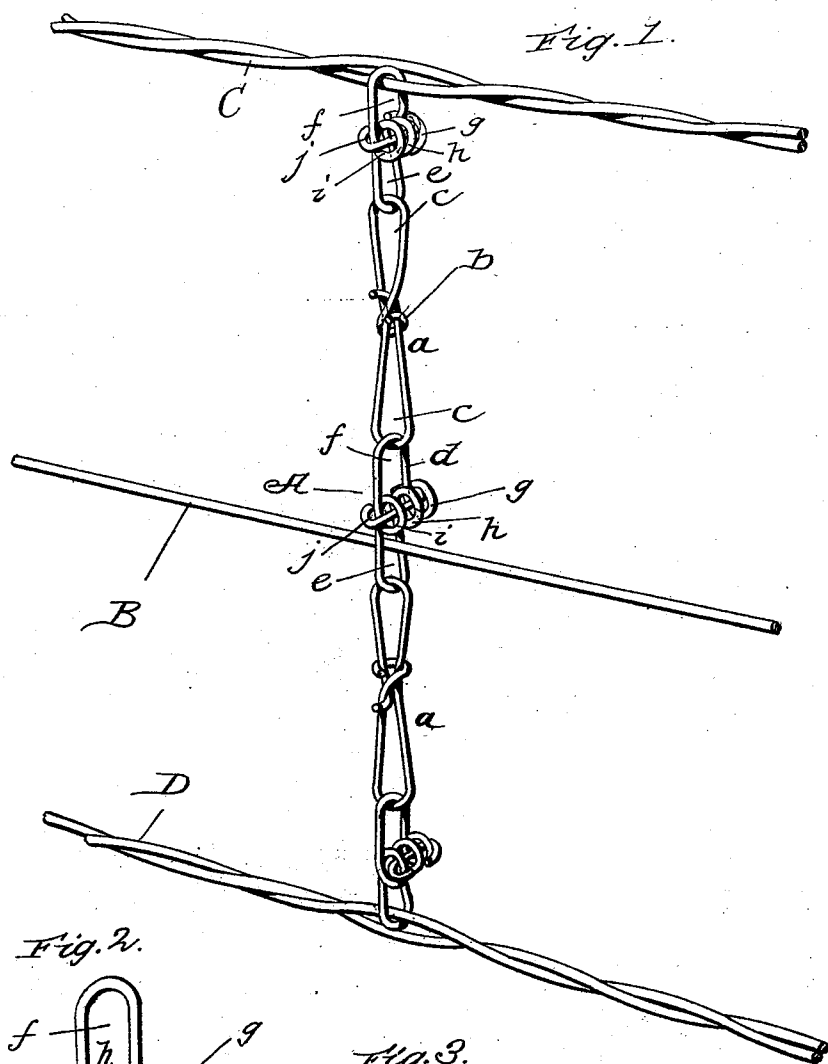


(No Model.)

H. BUCK.
WIRE FENCE.

No. 528,627.

Patented Nov. 6, 1894.



Witnesses:

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HENRY BUCK, OF MOUNT MORRIS, ILLINOIS.

WIRE FENCE.

SPECIFICATION forming part of Letters Patent No. 528,627, dated November 6, 1894.

Application filed July 28, 1894. Serial No. 518,862. (No model.)

To all whom it may concern:

Be it known that I, HENRY BUCK, a citizen of the United States, residing at Mount Morris, in the county of Ogle and State of Illinois, 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 in which chain stays are employed for the runners; and it has for its general object to provide a chain stay of a simple, cheap, and efficient construction and one which may be quickly and easily made and applied to the runners of a fence without the employment of skilled labor.

Other objects and advantages of the invention will appear from the following description and claims when taken in connection with the annexed drawings, in which—

Figure 1, is a perspective view of a portion of a wire fence embodying my invention. Fig. 2, is an enlarged, perspective view illustrating the manner in which the short links of the stay are formed, and Fig. 3, is a perspective view of the retaining loop of one of the short links.

As is well known to those skilled in wire fence building, it is desirable to make and place the stays in position after the line wires or runners have been stretched, inasmuch as the distance between the runners varies in accordance with the height of the fence. I have therefore aimed, as above stated, to provide a stay adapted to be made and applied at the time of building the fence and I will now proceed to describe the same.

In the drawings, A, indicates my improved stay. B, indicates the intermediate wire or runner which preferably comprises but a single strand, although it might comprise two or more, and C, D, respectively, indicate the top or crown and the bottom or base wires which preferably comprise two twisted strands. The strands of the upper wire C, are shown as twisted in a continuous manner while those of the lower wire D, are shown as reversely twisted, but it is obvious that the strands of both of said wires might be twisted in any suitable manner.

The stay A, comprises a suitable number of long links *a*, which are formed by bending a piece of wire and wrapping the ends of the same as indicated at *b*, so as to form loops *c*, and the short links *d*, which are designed to connect the long links and are also designed to receive or engage the runners or wires B, C, D, as shown. These short links *d*, are made by first bending a piece of wire so as to form the loops *e*, *f*, and the aligned eyes *g*, *h*, *i*, and then passing a piece of wire through the said aligned ends and bringing the ends of the same together so as to form a loop *j*. Links thus formed are very strong and durable and are adapted to connect the long links *a*, and receive the line wires or runners or one of the strands thereof through them in such manner that while said wires or runners may be allowed a vertical play, they will be limited from any undue vertical movement.

In applying the stay to a fence, I first connect the long and short links as shown without passing the wires forming the loops *j*, through the aligned eyes *g*, *h*, *i*, of the links *d*. I then pass that end of the upper short link which is provided with the eye *g*, between the strands of the upper wire C, and in a similar manner pass the end of the lower short link which has the eye *h*, between the strands of the lower wire D. I then place the intermediate runner or wire B, or one of the strands thereof if it is composed of twisted strands in one of the loops of the intermediate short link *d*, and when this has been done, I pass wires through the aligned eyes of the several short links and bend said wires so as to form the loops *j*. The manner described of attaching the upper and lower short links to the wires C, D, precludes the possibility of the stay sliding on the runners, and the manner of closing the short links by the loops *j*, effectually prevents casual disconnection of the several links. I have also found from experience that the long links *a*, may be made in the manner described, very quickly and easily, and that when so made they are very durable and are capable of resisting great strain.

In the practice of my invention, it is obvious that the stays will comprise a number of links in accordance with the height and number of line wires of the fence to which

they are applied and that they will be placed at such intervals apart as will best enable them to perform their functions.

Having described my invention, what I claim is—

5 1. A wire fence comprising the top and bottom wires, respectively composed of two strands wrapped together, and a stay having links *d*, at its upper and lower ends; the said
10 links being formed of wire and having loops to engage strands of the top and bottom wires and loops for the connection of the intermediate portion of the stay and also having the aligned eyes *g, h, i*, and a wire passed through
15 said eyes, all substantially as specified.

2. In a wire fence, the combination of an intermediate line wire or runner, top and bottom wires respectively composed of two strands wrapped together, and a wire chain

stay comprising the short end links engaging 20 the strands of the top and bottom wires and having the loops *e, f*, the aligned eyes *g, h, i*, and a wire passed through said eyes, the short intermediate link similar in construction to the end links and having one of its 25 loops receiving the intermediate line wire or runner or one of the strands thereof, and the long links interposed between and connected with the end links and the intermediate links and having the loops *c*, all substantially as 30 and for the purpose set forth.

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

HENRY BUCK.

Witnesses:

CHAS. NEWCOMER,
R. D. MCCLURE.