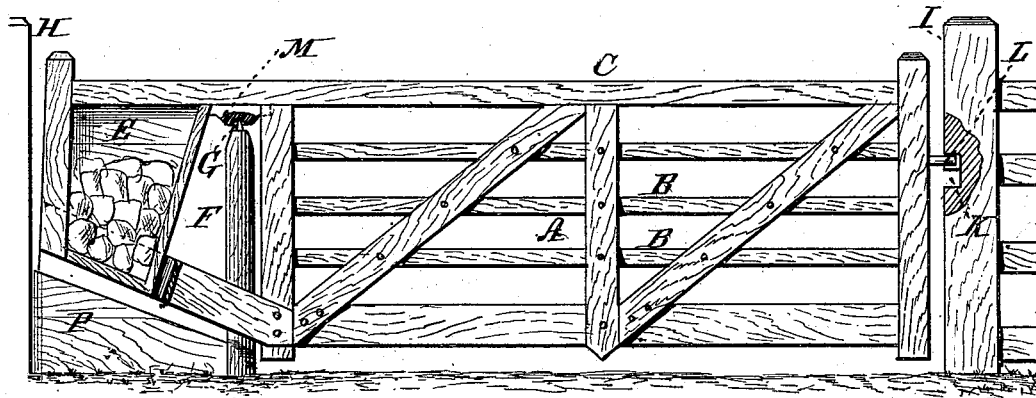
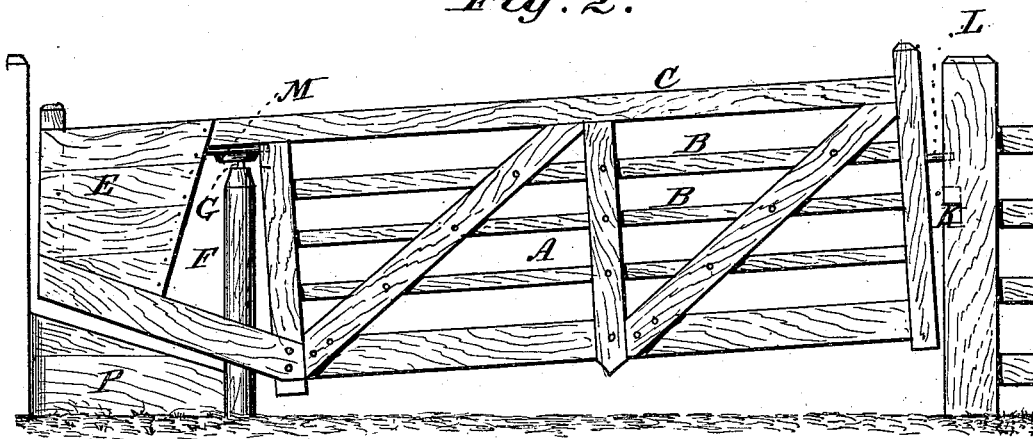


Fig. 2.



Attest:
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IMPROVEMENT IN SWINGING GATES.

Specification forming part of Letters Patent No. **190,186**, dated May 1, 1877; application filed February 21, 1877.

To all whom it may concern:

Be it known that I, JOHN R. BROTT, of Seneca, in the county of Seneca, and State of New York, have invented certain new and useful improvements in Self-Balancing Gates, of which the following is a specification:

This invention relates to certain improvements in the construction of gates, its object being to dispense with the use of hinges, and provide a gate mounted upon a single bearing or pivot, so counterbalanced on said bearing or pivot that it may be readily swung into any desired position in order to be opened and closed.

My invention consists of a gate composed of slats or timber rigidly secured together, the upper timber or beam of which projects or extends some distance to the rear of the gate proper, and serves to support the upper part of a closed receptacle, in which weights for counterbalancing the gate may be secured, the lower part of said receptacle being provided with braces or extensions projecting forward and straddling a standard set in the ground, upon which the gate is pivoted, as more fully hereinafter set forth.

In the accompanying drawings, Figure 1 represents a side elevation of my improved gate, partly in section, the gate being closed. Fig. 2 is a similar view, in full lines, showing the gate partly opened.

In the drawings, the letter A represents the gate proper, composed of timbers or slats B, of any suitable size and construction, and a top beam, C, which forms the upper part of the gate. Said top beam is made somewhat longer at the rear than the gate proper, and to said projecting portion of the beam is secured the upper part of a box-like receptacle, E, the upper part of the beam forming the top of said receptacle. The sides of the said receptacle at their lower edges are extended forward, and are attached to the lower end of the gate proper, forming braces, by means of which the receptacle is securely and strongly connected to the gate, and leaving a space into which the standard, upon which the gate is supported, projects. The letter F represents said standard set in the ground, which

consists of an upright post with a pin or pivot, G, at the top, said post being located a sufficient distance from the fence-post H to enable the weight-receptacle to swing clear thereof. The letter I represents the opposite fence-post, in which the gate locks, being provided with a slot and recess, K, into which the pin L of the gate is adapted to catch; but, of course, any other fastening may be employed.

That portion of the upper beam of the gate between the gate proper and weight-receptacle is provided with a plate, M, with a recess which sets over the pin or pivot in the upright standard or support, when the gate is in place.

The receptacle is intended to be filled with stones, or other weights, for counterbalancing the gate proper, and for this purpose is provided with a detachable plate or plates, O, the receptacle being properly filled before being set in place.

In order to prevent the collection of snow and rubbish under the weight-receptacle, and to prevent the passage of small animals when the gate is closed, an inclined board, P, is secured below said receptacle to the support or standard and the gate-post.

I claim—

1. In combination with the gate proper and the upper beam thereof, the weight-receptacle, secured to said beam, and provided with braces at its lower end, straddling the standard upon which the gate is pivoted, and secured to the lower portion of the gate proper, substantially as herein set forth.

2. In combination with the weight-receptacle of a gate and the supporting-standard and fence-post, the board P, for preventing the accumulation of snow or dirt below the receptacle, or the passage of small animals under the same, substantially as set forth.

In testimony that I claim the foregoing, I have hereunto set my hand in the presence of the subscribing witnesses.

JOHN R. BROTT.

Witnesses:

ALBERT H. NORRIS,
W. T. HUTCHINSON.

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