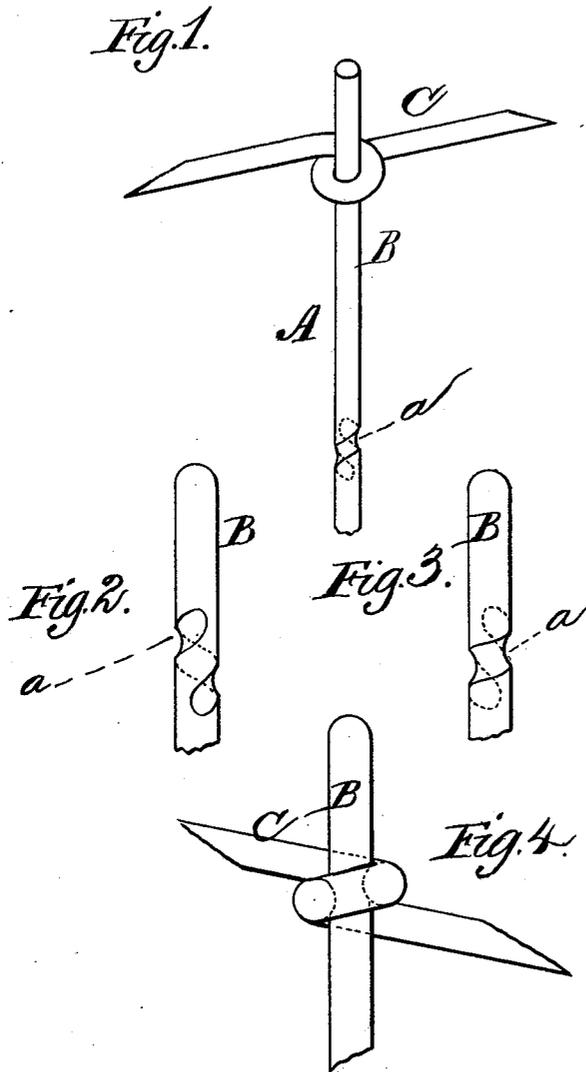


J. DOBBS.  
BARB FENCE-WIRE.

No. 190,836.

Patented May 15, 1877.



WITNESSES  
*Villette Anderson.*  
*Francis J. Clasi.*

INVENTOR  
*John Dobbs,*  
*by E. W. Anderson,*  
ATTORNEY

# UNITED STATES PATENT OFFICE.

JOHN DOBBS, OF VICTOR, IOWA.

## IMPROVEMENT IN BARBED FENCE-WIRE.

Specification forming part of Letters Patent No. **190,836**, dated May 15, 1877; application filed July 29, 1876.

*To all whom it may concern :*

Be it known that I, JOHN DOBBS, of Victor, in the county of Iowa and State of Iowa, have invented a new and valuable Improvement in Wire Fences; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a perspective view of a section of wire provided with the barb. Figs. 2 and 3 are detail views, showing the screw-threaded groove *a*; and Fig. 4 is a top view of a wire to which a barb has been applied.

This invention has relation to improvements in barbed-wire fences; and it consists in the construction and novel arrangement of spiral-shaped grooves, made at intervals in the fence-wire to receive the coil or twist of the barbs, as hereinafter shown and described.

In the annexed drawings, the letter *A* designates a section of a wire fence made up of a suitable number of horizontally-arranged spaced wires, *B*. These wires are provided, at suitable distances apart, with screw-shaped grooves *a*, into which the barbs are snugly seated by means of a suitable clamping-instrument. These barbs will be *U*-shaped, and made of a single piece of (preferably) round wire, and they will be twisted once around the wire, and deeply seated in the grooves *a* by the clamp, the pointed ends of the said barbs being extended beyond the wire on opposite sides of the fence. By this means the barbs, being seated in the screw-

shaped grooves in the wire, will be rigidly held from rotating on the same, and, also, from sliding along the wire toward each other.

I am aware that a fence-wire provided at intervals with spiral twists, into which the barbs are seated with their ends turned outward at right angles to the fence, has heretofore been employed. I therefore lay no claim to such device.

I am also aware that a *U*-shaped barb-blank, adapted to be forcibly clamped on a wire in such a manner as to indent its sides, is old, and I do not, therefore, claim such invention.

Instead of the *U*-shaped blank I may use a straight piece of wire, which will be bent around the fence-wires, and seated in the screw-threaded grooves *a*.

I am aware that it is not new to twist the wire of a fence into helical form, and to inter-twist therewith the helical central portion of a barb; also that it is not new to secure a barb which has been twined around a wire by compression; hence I do not claim such inventions.

What I claim as new, and desire to secure by Letters Patent, is—

The fence-wire herein described, having the interspaced surface-grooves *a* running spirally around the wire, into which grooves the barb-wires are coiled or twined, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOHN DOBBS.

Witnesses:

J. C. GRIDLEY,  
WM. ELLIOTT.