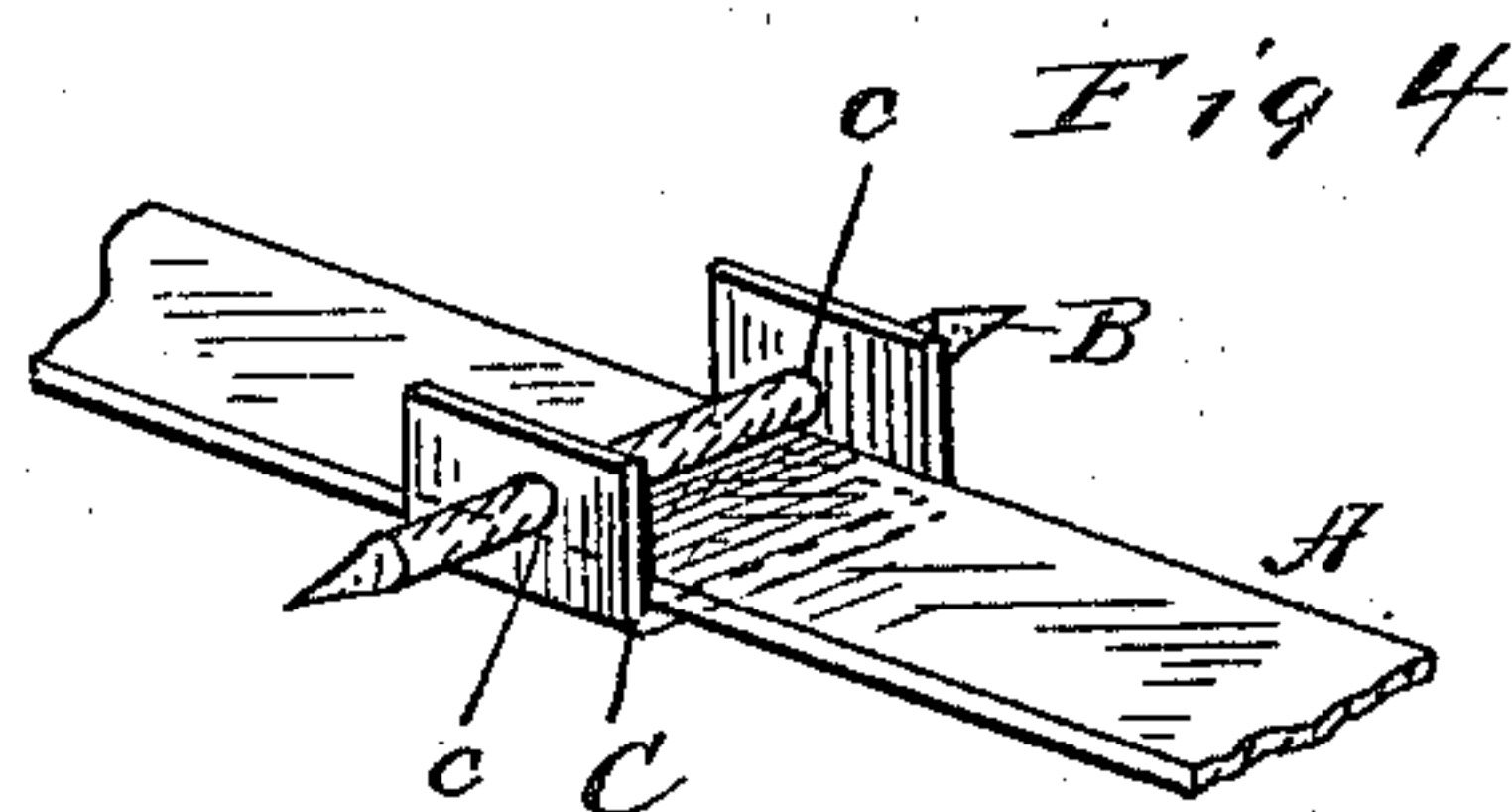
