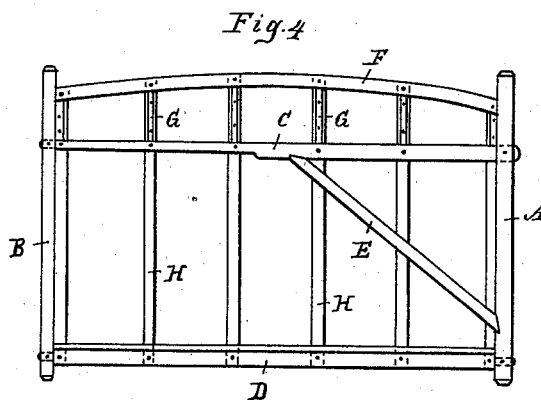
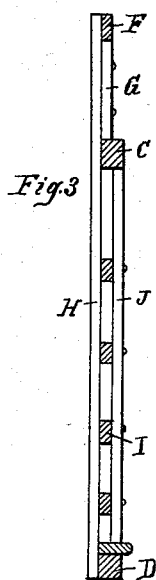
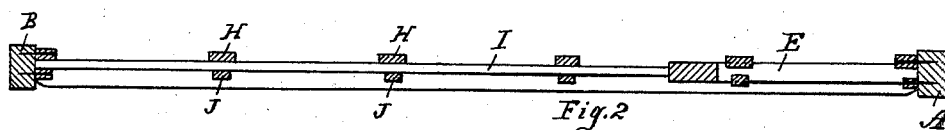
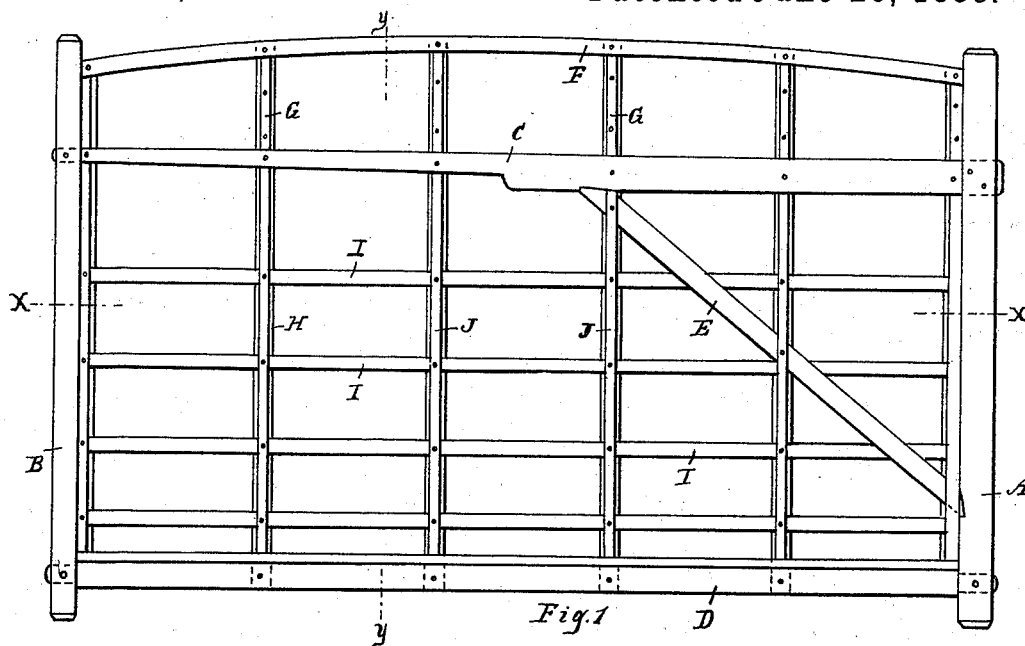


(No Model.)

P. DYER.
FARM GATE.

No. 385,302.

Patented June 26, 1888.



Attest:
John Schuman.
P. M. Hubbert.

Inventor:
Philip Dyer,
by his Atty
Thos. S. Sprague & Son

UNITED STATES PATENT OFFICE.

PHILIP DYER, OF UNADILLA, MICHIGAN, ASSIGNOR OF ONE-HALF TO
WILLIAM ABERNETHY, OF MOORETOWN, ONTARIO, CANADA.

FARM-GATE.

SPECIFICATION forming part of Letters Patent No. 385,302, dated June 26, 1888.

Application filed January 10, 1888. Serial No. 260,295. (No model.)

To all whom it may concern:

Be it known that I, PHILIP DYER, a citizen of the United States, residing at Unadilla, in the county of Livingston and State of Michigan, have invented certain new and useful Improvements in Farm-Gates, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in farm-gates; and the object of the invention is to construct such a gate, with a minimum amount of lumber, in such a manner that the gate will not sag, which is a disadvantage in most of the cheaper constructions of farm-gates.

The invention consists in the peculiar construction, arrangement, and combinations of parts, all as more fully hereinafter set forth.

Figure 1 is an elevation of the gate complete. Fig. 2 is a horizontal section on the line *x x*. Fig. 3 is a vertical cross-section on the line *y y*. Fig. 4 is a diagram of the trussed main frame.

In the accompanying drawings, which form a part of this specification, A is the hinge-bar, and B the latch-bar or upright, of a gate-frame, and C the top rail and D the bottom rail. Both of these rails are mortised into the uprights and firmly secured thereto, the top rail, C, being preferably made of increased size toward the heel.

E is an inclined brace, secured at the heel to the hinge-bar and at the head to the top rail, so as to extend diagonally to about the middle of the top rail, suitable joints being made to insure a rigid connection.

The uprights A and B extend above the top rail, as shown, and between the upper ends of such extensions is secured the curved wooden truss-bar F, and between this truss-bar F and the top rail, C, are secured at intervals apart the vertical braces G, so that the rails F and C thereby form a strong truss.

To one side of this truss I secure the vertical slats H, which extend downwardly from the top rail to the bottom rail, to which latter they are suitably secured, preferably by

nailing. The open spaces still left in the gate-frame are then suitably closed by light horizontal bars or slats I, over which I nail the vertical slats J, to secure them firmly in position and prevent warping or breaking of these parts, as I intend to make them of very light strips. The bottom rail, D, I preferably make, for the sake of lightness and strength, in two parts, as shown.

A gate constructed in this manner will be found very strong, and at the same time quite inexpensive, and fills a practical want, which those using gates will appreciate, as it may be built by anybody ordinarily skilled in the use of carpenters' tools.

What I claim as my invention is—

1. A gate consisting of the main frame composed of the top and bottom rails, C D, and the uprights A B, secured to and extended above said top rails, the arched bar F, secured to the uprights, the vertical slats H, secured to the top and bottom rails and to said bar F, and the vertical braces G, resting upon the top rail and secured to the portions of the slats H above the top rail, and the said bar F resting on said vertical braces, substantially as shown and described.

2. A gate consisting of the main frame composed of the top and bottom rails, C D, and the uprights A B, secured to and extended above said top rails, the arched bar F, secured to the uprights, the vertical slats H, secured to the top and bottom rails and to the bar F, and the vertical braces G, resting upon the top rail, secured to the portions of the slats H above the top rail and to the arched bar F, and the latticed work composed of the vertical and cross slats J I, secured to the slats H and rails C D and to each other, substantially as shown and described.

In testimony whereof I affix my signature, in presence of two witnesses, this 1st day of December, 1887.

PHILIP DYER.

Witnesses:

H. S. SPRAGUE,
JAS. WHITTEMORE.