No. 772,574. PATENTED OCT. 18, 1904.

W. P. McDOWELL.

COMPOUND TOOL.

APPLICATION FILED NOV. 21, 1903.

NO MODEL.

Fig. 1.

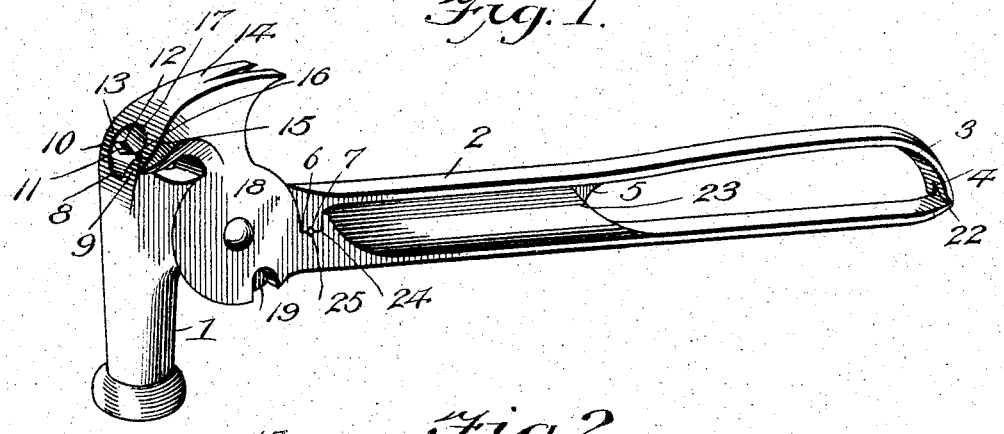


Fig. 2.

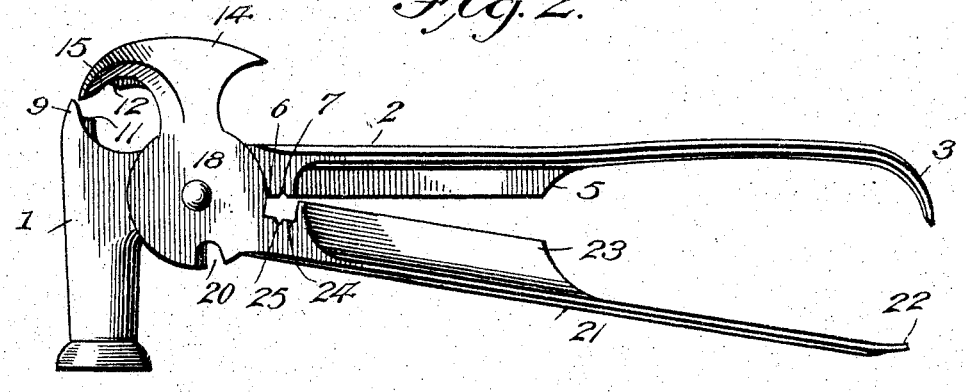
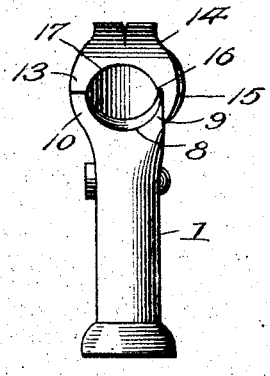


Fig. 3.



Witnesses

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No. 772,574. Patented October 18, 1904.

UNITED STATES PATENT OFFICE.

WILLIAM P. McDOWELL, OF HARTSEL, COLORADO.

COMPOUND TOOL.

SPECIFICATION forming part of Letters Patent No. 772,574, dated October 18, 1904.

Application filed November 21, 1903. Serial No. 182,131. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM P. McDOWELL, a citizen of the United States, residing at Hartsel, in the county of Park and State of Colorado, have invented new and useful Improvements in Compound Tools, of which the following is a specification.

My invention relates to new and useful improvements in compound tools; and its object is to provide a device of this character which is especially adapted for use in constructing and repairing wire fences.