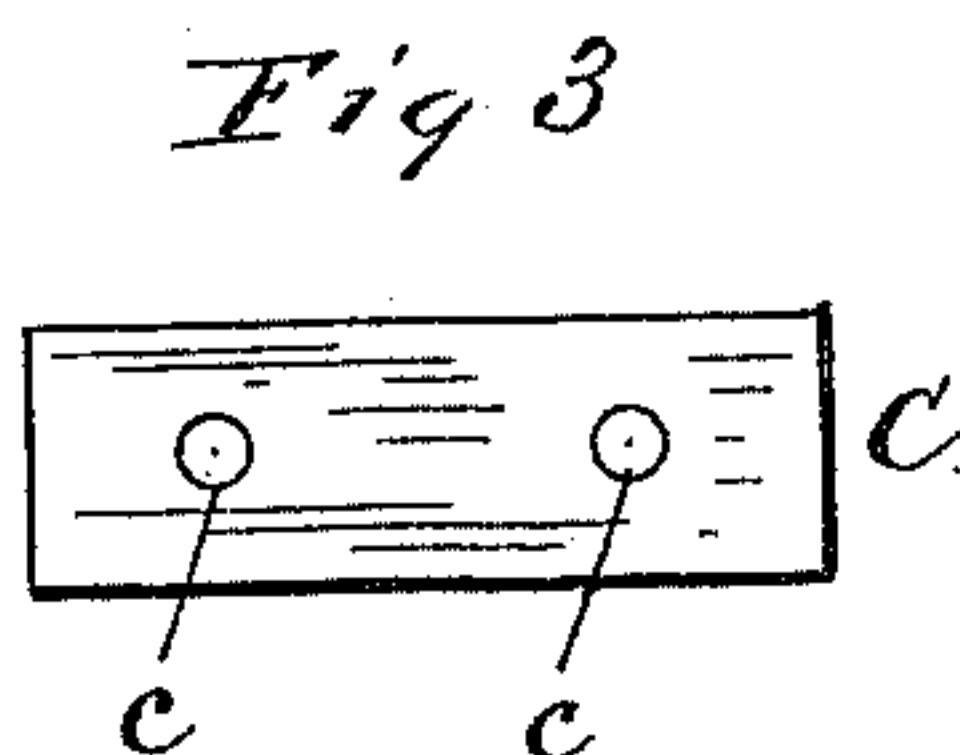
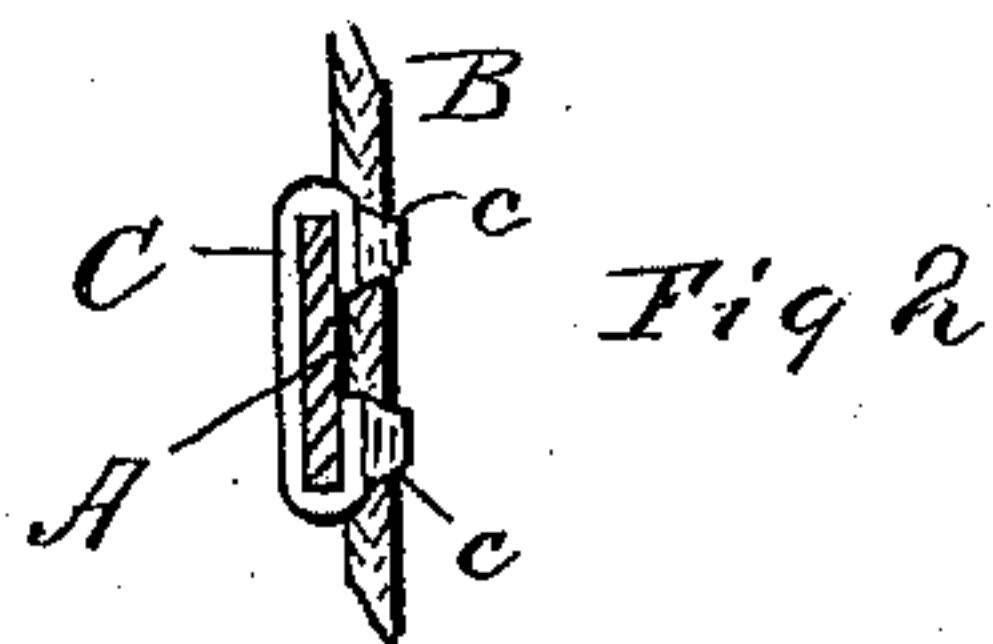
