

Simon Veeland Farm Gate

No. 92914

Patented July. 20. 1869

Fig. 1.

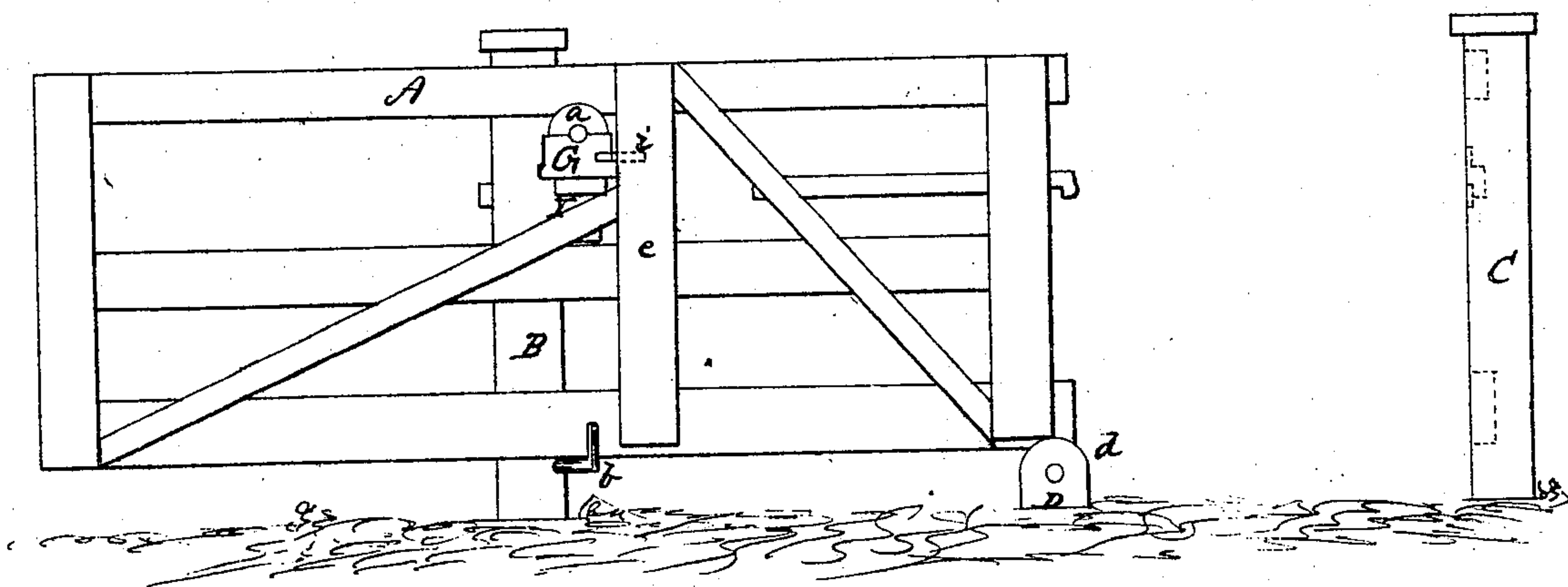
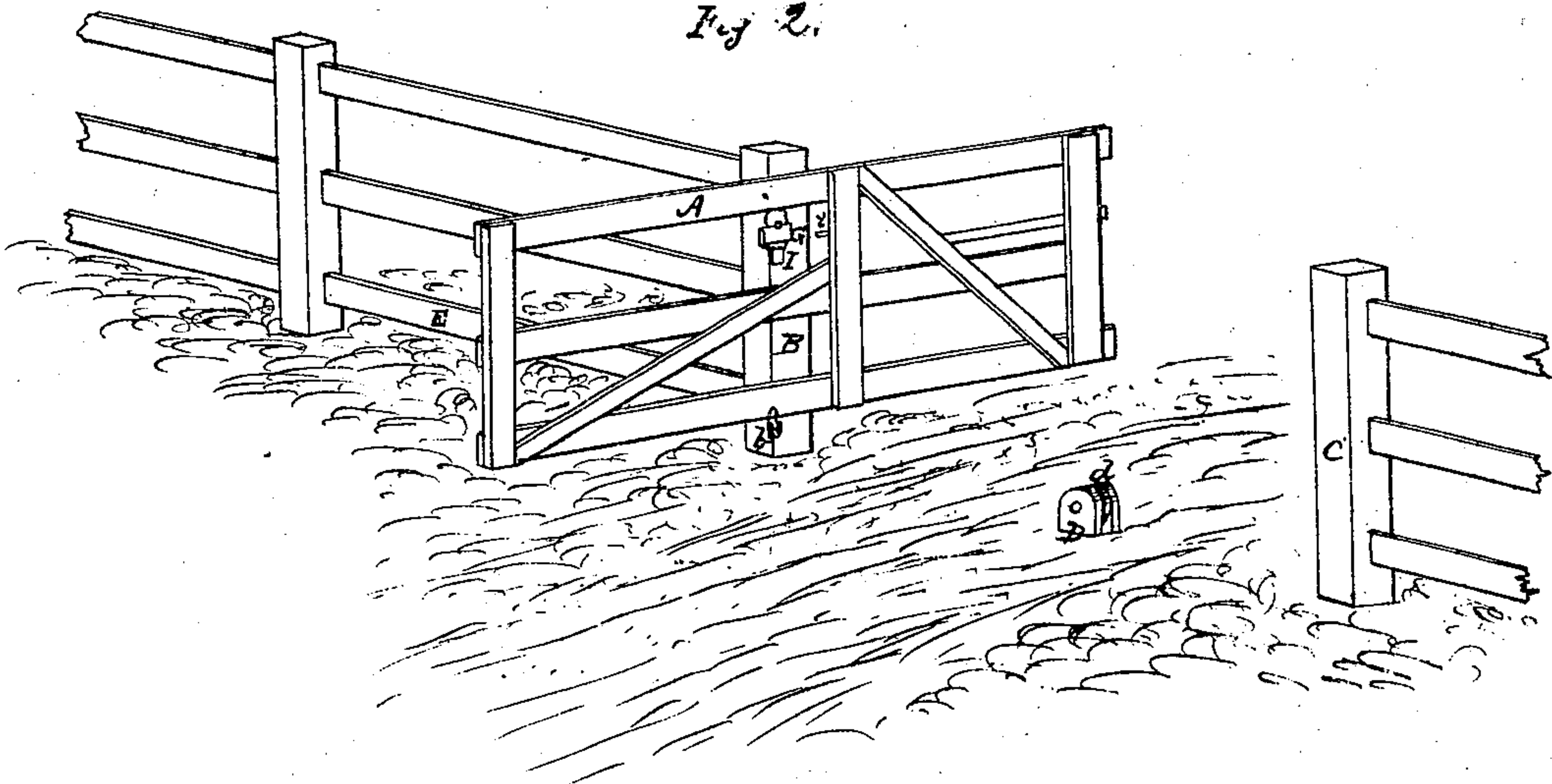