A further object is to provide a hammer with which are combined a staple-puller of novel construction, a wire-cutter, shears, a nail-puller, and various other implements which are especially serviceable in the construction and repair of fences.

With the above and other objects in view the invention consists in providing a hammer having a shank pivoted thereto, and integral with the shank is a claw-head which is adapted, in connection with the end of the hammer-head, to form a staple-extractor of novel construction which is especially adapted for spreading wires connected to the staple to opposite sides thereof, so as to permit said staple to be readily grasped and extracted.

The invention also consists in forming cutting-blades upon the hammer-handle and a pivoted shank, whereby tin or other like material can be readily cut.

The invention also consists in the further novel construction and combination of parts hereinafter more fully described and claimed, and illustrated in the accompanying drawings, showing the preferred form of my invention, and in which—

Figure 1 is a perspective view of my improved compound tool. Fig. 2 is a side elevation thereof, showing the shears and staple-puller; and Fig. 3 is an end elevation of the tool.

Referring to the figures by numerals of reference, 1 is a hammer-head having a shank 2 extending therefrom, the free end of said shank being curved, as shown at 3, and provided with a V-shaped recess 4, whereby tacks or other like objects can be readily extracted. This shank is provided on its inner face for a portion of its length with a longitudinally-extending shear-blade 5, the inner end of which terminates in a shoulder 6, having a transversely-extending groove 7 in its inner or working face. A U-shaped recess 8 is formed in one end of the hammer-head 1, and arms 9 and 10 are formed at opposite sides of this recess, one arm, 9, being pointed, as shown, while the other arm is provided with a straight transversely-extending working edge. The upper end of arm 10 has an angular recess 11 therein, which forms one surface of a clamp, the other surface of said clamp being formed by the walls of an angular recess 12, formed in one arm 13 of a claw-head 14. This claw-head also has an arm 15, which is adapted to overlap arm 9, before referred to, and has a shoulder 16 on its inner face, which forms a stop for the arm 9. A U-shaped recess 17 is formed in the claw-head between the arms 13 and 15 and, together with the recess 8, is adapted to form a staple-receiver for the purpose hereinafter more fully described. A disk 18 is formed integral with the claw-head 14 and is pivoted upon a similar disk 19, formed integral with and interposed between the hammer-head 1 and its shank 2. The disks 18 and 19 have slots 20 therein, which are normally out of alinement. A shank 21 extends from the disk 18, and the free end 22 of this shank is so shaped as to form a screw-driver, and a shear-blade 23 extends longitudinally of the shank for a portion of its length. This blade is adapted to overlap the blade 5, hereinbefore referred to, and at the inner end of the blade is a recess 24 for the reception of the shoulder 6. This recess has a transversely-extending groove 25, which is adapted to register with the groove 7.

It is thought that the use of the shear-blades 5 and 23, claw-head 14, screw-driver 22, and grooved shoulders 6 and 24 will be understood without a detailed description thereof. The principal feature of my invention, however, is the special construction of hammer- and claw heads, whereby the wires upon a fence-

staple can be spread, so as to permit the end of the staple to be firmly grasped and extracted.

The tool will be found of great convenience in constructing or repairing wire fences.

In the foregoing description I have shown the preferred form of my invention; but I do not limit myself thereto, as I am aware that modifications may be made therein without departing from the spirit or sacrificing any of the advantages thereof, and I therefore reserve the right to make such changes as fairly fall within the scope of my invention.

Having thus described the invention, what is claimed as new is—

In a tool of the character described, the combination with a head having arms at one end thereof, and a shank extending from the head; of a second head pivoted to the shank, arms extending therefrom, one of said arms being adapted to overlap an arm of the first-mentioned head and the other arm being adapted to form a clamp with the other arm of the first-mentioned head, the arms of the two heads forming U-shaped staple-receiving recesses.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM P. McDOWELL.

Witnesses:

G. E. KARCH,

H. CHALMERS.