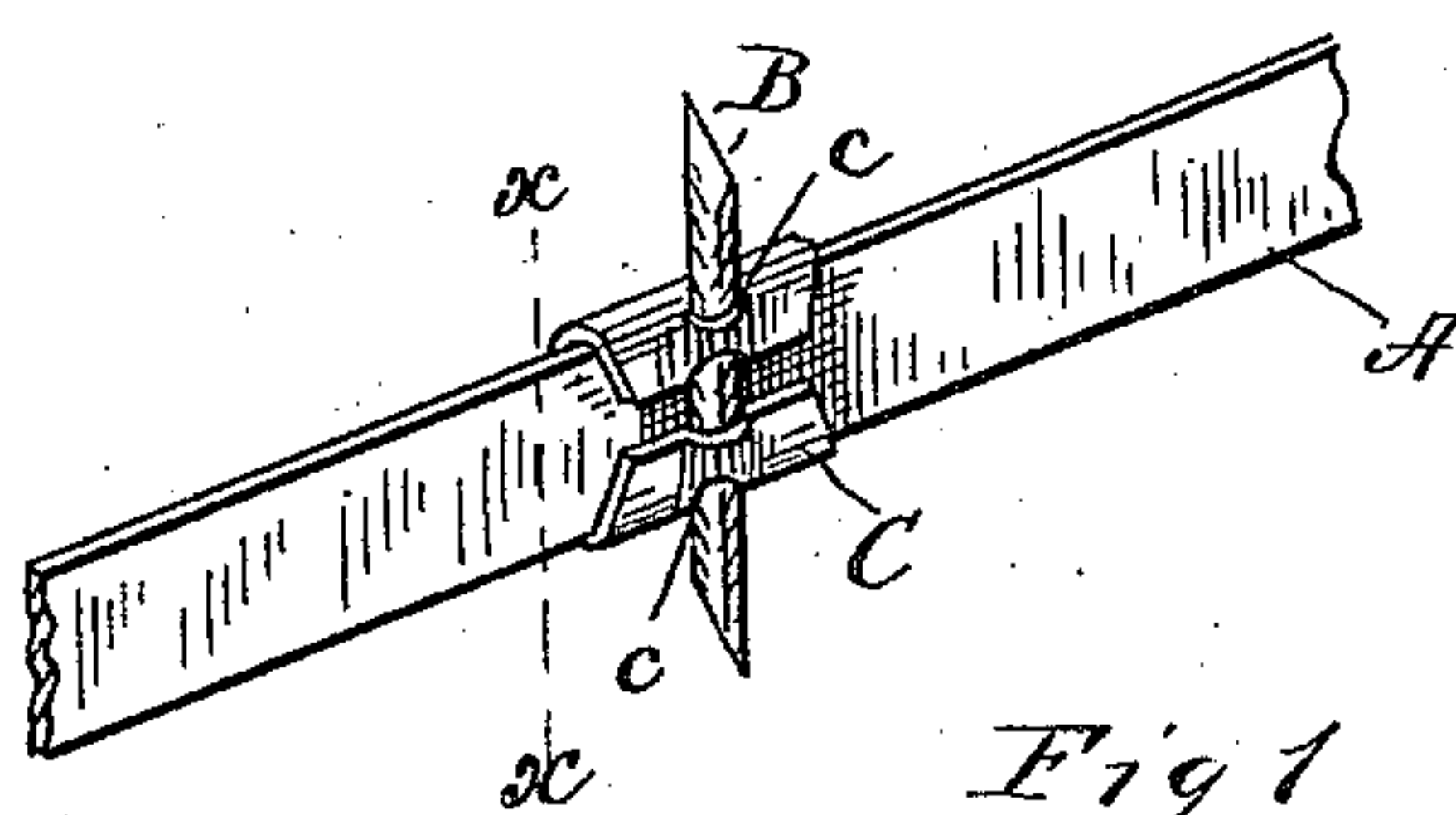


