

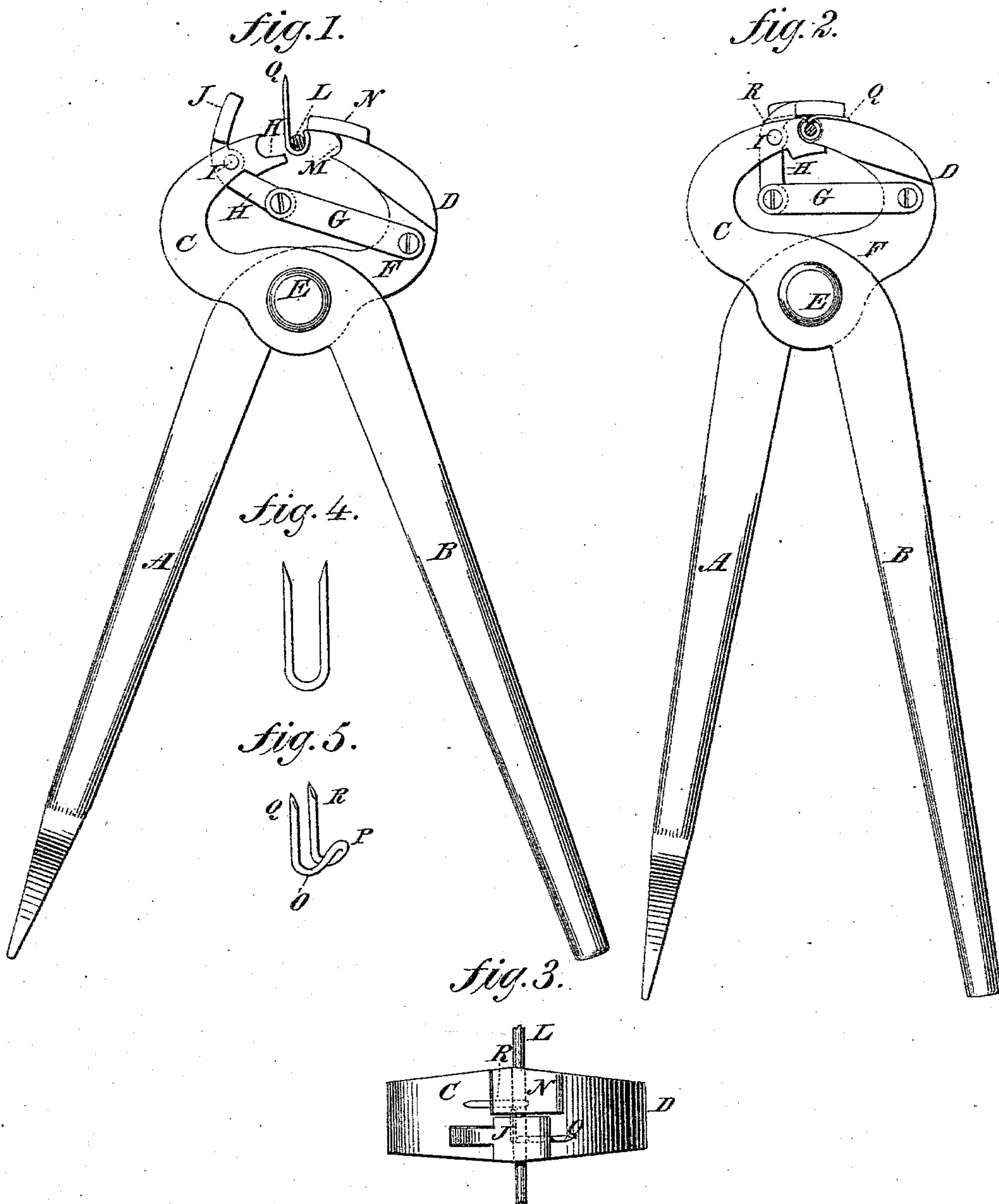
(No Model.)

C. D. RANDEL & W. BROCKNER.

APPARATUS FOR ATTACHING BARBS TO FENCE WIRES.

No. 286,636.

Patented Oct. 16, 1883.



WITNESSES:

Gustave Dietrich
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UNITED STATES PATENT OFFICE.

CHARLES D. RANDEL AND WASHINGTON BROCKNER, OF NEW YORK, N. Y.

APPARATUS FOR ATTACHING BARBS TO FENCE-WIRES.

SPECIFICATION forming part of Letters Patent No. 286,636, dated October 16, 1883.

Application filed February 9, 1883. (No model.)

To all whom it may concern:

Be it known that we, CHARLES D. RANDEL and WASHINGTON BROCKNER, both of the city, county, and State of New York, have invented a new and useful Improvement in Apparatus for Affixing Barbs to Fence-Wire, of which the following is a specification.

The invention consists in a simple device whereby short pieces of wire, previously bent in staple form, may be firmly attached to a fence-wire by hand. This may be done, if desired, after the fence-wire has been secured to its post.

In the accompanying drawings, Figure 1 is a side view of the apparatus open, with the fence-wire and barb-piece in place between the jaws, the wire and barb-piece being properly adjusted to be fastened together. Fig. 2 is a side view of the apparatus with the jaws closed and the barb-piece suitably bent over and secured to the wire. Fig. 3 is a top view of the apparatus with the jaws closed. Fig. 4 shows the barb-piece in staple form; and Fig. 5 represents said barb piece as bent, ready for attachment to the wire.

Similar letters of reference indicate like parts.

The apparatus has the general form of a pair of pliers, A and B being the handles, C and D the jaws, and E the pivot. The lower portion of the jaw D is recessed at F, and to said portion is pivoted a bar, G. To the end of the bar G is pivoted a bar, H, which bar passes through a slot in the jaw C, and is pivoted therein at I. The outer end of the bar H is bent over, and its extremity is broadened at J. The edge or working-face of the jaw C is provided with a semicircular recess, K, adapted to receive the wire L. A similar recess, M, is formed in the working face or edge of the jaw D, and to the upper side of said jaw is attached, or on said jaw is formed, a plate or projection, N. The loop of the barb-piece,

which is first made in staple form, as shown in Fig. 4, is bent over, as represented in Fig. 5, so that said barb-piece then has a doubled portion, P, a loop, O, and ends Q and R.

The apparatus operates in the following manner: The barb-piece is placed on the fence-wire, so that the wire lies in the bend O. The wire and barb-piece are then brought into the recess K in the jaw C, the points Q and R standing upright, as shown in Fig. 1. On the jaws being closed the end J of the bar H meets the point Q and bends it over upon the top of the jaw D. At the same time the projection N on the jaw D meets the point R and bends it over on the jaw C, also pressing the loop or bend P closely upon the wire. It follows that the barb-piece is attached to the wire by the latter being securely grasped in the loop O, which loop is closed by the point Q, which, as already explained, is bent entirely around the wire.

The particular combination of barb-piece and wire we do not here claim, inasmuch as the same is the subject of a separate application for Letters Patent filed simultaneously herewith.

We claim as our invention—

1. The combination of the slotted and recessed jaw C, the recessed jaw D, having a projection, N, the pivoted bar G, pivoted bar H, provided with enlarged end J, and means for moving together and separating said jaws, substantially as described.

2. The combination of the slotted and recessed jaw C, the recessed jaw D, having a projection, N, the pivoted bar G, pivoted bar H, provided with enlarged end J, the pivot E, and handles A B, substantially as described.

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Witnesses:

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