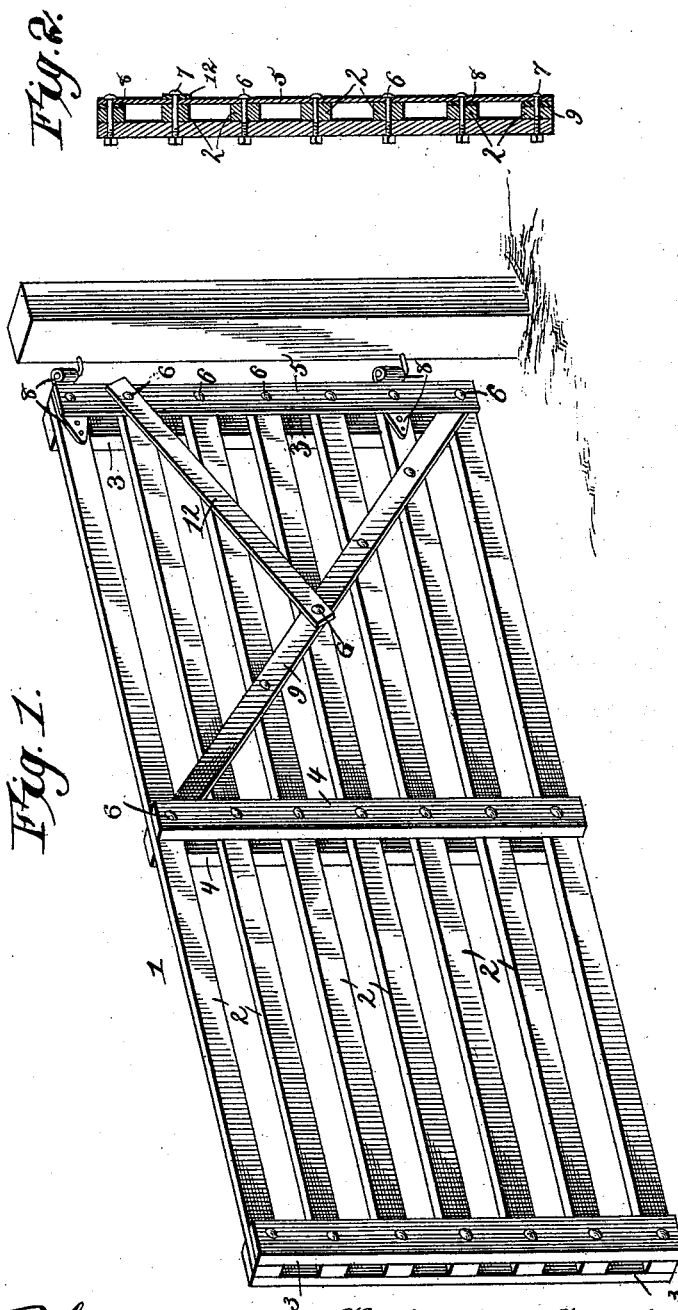


(No Model.)

C. C. A. SIENKNECHT.
GATE BRACE.

No. 491,906.

Patented Feb. 14, 1893.



Witnesses
H. G. Dieterich
H. J. Riley

Inventor
Christian C. A. Sienknecht
By his Attorneys,
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UNITED STATES PATENT OFFICE.

CHRISTIAN C. A. SIENKNECHT, OF KINGSTON, TENNESSEE.

GATE-BRACE.

SPECIFICATION forming part of Letters Patent No. 491,906, dated February 14, 1893.

Application filed December 8, 1890. Serial No. 373,948. (No model.)

To all whom it may concern:

Be it known that I, CHRISTIAN C. A. SIENKNECHT, a citizen of the United States, residing at Kingston, in the county of Roane and State of Tennessee, have invented a new and useful Gate-Brace, of which the following is a specification.

The invention relates to improvements in braces for end gates.

The object of the present invention is to provide a simple and inexpensive brace adapted to be readily secured to gates of the ordinary construction to prevent their sagging.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings and pointed out in the claim.

In the drawings: Figure 1 is a perspective view of a gate provided with a brace constructed in accordance with this invention. Fig. 2 is a vertical sectional view.

Referring to the accompanying drawings, 1 designates a gate of the ordinary construction and composed of horizontal rails 2, vertical end bars or stiles 3, and central bars 4, said bars being secured to the rail in any suitable manner. The inner end, adjacent to the hinge post, is provided with a vertically arranged metallic bar 5, having its ends secured to the gate by bolts 6 and 7, which pass through the vertical metal bar 5, the horizontal rail and the adjacent stile or end-bar, and the said bolts 6 secure to the gate, leaf plates 8, arranged between the metal bar and the rails, and provided with eyes to receive the pintles of the hinge post.

Extending from the lower corner at the inner or hinged end of the gate, to the central portion of the top rail, is an inclined bar 9, having its lower end secured to the gate between the bar 5, and the bottom rail by one of the bolts 6, and the upper end attached to the top bar by a bolt 6 which passes through the central vertical bars of the gate and the

top rail and the upper end of the inclined metal bar 9, which is arranged between one of the vertical bars 4 and the top rail. The vertical metal bar 5 and the inclined metal bar 9, which are suitably secured to the rail by screws or bolts are connected by a metal brace bar 12, which is inclined and has its upper end secured to the vertical metal bar 5, near the upper end of the latter and which has its lower end secured to the center of the inclined metal bar 9 by the bolt 6. By this arrangement of metal bars, a truss-frame is formed and the gate is firmly braced and prevented sagging, and it will be readily seen that the brace is simple and inexpensive in construction and adapted to be readily secured to the ordinary construction of farm gates, and is capable of bracing the same and preventing them sagging.

I desire it to be understood that I do not limit myself to the minor details of construction, as the brace may be constructed of a single piece of metal adapted to be readily secured to a gate in which case the metal bars will be formed integral or be welded together.

What I claim is:—

The combination with a wooden gate comprising horizontal rails and vertical bars, of an independent metal brace secured to the gate to prevent sagging and composed of the vertical bar 5 arranged at the inner end of the gate, the inclined bar 9 connected to the lower end of the bar 5 and extending therefrom to the top of the gate at the middle thereof, and the oppositely disposed inclined bar 12 extending from the middle of the bar 9 to the top of the bar 5 and connected to the same, substantially as described.

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

C. C. A. SIENKNECHT.

Witnesses:

J. E. MUECKE,
J. T. MCEWEN.