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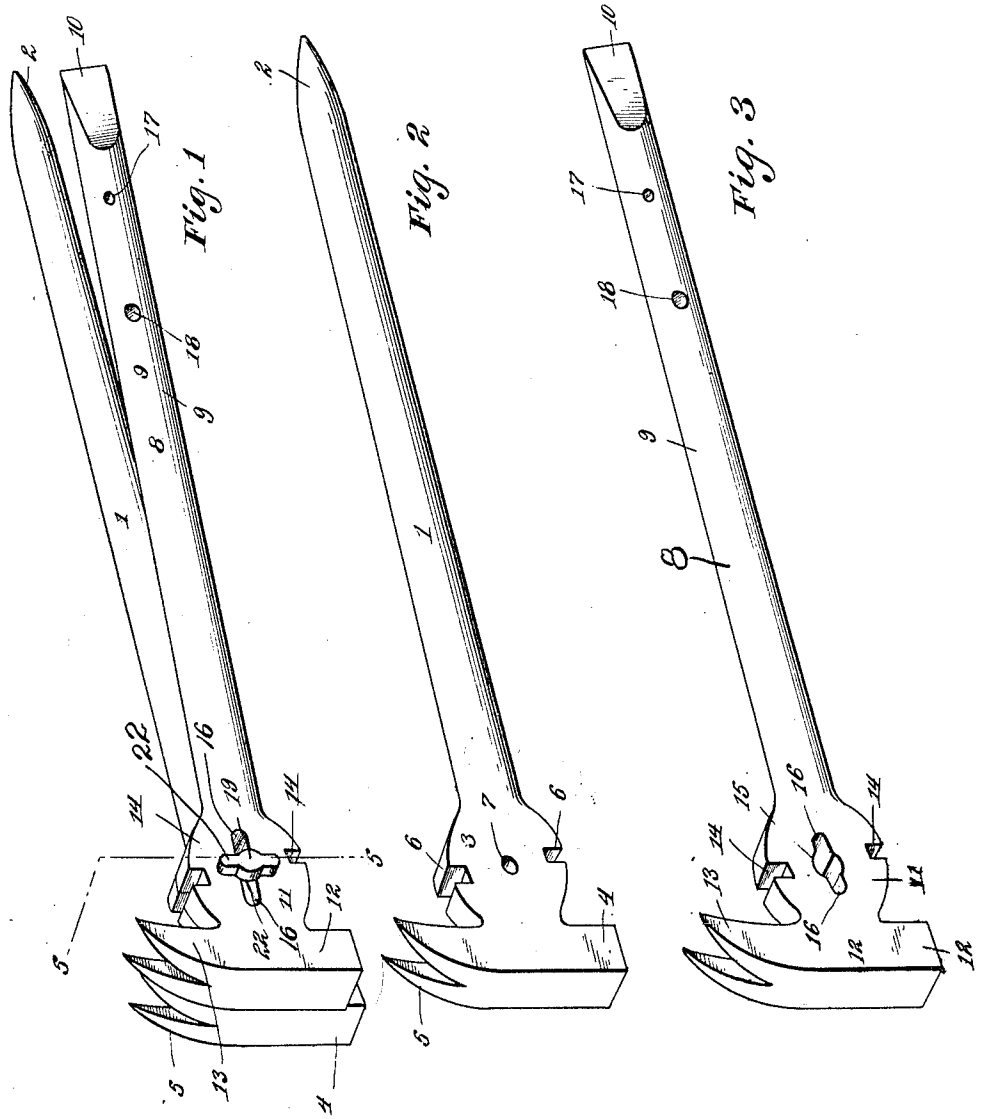
WIRE FENCE TOOL.

APPLICATION FILED MAR. 23, 1918.

1,314,434.

Patented Aug. 26, 1919.

2 SHEETS—SHEET 1.



WITNESSES

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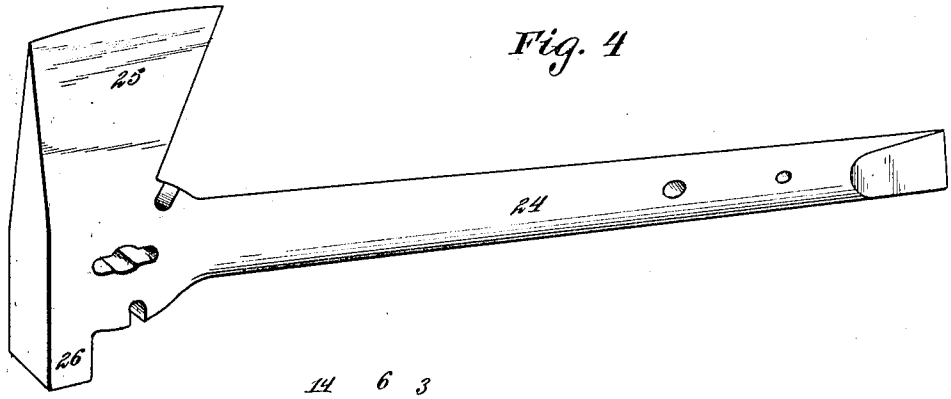
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2 SHEETS—SHEET 2.

