

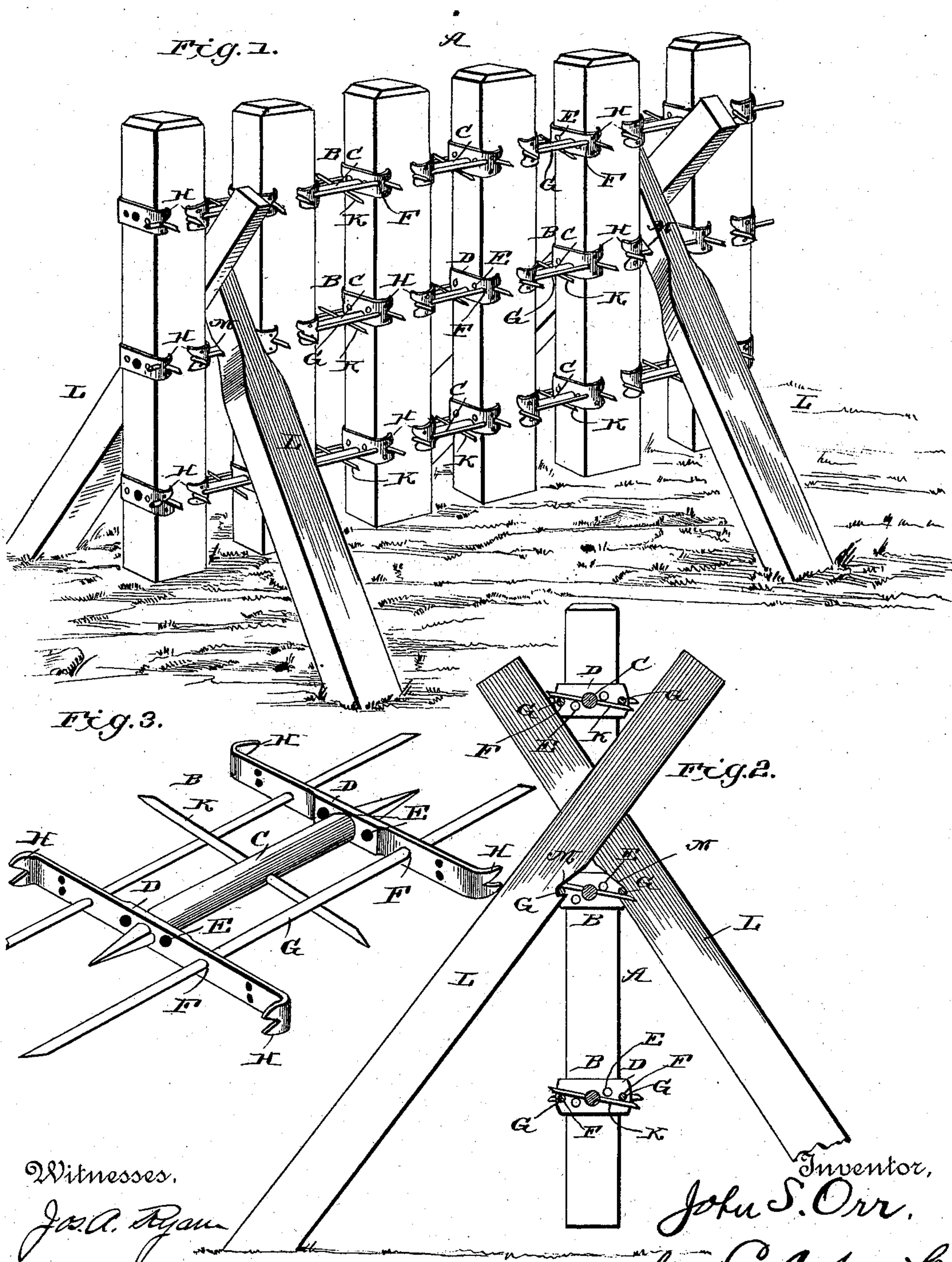
(No Model.)

J. S. ORR.

FENCE.

No. 384,270.

Patented June 12, 1888.



Witnesses.

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UNITED STATES PATENT OFFICE.

JOHN STEPHENS ORR, OF AUGUSTA, KENTUCKY.

FENCE.

SPECIFICATION forming part of Letters Patent No. 384,270, dated June 12, 1888.

Application filed March 19, 1888. Serial No. 267,720. (No model.)

To all whom it may concern:

Be it known that I, JOHN STEPHENS ORR, a citizen of the United States, residing at Augusta, in the county of Bracken and State of Kentucky, have invented a new and useful Improvement in Fences, of which the following is a specification.

My invention relates to improvements in fences; and it has for its object to provide a connection or link for pickets which will enable them to be secured together independent of posts.

