

J. I. Chambers,

Gate.

No. 104,555.

Patented June 21, 1870.

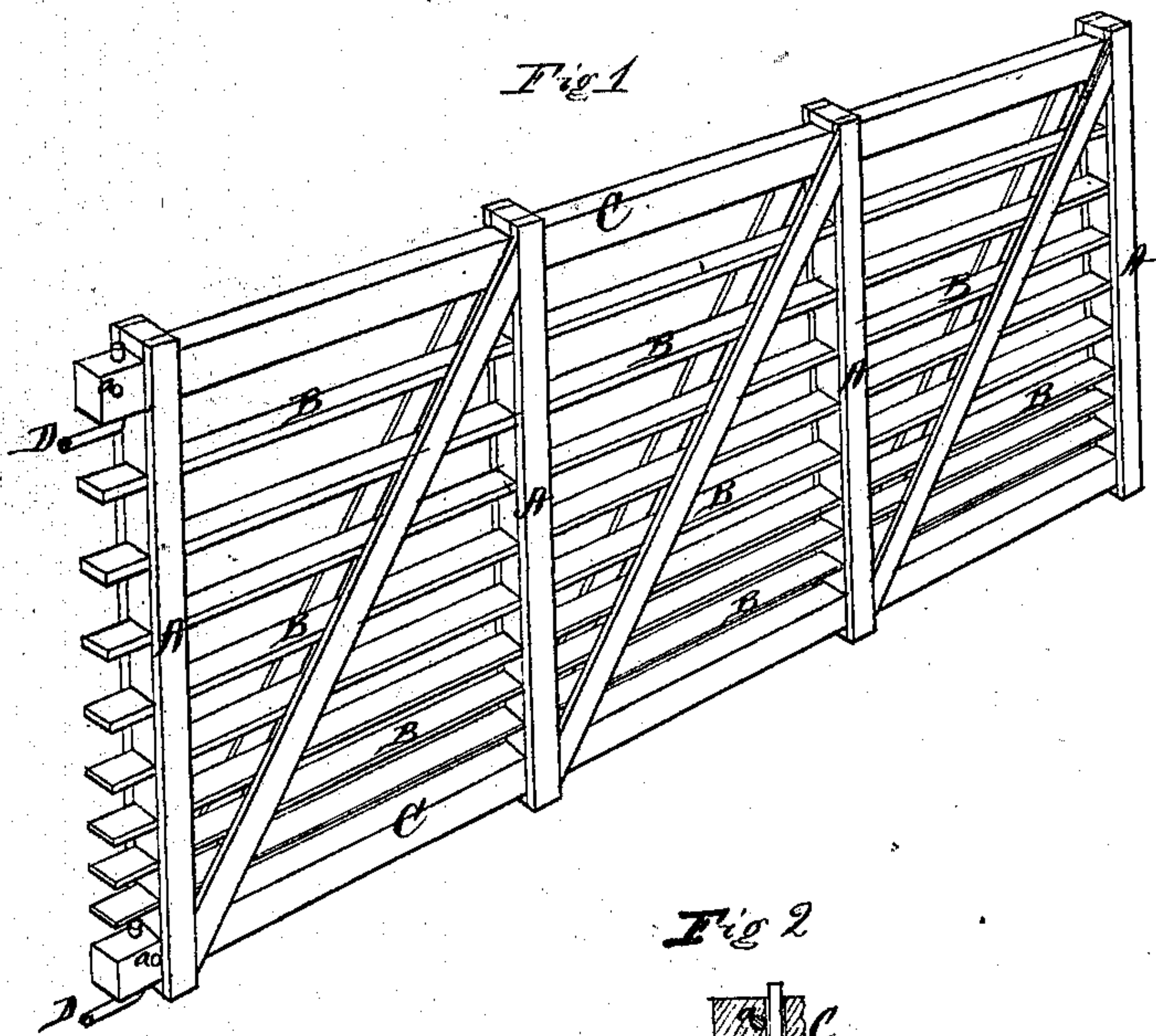


Fig 2



Fig 3



Witnesses

Harry King
Ed. Ewert.

Inventor.

John I. Chambers
per
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Atty.

United States Patent Office.

JOHN D. CHAMBERS, OF WILLIAMSPORT, INDIANA.

Letters Patent No. 104,555, dated June 21, 1870.

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, JOHN D. CHAMBERS, of Williamsport, in the county of Warren and in the State of Indiana, have invented certain new and useful Improvements in Gate; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of my invention consists,

First, in extending the top and bottom rails of the gate back through the rear cross-piece, so as to form the eyes of the hinges with bolts or rivets running through them at right angles with said eyes, to prevent splitting and wearing of the eyes of the hinges thus formed; and

Second, in placing the horizontal slats of the gate with their flat sides down, so as to secure greater lateral strength, and better adapting the gate to resist the action of the wind or any force that may be brought against it.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a perspective view of the gate, and

Figures 2 and 3 are sections of the hinges.

A A represent vertical cross-pieces or bars, through which are passed the horizontal slats B B. These slats are placed with their flat sides down, as shown in fig. 1, presenting their edges only to the sides of the gate, so that the wind will not have so much surface to act against, making the gate more capable of

resisting the action of the wind, or of any force that may be brought against it, it possessing a greater lateral strength.

Through the upper and lower ends of the bars A are placed rails C C, running parallel with the slats B B, and extending back through the cross-piece a suitable distance.

A hole is bored vertically through the projecting end of each rail C, and the gate hung on right-angular hooks D D, secured to the gate-post.

A bolt or rivet, *a*, is put through the end of the rail C, at right angles with and close to the hole in the same.

The bolt in the top rail is immediately behind the eye or hole, while in the lower rail it is immediately in front, so that these bolts will receive the pressure from the hooks D D.

The gate thus constructed may be braced in any suitable manner.

Having thus fully described my invention,

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

The combination of the slotted uprights A A, edge-wise-placed rails B B, held in place by the oblique braces and the top and bottom square rails C C, with the L-shaped hooks D D, and crosswise rivets *a*, all as set forth.

In testimony that I claim the foregoing, I have hereunto set my hand this 6th day of April, 1870.

JOHN DAVID CHAMBERS.

Witnesses:

RICHARD W. CLAYPOOL,
H. M. BILLINGS.