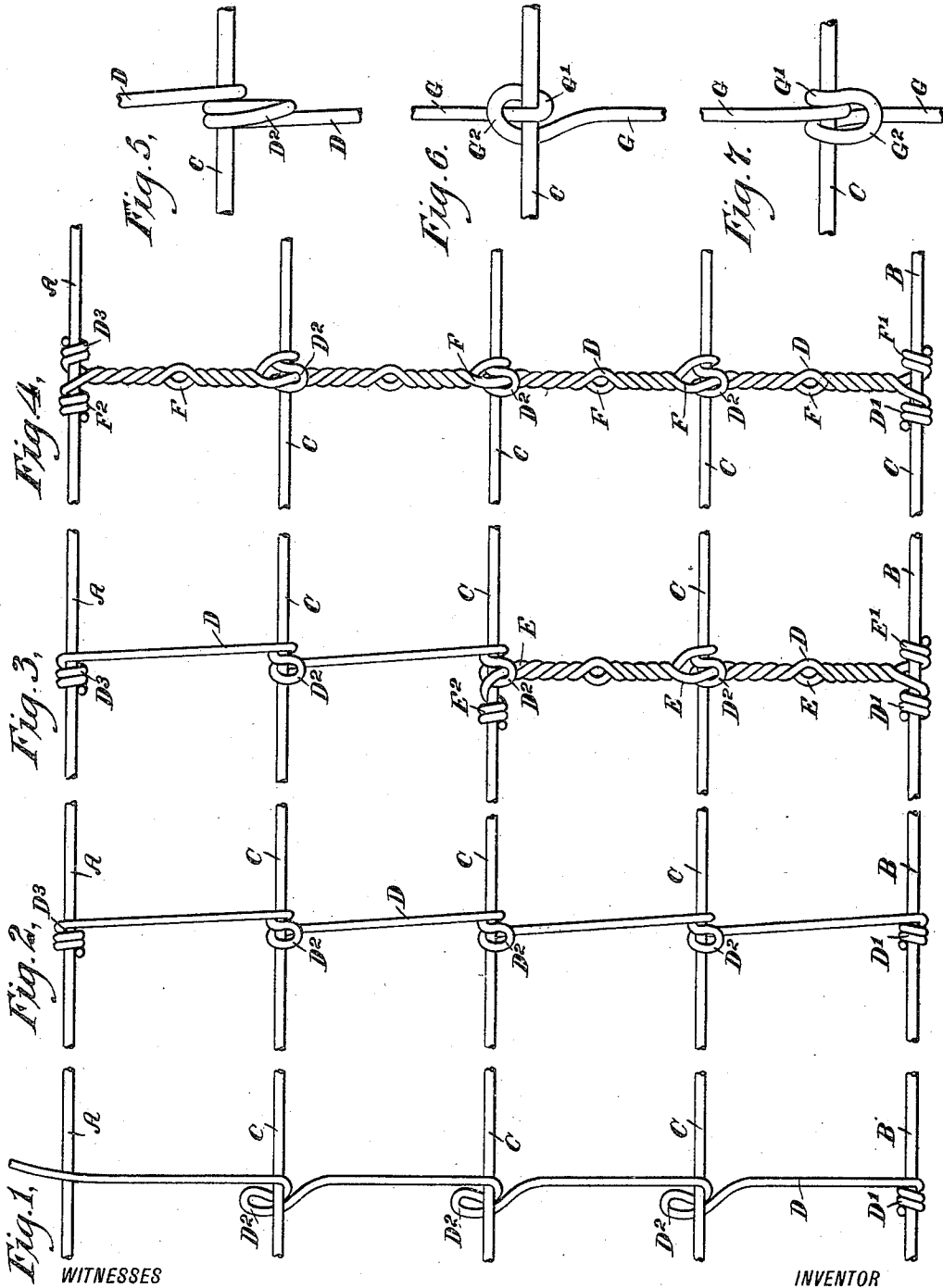


D. A. CLAWSON.
WIRE FENCE.
APPLICATION FILED JUNE 5, 1909.

971,972.

Patented Oct. 4, 1910.



WITNESSES
Edward Thorpe.
Reed H. Hester.

INVENTOR
Daniel A. Clawson
BY Munn & Co.
ATTORNEYS

UNITED STATES PATENT OFFICE.

DANIAL AARON CLAWSON, OF WAYNESVILLE, ILLINOIS.

WIRE FENCE.

971,972.

Specification of Letters Patent.

Patented Oct. 4, 1910.

Application filed June 5, 1909. Serial No. 500,449.

To all whom it may concern:

Be it known that I, DANIAL AARON CLAWSON, a citizen of the United States, and a resident of Waynesville, in the county of
5 Dewitt and State of Illinois, have invented a new and Improved Wire Fence, of which the following is a full, clear, and exact description.

