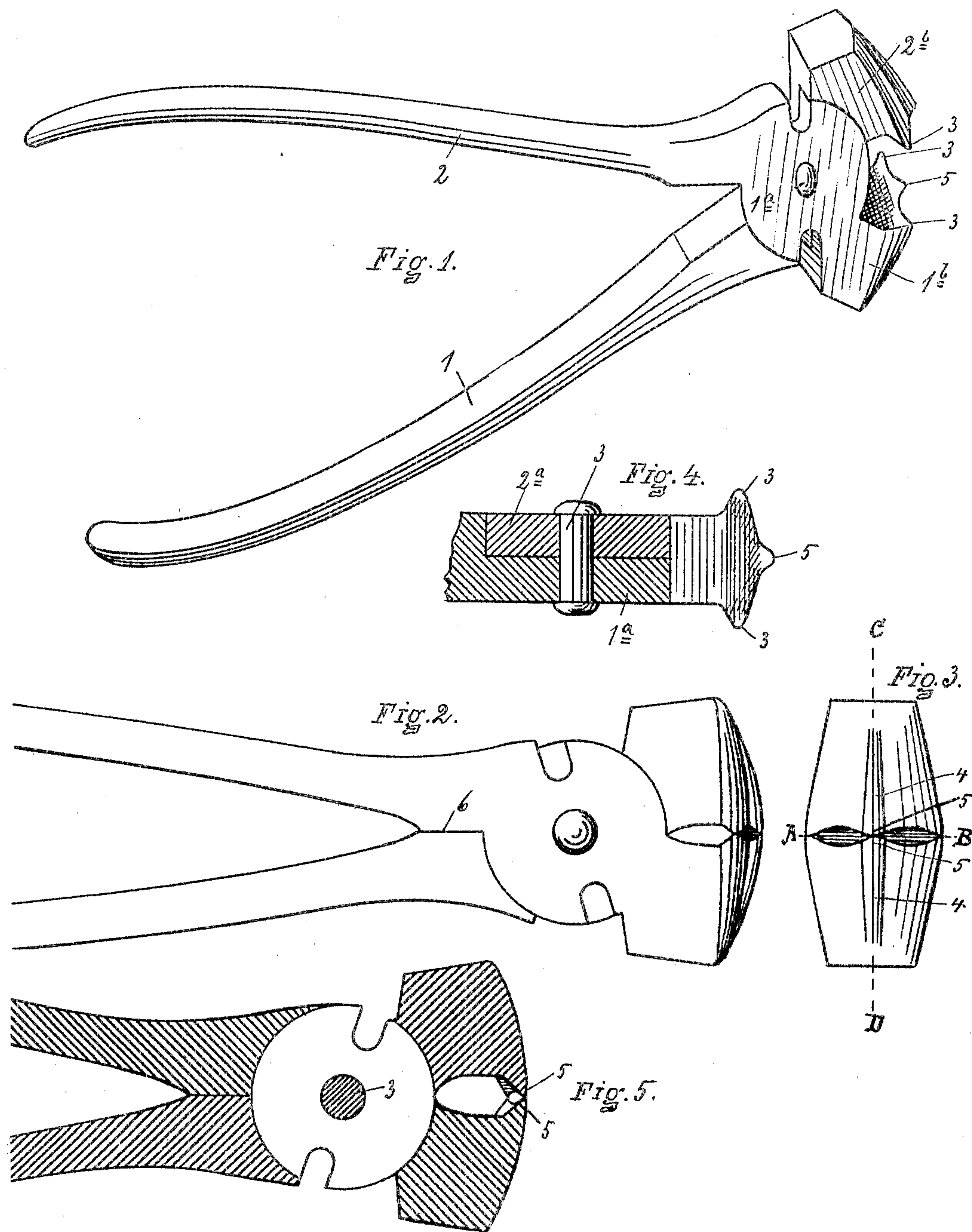


No. 794,064.

