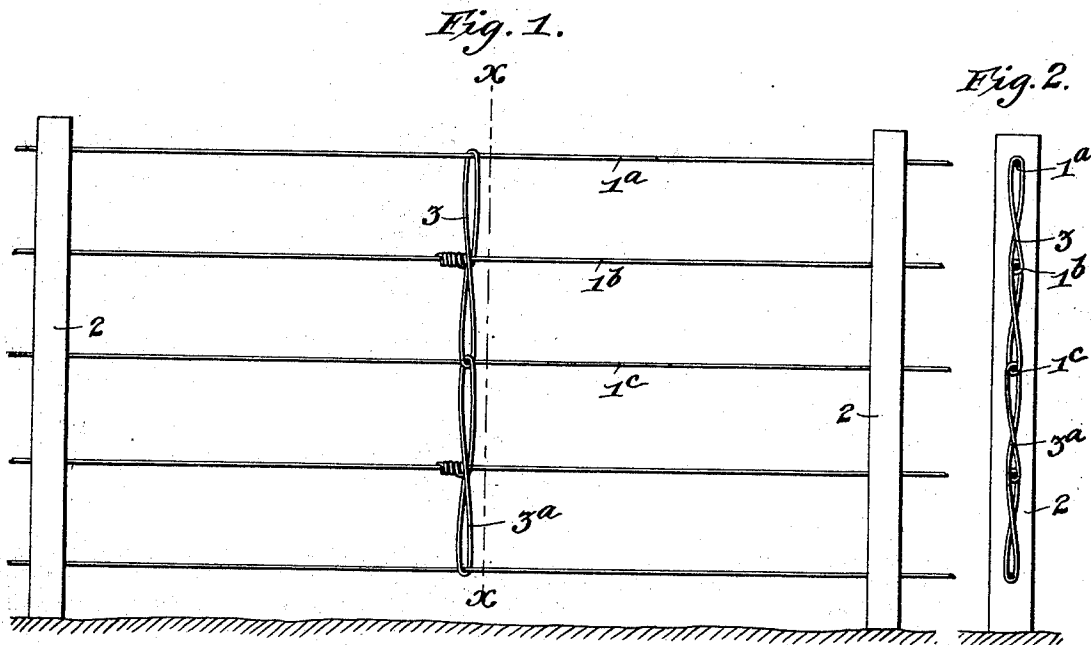


(No Model.)

O. C. & P. B. MORELAND.
WIRE FENCE.

No. 509,755.

Patented Nov. 28, 1893



Witnesses

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UNITED STATES PATENT OFFICE.

OSCAR C. MORELAND AND PIERSE BUTLER MORELAND, OF HENDERSON,
KENTUCKY.

WIRE FENCE.

SPECIFICATION forming part of Letters Patent No. 509,755, dated November 28, 1893.

Application filed April 6, 1893. Serial No. 469,374. (No model.)

To all whom it may concern:

Be it known that we, OSCAR C. MORELAND and PIERSE BUTLER MORELAND, citizens of the United States, residing at Henderson, in the county of Henderson and State of Kentucky, have invented certain new and useful Improvements in Wire Fences; and we do hereby 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.

A serious drawback to the more general introduction of wire fences has been the liability of the separate strands thereof to become broken, unless made of a large size, which is expensive.

Our invention therefore has for its object to provide an economical tie or binder, whereby the several strands of the fence may be united in such a manner that a pressure exerted upon one will be transmitted to the others, which will thus assist in resisting the strain, and for this purpose it consists in the details of construction, arrangement and combination of the several parts of which it is composed, as will be hereinafter more fully described and claimed.

Referring to the accompanying drawings in which corresponding parts are designated by similar marks of reference: Figure 1 is an elevation of a panel of a wire fence having our invention applied thereto. Fig. 2 is a transverse vertical section taken on line $x-x$ of Fig. 1.

The longitudinal wires or strands 1^a , 1^b , 1^c , &c., are stretched between the posts 2, as is well known, and are secured to each other by the ties or binders 3, in which latter resides the gist of our invention.

A binder 3 formed of a wire of a suitable length, has its one end brought near to a longitudinal wire (say 1^b) of the fence, and has its opposite end carried upwardly and rearwardly around the superimposed longitudinal wire (say 1^a) and brought down in front of the first named wire (1^b) and thence carried rearwardly to the wire below (say 1^c) from which it is carried forwardly and up-

wardly to the first named wire (1^b) around which latter the two ends are finally twisted, thus contracting the two oppositely situated loops formed by the binder and drawing the wires passing therethrough (1^a and 1^c) downwardly and upwardly respectively, toward the middle wire (1^b). A similar binder 3^a is secured on each alternate strand or wire of the fence, the upper and lower loops of the contiguous binders being engaged by each other as is shown. By this construction it will be seen that all the strands of the fence are securely tied together and that no one strand can be moved either upwardly or downward without imparting a similar movement to all the strands below or above the said strand, as the case may be, and that no one strand can be bent longitudinal without causing a corresponding movement of the strands both above and below it, whereby the strain on the strand is transmitted to the others, thus requiring a much greater power to break or injure it.

Having thus described the nature of our said invention and in what manner the same is to be applied, what we claim, and desire to secure by Letters Patent of the United States, is as follows:

A binder for wire fence strands, consisting of a single piece of wire, having its opposite ends secured to a common strand of the fence by twisting, the portions of the said binder near each of its said ends being carried beyond the contiguous strands on the opposite sides of the common strand, and passed rearwardly thereover, the middle portion of the said binder being passed in the front of the said common strand, whereby the said several strands are fastened together, substantially as described.

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

OSCAR C. MORELAND.
PIERSE BUTLER MORELAND.

Witnesses:
LUKE M. CHEANEY,
R. SCROGIN EASTIN.