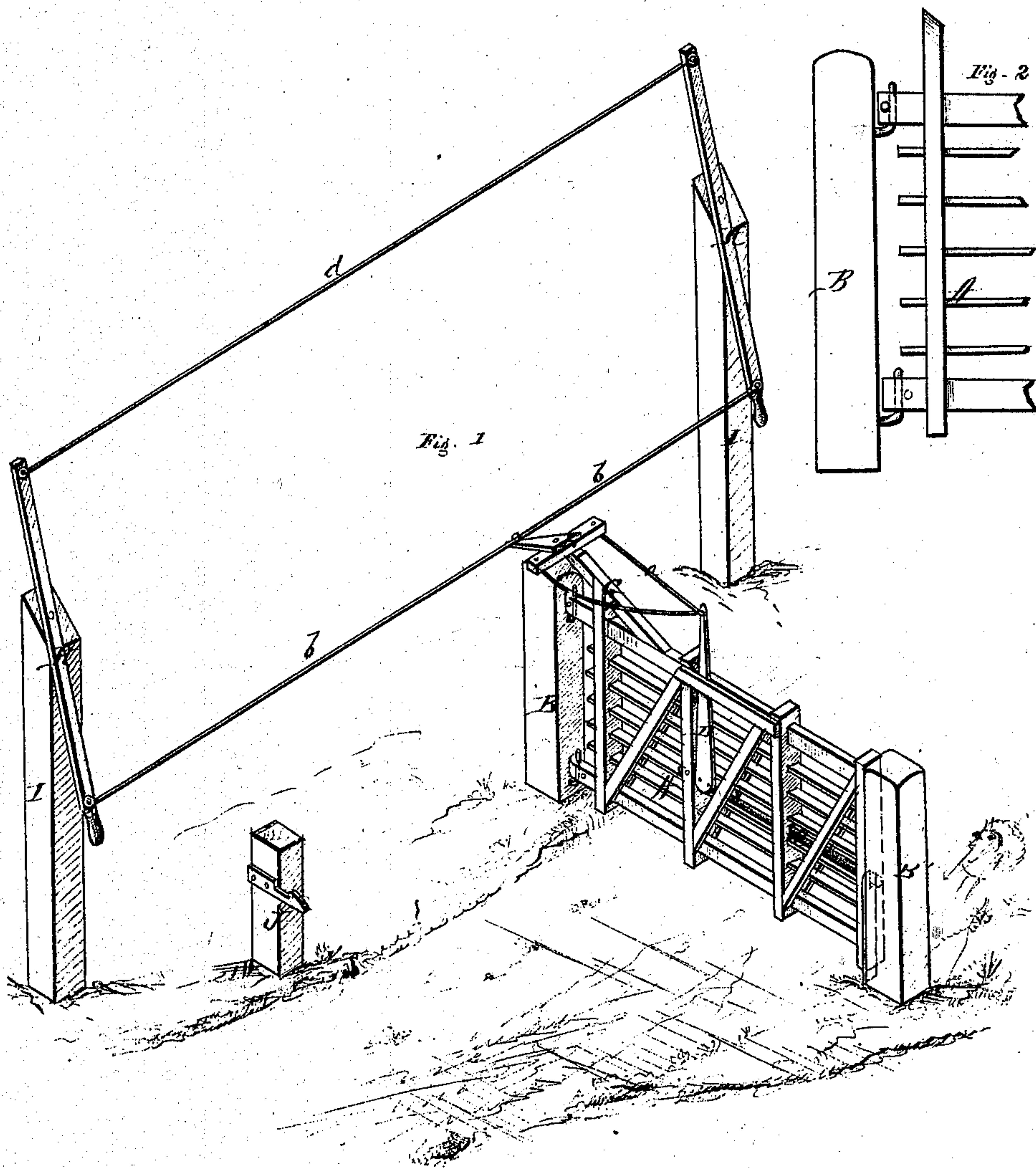


*J. D. Chambers,*

*Gate.*

*No. 104,556.*

*Patented June 21, 1870.*



*Witnesses.*

*C. L. Overt,*  
*H. H. Harr,*

*Inventor*

*John D. Chambers*  
*per Alexander Mason*  
*Atty.*



# United States Patent Office.

JOHN DAVID CHAMBERS, OF WILLIAMSPORT, INDIANA.

*Letters Patent No. 104,556, 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 DAVID CHAMBERS, of Williamsport, in the county of Warren and in the State of Indiana, have invented certain new and useful Improvements in Gates; 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 in the construction and arrangement of the opening and closing apparatus for a gate, as will be hereinafter fully set forth.

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, with the opening and closing apparatus attached; and

Figure 2 is a side view of the inner end of the gate, showing the manner of hinging the same.

A represents the gate, and

B B the gate-posts.

The construction and mode of hinging the gate A are made the subject of another application filed with this, and hence need no description here.

In the gate A is pivoted a horizontal bar, C, provided at its inner end, near the pivot point, with a vertical lever, D, the two together forming a right-angle latch.

The upper end of the lever D is, by two wires, *a a*, connected with a double-armed lever, E, which is pivoted on an inclined bar, G, rising from the gate, the pivot point of said double-armed lever being above the post to which the gate is hinged.

The double-armed lever E is, by wires *b b*, connected with hand levers, H H, supported one on each side of the gate, at a suitable distance, on posts, I I, at such height that they can readily be reached from the ground.

The hand-levers H H are pivoted at or about their center, and the wires *b b* are attached at their lower ends. Their upper ends are connected by another wire, *d*.

The outer gate-post is provided with a hook or catch on which the outer end of the latch C D catches, and, at a suitable distance from the inner gate-post, is a smaller post, J, with hook, on which the gate latches to hold it open.

The operation of this mechanism will be readily seen. By the use of the handle-levers H H the right-angle latch C D is released or removed from its hook or catch, and, from the peculiar position of the double-armed lever E, above and in rear of the gate-hinges, the gate is swung around.

I do not claim under this patent the mode of hinging the gate to the post B, as seen in fig. 2.

What I claim, is—

The arrangement of the gate A with angular latch C D, cords *a a*, T-shaped lever E, cord or wire *b*, levers H H pivoted to the beveled tops of the posts I I, and the top cord or wire *d*, 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.