A further object of the invention is to provide barbs for the fence, which are formed as parts of the said connections or links.

With these objects in view the invention consists in a certain novel construction and arrangement of devices, fully described hereinafter in connection with the accompanying drawings, wherein—

Figure 1 is a perspective view of a portion of a fence constructed in accordance with my invention. Fig. 2 is a vertical section on the line *x x*, Fig. 1. Fig. 3 is a detail perspective view of the connection or link.

Referring by letter to the drawings, A A designate the pickets, and B B the connections or links which are arranged between the pickets.

C represents a short bar, having its ends tapered or sharpened, and it is provided near its ends with the lateral arms D D, which are long enough to extend beyond the sides of the pickets. These lateral arms are provided near the bar C with perforations E E, through which nails may be driven into the edge of the picket.

F F represent apertures in the arms at the edges of the pickets through which the wires or rods G G are passed, and the ends of the arms are provided with spurs H H, so that when the ends of the arms are bent over against the sides of the pickets the spurs pass on opposite sides of the wire or rod G and are driven into the pickets. Perforations I I are formed in the lateral arms near the spurs, and through these perforations are driven nails after the arms are bent over against the sides of the pickets.

K represents a transverse barb-rod, which is secured to the center of the bar C, preferably by inserting the former through the latter,

and the sharpened ends of the said barb-rod project beyond the sides of the pickets. Two or three of these connections or links are placed between each two pickets, in substantially the manner hereinafter described. Place the connections or links (the lateral arms of which are spread out straight, as shown in Fig. 3) between the last-secured picket and the picket which is about to be secured, and strike the outer side of the loose picket, thereby driving the sharpened ends of the bar C into the edges of the pickets; drive the pickets toward each other until the lateral arms bear against the edges of the pickets; pass the ends of the rods or wires through the apertures F; bend the ends of the arms over against the sides of the pickets and drive the spurs into the same on opposite sides of the rods or wires; drive nails through the perforations I I, and, finally, bend the ends of the rods or wires out to form barbs similar to that which is attached to the bar C. These rods or wires may be made in short lengths, as shown in the drawings, or they may be made to extend the entire length of the fence, in which case the barbs would be omitted; but the fence would have increased longitudinal strength.

From the above description it will be seen that the pickets are firmly secured together without the use of posts or horizontal rails; but in order to guard against sagging by the lateral pressure of the wind or the attacks of confined animals I provide inclined braces L L, which are secured at their lower ends in the ground on opposite sides of the line of the fence and pass at their upper ends between the upper ends of the pickets. The inner sides of the braces are provided with notches M, which are engaged with the rods or wires which form parts of the connections or links above mentioned. The fence is thus securely braced against lateral strain.

I do not wish to be understood as limiting myself to the precise construction and arrangement herein described, as I may make slight deviations therefrom without departing from the spirit of the invention.

Having thus described my invention, I claim—

1. In a fence, the combination, with the pickets, of the links or connections between the

pickets, having the short bars C and the lateral arms secured to the edges of the pickets, substantially as specified.

2. In a fence, the combination, with the pickets, of the links or connections having the bars C, sharpened at their ends and driven into the edges of the pickets, and the lateral arms embracing the edges of the pickets and having spurs adapted to be driven thereinto, substantially as specified.

3. In a fence, the combination, with the pickets, of the bar C, the lateral arms attached to the said bar and having spurs on their ends, and the rods or wires passing through apertures in the arms and extending parallel with the fence, substantially as specified.

4. In a fence, the combination, with the pickets, of the bars C, the lateral arms attached to the pickets, and the barb rod attached to the bar and projecting beyond the sides of the pickets, substantially as specified.

5. In a fence, the combination, with the pickets, of the bar C, having its sharpened ends engaged in the edges of the pickets, the lateral arms having perforations E E and I I and the apertures F F therein, the spurs H on the

ends of the arms, the rods or wires inserted in the apertures F and engaged by the spurs, and having their ends turned out to form barbs, and the barb-rods inserted in apertures in the bar C and extending beyond the sides of the pickets, substantially as specified.

6. In a fence, the combination, of the pickets, the links or connections between the pickets, having the bar C, the arms D D, and the rods or wires G G, engaging the said arms and extending parallel with the fence, and the inclined braces having notches M M in their innersides engaged with the said rods or wires, substantially as specified.

7. In a fence, the combination, with the vertical pickets, of the intermediate horizontal bars, C, having sharpened ends engaged in the adjacent edges of the pickets, substantially as specified.

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

JOHN STEPHENS ORR.

Witnesses:

GEO. W. HANCOCK,

JAS. W. MCKIBBEN.