

(No Model.)

R. SERGEANT.

WARNING DEVICE FOR WIRE FENCES.

No. 299,169.

Patented May 27, 1884.

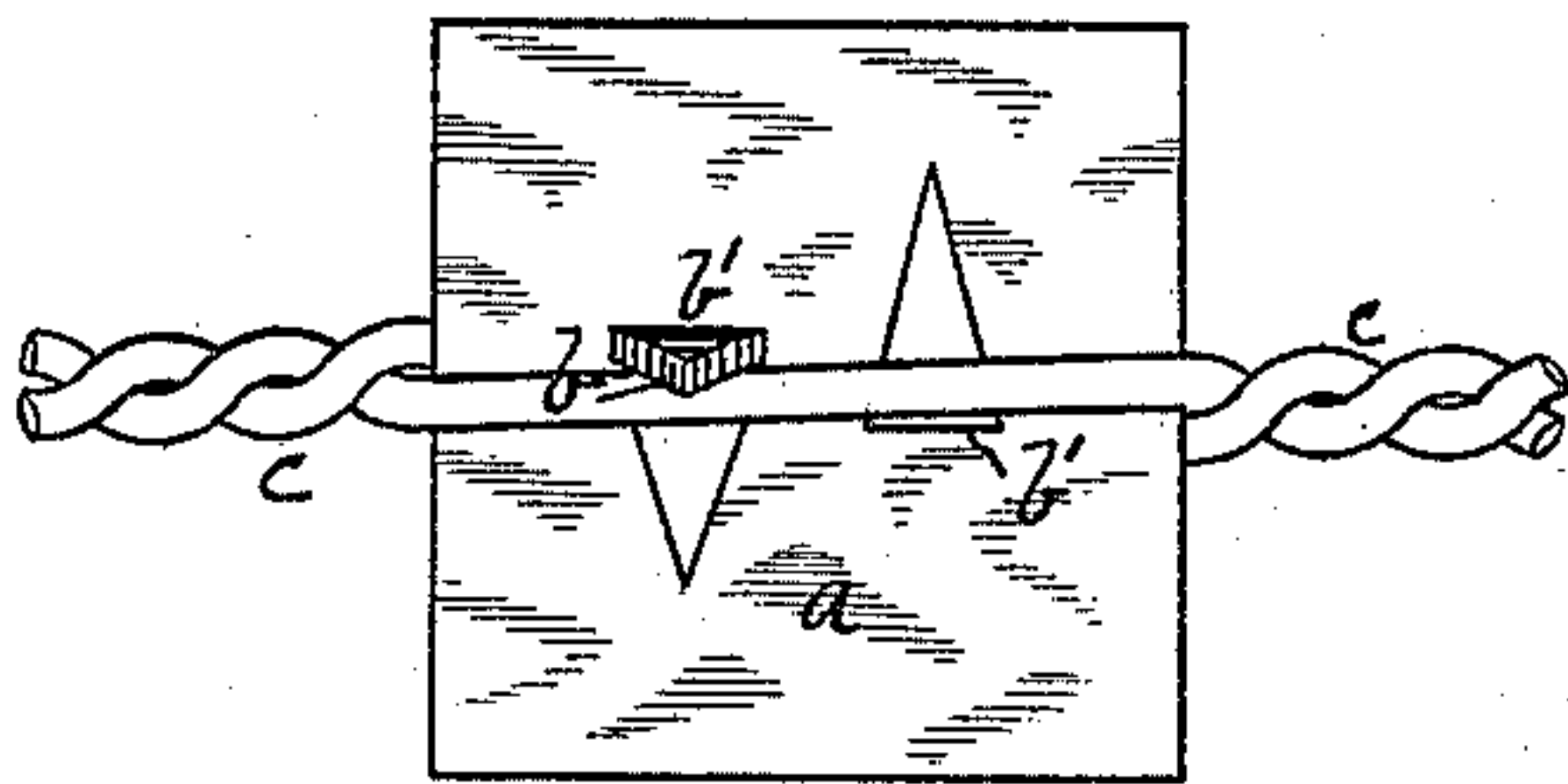


Fig. 1.

