(No Model.)

A. DELFFS.

BARBED WIRE FENCING.

No. 490,187. Patented Jan. 17, 1893.

Fig. 2.

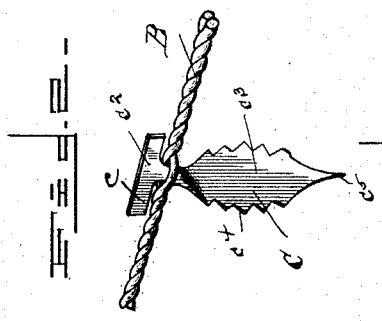


Fig. 3.

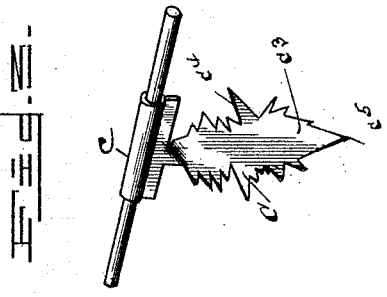


Fig. 1.

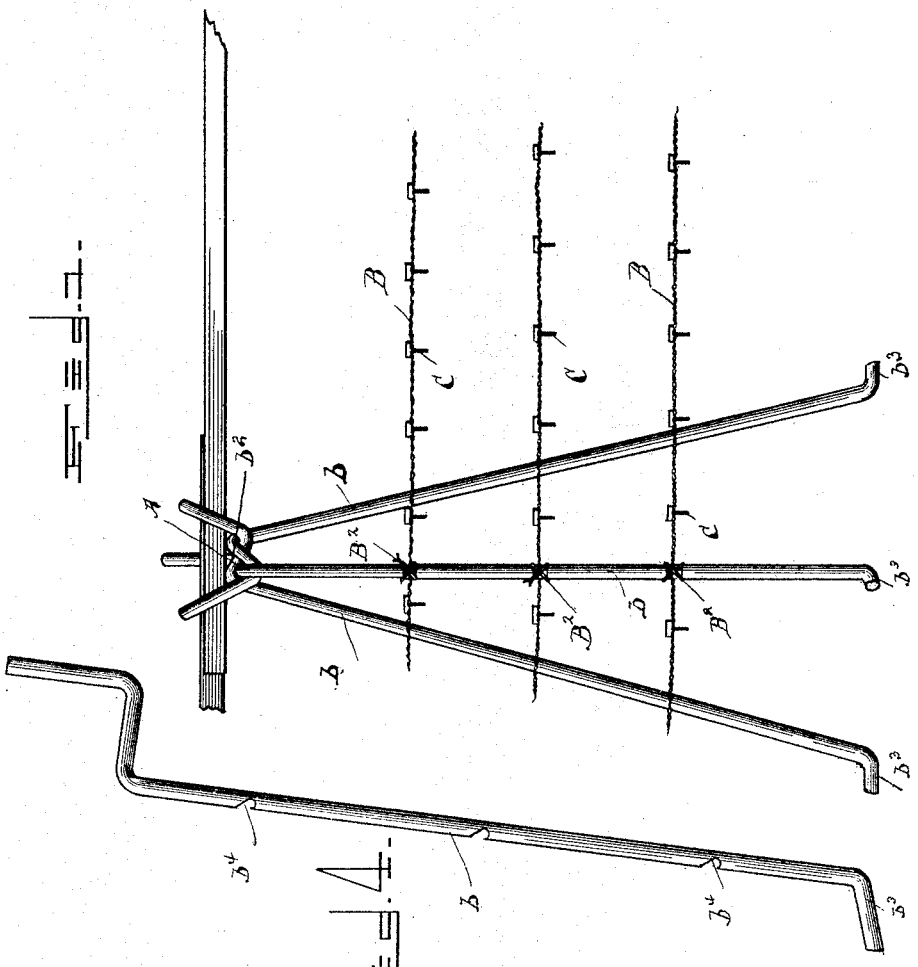
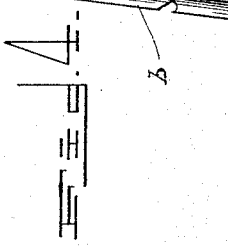


Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

ARNOLD DELFFS, OF BEDFORD, TENNESSEE, ASSIGNOR OF ONE-HALF TO THOMAS G. PARKS, OF SAME PLACE.

BARBED-WIRE FENCING.

SPECIFICATION forming part of Letters Patent No. 490,187, dated January 17, 1893.

