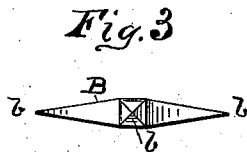
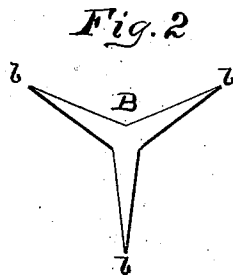
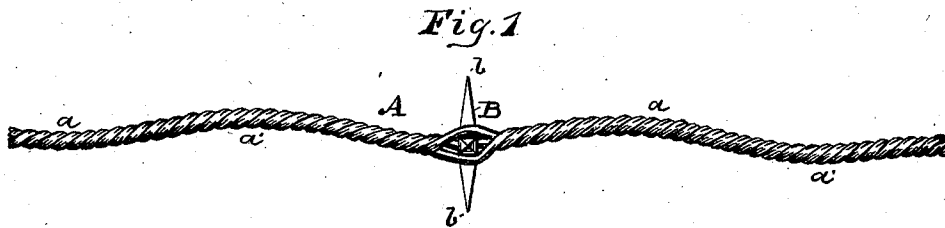


P. WINEMAN.
BARBED FENCE WIRE.

No. 176,725.

Patented April 25, 1876.



Witnesses:
L. Van Renswick.
D. G. Stuart

Inventor:
Parker Wineman
By A. M. Gallum
Atty

UNITED STATES PATENT OFFICE.

PARKER WINEMAN, OF ROCK ISLAND, ILLINOIS.

IMPROVEMENT IN BARBED FENCE-WIRES.

Specification forming part of Letters Patent No. **176,725**, dated April 25, 1876; application filed March 10, 1876.

To all whom it may concern:

Be it known that I, PARKER WINEMAN, of Rock Island, in the county of Rock Island and State of Illinois, have invented certain new and useful Improvements in Barbs for Fence-Wires, &c.; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to wire fences, more particularly to wire fences which are designed for use in inclosing the pasture-fields of farms, or for confining cattle; and the invention consists in a new and improved barb device to be used in connection with a wire fence for the purpose of preventing the animals thereby inclosed from leaning or pushing against the fence and breaking down the same.

In the accompanying drawings, Figure 1 is a plan view of a portion of a wire fence, showing my improvements. Fig. 2 is a plan view of my improved barb device, and Fig. 3 is an elevation of the same.

Referring to the parts by letters, A represents a portion of a wire fence constructed of three strands or wires twisted into the form of a rope, and to which is given a curvilinear or wave-line form, as indicated by the letters *a a'*, so that it will be, in a measure, elastic when stretched and secured to the posts, and may expand or contract as influenced by the varying temperature to which it is exposed without straining the posts, and without losing its tension through expansion or breaking through contraction, the serpentine or curvilinear form of the wire permitting of the expansion and contraction of the metal without materially affecting its general tension or destroying its efficiency as a fence.

I have shown a fence-cable composed of three strands of wire; but it will be evident to those skilled in the art that a single curvilinear wire will possess the same advantages as regards expansion and contraction, and therefore I do not limit myself to the use of any specific number of wires or strands of wire.

B represents my improved barb device, which I prefer to make of wrought-iron from bars of metal of suitable form; but it may be made of steel or any suitable metal possessing the requisite degree of rigidity or hardness, strength, and toughness. The barb B has three points radiating from a common center, at which point the metal is thickest, and from whence it gradually tapers on all sides toward the points.

Great rigidity and strength is secured by the pyramidal form thus given to the projecting points of barb. The pyramids all abut against and support each other at the point of juncture, so that the points of the device cannot be bent or turned aside by the pressure of the animal's body, but will be sure to penetrate the skin and give pain, thereby causing the animal to keep at a safe distance from the fence thereafter.

I have shown the barb device having three points; but it may have more, if desired, the number of points being immaterial so long as they are made in the form shown and described.

The barb device may be readily applied to a three-strand wire fence, such as I have heretofore described, the points projecting from between the strands of the coil, as shown by the drawings.

I also coat the barb with tin or other non-corrosive material, so that it will not become oxidized by exposure to the weather and impart poisoned wounds to the animals which may come in contact with it.

Having thus described my invention, what I desire to secure by Letters Patent is—

The barb device B, constructed, as described, with three points, *b*, radiating and tapering on all sides from a common center, in combination with the three-strand wire cable A, substantially as and for the purpose specified.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

PARKER WINEMAN.

Witnesses:

D. G. STUART,
JOS. T. K. PLANT.