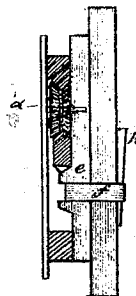
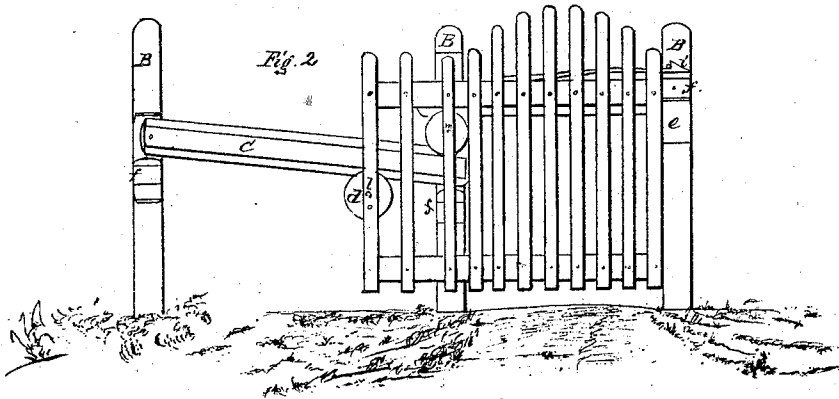
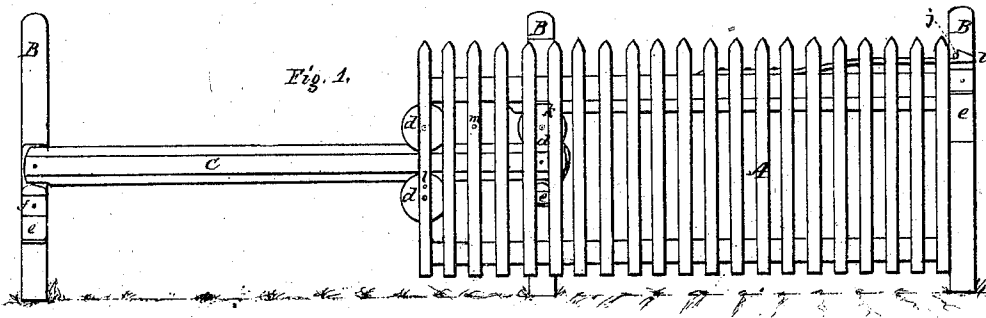


J. W. Brewster,

Farm Gate.

No. 66454.

Patented July 9. 1867.



Witnesses:
G. F. Wilson
Chas. A. Poole

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Inventor.
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United States Patent Office.

JOHN W. BREWSTER, OF WEST LAURENS, NEW YORK.

Letters Patent No. 66,454, dated July 9, 1867.

FARM-GATE.

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, JOHN W. BREWSTER, of West Laurens, Otsego county, State of New York, have invented certain new and useful improvements in Farm and other Gates; and I hereby declare the following to be a full and exact description of the same, reference being had to the drawings that accompany and form a part of these specifications.

The object of my invention is to provide a gate that will be durable, easily operated, and one that can be readily adjusted to any position desired, making it a self-closing gate or otherwise.

Figure 1, front elevation of gate closed.

Figure 2, front elevation of small self-closing gate.

Figure 3, sectional view on line *a b*.

Letter A, gate; letters B B B, posts; letter C, bar or rail upon which the rollers run in opening or closing the gate; letters *d d d*, rollers upon which the gate moves back and forth; letters *e e e*, movable blocks attached to the posts; letter *f*, band placed around the block *e* and posts B; letter *h*, wedge or key to hold the block *e* at any desired height; letter *i*, spring-catch or fastening; letter *j*, pin in block on gate-post for a fastening.

The peculiar feature of my invention consists in being able to raise or lower the gate to any point desired, and having a double track rail and rollers arranged as in fig. 1, one running above and one below said rail. This rail may also be elevated at one end, forming an inclined plane, thus making a self-closing gate.

The blocks *e e e* are secured to the posts by a band passing around them and the posts, the band being large enough to admit a wedge or key, on the opposite side of the post to the block, by which it is held in place. A notch or slot is cut in the block, as shown in fig. 3, wide and deep enough to admit the band, which prevents the block from falling out of place when the key is loosened. These blocks, it will be understood, can be raised or lowered on the posts by loosening the key or wedge *h*, and replacing it again when the block has been moved to the point desired. The rollers *d d d* are grooved, and into these grooves the bevelled or rounded edges of the bar C, and the lower edge of the upper rail of the gate is made to fit, and by this means the gate is guided. When the bar C is placed horizontal, which perhaps is most desirable in large gates, I make use of the three rollers, as seen in fig. 1, one roller being made fast to the block on the gate-post at *k*, the other two attached to the gate, one above, the other below the bar C, which is bevelled on both top and bottom to fit into the grooves in the roller, as may be seen in fig. 3. To hold the rollers firmly that are attached to the gate two extra pieces or slats are placed opposite the two last upon the gate. The rollers are placed between, and a pin or bolt passing through all of them, not only keeps the rollers firm, but serves to keep the gate from being thrown out of place by accident or otherwise. In order to make the gate self-closing I raise one end of the bar C, making an inclined plane, as shown in fig. 2, and I also remove the roller attached to the block on the gate-post entirely, and change the other rollers to the points *l* and *m*, as seen in fig. 2. By this arrangement of the two rollers the gate is supported and brought into a horizontal position when closed.

The adjustability of this gate will be found particularly advantageous in winter, where deep snows prevail, thereby avoiding all trouble in opening and closing, or expense in clearing the snow away, and avoid also the annoyance frequently experienced by the sagging of large gates that are hung upon hinges. By this adjustable feature, also, we are enabled to keep the pin *j*, to which the gate is fastened, in the exact position necessary to secure the spring-catch *i* whenever the gate is closed.

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

1. The double track rail C when made adjustable, substantially as described and for the purposes set forth.
2. The blocks *e e e*, bands or clasps *f*, and keys *h*, when used and combined with the posts B to operate as and for the purposes specified.

JOHN W. BREWSTER.

Witnesses:

LEE TUCKER,
EZRA TUCKER.