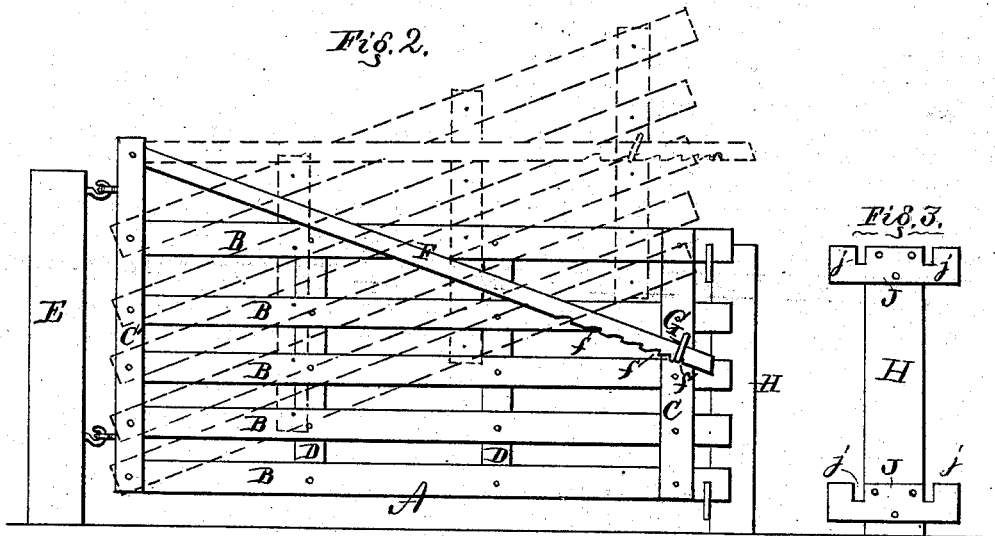
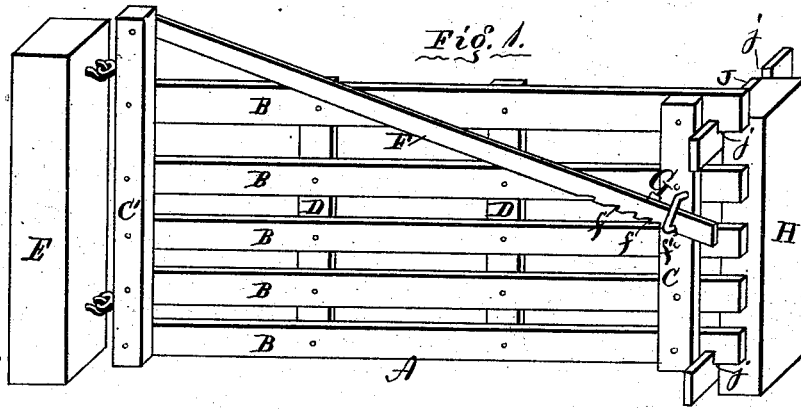


J. MEDHURST.  
Gate.

No. 207,129.

Patented Aug. 20, 1878.



Witnesses:  
M. H. Barringer  
E. L. Field.

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# UNITED STATES PATENT OFFICE.

JOSEPH MEDHURST, OF GALESBURG, ILLINOIS.

## IMPROVEMENT IN GATES.

Specification forming part of Letters Patent No. 207,129, dated August 20, 1878; application filed December 10, 1877.

*To all whom it may concern:*

Be it known that I, JOSEPH MEDHURST, of Galesburg, in the county of Knox and State of Illinois, have invented certain new and useful Improvements in Farm - Gates; 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 which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 is a perspective view of a gate embodying my invention. Fig. 2 is a side elevation of Fig. 1. Fig. 3 is an elevation of the latch-post.

My invention relates to improvements in that class of gates in which the horizontal slats are pivoted to the vertical bars in such a manner that the free end of the gate may be elevated and the slats turned up toward vertical positions; and the invention consists in the use of a tie-brace pivoted at its upper end to the upper part of the hinge side of the gate, and its other end notched and passed through a staple at the latch side of the gate, with which staple the notches may be engaged to hold the gate at various inclinations and to lock it in a closed position, all as hereinafter fully described, and set forth in the claim hereto annexed.

Referring to the parts by letters, the same letter indicating the same part in the different views, letter A represents a gate formed of horizontal slats B, pivoted to vertical end bars C C', and any desired number of stiffening-bars D. The gate A may be hinged to the hinge-post E, as shown in the drawings, or in any other manner, permitting it to open toward either side. The bar C' is preferably extended above the gate.

F is a diagonal tie-brace, pivoted at one end to the upper end of the bar C', at the end of the gate next the hinge-post E, and its other end passing through a loop-catch, G, at the other end and about midwidth of the gate. The end of the brace F which passes through the loop G has a series of notches, *f*, cut, as shown in the drawings, with a sloping side,

so as to permit raising the adjacent end of the gate, as shown by dotted lines at Fig. 2, and with a side at right angles to the brace, which engages with the lower side of the loop G and retains the gate in an elevated position. A notch, *f'*, is also cut in the brace F at right angles thereto on both sides, so that when engaged with the loop G, as shown by full lines at Figs. 1 and 2 of the drawings, it will hold the gate and prevent raising its free end.

H is the latch-post, placed so that when the gate is closed the ends of the slats B will extend upon it a few inches, as shown at Figs. 1 and 2. J J are plates bolted to the post H, and, extending on both sides of said post, (see Fig. 3,) have a notch, *j*, cut in each end.

The ends of the bars B may be placed in the notches *j* to latch the gate on either side of the post H, and the notch *f'* in the brace F, being engaged with the loop G, will prevent animals of any kind from raising and unlatching it. By simply raising the notch *f'* from the loop G the gate may then be raised to unlatch it and raise it to any desired elevation to open it, swinging free over snow or other obstructions, and to lock it by either notch *f* at any desired elevation for small animals, such as hogs, sheep, &c., to pass beneath. When the gate is raised, as shown by dotted lines at Fig. 2, it will be shorter horizontally, and may then be swung past to open to either side of the latch-post H.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The gate A, having the brace F pivoted at its upper end to the upper part of the hinged side of the gate, and having notches *f* for holding the gate in an elevated position, and notch *f'*, constructed as described, for locking the gate against elevation, in combination with the loop G and notched post H, substantially as and for the purpose specified.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

JOSEPH MEDHURST.

Witnesses:

THOMAS MCKEE,  
W. B. RICHARDS.