PATENTED JULY 4, 1905.

H. L. WHITE.
FENCE WIRE PLIERS.
APPLICATION FILED MAR. 28, 1904.



WITNESSES
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HUBERT LAWRENCE WHITE, OF UTICA, NEW YORK.

FENCE-WIRE PLIERS.

SPECIFICATION forming part of Letters Patent No. 794,064, dated July 4, 1905.

Application filed March 23, 1904. Serial No. 200,227.

To all whom it may concern:

Be it known that I, HUBERT LAWRENCE WHITE, of Utica, in the county of Oneida and State of New York, have invented certain new and useful Improvements in Fence-Wire Pliers; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the numerals of reference marked thereon, which form part of this specification.

The object of my present invention is to provide an improvement in pliers more particularly adapted for use in building and repairing wire fences.

In the drawings, Figure 1 shows a perspective view of my improved tool in open position. Fig. 2 shows a side elevation with the jaws closed. Fig. 3 is a front end view with the jaws closed. Fig. 4 is a partial section taken on a central line, as A B, showing particularly a face view of the jaw. Fig. 5 is a longitudinal section taken on a central line, as C D, of Fig. 3.

Referring to the reference-figures in a more particular description, 1 and 2 indicate the two parts of the tool, which are provided with circular plate-like portions 1^a and 2^a, respectively, engaging in suitable recesses in the meeting faces of each part and pivoted together on a pivot 3. The parts 1 and 2 include the jaw portions 1^b and 2^b, respectively. These jaws are made comparatively broad transversely, as shown particularly in the end view in Fig. 3, and are made rounded or crowning, as shown in this and other figures. At each of the outer corners of the jaws there are provided tooth-like projections or points 3 3. The projections on opposite jaws are adapted to match or register with each other when the jaws are closed. On the broad face end of the jaw there is provided a raised or projecting surface or rib 4, which is substantially centrally located, and at the meeting ends of the ribs 4, on the respective jaws, there are also provided inwardly-projecting points or teeth 5 5, which are adapted to register with each other when the jaws are closed. The handle portions of the parts 1 and 2 are adapted to strike each other at 6, whereby the closing movement is limited and undue strain

and wear and tear on the projections 3 and 5 obviated.

In using this tool for drawing staples the points 5 may be engaged in the eye of the staple and the staple drawn by swinging the handles in one direction or the other, as circumstances will best permit, the side of the face end serving as a fulcrum. Under other circumstances the points 3 may be engaged in the eye of the staple, when the ribs 4 and the opposite corner of the face will successively become the fulcrums. This tool is also adapted for use as a wire-stretcher. The wires may be clamped between the jaws or between the handles at the point 6. The end of the pliers are engaged with the post and the stretching done by swinging the handles around the post. In this operation the rib projection on the center of the faces of the jaws, as well as the ribs on the corners, come successively into operation as fulcrums and prevent the tool from slipping on the post. A modification may be made by substituting for the points 3 and 5 projections having more or less extended grasping-surfaces. The tool is also adapted to numerous other uses, which it is unnecessary to elaborate.

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

1. The combination in a pliers of a pair of similar jaws having transversely broad ends and points or projections 3 3 at the outer corners of the jaws and 5 in the middle of the end, and outwardly standing from a direct line between points 3 3, substantially as set forth.

2. The combination in a pliers of jaws, each having broad ends, and a central rib on said ends, and each having the projecting points 3 3 at the corners and 5 on the rib, substantially as set forth.

3. In a pliers, the combination of opposing jaws, each having three projecting ribs forming fulcrums, and having opposing holding-points on the meeting ends of the ribs projecting beyond the faces of the respective jaws, substantially as set forth.

In witness whereof I have affixed my signature, in presence of two witnesses, this 22d day of March, 1904.

HUBERT LAWRENCE WHITE.

Witnesses:

J. BENJ. BRADY,
EMMA S. HESSE.