The object of the invention is to provide
10 a new and improved wire fence formed of line wires stretched from post to post, and connected with each other by wire stays fastened to the line wires by twisting the ends of each stay wire around the top and bot-
15 tom line wires and doubling up portions of the stay wire and bending the same around the line wires intermediate the top and bottom line wires, so that the wire stay extends on opposite sides of the intermediate
20 line wires, the fence being preferably built with the aid of a wire fence machine, such as shown and described in the application for Letters Patent of the United States, Serial No. 500,448, filed by me under even date
25 herewith.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.
30

Figure 1 is a side elevation of the improvement and showing more particularly the first stage of attaching the stay to the line wires; Fig. 2 is a side elevation of the improvement and showing the stay in position on the line wires; Fig. 3 is a similar view of the same and showing the reinforcing wire twisted with a portion of the stay; Fig. 4 is a similar view of the improvement
40 and showing the reinforcing wire twisted with the stay the entire height thereof; Fig. 5 is a side elevation of the improved fence showing the doubled up portion twisted transversely; and Figs. 6 and 7 are side elevations of the improvement, showing the successive steps for forming a modified form of connection of the stay with the line wire.
45

The top line wire A, the bottom line wire B and the intermediate line wires C are stretched in the usual manner from post to post, and the said line wires are connected with each other at intervals by wire stays D, each of which has its lower end D' twisted around the bottom line wire B while
50 the connection between the stay D and the intermediate line wires C is formed by in-

tegral doubled up portions D², bent around the intermediate line wires C, as plainly indicated in Fig. 2, the upper end D³ of the stay being twisted around the top line
60 wire A.

In making the fence, the wire for the stay is first twisted around the bottom line wire B and then the wire is doubled up at points adjacent to the intermediate line wires C, to form the doubled up portions D², passed
65 around the rear of the intermediate line wires C, and then transversely in a forward direction around the intermediate line wires C to securely fasten the stay to the intermediate line wires. The upper end of the
70 wire for the stay is finally twisted around the top line wire A, so that the several line wires are firmly connected with each other, and an exceedingly strong and durable connection is had between the wire stay and the line wires, especially by the doubled up portions bent around the intermediate line wires in the manner described, to prevent the stay from slipping lengthwise of the line wires.
75 As the intermediate line wires C are bound in the stay D against up and down movement by the doubled up portions D² it is evident that an exceedingly strong and durable wire fence is produced.
80

As shown in Fig. 3, a reinforcing wire E connects with the lower portion of the wire stay D, and this reinforcing wire E has its lower end E' twisted around the bottom line wire B, the reinforcing wire also passing
85 through the eye formed by the middle of the doubled up portion D² engaging the two lowermost intermediate line wires C. The upper end of this reinforcing line wire E is twisted around the second intermediate line
90 wire C. In making this kind of fence, the end E' of the reinforcing wire E is first attached to the bottom line wire B, and the reinforcing wire is passed through the eye of the doubled up portion D² of the next intermediate line wire C, and then the two
95 wires D and E are twisted, and this operation is repeated between the intermediate line wires, and the upper end of the reinforcing wire E is finally twisted as at E²
100 to the middle intermediate line wire C.

As illustrated in Fig. 4, the reinforcing wire F is attached to the wire stay D in the same manner as shown in Fig. 3, except that the reinforcing wire F is connected with the
110 stay throughout the entire height thereof, the lower end F' being twisted around the

bottom line wire B and the upper end F² being twisted around the top line wire A, but the reinforcing wire F passes through the eyes of the doubled up portions D² at
 5 each connection with an intermediate line wire C.

In the form illustrated in Fig. 5, the doubled up portion D², after being bent around to the front of the intermediate line
 10 wire C, is twisted in a transverse direction, but otherwise the construction is the same as above described in reference to Figs. 1, 2, 3 and 4.

As shown in Figs. 6 and 7, the wire stay
 15 G is looped around each intermediate line wire C, as indicated by the loop G', and then a doubled up portion G² is formed, bent transversely to the front of the intermediate line wire (see Fig. 7) the same as the
 20 doubled up portion D² above described.

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

1. A wire fence, comprising stretched line
 25 wires, a wire stay connecting the line wires with each other, the wire stay having doubled up portions each looped around a corresponding line wire, each doubled up
 30 portion forming an eye, and a reinforcing wire passing through the eye and twisted with the wire stay.

2. A wire fence, comprising stretched line
 35 wires, a wire stay connecting the line wires with each other, the stay having doubled up portions looped around a corresponding line wire and forming an eye, and a reinforcing wire connected at its ends with line wires and passing through the said eyes.

3. A wire fence, comprising stretched top,

bottom and intermediate line wires, a wire
 46 stay having twisted ends engaging the said top and bottom line wires and having spaced
 48 doubled up portions intermediate the said twisted ends and looped around the said
 49 intermediate line wires, the said doubled up
 50 portions forming eyes, and a reinforcing wire twisted around the wire stay between
 51 adjacent line wires and passing through the eye of the doubled up portion.

4. A wire fence, comprising stretched top,
 50 bottom and intermediate line wires, a wire stay having twisted ends engaging the said
 51 top and bottom line wires and having spaced doubled up portions intermediate the said
 52 twisted ends and looped around the said in-
 53 termediate line wires, the said doubled up
 54 portions forming eyes, and a reinforcing wire twisted around the wire stay between
 55 adjacent line wires and passing through the eye of a doubled up portion, the twisted ends
 60 of the reinforcing wires engaging the top and bottom line wires.

5. A wire fence, comprising stretched line
 65 wires, a wire stay connecting the line wires with each other, the wire stay having
 66 doubled up portions, each looped around a corresponding line wire, and a reinforcing
 67 wire connected with the line wires and connected with the said stay at the doubled up
 68 portions.
 70

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

DANIAL AARON CLAWSON.

Witnesses:

JAMES POWERS,
 LEONARD KING.