No. 885,816.   

J. E. WEYENETH.
PENCE MAKER'S COMBINATION TOOL.
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Fig. 6.

Witnesses:

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THE WASHINGTON CO., WASHINGTON, D.C.
To all whom it may concern:  

Be it known that I, JACOB ERNEST WEYENETH, a citizen of the United States, residing at Danbury, in the county of Redwillow and State of Nebraska, have invented a new and useful Fence-Maker’s Combination-Tool, of which the following is a specification.

This invention has relation to combination tools especially adapted for fence-makers’ uses; and it consists in the novel construction and arrangement of its parts as hereinafter shown and described.

The object of the invention is to provide a simple and effective tool of the character indicated which may be used in the capacity of a hammer, a staple or nail puller, wire twister, holder or cutter.

The parts are so assembled that they cooperate with each other and form a tool of compact and attractive symmetry.

In the accompanying drawings—Figure 1 is a side elevation of the tool. Fig. 2 is a side elevation of one of the members thereof detached. Fig. 3 is an elevation of the head of the tool. Fig. 4 is a sectional view of the tool cut on the line 4—4 of Fig. 1, and Fig. 5 is a sectional view of the tool cut on the line 5—5 of Fig. 1. Fig. 6 is a perspective view of the implement, on an enlarged scale, showing the jaws opened.

The tool consists of the members 1 and 2 each of which is provided near its head-end with discous portions 3. The said portions bear laterally against each other and are pivotally secured together by means of the pin 4. Each of the portions 3 is provided at its edge with a wire cutting notch 5. The said notches are adapted to cooperate with each other in severing strands of wire. The member 1 is provided with a handle portion 6 which is longitudinally channeled along its inner side as at 7. The member 2 is provided with a handle portion 8 which is adapted to fit snugly within the channel 7 of the handle portion 6 when the two said handle portions are brought together. The member 1 is provided at its head-end with the claws or tines 9 which may be used as staple pullers, nail pullers, etc., while the member 2 is provided at its head-end with a hammer-head 10 which may be used for driving nails, staples, etc.

The inner face of the tine end is adapted to engage with the inner face of the hammer end to form pliers or jaws for holding or twisting wire, or the like, and each jaw is provided with a transversely disposed groove 11 for this purpose, the two grooves registering when the jaws are closed. The jaws are further provided with longitudinally disposed pairs of registering grooves 12 that intersect the grooves 11 and are adapted to receive the sides of a staple in drawing the same, the bend of the staple in this operation being disposed in the grooves 11.

The grooves 11 and 12 are corrugated or provided with teeth and preferably V-shaped, they are thus enabled to hold more firmly whatever is grasped by them. The inner face of the hammer end 10 which contacts with the inner face of the tine end when the tool is closed, is provided with a V-shaped projection or rib 13 extending transversely across said face from side to side of the tool, one side of which rib is continuous with the outer wall of the groove 11. The rib 13 is in three sections, its continuity being interrupted by the grooves 12. The outer inclined side of the rib fits when the jaws are closed, against a similarly inclined surface in the groove 11 of the tine end so that when the faces of the jaws are brought together the rib 13 projects above the meeting faces and engages the loop of a staple, thus relieving the tine end from a strain when drawing a staple which would tend to separate the jaws and disengage said staple. The rib 13 may be formed on the tine end if thought desirable and the staple extracted by rocking the tool on the curved surface thereof.

The outer portions or sides of the tines 9 are located in an arc of a circle struck from the center of the pivot pin 4 while the head end meets the arcuate end at a tangent. The object in having the handle portion 8 so formed as to nest within the handle portions 9 when the said portions are closed together is that when the parts are so positioned and the tool is used as a hammer the independent vibration of the two handle portions is reduced to a minimum and consequently this objection so frequently found in tools of this character is avoided.

Having described my invention what I claim as new and desire to secure by Letters-Patent is:

A tool comprising two pivotally connected handles each provided with a jaw having a flat meeting face, each of said faces formed with two longitudinally disposed V-shaped grooves connected to a transverse groove at
the rear of the same, the grooves in each jaw adapted to register when the jaws are closed, and a transverse rib projecting from the face of one of said jaws adjacent the transverse groove therein adapted to project inwardly of the face of the other jaw when said faces are brought together.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

JACOB ERNEST WEYENETH.
Witnesses:
   R. E. BACON,
   SIDNEY DODGE.