

H. M. VAUGHAN.
Barbed Fence-Wire.

No. 212,874.

Patented Mar. 4, 1879.

Fig. 1.



Fig. 2.

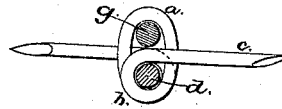
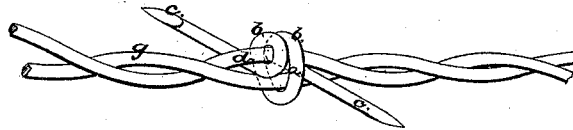


Fig. 3.



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HENRY M. VAUGHAN, OF NEWTON, IOWA.

IMPROVEMENT IN BARBED FENCE-WIRE.

Specification forming part of Letters Patent No. **212,874**, dated March 4, 1879; application filed July 27, 1877.

To all whom it may concern:

Be it known that I, HENRY M. VAUGHAN, of Newton, in the county of Jasper and State of Iowa, have invented an Improved Barb and Fence-Wire, of which the following is a specification:

The object of my invention is to produce a strong, flexible, and durable barbed fence wire or cable by twisting two strands together, and binding them at short intervals of space by means of wire ties that produce rigidly-fixed two-pointed barbs.

It consists in doubling the short pointed wire ties around one strand, and wrapping or coiling their ends around the other strand in opposite directions, to allow their points to project in reverse ways, as hereinafter fully set forth.

Figure 1 of my drawings is a perspective view of a distended tie and barb, and illustrates the peculiar form and construction thereof. *a* is the center of a pointed piece of wire doubled into the form of a loop, adapted to inclose one of the strands of a doubled and twisted fence-wire cable. *b b* are eyes, formed by coiling the ends of the loop *a* in opposite directions around one of the strands. *c c* are the barbs, standing in reverse ways.

Fig. 2 is a cross-sectional view of my improved barb and fence-wire cable, and illustrates the manner of applying the tie and forming a rigidly-fixed two-pointed barb and a bound flexible cable that cannot untwist. *d* represents

one of the strands, around which the tie *a b c* is wrapped, and then doubled over the second strand, *g*, and brought back and wrapped around the strand *d* again in an opposite direction, to tie the two strands together, and to allow the ends of the tie to stand out as barbs in reverse ways.

Fig. 3 is a perspective view of a section of my complete barbed and twisted and bound fence-wire cable.

I am aware that strands of wire have been twisted together and barbed to make wire fences; but I claim that my manner of tying and binding together two strands, and at the same time and by the same means forming and fixing rigid barbs, is novel and produces an improved article of manufacture.

I claim—

The combination, with a fence-cable composed of two wires twisted together, of a single two-pointed barb-wire, connected to said cable, as herein described and represented, the connection being as if made by bending the barb-wire at its middle against the cable-wire *g*, and its two upwardly-extended limbs over and around the cable-wire *d*, the pointed or barb portions of the limbs passing out straight, but in opposite directions, from between the cable-wires.

HENRY M. VAUGHAN.

Witnesses:

THOMAS ARTHUR,
ED. C. MORRISON.