

G. C. BAKER.
Fence Barb and Barbed Wire Cable.

No. 233,832.

Patented Nov. 2, 1880.

Fig. 1

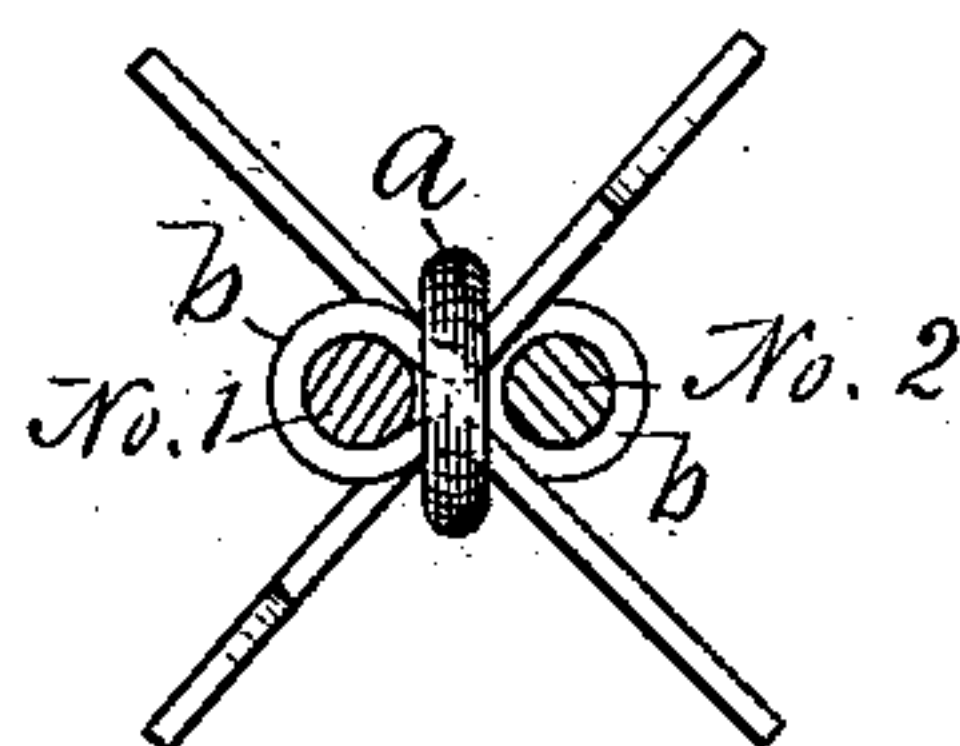
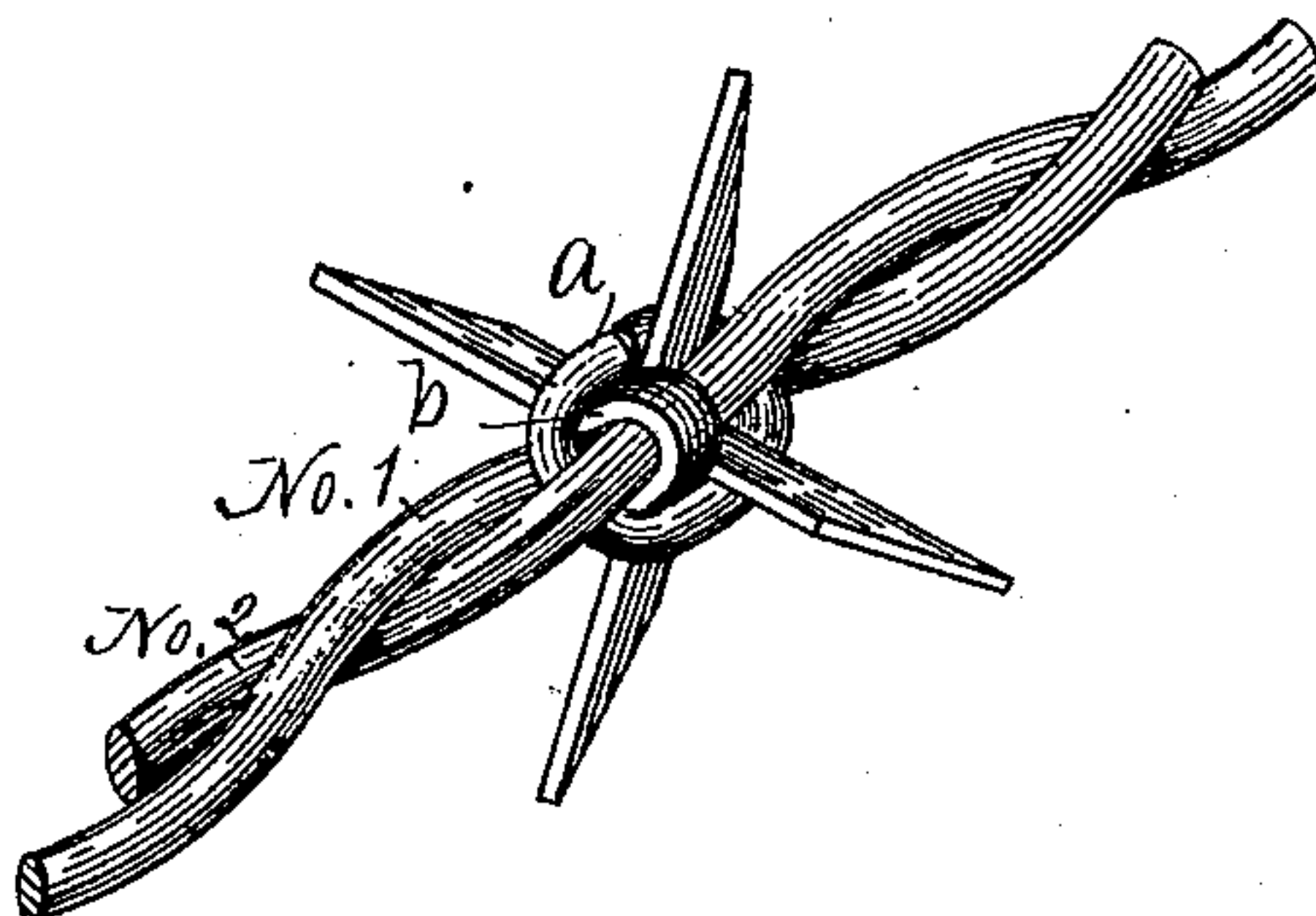