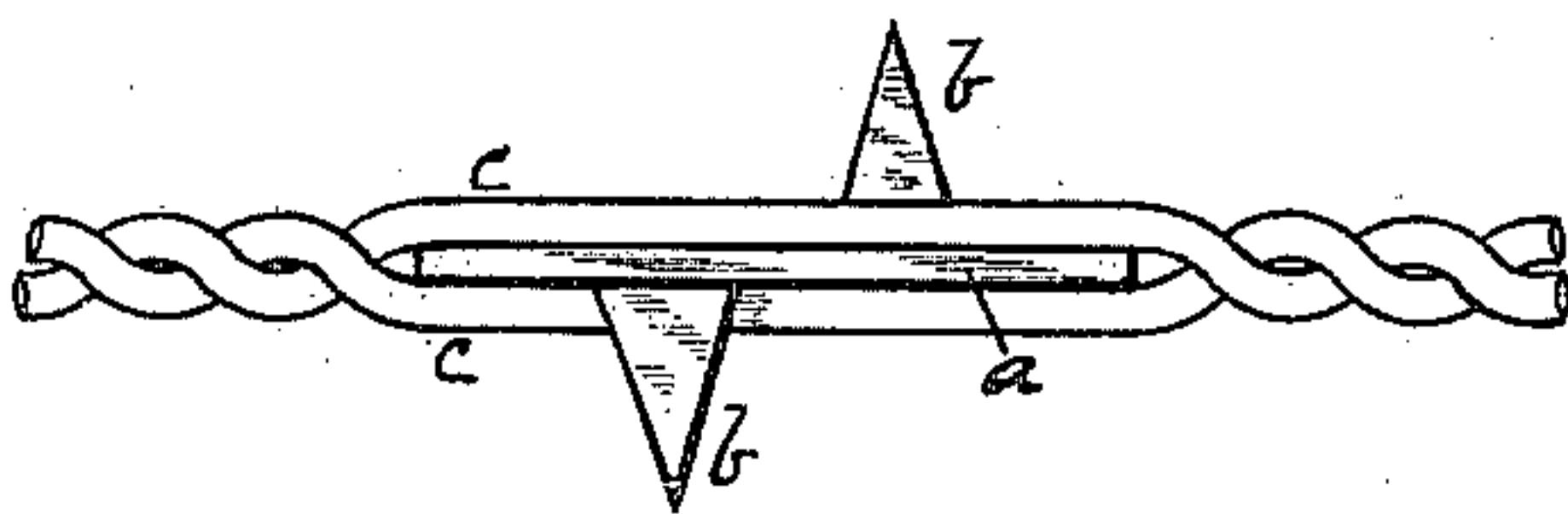


Fig. 2.

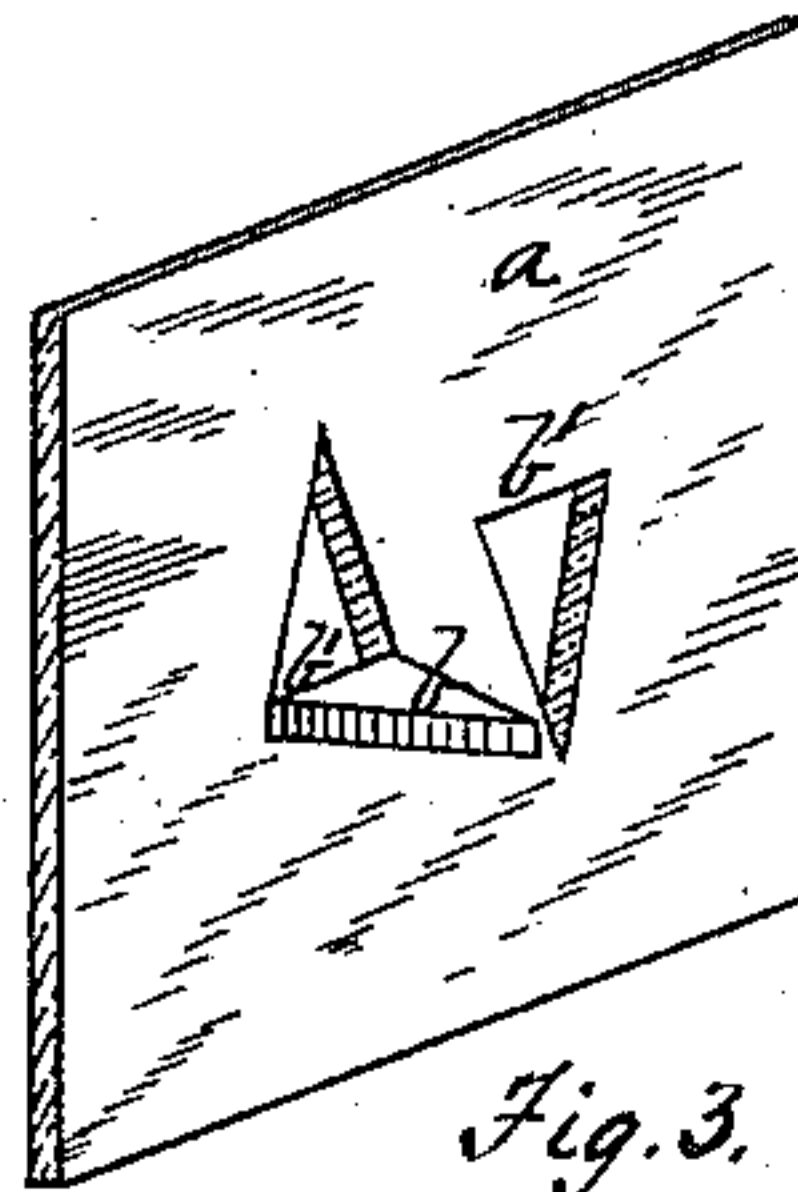


Fig. 3.

