

(No Model.)

E. R. MICHAELIS.

FENCE.

No. 329,930.

Patented Nov. 10, 1885.

Fig. 1.

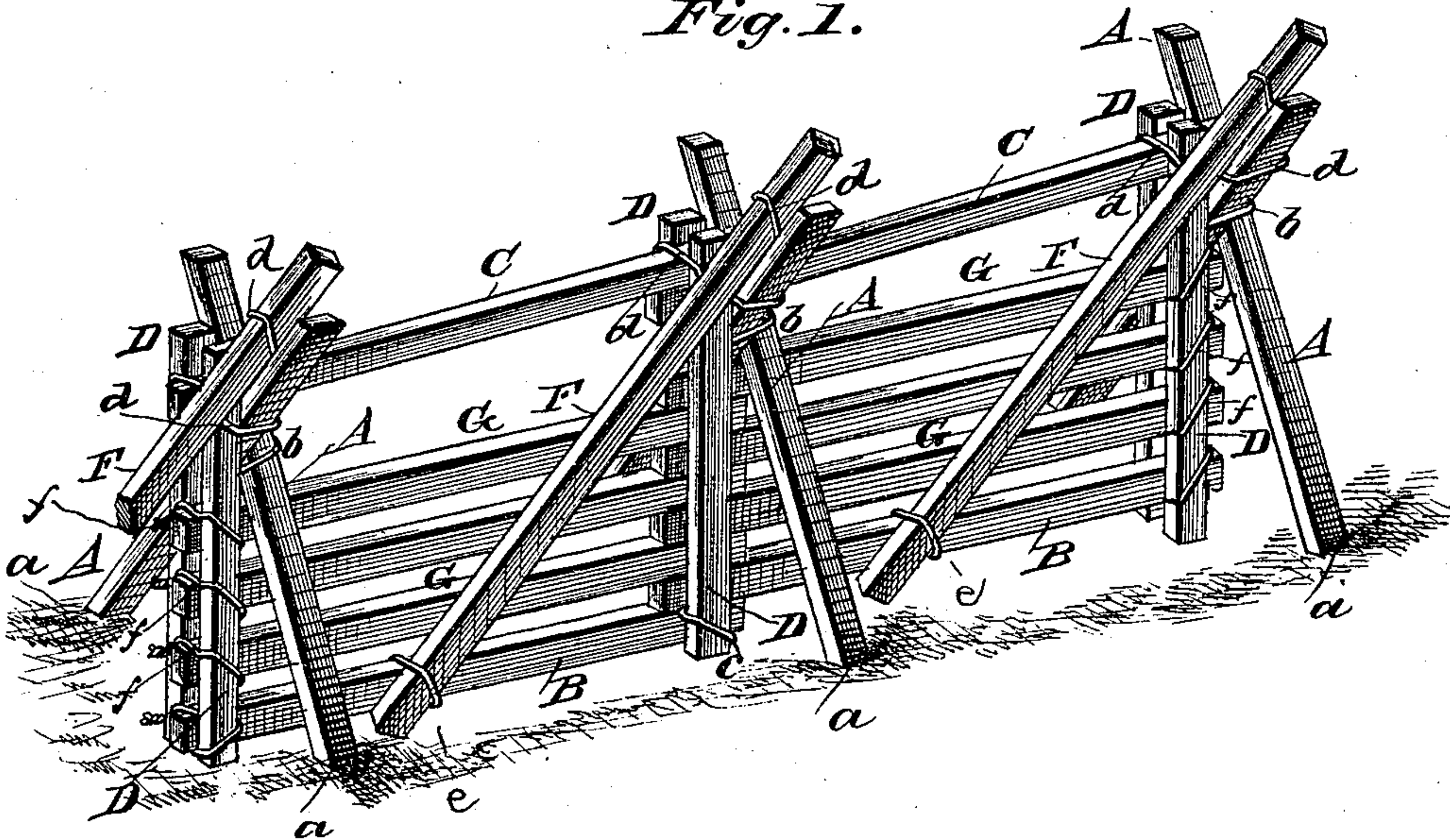
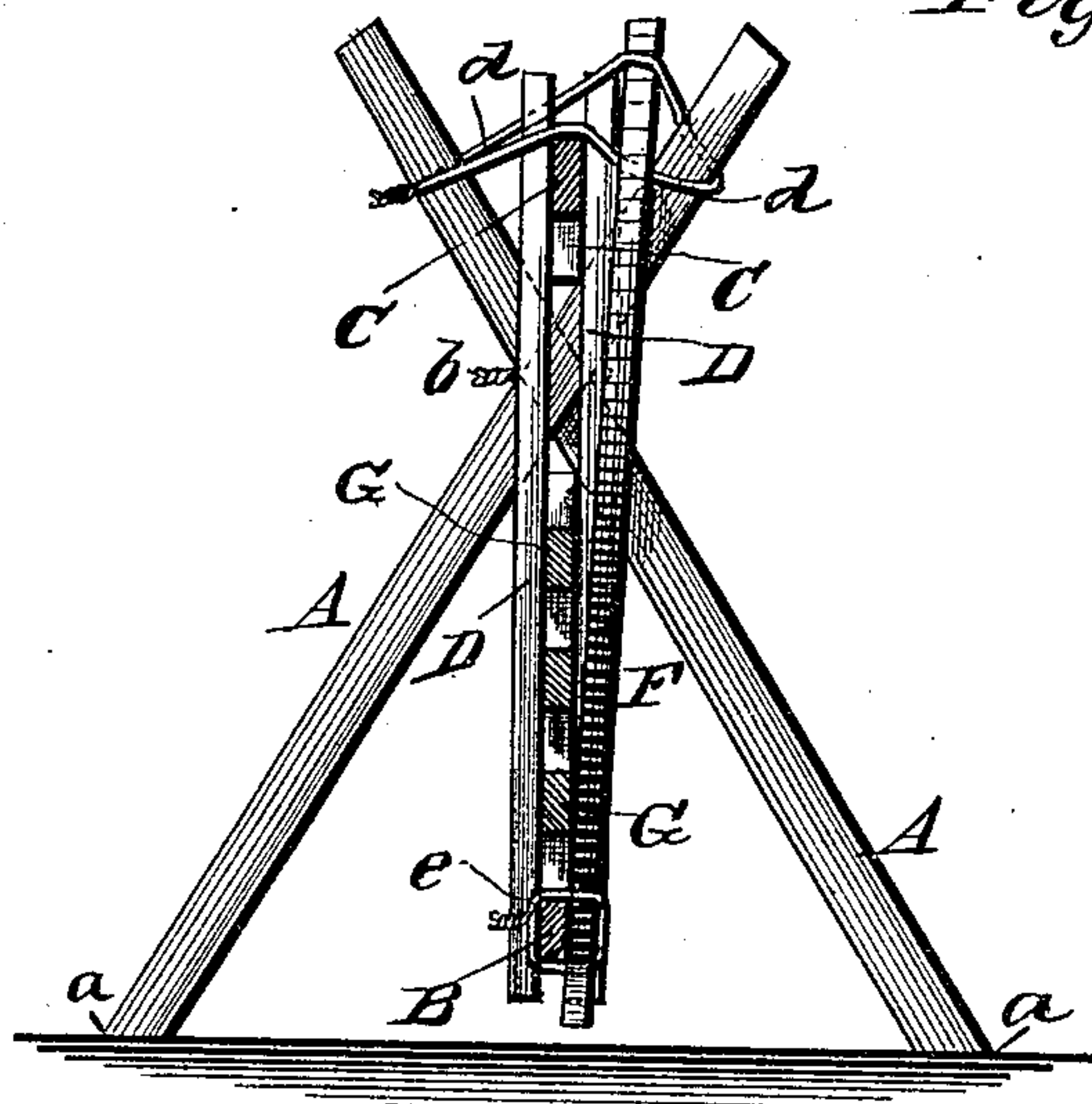


