P. W. & W. M. DILLON.

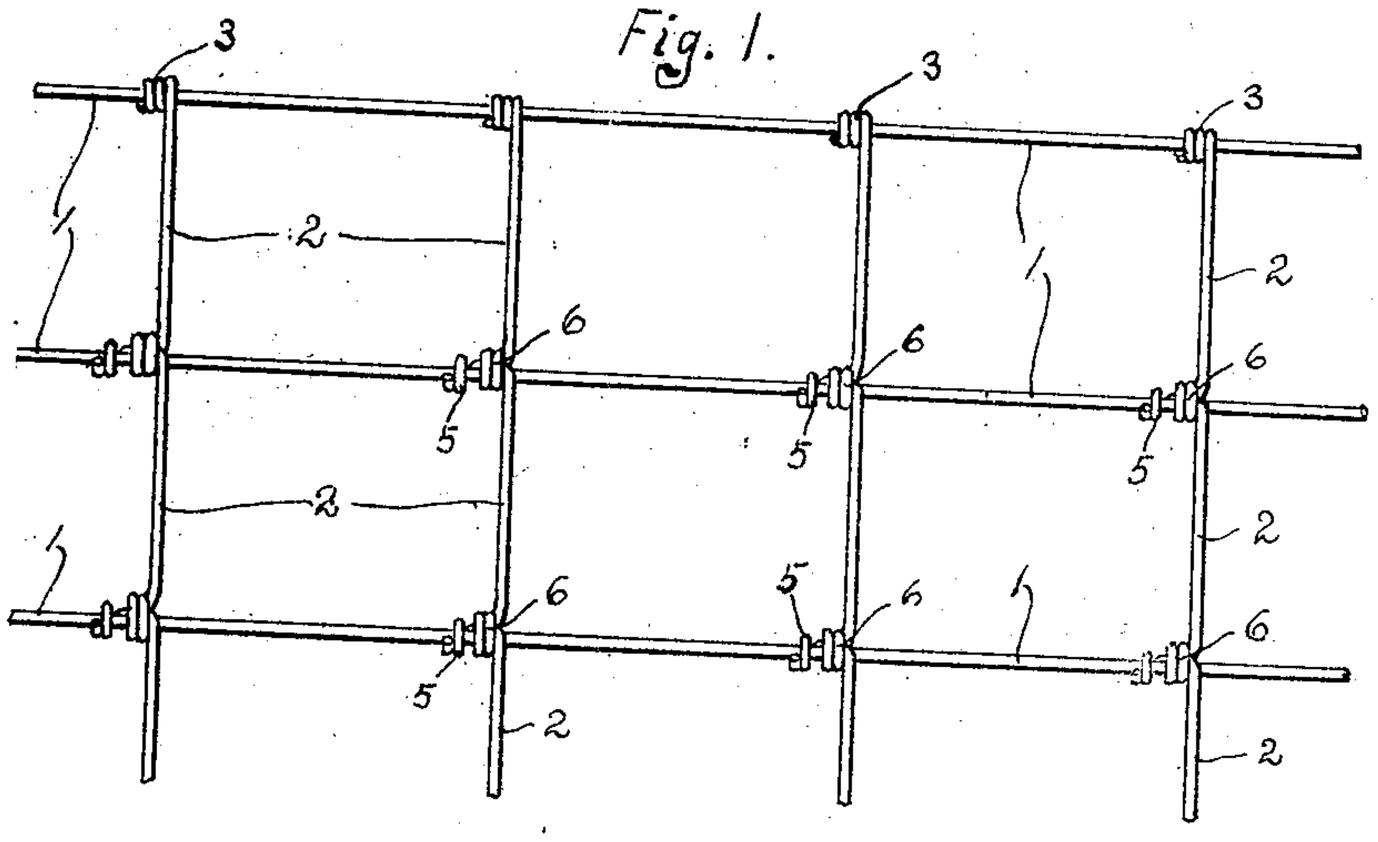
WIRE FENCE.

APPLICATION FILED SEPT. 21, 1908.

908,757.

Patented Jan. 5, 1909.

Fig. 1.



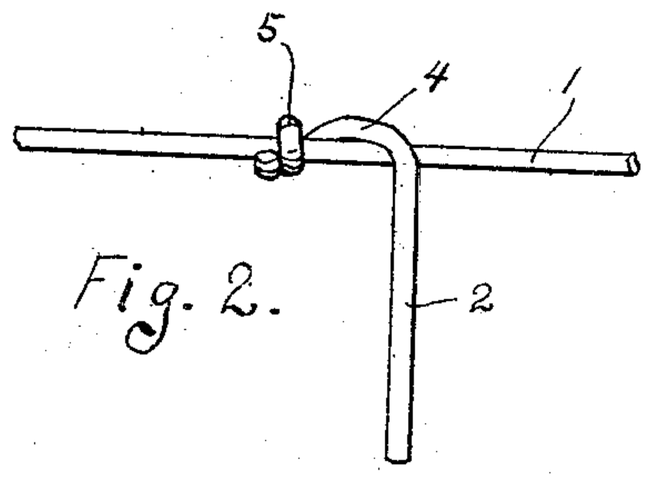


Fig. 2.