(No Model.)

A. J. UPHAM,
BARBED FENCING.

No. 301,187.

Patented July 1, 1884.



Witnesses
E. Crawford,
C. W. Shurtleff.

Inventor
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UNITED STATES PATENT OFFICE.

ANDREW J. UPHAM, OF SYCAMORE, ILLINOIS, ASSIGNOR TO THE WASHBURN & MOEN MANUFACTURING COMPANY, OF WORCESTER, MASSACHUSETTS, AND ISAAC L. ELLWOOD, OF DE KALB, ILLINOIS.

BARBED FENCING.

SPECIFICATION forming part of Letters Patent No. 301,187, dated July 1, 1884.

Application filed November 7, 1883. (No model.)

To all whom it may concern:

Be it known that I, ANDREW J. UPHAM, a citizen of the United States, residing at Sycamore, in the county of De Kalb and State of Illinois, have invented a certain new and useful Improvement in Barbed Fence-Wire, of which the following is a specification, reference being made to the accompanying drawings, in which—

Figure 1 is a perspective view of a piece of barbed fence-wire embodying my improvement. Fig. 2 is a cross-section of the same, taken on the line *x x* of Fig. 1. Fig. 3 is a plan view of the strip-metal clip; and Fig. 4 shows the fence-strip, the barb, and the clip when the same are first put together, and before the clinching of the clip.

My invention relates to barbed fence the barbs of which are secured by clips.

The object of my invention is to dispense with the shoulder heretofore necessary in such barbed-wire fencing.

To that end my invention consists of the combination of a fence-strip, a wire or other shoulderless barb, and a clip provided with perforations for receiving the barb, by the use of which clip such a barb can be securely incorporated into the fencing.

I will now particularly describe the accompanying drawings, as they illustrate one embodiment of my invention.

A represents a metal fence-strip, B a wire barb, and C a clip for securing the latter to the former. This clip is a piece of strip metal provided with two holes or perforations, *c c*. The clip is bent up at each end, and is located under the fence-strip A, when the barb may be inserted through the holes *c c* and over the fence-strip A, all as shown in Fig. 4. When the parts have been put together, as shown in Fig. 4, the clip is clinched upon and around the barb by bending it down upon the latter

and upon the fence-strip at each side of the barb, the operation producing the finished barbed fence-wire shown in Figs. 1 and 2.

I am aware that it is not new, broadly, to fasten a shoulderless barb to a fence-strip by means of a clip, as such a construction is shown in the patent to George Elsey, No. 265,223. The advantage of my construction over that of Elsey is twofold: First, it is easier to make, especially when the crimping and consequent weakening of the fence-strip are sought to be avoided, inasmuch as my barb and clip are upon opposite sides of the fence-strip, whereas in the Elsey barb both the barb-wire and the strip from which the clips are made must be fed under the main strip, and therefore through the same guiding-slot in the bed-plate, which results either in a defective binding of the barb, in inaccuracy of feed, or in frequent buckling of the parts fed, depending somewhat upon the comparative size of the guiding-slot; second, my construction is more durable in use, especially when the galvanizing process is not resorted to, inasmuch as my barb cannot be torn away from the main fence-strip, no matter of how light metal the clip may be made, so as to loosen at one stroke both the perforated ends of the clip.

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

The combination of a fence-strip, a shoulderless barb on one side of said fence-strip, and a clip the main body of which is on the other side of said fence-strip, and the ends of which clip clasp the edges of the fence-strip, and are provided with perforations encircling the barb, substantially as set forth.

ANDREW J. UPHAM.

Witnesses:

E. C. CRAWFORD,
GEO. R. CUTLER.