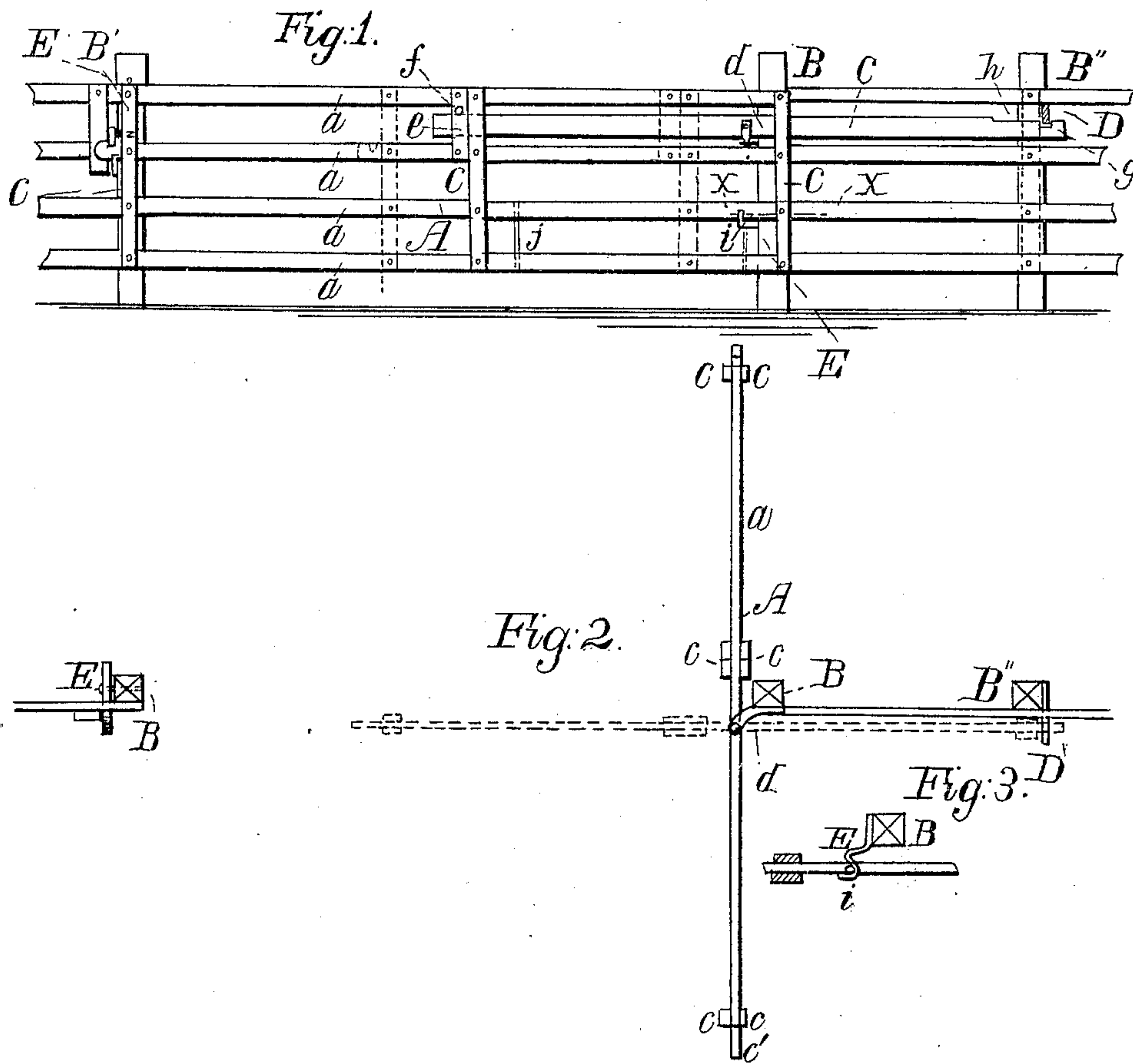


S. E. ANTHONY.

Gate.