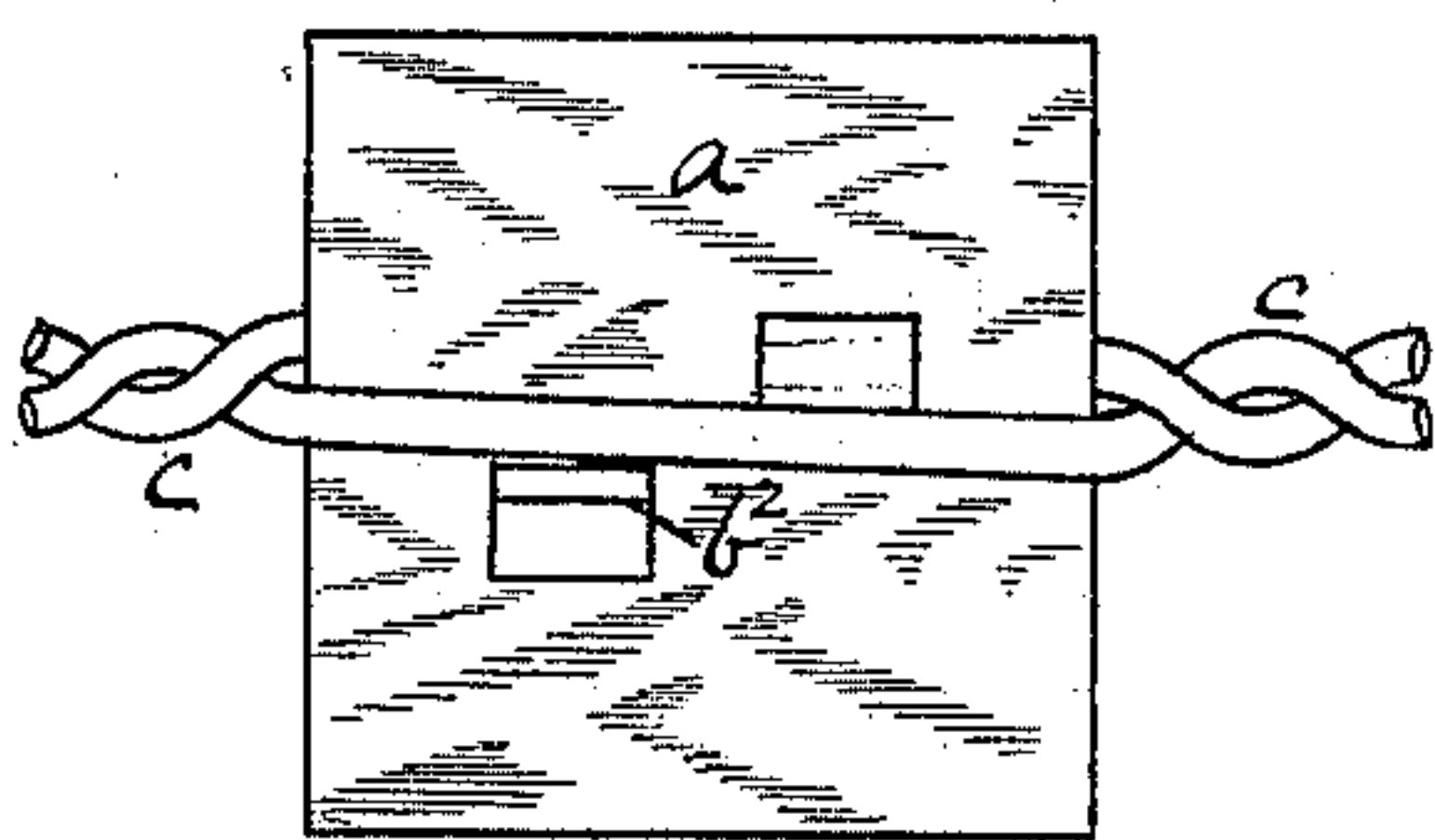


Fig. 4.

