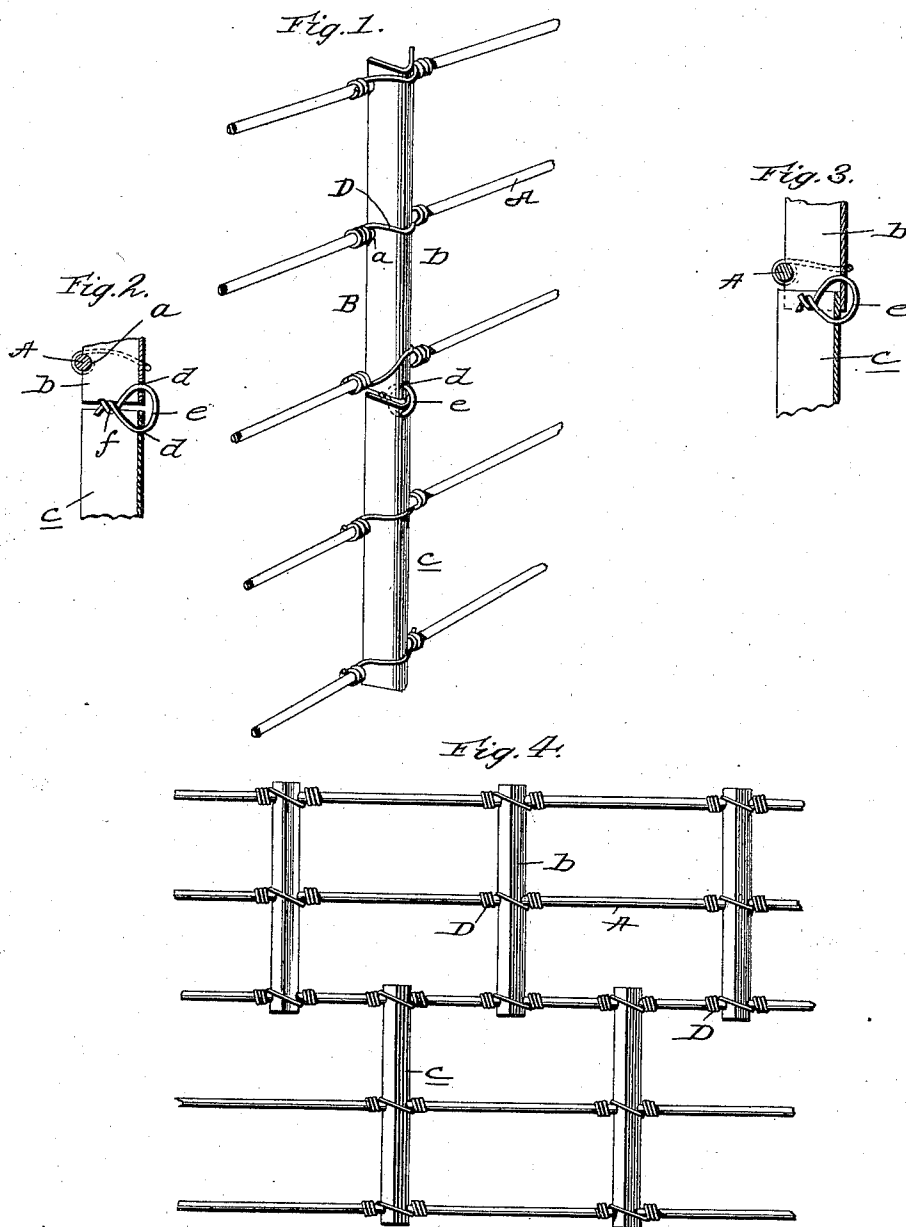


(No Model.)

I. K. HOLLINGER.
WIRE FENCE STAY.

No. 535,110.

Patented Mar. 5, 1895.



Witnesses:
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ISAAC K. HOLLINGER, OF GREENVILLE, OHIO.

WIRE-FENCE STAY.

