

(No Model.)

J. CARPENTER.
BARBED FENCE STRAP.

No. 258,887.

Patented June 6, 1882.

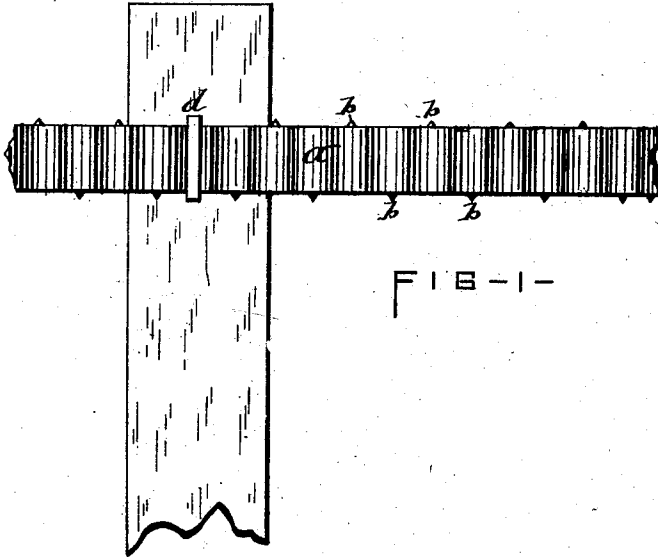


FIG-1-

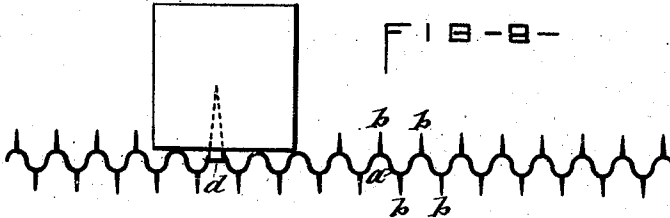


FIG-2-

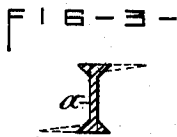


FIG-3-

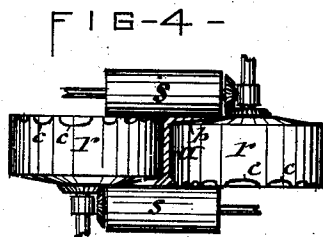


FIG-4-

WITNESSES—

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UNITED STATES PATENT OFFICE.

JAMES CARPENTER, OF MORAVIA, NEW YORK.

BARBED FENCE-STRAP.

SPECIFICATION forming part of Letters Patent No. 258,887, dated June 6, 1882.

Application filed February 4, 1882. (No model.)

To all whom it may concern:

Be it known that I, JAMES CARPENTER, of Moravia, in the county of Cayuga, in the State of New York, have invented new and useful Improvements in Barbed Fence-Straps, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

The nature of this invention consists in a novel construction of a metallic strap having enlarged or re-enforced edges and transversely crimped or corrugated surfaces and barbs pressed laterally out of said re-enforced edges alternately at opposite sides of the strap and from the convex side of the corrugations, said strap being secured edgewise on the fence and presenting straight or unbroken top and bottom edges. The strap constructed as aforesaid retains its full width throughout its length. The barbs pressed or struck out of the enlarged edges of the strap, and being nearly or quite at right angles to the plane thereof, stiffen the strap, and the projection of the barb from the convex sides of the corrugation renders the same more prominent, and thus requires less length of the barb. The corrugations allow the strap to expand and contract under the variations of the temperature of the weather, and thus prevent excessive sagging, as well as undue tension of the strap.

The invention also consists in a novel method of forming the aforesaid barbed strap, all as hereinafter fully explained.

In the accompanying drawings, Figure 1 is front view of my improved barbed fence-strap. Fig. 2 is an edge view of the same. Fig. 3 is a transverse section of the strap, showing its form as it issues from the rolls of the rolling-mill; and Fig. 4 illustrates the mode of forming the barbs.

Similar letters of reference indicate corresponding parts.

a represents the metallic strap or band, having enlarged or re-enforced edges, as shown in Fig. 3 of the drawings. The body of said strap is bent serpentine, as best seen in Fig. 2 of the drawings, so as to present crimped or corrugated surfaces and straight or unbroken top and bottom edges, as illustrated in Fig. 1 of the drawings.

b b denote the barbs pressed or struck out

of the re-enforced edges of the strap nearly or quite at right angles from the plane of the strap, and projecting alternately in opposite directions and respectively from the convex side of the corrugations.

This barbed corrugated strap I construct by first rolling out a band of iron having enlarged or re-enforced edges, as shown in Fig. 3 of the drawings, then passing this band between corrugated rollers *rr* or corrugated dies pressing against opposite sides of the strap, and simultaneously bringing to bear against the two edges of the strap two rollers, *ss*, as illustrated in Fig. 4 of the drawings, the rollers *rr* producing the corrugations or crimping of the strap, while the rollers *ss*, in conjunction with the projecting edges of the aforesaid rollers, press out of the re-enforced edges of the strap the barbs *b b*. The projecting edges of the rollers *rr* are provided with rabbets *cc* of proper size to allow portions of the enlarged edges of the strap *a* to pass between the rollers without distorting or pressing the same. Said rabbets are arranged in such relative positions as to produce by the intervening solid projections of the rollers *rr* the barbs *b b* alternately at opposite edges of the strap and outward from the convex portions of the corrugations, thereby making them more prominent and effective. The described strap *a* is secured to the fence-post by staples *d* driven into the post and striding the concave portions of the corrugations thereof, thereby preventing the strap from slipping endwise.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The strap *a*, having enlarged or re-enforced edges and transversely crimped or corrugated surfaces, and barbs *b b*, pressed or struck out of said re-enforced edges, substantially as set forth.

2. The strap *a*, formed with enlarged or re-enforced edges and with crimped or corrugated surfaces, and the barbs *b b*, pressed or struck out of said enlarged edges at the convex side of the corrugations and alternately in opposite directions from the plane of the strap, substantially as described and shown.

3. The within-described method of forming barbed fence-straps, consisting in first rolling

out the strap with enlarged or re-enforced edges,
then corrugating said band and pressing out
of the enlarged edges thereof barbs standing
in opposite directions from the plane of the
5 strap, substantially as described.

In testimony whereof I have hereunto signed
my name and affixed my seal, in the presence

of two attesting witnesses, at Syracuse, in the
county of Onondaga, in the State of New York,
this 11th day of January, 1882.

JAMES CARPENTER. [L. S.]

Witnesses:

C. H. DUELL,
WM. C. RAYMOND.