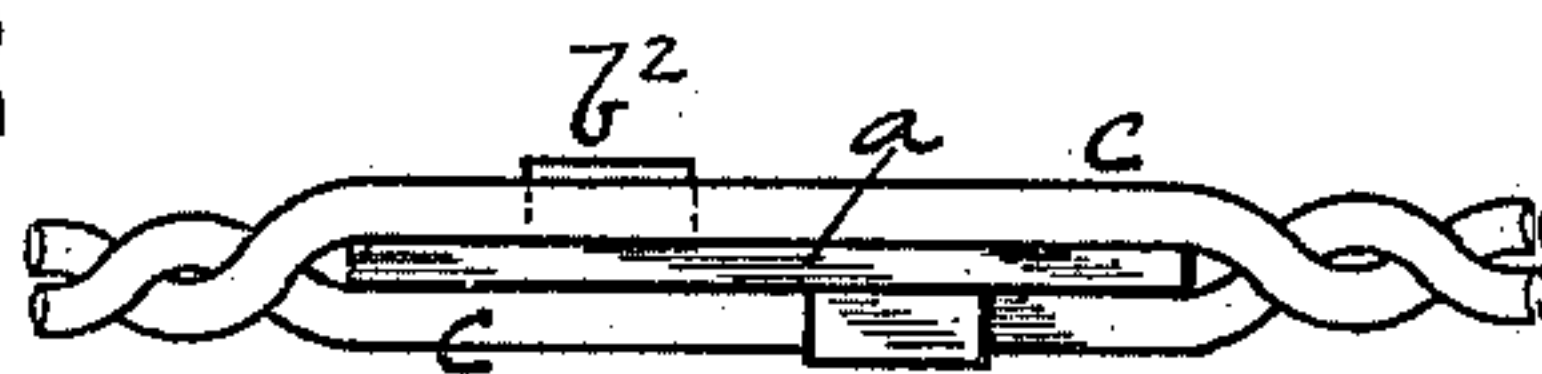


Fig. 5.

Witnesses

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UNITED STATES PATENT OFFICE.

RAPHAEL SERGEANT, OF PITTSBURG, ASSIGNOR TO THOMAS B. KERR, OF ALLEGHENY CITY, PENNSYLVANIA.

WARNING DEVICE FOR WIRE FENCES.

SPECIFICATION forming part of Letters Patent No. 299,169, dated May 27, 1884.

Application filed May 19, 1883. (No model.)

To all whom it may concern:

Be it known that I, RAPHAEL SERGEANT, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Wire Fences; and I do hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to that class of wire fences in which the fence-wires are provided with plates at proper intervals for the purpose of rendering the fence visible, and thereby warning cattle of the presence of the barrier. In all cases the sight of the fence tends to cause cattle to avoid it, which, when either the tablets or wires are provided with barbs, has the further advantage of reducing the liability of the cattle to wound or injure themselves on the barbs.

To enable others skilled in the art to make and use my invention, I will now describe it by reference to the accompanying drawings, in which—

Figure 1 is a side view of one form of my improvement. Fig. 2 is a plan view. Fig. 3 is a perspective view of the plate or tablet shown in Figs. 1 and 2. Figs. 4 and 5 are views of a modified form of my invention.

Like letters of reference indicate like parts in each.

Referring now to Figs. 1, 2, and 3, the tablets *a* are made of plate or sheet metal of any desired form. Two pointed projections or barbs, *b*, are punched out at an angle from the body of the plate, so as to project from the opposite sides of the same. The attached or uncut sides *b'* of these barbs stand one above and one below the plane of the strand-wires *c*, so that when the plate is applied to the wires one of the wires shall extend below and the other above the barbs on the opposite sides of the plate, as shown in Figs. 1 and 2, thereby securing the plate firmly against dislodgment in either direction. The strand-wires *c* are twisted tightly against the edges of the plate, so as to bind it firmly between them.

In Figs. 4 and 5 I show the plate *a* provided with simple lugs *b²*, arranged as described with reference to Fig. 1.

The advantages of my invention consist in the security with which the plates are fastened in the wires, the lightness and durability of the plates, and the strength and cheapness of the attaching devices or barbs, they being formed on and constituting a part of the plate.

A fence-wire provided with these plates can be rolled up in the same manner as barb-wire is usually put for sale.

I am aware that warning plates and barbs have been secured to and between wires by punching out a portion of the plate or barb and bending it, like the knuckle of a hinge, around the wires. These constructions differ from mine, in that my warning-plate depends on its interposition between the twisted wires and the lateral oppositely-projecting lugs for holding it in place. Moreover, my construction requires the use of a simple wire-twisting machine only to apply the plates, and avoids the use of a machine for bending the projections around the wires.

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

In a wire fence, the sheet-metal warning-plate *a*, having two projections, *b*, cut from near its central portion and turned in opposite directions and at right angles to the plate, in combination with twisted wires *cc*, the plate being secured between the twists of the wire and the wire on one side of the plate passing under the projection, while on the opposite side it passes over the projection, substantially as and for the purposes set forth.

In testimony whereof I have hereunto set my hand this 16th day of May, A. D. 1883.

RAPHAEL SERGEANT.

Witnesses:

T. B. KERR,

W. B. CORWIN.