SPECIFICATION forming part of Letters Patent No. 535,110, dated March 5, 1895.

Application filed October 15, 1894. Serial No. 525,897. (No model.)

To all whom it may concern:

Be it known that I, ISAAC K. HOLLINGER, a citizen of the United States, residing at Greenville, in the county of Darke and State of Ohio, have invented certain new and useful Improvements in Wire Fences; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in that class of wire fences which comprise runners, metallic stays of "V" or "U" shape in cross-section having notches in their edges to receive the runners and tie wires passed around the stays and wrapped around the runners; and it has for its general object to improve such fences by providing a metallic stay of "V" or "U" shape in cross section comprising two sections having notches in their edges to receive the runners and also having apertures in the apex of their angles adjacent to their contiguous ends, and a wire loop taking through the said apertures and loosely connecting the sections together whereby the two or more runners connected with one section may have a limited vertical and horizontal movement with respect to the runners connected to the other section.

To the attainment of the foregoing end the invention consists in the peculiar construction, novel combination and adaptation of parts hereinafter specifically described and pointed out in the claim appended.

In the accompanying drawings, Figure 1, is a perspective view of a part of a wire fence constructed according to my improvements. Fig. 2, is a vertical, sectional view of the stay applied to a runner. Fig. 3, is a similar view showing a different form of joint, and Fig. 4, is a front view of a part of a fence illustrating a modification.

Referring by letter to said drawings: A, indicates the runners which are composed of wire and any suitable number might be employed and secured to posts in the usual or any approved manner.

B, indicates the stays. These stays are composed of sheet metal bent or shaped into "U" or "V" form in cross section. In forming the stays, I take a piece of sheet metal or other suitable material of a sufficient length and

width, and bend it so as to form a longitudinal trough, or shape it into a "V" or "U" in cross section, and provide the longitudinal edges with notches *a*, to receive the runners A. These stays are composed of two sections; an upper section *b*, and a lower section *c*, which sections are connected by a flexible or hinge joint. The cheapest and most convenient form of joint is produced by providing each section of stay at a sufficient distance from its adjacent ends and in the apex of the angle with a hole *d*, then bringing the two sections together and connecting them by a wire *e*, the ends of which may be twisted within the hollow portion of the stay, as shown at *f*.

In Fig. 2, the ends of the stay-sections are shown as slightly separated, while in Fig. 3, the ends slightly overlap.

D, indicates the securing wire; there being one employed for each runner. These wires straddle the stays on the sides thereof opposite to the runners and are wrapped around the runners on opposite sides of said stays so as to hold the notches of the latter against the runners.

From the foregoing it will be perceived that I have provided a strong and durable stay having two sections to each of which a number of runners may be readily connected, and a wire loosely connecting the said sections whereby the runners connected to one section may have a limited vertical and horizontal movement with respect to the runners connected to the other section.

In Fig. 4, of the drawings, I have shown the stays as formed substantially the same as in Fig. 1, but instead of having them directly connected by a hinge-joint, I arrange them in a staggering manner, using one section for the lower half and another for the upper half of the fence.

I am well aware that it is old to interpose a stay formed of two pieces of flat metal and wires connecting the same between two runners of a wire fence, and I therefore make no claim to the same, but

What I claim, and desire to secure by Letters Patent, is—

The herein described wire fence consisting essentially of a plurality of runners, and the stays comprising the sections *b*, *c*, formed of

sheet metal bent into "V" or "U" shape in cross section and having notches *a*, in their longitudinal edges at intervals in their length to receive the runners and also having apertures *d*, in the apex of their angles adjacent to their contiguous ends, the wires straddling the stays on the side thereof opposite to the runners and wrapped around said runners and the wires *e*, passed through the apertures *d*, of the sections *b*, *c*, and connecting the same, substantially as specified.

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

ISAAC K. HOLLINGER.

Witnesses:

D. P. IRWIN,
C. W. BRUNBAUGH.