Fig. 4



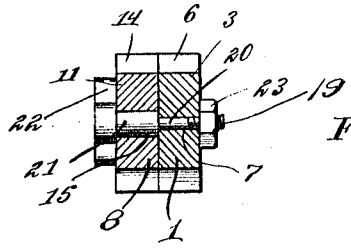


Fig. 5

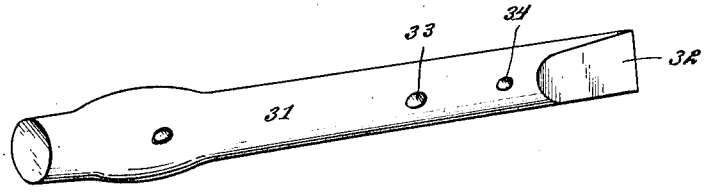


Fig. 6

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WIRE-FENCE TOOL.

1,314,434. Specification of Letters Patent. Patented Aug. 26, 1919.

Application filed March 23, 1918. Serial No. 224,370.

To all whom it may concern:

Be it known that we, DAVID M. SHOUN and DANIEL B. SHOUN, citizens of the United States, residing at Mountain City, in the county of Johnson and State of Tennessee, have invented new and useful Improvements in Wire-Fence Tools, of which the following is a specification.

This invention is an improved combination tool adapted for use in constructing and repairing wire fences, and also adapted for use for other purposes, the object of the invention being to provide an improved tool of this character which is simple in construction, the parts of which are readily interchangeable, and which can be arranged for use for a variety of purposes.

The invention consists in the construction, combination and arrangement of devices hereinafter described and claimed.

In the accompanying drawing:—

Figure 1 is a perspective view of our improved combination tool showing the same arranged for use as a wire cutter.

Fig. 2 is a detailed perspective view of one of the members.

Fig. 3 is a similar view of the other member.

Fig. 4 is a detailed perspective view of a hatchet member which may be arranged for use instead of the member shown in Fig. 1.

Fig. 5 is a sectional view taken on the plane indicated by the line 5—5 of Fig. 1.

Fig. 6 is a detail perspective view of a member for use as a cold-chisel and also as a wire-twisting tool.

Our improved tool comprises a pair of members which may be detachably and pivotally connected together and used for cutting wire and for other similar purposes, and may be detached from each other and used singly and separately as a punch, chisel, hammer, or a hatchet, or for other similar purposes as may be desired. The member which is shown in detail in Fig. 2 comprises a hand lever 1 which has one end sharpened to form a punch 2 and is provided at the opposite end with a flattened and broadened segment 3 and with a hammer head 4 and claws 5, the hammer and claws being here shown as shaped for use as a horseshoe hammer. The segment is provided in opposite sides with notches 6 for receiving and cutting wire. In the center of the segment is a circular opening 7.

A member 8 which is shown in detail in Fig. 3 comprises a hand lever 9 which is formed with a chisel edge 10 at one end and with a segment 11 at the opposite end and a carpenter's hammer head 12 with claws 13. The segment 11 is provided with wire cutting and receiving notches 14 which coact with the notches 6 of the member 1 and is also provided with a central circular opening 15 which is of greater diameter than the opening 7. At opposite sides of the opening 15 are slots 16 which open into the said opening 15. The member 8 also has its lever 9 provided with openings 17 and 18 of suitable size to receive wire of various gages and enable the said member 8 to be used in tying, splicing and tightening wire, especially bent wire.

To enable the members 1 and 8 to be detachably connected together and the tool to be used for cutting wires and for doing other like work, we provide a bolt 19. The said bolt has its shank formed with a smaller portion 20 to fit in the opening 7 and with a larger portion 21 to fit and turn in the opening 15. At the outer end of the larger portion of the bolt shank are oppositely extending lugs 22 which are adapted to pass through the slots 16 to enable the members 1 and 2 to be connected together, the said lugs in final position being arranged at right angles to said slots and bearing on the outer side of the segment 11 of the member 8 and serving to hold the members together and permit their use for cutting wire.

To secure the bolt when thus arranged, we provide the bolt with a nut 23 to bear against the outer side of the segment 3 of the member 1, the annular shoulder formed by the enlarged portion 21 of the bolt shank bearing against the inner side of said segment, as will be understood. The nut when tightened securely holds the bolt in place and prevents casual turning of the bolt with respect to the member 1.

When the members 1 and 8 are detached by turning the bolts so that the lugs 22 thereon will pass through the slots 16, they may be separately used as individual tools, as will be understood.

The member 24 which is shown in detail in Fig. 4, may be used instead of the member 8. The said member 24 has a hatchet blade 25 and a hammer head 26 having an opening corresponding with the opening 15 and the slots 16 of the member 8 and for the same purpose.

The member 31, shown in Fig. 6, may be used in connection with the member 8 or the member 24, instead of the member 1. Said member 31 is comparatively short so that it can pass through the meshes of a woven wire fence and is here shown as provided at one end with a cold-chisel point 32, and with wire-receiving openings 33, 34 for wires of different gages.

Our improved combination tool is especially valuable for use by a ranchman in constructing, maintaining and repairing wire fences, and may be used for a variety of purposes on a ranch.

While we have herein shown and described a preferred form of our invention, we would have it understood that changes may be made in the form, proportion and construction of the several parts without departing from the spirit of our invention and within the scope of the appended claim.

Having thus described our invention what we claim:—

In a tool of the class described, a pair of members each having a hand lever, one of said members having a circular opening and the other having a somewhat larger circular opening and slots which open into said last-named opening, and a pivot bolt to detachably connect said members together, said bolt having a shank provided with a smaller portion to fit in the opening of the first-named member and a larger portion to fit in the opening of the last-named member, and also having laterally projecting studs to pass through the slots of the last-named member, and means to secure the bolt in place.

In testimony whereof we affix our signatures.

DAVID M. SHOUN.
DANIEL B. SHOUN.