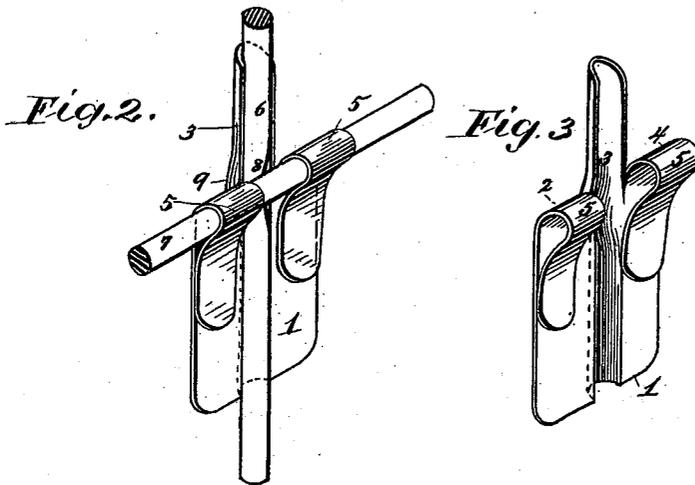
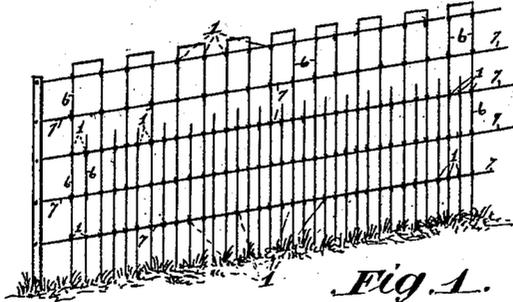


(No Model.)

D. W. AYLWORTH & N. B. LESLIE.
CLAMP.

No. 516,291.

Patented Mar. 13, 1894.



Witnesses
E. H. [Signature]
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Inventors
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UNITED STATES PATENT OFFICE.

DANIEL W. AYLWORTH AND NOBLE B. LESLIE, OF CLEVELAND, OHIO.

CLAMP.

SPECIFICATION forming part of Letters Patent No. 516,291, dated March 13, 1894.

Application filed August 29, 1893. Serial No. 484,344. (No model.)

To all whom it may concern:

Be it known that we, DANIEL W. AYLWORTH and NOBLE B. LESLIE, citizens of the United States, and residents of Cleveland, county of Cuyahoga, State of Ohio, have invented certain new and useful Improvements in Clamps, of which we hereby declare the following to be a full, clear, and exact description, such as will enable others skilled in the art to which it appertains to make and use the same.

Our invention relates to improvements in clamps for horizontal wires in wire fences, and the object of the invention is to provide a rigid but detachable form of clamp which can be easily put in place and will form a simple and well appearing joint.

Our invention consists in the sheet metal clamp with the overlapping bands and details of construction and arrangement of the various parts as hereinafter described, shown in the accompanying drawings and more specifically pointed out in the claim.

In the drawings Figure 1 is a view of a section of wire fence provided with our improved form of clamps. Fig. 2 is a view in isometric perspective of a single wire crossing provided with a clamp. Fig. 3 is a view of the detached clamp ready shaped for attachment.

In the drawings 1 is a plate formed by means of suitable dies in approximately three equal vertical divisions 2, 3, and 4 the central division being grooved to fit the vertical wire 6, at the point of crossing and the side divisions being separated by vertical cuts therefrom to nearly half the length of the clamp. The side divisions are then turned down in loops 5, 5 to inclose the horizontal or cross wire 7 and so set as to clasp it rigidly. When the vertical wire 6 passes the horizontal 7 it is pref-

erably bent at 8 and a corresponding curve is formed at 9 in the central division of the clamp to accommodate the projection caused thereby. The loops 5, 5 can easily be bent to inclose the wire if the clamp is not formed of spring metal and unbent to release it again.

The advantages of the device are obvious in its great simplicity and efficiency, since perfect bracing is effected in every direction and a perfect union of the parts results. This clamp is neat in appearance and being small large numbers can be carried on the person.

Our invention is not limited in application to wire fences but can be employed in any situation where structures are formed by crossed wires.

Having described our invention, what we claim as new, and desire to secure by Letters Patent, is—

The herein described clamp for fence wires and the like consisting of a sheet metal plate provided with a central longitudinal groove, said plate being provided at one end with parallel slits or cuts extending along the opposite sides of one end of said groove where by partially detached side portions are formed, said side portions being bent over to form loops and having their extremities pressed down flat against the body portion of said plate below said loops, the axes of said loops being aligned with one another and arranged at right angles to the said longitudinal groove, substantially as set forth.

DANIEL W. AYLWORTH.
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Witnesses:

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