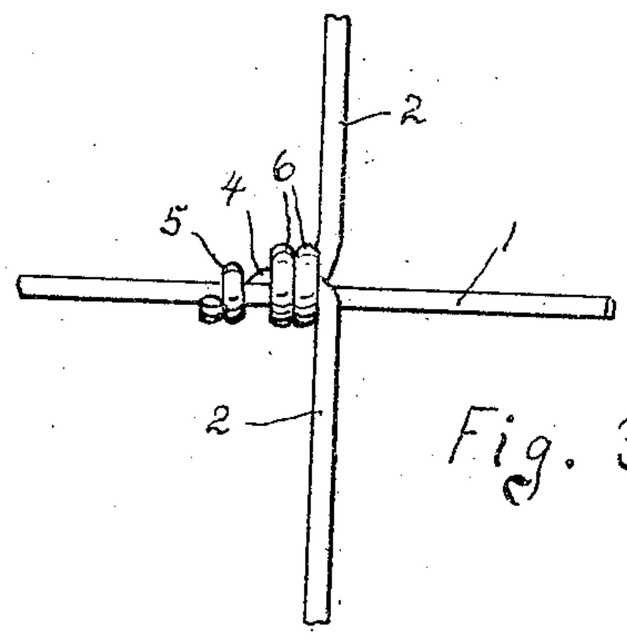


Fig. 3.

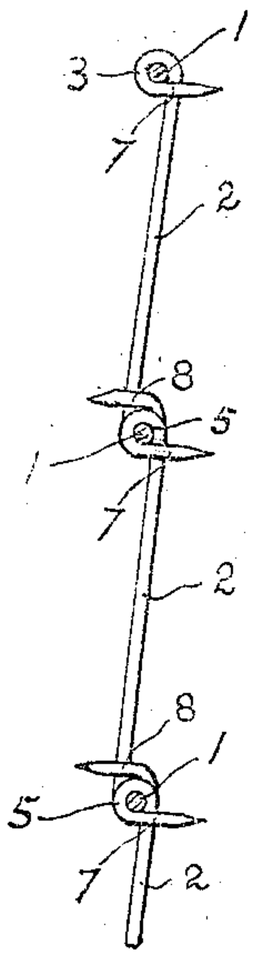


Fig. 4.

Witnesses

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UNITED STATES PATENT OFFICE.

PAUL W. DILLON AND WASHINGTON M. DILLON, OF STERLING, ILLINOIS.

WIRE FENCE.

No. 908,757. Specification of Letters Patent. Patented Jan. 5, 1909.

Application filed September 21, 1908. Serial No. 454,129.

To all whom it may concern:

Be it known that we, PAUL W. DILLON and WASHINGTON M. DILLON, citizens of the United States, residing at Sterling, in the county of Whiteside and State of Illinois, have invented certain new and useful Improvements in Wire Fences; and we 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

Our invention has reference to wire fences, of the style commonly known as "square mesh" fences, and pertains more especially to a novel means for securing the transverse, or stay wires, to the longitudinal wires of the fence.

In the drawings: Figure 1 is a section from a panel of fencing embodying our invention. Fig. 2 is an enlarged detail, showing the construction of the upper end of one of the stay wire sections. Fig. 3 is an enlarged detail, showing a complete tie, or interlocking of the ends of the stay wire sections, at the point of intersection with a strand wire. Fig. 4 is a partial section, vertically of the fence, showing a modified form thereof.

In the drawings similar parts are referred to by similar numbers throughout.

The fence is formed of a plurality of longitudinal or strand wires 1, separated at intervals by series of stay wire sections 2, each stay wire section uniting two adjacent strand wires, and the sections of each series being in substantial alinement transversely of the fence. The sections 2 are attached to the selvage wires of the fence in the usual manner by coils 3. At the points of intersection with the intermediate wires 1 the upper ends of the sections 2 are projected into bars 4, which extend diagonally across the upper sides of the strand wires, and end in coils 5, embracing such strand wires At their lower ends said sections 2 are provided with coils 6, which encircle the wire 1 and the bar 4 of the adjacent section 2.

If it is desired to form a rigid joint at the point of intersection of the stay wire sections with the strand wires, the coils 6 may be tightly wrapped about the bar 4 and wire 1, binding the same tightly together, and the coil 5 also tightly wrapped upon the strand wire. If, on the other hand it is desired to have a loose, or hinge joint at the point of intersection, the coils 5 and 6 may be more loosely wrapped, allowing a limited lateral movement of the strand wires, and rendering the fence more flexible in case of any force being exerted upon or against the same.

The lower ends of the stay wire sections are preferably passed on opposite sides of the strand wire, at the point of intersection therewith, but if desired, both ends of the stay wires can be carried on the same side of the strand wire, with the lower end of the stay wire on the outside of the bar 4, so as to be readily coiled thereon.

In Fig. 4 is shown a construction wherein the ends of the coils 5 and 6 are projected laterally from the fence in opposite directions, and pointed to form projecting barbs 7 and 8, respectively.

The provision of the extra coil 5 at the end of the bar 4 in addition to the coils 6, provides a greater amount of bearing upon the strand wire, at the point of intersection therewith, and lessens the liability of the stay wires to slip or get out of position on the strand wires.

What we claim as our invention and desire to secure by Letters Patent of the United States, is:

1. A wire fence fabric, comprising a series of horizontal strand wires, and plurality of vertical stay wires, each stay wire formed in sections provided at their upper ends with short bars extending diagonally across the strand wires on the upper sides thereof; coils on the lower ends of said stay wire sections, embracing said bars and the strand wires adjacent thereto; and means for attaching the ends of said bars to the strand wires, substantially as shown and set forth.

2. In a device of the class named, the combination of a plurality of strand wires 1; a plurality of stay wires, formed of sections 2, provided at their upper ends with

bars 4, and at their lower ends with coils 6, encircling the wire 1 and bar 4 of the next adjacent section 2; coils 5, integral with the bars 4, and securing said bars to the strand wires; barbs 7 on the coils 5, and barbs 8 on the coils 6, oppositely projected from the barbs 7, substantially as shown and for the purpose mentioned.

In testimony whereof, we affix our signatures, in presence of two witnesses.

PAUL W. DILLON.
WASHINGTON M. DILLON.

Witnesses:
SAMUEL WETZELL,
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