Application filed July 6, 1892. Serial No. 439,098. (No model.)

To all whom it may concern:

Be it known that I, ARNOLD DELFFS, a citizen of the United States of America, residing at Bedford, in the county of Bedford and State of Tennessee, have invented certain new and useful Improvements in Barbed-Wire Fencing, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates generally to improvements in fences, and particularly to that class known as barbed wire fences.

The object of the invention is to produce a barbed wire fence with the barbs arranged thereon in a novel manner whereby the usual objections to this class of fencing viz. injury to the cattle, shall be entirely obviated; furthermore to employ such peculiar construction and arrangement of parts, that shall prove strong, durable and thoroughly efficient in use and at the same time, indestructible in case of fire. A further object being to provide a novel form of post capable of being readily placed in position without the necessity of preparing "post holes," thus reducing the cost of constructing a fence to the minimum.

The invention further contemplates the provision of a barb of such peculiar design, whereby it may be readily and conveniently secured in position on the main wires at a comparatively small cost of manufacture; furthermore whereby said barb may be easily substituted in lieu of the objectionable forms now in use; furthermore, whereby said barb may be secured on a single wire or in the twist of double wires, with equal convenience.

With these objects in view, the invention consists in a barbed wire fence, comprising the posts, which are preferably constructed entirely of metal, each post being formed of three uprights, or standards and secured in a manner, somewhat similar to stacked guns with fixed bayonets, that is to say, in the form of a tripod, the upwardly projecting ends above the point of securement, forming a sort of basket for the reception of rails; furthermore, the single or double fence wires being held in position on said posts by a tie of flexible or pliable wire, said fence wires having secured at approximately equidistant points a novel form of barb, which after being inserted in the twist or clamped on a single wire, is bent at right angles to the line of fencing, thus presenting serrated edges and a downwardly projecting point.

Furthermore, the invention consists in various novel details of construction, hereinafter to be more particularly described and pointed out in the claims.

In describing my invention in detail, reference is had to the accompanying drawings, wherein similar letters of reference indicate corresponding parts in the several views, in which,

Figure 1, is a view in side elevation of a fence embodying my improvement. Fig. 2, is a detail view in perspective of the barb, shown in position on the wires. Fig. 3, is a view of a modified form of the same, and Fig. 4, is a detail view of one of the standards, shown detached.

In these drawings: A, indicates the post, B, the main or fence wires, and C, the barbs. These posts are formed of three uprights or standards b, secured at a point b^2, where said standards are bent at an angle, somewhat similar to a fixed bayonet, as is clearly shown in Fig. 1. The lower end of each standard being suitably bent to form feet b^3, and being further provided with a series of notches b^4, which are adapted to receive and retain the fence wires B. These wires may be single or double, and in the latter instance, the barb C, would be similar to those shown in Figs. 1 and 2, wherein c, represents the head c^2, the neck around which the wires B, are twisted, c^3, an approximately heart-shaped body portion having irregularly shaped sides, said sides being serrated as shown and c^4, the downwardly projecting point. The body portion, that is to say, the portion below the neck, is designed to be bent at right angles to the line of fencing thus presenting the engaging points and at the same time, obviating the great objection to fences of this class, to wit, lacerating and otherwise injuring the cattle, as will be obvious.

In Fig. 3, a modified form of barb is shown, wherein the head is tubular and adapted to be clamped in position on either a single or twisted wire. Furthermore, it will be understood that either form herein shown may be used as a substitute in lieu of the common forms in use at the present date.

The numerous advantages of this improved form of barb will be at once obvious from the foregoing description.

It will be particularly noted that various changes may be made in the detail construction of the invention, without departing from the general idea involved.

Having fully described my invention, what I claim and desire to secure by Letters Patent is:

1. In a fence, the combination with the fence wires, of the barbs fixed thereon, said barbs comprising the head and body portions and necks connecting the same, said body portion being formed with serrated edges and standing at right angles to said fence wires, substantially as and for the purpose described.

2. In a fence, the combination with the fence wires of the posts, and the barbs comprising a rectangular head portion a heart-shaped body portion having serrated edges and standing at right angles to said head portion and a neck portion around which the wires are twisted to secure said barb in position, substantially as and for the purpose described.

3. In an improved form of fencing, the barb having a head c, neck c^2, the heart-shaped body portion c^3, the latter having serrated edges c^4, and the downwardly projecting points c^5, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

ARNOLD DELFFS.

Witnesses:
E. T. MALLARD,
JO. P. BRANTLEY.