Fig. 2.



Witnesses
Chas H Poole
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United States Patent Office.

SIMON VREELAND, OF CUBA, NEW YORK.

Letters Patent No. 92,914, dated July 20, 1869.

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, SIMON VREELAND, of Cuba, in the county of Allegany, and State of New York, have invented a certain new and useful Improvement in Farm-Gates; and the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 represents a side view of the gate partly open, and supported on the stationary flanged roller near the centre of the whole space for opening.

Figure 2 shows a perspective view of a section of fence, with the gate swung round wide open, showing the flange, roller-hinge, steadying-pin, and hook, on which the gate is supported to operate.

My invention consists in the construction of the hinge, on which the flanged friction-roller is placed, for the gate to be moved laterally on until it is balanced, and the pin in the gate which locks into the hinge, to support and steady the gate when combined with the hook under the bottom rail, and the stationary flanged friction-roller, to support the gate in a line until it balances.

To enable others to make and use my improvements, I will describe them more fully, referring to the drawings and the letters thereon.

The gate A is made like any ordinary board-fence gate, with three or more rails parallel to each other, placed at suitable distances apart, and secured together by posts or cleats, three in number, with the necessary braces.

The gate-posts B and C are set firmly in the ground, or otherwise, at the required distance apart.

About midway between the gate-posts B and C, I place a short stump or post, D, in which is a friction-roller, *d*, with flanges on its edges, leaving the width between the flanges the thickness of the bottom rail.

The roller *d*, being on a line with the fence E, supports the gate A, when partly open, from being swayed

or moved by the wind or other cause, and aids very materially in opening and closing the gate, as there is no lifting or carrying to be done.

In the corner of the post B, under the bottom rail, is driven a metal hook, *b*, which steadies the bottom of the gate, and holds it up snugly to the post when either closed or open.

The main hinge G, on which the gate is balanced for turning to open to its fullest capacity, is constructed with a socket, I, and strong bar, which is put angle-ways through the upper portion of the gate-post B.

Into the socket I is fitted the stem of the hinge G, which is provided with a flanged friction-roller, *a*, for the top rail of the gate to rest and move laterally on.

In the middle cleat *e* is a pin, *i*, placed in such a position that when the gate is partly open, and moved to the balancing-point on the roller *a*, the pin *i* will lock on to the top of the recess in the hinge G, and hold the gate as steady, while it is swung round to open, as if it were hung or fixed on stationary hinges.

Thus, it will be seen that all of the most objectionable difficulties experienced in other sliding and turning farm-gates, are obviated by my simple-constructed roller-hinge and connecting-pin and central fixed roller.

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

The flanged friction-roller hinge G, as constructed in combination with the pin *i* to lock into it, the steadying-hook *b*, and stationary flanged roller *d*, all arranged to operate substantially as and for the purposes set forth.

In testimony whereof, I hereunto subscribe my name, in the presence of—

SIMON VREELAND.

Witnesses:

J. B. WOODRUFF,
ROSWELL WAKEMAN.