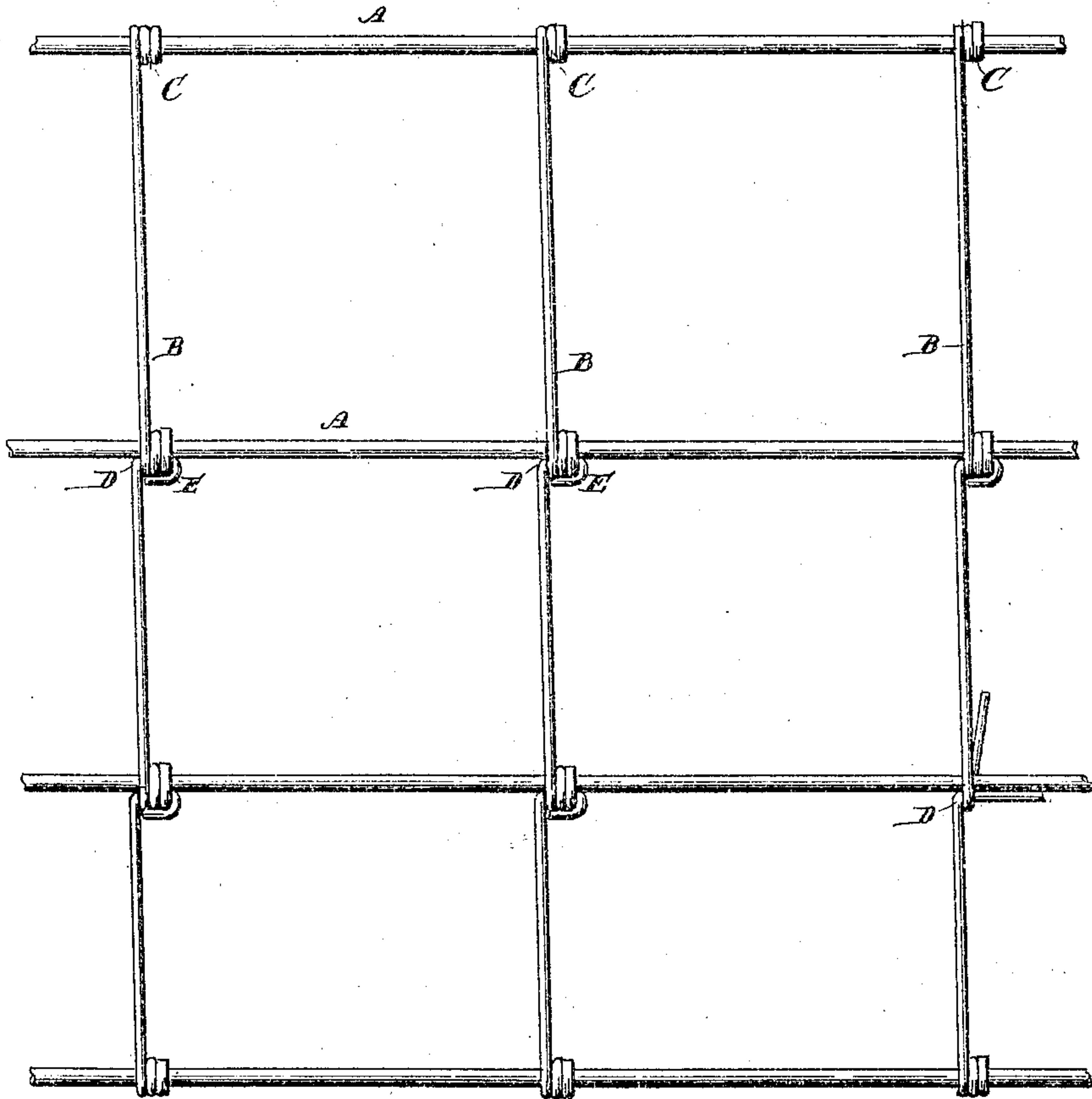


No. 788,497.

PATENTED APR. 25, 1905.

J. M. ST. JOHN.  
WIRE FENCE.

APPLICATION FILED FEB. 29, 1904



Witnesses

Charles  
H. Kubiček

Inventor

Justin M. St. John

# UNITED STATES PATENT OFFICE.

JUSTIN M. ST. JOHN, OF CEDAR RAPIDS, IOWA, ASSIGNOR TO J. M. DENNING, OF CEDAR RAPIDS, IOWA.

## WIRE FENCE.

SPECIFICATION forming part of Letters Patent No. 788,497, dated April 25, 1905.

Application filed February 29, 1904. Serial No. 195,943.

*To all whom it may concern:*

Be it known that I, JUSTIN M. ST. JOHN, a citizen of the United States, residing at Cedar Rapids, in the county of Linn and State of Iowa, have invented certain new and useful Improvements in Wire Fences, of which the following is a specification.

This invention relates to wire fences composed of a number of longitudinal strand-wires and plural stay or cross wires connecting them and formed of sections of wire spanning the spaces between the strand-wires, secured to said strand-wires and to each other.

The object of the invention is to produce a neat and strong fence of this type with an improved knot or tie to connect the sections of stay-wire to each other and to the strand-wires.

The nature of the invention will clearly appear from the description and claims following, reference being had to the accompanying drawing, in which a portion of fence is shown fully illustrating the invention.

In the drawing, A designates the horizontal strand-wires; and B the transverse stay-wires. These are made in sections of varying length, according to the relative spacing between the strand-wires. At the outer strand-wires the attachment is a simple coil C. At intermediate wires the connection must be to a strand-wire and also to another section of stay-wire. This is accomplished by making a bend in one stay-wire at D, so that a short portion of the stay-wire lies practically parallel with the strand-wire. Around the two is then wrapped or coiled the end of the other stay-wire, as shown. The tie is completed by turning back over the coil so formed the extending end of the stay-wire embraced by said coil, forming a loop or eye E. An unfinished knot at the right shows clearly the formation of the same. The completed knot gives the stay-wires a firm grip on each other and the connected strand-wires, making a connection not likely to slip sideways nor allow the strand-wires to be easily spread apart.

The finished fence has a neat and symmetrical appearance.

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

1. A wire fence comprising a plurality of longitudinal strand-wires, and a plurality of transverse stay-wires spanning the spaces between the strand-wires, the ends of the outer series of stay-wires being coiled around the outer strand-wires, and one end of each intermediate stay-wire being looped in the plane of the stay-wires, and the end of the connecting stay-wire being coiled to embrace the strand-wire and the adjacent part of said loop, the coil passing through said loop, substantially as shown and described.

2. In a wire fence composed of a plurality of longitudinal strand-wires, and transverse stay-wires spanning the spaces between said strand-wires, the described knot or tie for connecting ends of stay-wires, the same comprising a loop formed at the end of one stay-wire in the plane of the strand-wires, and a coil at the end of the connecting stay-wire embracing the strand-wire and the portion of said loop lying adjacent thereto, the coil passing through said loop, substantially as shown and described.

3. A wire fence composed of a plurality of longitudinal strand-wires, and a plurality of transverse stay-wires spanning the spaces between the strand-wires, said stay-wires being simply coiled around the outer strand-wires, but as to intermediate strand-wires being coiled at one end and looped at the other, the loop being in the plane of the strand-wires, and the coil passing through it and embracing the strand-wire and a part of said coil lying adjacent thereto.

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

JUSTIN M. ST. JOHN.

Witnesses:

FRANK FILIP,  
ROBERT ZOLLINGER.