

(No Model.)

J. W. GRISWOLD.
WIRE FENCE.

No. 575,345.

Patented Jan. 19, 1897.

Fig. 1.

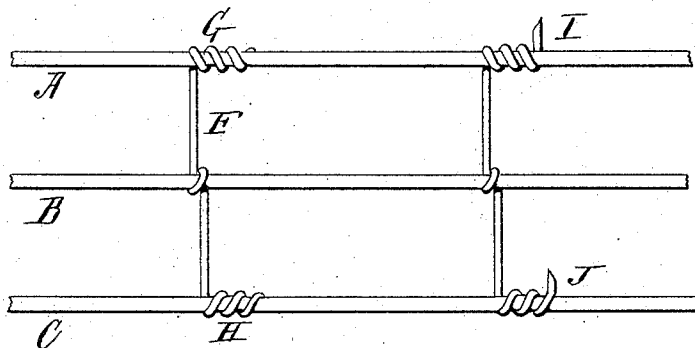
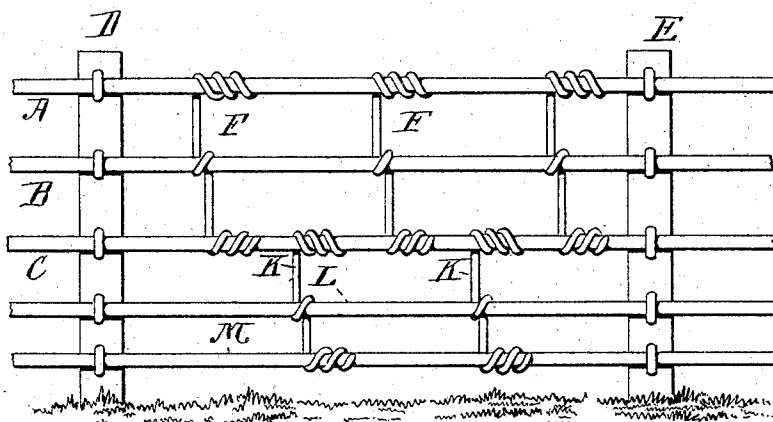


Fig. 2.



WITNESSES:
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WIRE FENCE.

SPECIFICATION forming part of Letters Patent No. 575,345, dated January 19, 1897.

Application filed April 4, 1896. Serial No. 586,156. (No model.)

To all whom it may concern:

Be it known that I, JOHN WOOL GRISWOLD, of Troy, Rensselaer county, New York, have invented a new and useful Improvement in Wire Fences, of which the following is a specification.

My invention relates to a woven-wire fence composed of longitudinal wires and cross-wires extending transversely of said longitudinal wires and united thereto by twisting.

My invention consists in the construction of the woven-wire fence hereinafter more particularly described, which embodies, broadly, three parallel longitudinal wires and a transverse wire secured at its middle portion to the middle longitudinal wire by twisting and having its ends twisted, respectively, around the outer longitudinal wires.

In the accompanying drawings, Figure 1 shows the construction of my aforesaid fence in side elevation. Fig. 2 shows a panel of my said fence wherein are present several longitudinal and transverse wires.

Similar letters of reference indicate like parts.

A, B, and C are three parallel longitudinal wires which may be stretched between fence-posts, as D E, and secured in any convenient way.

F is a transverse wire which is wrapped or twisted at its middle portion around the middle wire B. The extremities of the wire F are wrapped or twisted, respectively, around the outer wires A and C, as shown at G and H. I may bend the extremities of the wire F to protrude so as to form barbs, as shown at I and J.

In constructing a fence-panel of several wires, as shown in Fig. 2, a transverse wire, as K, may be wrapped or twisted at its middle portion around a longitudinal wire, as L, and have its ends wrapped or twisted around the adjacent longitudinal wires C and M. The transverse wires K are preferably placed alternating or staggered in position with the transverse wires F.

This fence is easily manufactured and is inexpensive, strong in construction, and not liable to become loose or sagged under ordinary strain.

The special advantage of this invention resides in the fact that it can be made economically by a very simple process, which is substantially as follows: The stay-pieces are

successively twisted about the middle runner by means of the ordinary barbed-wire-twisting machine at their middle portions. The two outer runners are disposed parallel to the middle runner and are provided with means for moving them through the twisting-machine. As the middle runner is carried forward, with the ends of the stay-pieces projecting laterally, these ends meet the two parallel outer runners and by means of the twisting apparatus are wrapped about them. The consequence is that the manufacture goes on continually, and, as will be apparent, the possibility of doing so depends upon the twisting of the stay-pieces first around the middle wire, thus obtaining a support for it until its extremities can be brought to the side wires and to them connected also by twisting.

I claim—

1. In a wire fence, the combination of three longitudinal wires and a series of parallel transverse wires, each transverse wire being wrapped or twisted at its middle portion around the middle longitudinal wire and having its ends respectively wrapped or twisted around the outer wires, substantially as described.

2. In a wire fence, the combination of parallel longitudinal wires A, B, C, L, M, transverse wires F having each its middle portion wrapped or twisted around the wire B and its ends respectively wrapped or twisted around the wires A, C, and transverse wires K having each its middle portion wrapped or twisted around the wire L and its ends respectively wrapped or twisted around the wires C, M, substantially as described.

3. In a wire fence the combination of parallel longitudinal wires A, B, C, L, M, transverse wires F having each its middle portion wrapped or twisted around the wire B and its ends respectively wrapped or twisted around the wires A, C, and transverse wires K having each its middle portion wrapped or twisted around the wire L and its ends respectively wrapped or twisted around the wires C, M; the transverse wires K and transverse wires F alternating in position, substantially as described.

JOHN WOOL GRISWOLD.

Witnesses:

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