No. 63,455.

Patented April 2, 1867.



Witnesses:
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United States Patent Office.

SHERMAN E. ANTHONY, OF STILLWATER, NEW YORK.

Letters Patent No. 63,455, dated April 2, 1867.

IMPROVEMENT IN 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, SHERMAN E. ANTHONY, of Stillwater, Saratoga county, New York, have invented a new and improved Gate; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to a new and improved gate, of that class which is constructed and arranged in such a manner as to slide longitudinally a certain distance, and there swing or turn entirely open. The object of the invention is to obtain a gate of the class specified, which may be opened and closed with greater facility than hitherto, and be stronger and more durable. In the accompanying sheet of drawings—

Figure 1 is a side view of my invention in a closed state.

Figure 2, a plan or top view of the same in an open state.

Figure 3, a horizontal section of a portion of the same, taken in the line *x x*, fig. 1.

Similar letters of reference indicate corresponding parts.

A represents a gate, composed of a series of horizontal slats, *a*, to which upright strips or battens *c* are nailed or otherwise attached at each side, and at corresponding parts a strip or batten at one side of the gate, being in line with or directly opposite to a strip or batten at the other side, as shown in fig. 2. *B B'* are the gate-posts, between which is the opening or space the gate closes, and *C* is a horizontal slat or bar, which is connected by a hinge, *d*, to the post *B*, the hinge being about at the centre of the slat or bar. This slat or bar is fitted between the uppermost slat *a* of the gate and the one underneath, and is between the strips or battens *c* of two pairs, and also between two short vertical strips *e e*, secured, one to each side of the gate, by the sides of the central strips or battens, between which strips *e* a friction-roller, *f*, is placed to bear open the slat or bar *C*, as shown in fig. 1. The rear end of the slat or bar *C* has a notch, *g*, made in it to receive a fixed or stationary catch, *D*, attached to a post, *B''*, of the fence; the weight of the gate on the slat or bar *C*, when the former is in a closed state and has the majority of its weight nearly all in the outer part of *C*, causing the catch *D* to be kept engaged with *C*. Adjoining the notch *g* there is an oblong recess, *h*, the use of which will presently be shown. To the post *B*, at its lower part, there is attached a horizontal curved rod, *E*, having an upright rod, *i*, at its outer end. The outer end of the rod *E* is of curved or hook form, to receive, when the gate is shoved back on *C* in a partially open state, a vertical rod, *j*, between the two lower slats of the gate, as shown in red, fig. 1, the rear end of the upper slat, or a strip underneath the same, at the same time dropping into recess *h*. It will be seen that the slat or bar *C* serves as a guide-rail for the gate *A* to slide on, and it also serves as a means whereby the gate is swung in an open and closed state; for, when the gate *A* is shoved fully back on the bar *C*, the weight of the gate will free the rear end of *C* from the fixed catch *D*, and the bar and gate are then turned at right angles with the fence, as shown in black in fig. 2; and the gate, when shoved back on the slat or bar *C*, has a tendency to swing open itself as the rod *j* leans against the outer end of the rod *E* out of a vertical line with the hinge *d* of the slat or bar *C*; and the operation is precisely the same as the self-cleaning hinge attachments quite commonly used on gates. The gate is provided with a catch or fastening to keep it in a closed state. This may be formed of a latch, *E*, in the post *B'*, so arranged as to engage with a notched end of one of the slats *a*.

I claim as new, and desire to secure by Letters Patent—

1. The hinged guide bar *C*, in combination with a sliding gate, *A*, arranged to operate in the manner substantially as shown and described.

2. The curved rod *E* attached to the post *B*, the rod *j* in the gate, and the hinge *d*, when said parts are used in combination with a sliding gate, *A*, arranged on a guide slat or bar, *C*, substantially as and for the purpose specified.

The above specification of my invention signed by me this fourth day of January, 1867.

SHERMAN E. ANTHONY.

Witnesses:

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ALEX. F. ROBERTS.