Fig. 2.



WITNESSES

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FENCE.

SPECIFICATION forming part of Letters Patent No. 329,930, dated November 10, 1885.

Application filed July 13, 1885. Serial No. 171,531. (No model.)

To all whom it may concern:

Be it known that I, ERNEST R. MICHAELIS, a citizen of the United States, residing at Sycamore, in the county of Wyandot and State of Ohio, have invented certain new and useful Improvements in Fences, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to straight wooden fences, especially designed for farms; and it consists in a novel manner of combining crotched and vertical supports with diagonal braces and longitudinal rails, as will be fully understood from the following description, when taken in connection with the annexed drawings, in which—

Figure 1 is a perspective view of a section of my improved fence, and Fig. 2 is a vertical cross-section of the same.

Referring by letter to the accompanying drawings, A A designate the lateral crotched braces or stakes, which are suitably anchored to the ground, as indicated at *a a*, and which I tie together by wire bands *b*, as shown.

B B designate the bottom longitudinal rails of two sections of the fence, and C C are the top longitudinal rails or riders of said sections. Now, it will be observed by reference to the annexed drawings that the said rails are tightly bound between vertical cleats D D, by means of wire bands *f f*. The said top rails are also bound together by means of strong wire bands *d*, which encompass the upper portions of the crotched braces, above the crotches thereof.

F F are diagonal braces or ties, the upper ends of which are passed through the bands *d*. These braces are then depressed, and their lower ends are rigidly secured to the lower longitudinal rails, B B, by means of wire bands

e. It will be observed by reference to Fig. 1 that the diagonal braces F F constitute jacks, by means of which the upper portions of the lateral crotched braces A A are firmly bound together, so that they clamp the top rails and hold them rigidly in their places. The top and bottom rails are between the pairs of vertical cleats D D, and between the pairs of lat-

eral crotched braces A A, as clearly shown in Fig. 1. Between the top and bottom rails are the intermediate longitudinal rails, G G, which are secured between the cleats D D by wire bands *f f*, and which lie one upon the other at their inner portions, as shown in Fig. 1. It will be observed that the sections are held in their places, and that they cannot be casually displaced by storms or animals. The binding-wires which connect the upper ends of the lateral crotched stakes or braces are arranged so that they loop over the upper ends of the diagonal braces, and also around the upper ends of the cleats.

I am aware that fences embodying many of the features of my fence are old, as evinced by patents to Russell, No. 267,596, and Jarratt, No. 285,272, and I make no claim to the constructions shown in said patents.

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

The fence herein described, consisting of the following parts, viz: the panel composed of the longitudinal rails B G, rider C, end cleats, D, secured to the rails by means of wires *f f*, cross-braces A, and diagonal braces F, the latter secured at their lower ends to the lower rails, B, by the bands *e*, and their upper ends resting between the crotch of the cross-braces A, the fastening-wire *d* extending over the ends of the riders C and under the diagonal braces, thence around the cross-braces on one side of the fence, thence up and over the braces F, and finally around the cross-braces on the opposite side of the fence, where the two ends of the wire are secured, whereby said rails, cross-braces A, and diagonal braces F are firmly secured together, all constructed as shown and specified.

In testimony whereof I affix my signature in presence of two witnesses.

ERNEST R. MICHAELIS.

Witnesses:

D. E. MARTIN,
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