Fig. 2



Witnesses:
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Inventor:
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UNITED STATES PATENT OFFICE.

GEORGE C. BAKER, OF DES MOINES, IOWA.

FENCE-BARB AND BARBED-WIRE CABLE.

SPECIFICATION forming part of Letters Patent No. 233,832, dated November 2, 1880.

Application filed January 12, 1880.

To all whom it may concern:

Be it known that I, GEORGE C. BAKER, of Des Moines, in the county of Polk and State of Iowa, have invented an Improved Fence-Barb and Barbed-Wire Cable, of which the following is a specification.

My invention relates to that class of fence-barbs and barbed-wire cables in which two uniform barb-pieces are applied to the cable-strands to form four-pointed and interlocked barbs at intervals, and to reciprocally bind the cable-strands together to prevent them from separating at any point where the complete cable may be cut or broken off; and my improvement consists in the manner of combining two staple-shaped barb-pieces, two cable-strands, and a ring to produce an improved interlocked barb and barbed cable, as hereinafter fully set forth.

Figure 1 of my drawings is a transverse section of my improved barbed cable. Fig. 2 is a perspective view of a short piece of the complete barbed cable. Together they clearly illustrate the construction and utility of my improved barb and cable.

a represents a small ring, that may be formed of wire or stamped from sheet metal. In constructing a four-pointed barb, and also at the same time tying the cable-strands together, I place the ring *a* between two parallel cable-strands, so that it will be clamped fast by the contiguous strands, and thereby held in position to receive the two barb-pieces. After the ring *a* is thus placed in position I take one of the staple-shaped barb-pieces *b* and place it astride the cable-strand No. 1, and pass its prongs jointly through the ring *a*, to extend outward and at right angles over the contiguous cable-strand No. 2. I next place the second staple-shaped barb-piece astride of the cable-strand No. 2, and pass its prongs jointly through the ring *a* in the opposite direction from which the prongs of the first staple-shaped barb-piece were passed through the same ring. The two contiguous cable-strands Nos. 1 and 2 are thus separately inclosed in the separate and closed ends of the staple-shaped barb-pieces, and both the barb-pieces are jointly inclosed by the ring; or the barb-pieces may be put in place on the cable-strands and the ring then formed around their

prongs. By then simply twisting the cable-strands together and spreading apart the prongs of each of the barb-pieces that project in diverse ways from the central ring, *a*, all the elementary parts—the two cable-strands Nos. 1 and 2, the two staple-shaped barb-pieces *b b*, and the ring *a*—are reciprocally clamped together and interlocked to produce a firmly-fixed four-pointed barb and a complete barbed cable that is compactly bound together by means of the barb, as required, to prevent the cable-strands from untwisting and separating.

I am aware that two wire barb-pieces have been combined with two contiguous cable-strands by twisting and coiling in various ways to reciprocally bind the cable-strands together and to produce fixed four-pointed barbs.

I am also aware that a single staple-shaped barb-piece and a clamping-ring made of sheet metal or wire in various ways have been combined with a single fence-wire, and also with a two-stranded cable, to produce two-pointed and four-pointed barbs, by passing the prongs of a staple-shaped barb-piece over the fence-wire or the cable-strands and clamping it fast thereto by means of a ring, or by winding a piece of wire around the prongs and then spreading the prongs; but cable-strands thus jointly inclosed in one and the same staple-shaped barb-piece are practically the same as one wire, and do not prevent the complete barb from sliding on the cable, and do not assist in reciprocally binding all the parts together as contemplated by my invention, in which the cable-strands are separately inclosed in separate staple-shaped barb-pieces and the prongs of the two staple-shaped pieces jointly inclosed in a retainer-ring, and that ring clamped by and between the two cable-strands and retained in place by the reciprocal and diversely-directed forces of the two staple-shaped barb-pieces and the two cable-strands, as required to interlock and bind all the parts firmly together to produce an improved barb and barbed-wire cable.

I therefore do not claim that the combination of a staple-form barb-piece with a ring and a fence wire or cable is novel; but

What I do claim as my invention, and desire to secure by Letters Patent, is—

5 The combination, with the two twisted cable-strands and a ring interposed between the said strands, of the two staple-shaped barbpieces, which pass through said ring from opposite sides and inclose the two twisted cable-

strands, and are bent outward, as shown, for the purposes specified.

GEORGE C. BAKER.

Witnesses:

FRANK W. HEERS,
R. G. ORWIG.