

(No Model.)

G. D. LOCKWOOD.
HAND TOOL FOR WIRE WORKING.

No. 514,371.

Patented Feb. 6, 1894.

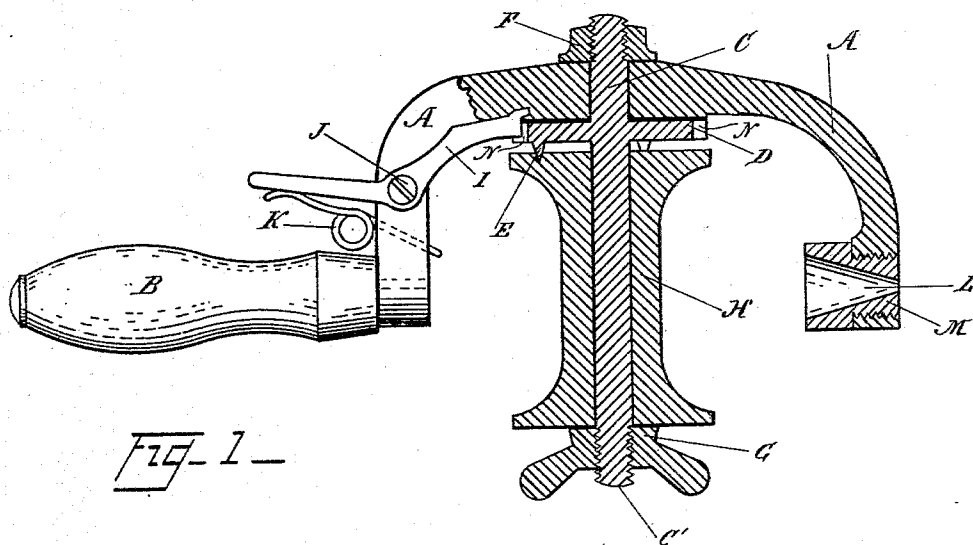


Fig-1-

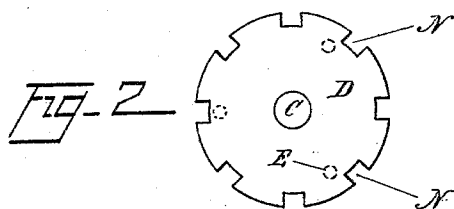


Fig-2-

Witnesses
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UNITED STATES PATENT OFFICE.

GEORGE D. LOCKWOOD, OF STONY CREEK, MICHIGAN.

HAND-TOOL FOR WIRE-WORKING.

SPECIFICATION forming part of Letters Patent No. 514,371, dated February 6, 1894.

Application filed May 25, 1893. Serial No. 475,447. (No model.)

To all whom it may concern:

Be it known that I, GEORGE D. LOCKWOOD, of Stony Creek, in the county of Washtenaw and State of Michigan, have invented a new and useful Improvement in Hand-Tools for Wire-Working, of which the following is a specification.

My invention consists in an improved hand tool for working wire, hereinafter fully described and claimed.

Figure 1 is a side elevation of the tool, partly in section. Fig. 2 is a plan view of the locking wheel.

A represents a curved yoke, preferably made of metal, to one end of which is attached a suitable handle B, and at other end is fastened a hollow bushing M, the opening through which, marked L, is preferably made conical, with its larger end toward the handle B. The object of this is to permit different bushings to be used with the same tool to accommodate larger or smaller wire, or to compensate for wear.

C represents a shaft journaled at about the center of the yoke A. The shaft C may be either permanently journaled in said yoke or may be held in place by a nut F.

D represents a disk formed on or secured to the shaft C, provided on its periphery with slots N, which may be ratchet teeth if desired, to engage with a pawl I, pivoted at J on a yoke A, and also provided on its under side with one or more lugs E.

H represents a spool for carrying wire adapted to be held on the shaft C, and G represents a thumb nut engaging with a threaded end C' of the shaft C, by which the end of the spool H can be forced into engagement with lugs E, to prevent said spool from rotating independently of the shaft.

K represents a spring normally holding the pawl I in engagement with the disk D.

My device is quite useful for building wire fences and may be used as follows: A fence being built of horizontal wires and the spool H being wound with a wire of the size which it is desired to secure vertically to said hori-

zontal wires, the end of the wire is led through the perforation L in the bushing M, and twisted around either the upper or lower strand of the fence. Said vertical wire is then twisted around each of the horizontal wires of the fence, the tool being small enough to pass readily between the wires to permit this, and by permitting the pawl I to hold the disk W and shaft C against rotation, the operator is enabled to put any desired tension on said vertical wire. By pressing the pawl I against the resistance of the spring K, the shaft C and spool H are allowed to rotate to draw off as much wire as may be desired. This tool may of course be used for other purposes than fence building, as it is applicable to many purposes where it is desired to make a wire structure.

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

1. A wire working tool consisting of a yoke provided at one end with a handle and at the other end with a wire guide, an intermediate rotary spool holding shaft, and a locking device for holding the said shaft against rotation in its bearing, substantially as shown and described.

2. A wire working tool consisting of a yoke A provided with handle B and bushing M, a spool holding shaft C provided with disk D having lug E and grooves N, and a pivoted spring pawl I adapted to engage with the disk D, substantially as shown and described.

3. A wire working device consisting of a yoke A having a suitable handle B at one end, a removable bushing M having a conical aperture therethrough at the other end, and an intermediate rotary spool holding shaft C provided with disk D having slots M therein, and a lug E, thumb nut G, pivoted spring pawl I, and spool H, substantially as shown and described.

GEO. D. LOCKWOOD.

Witnesses:

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