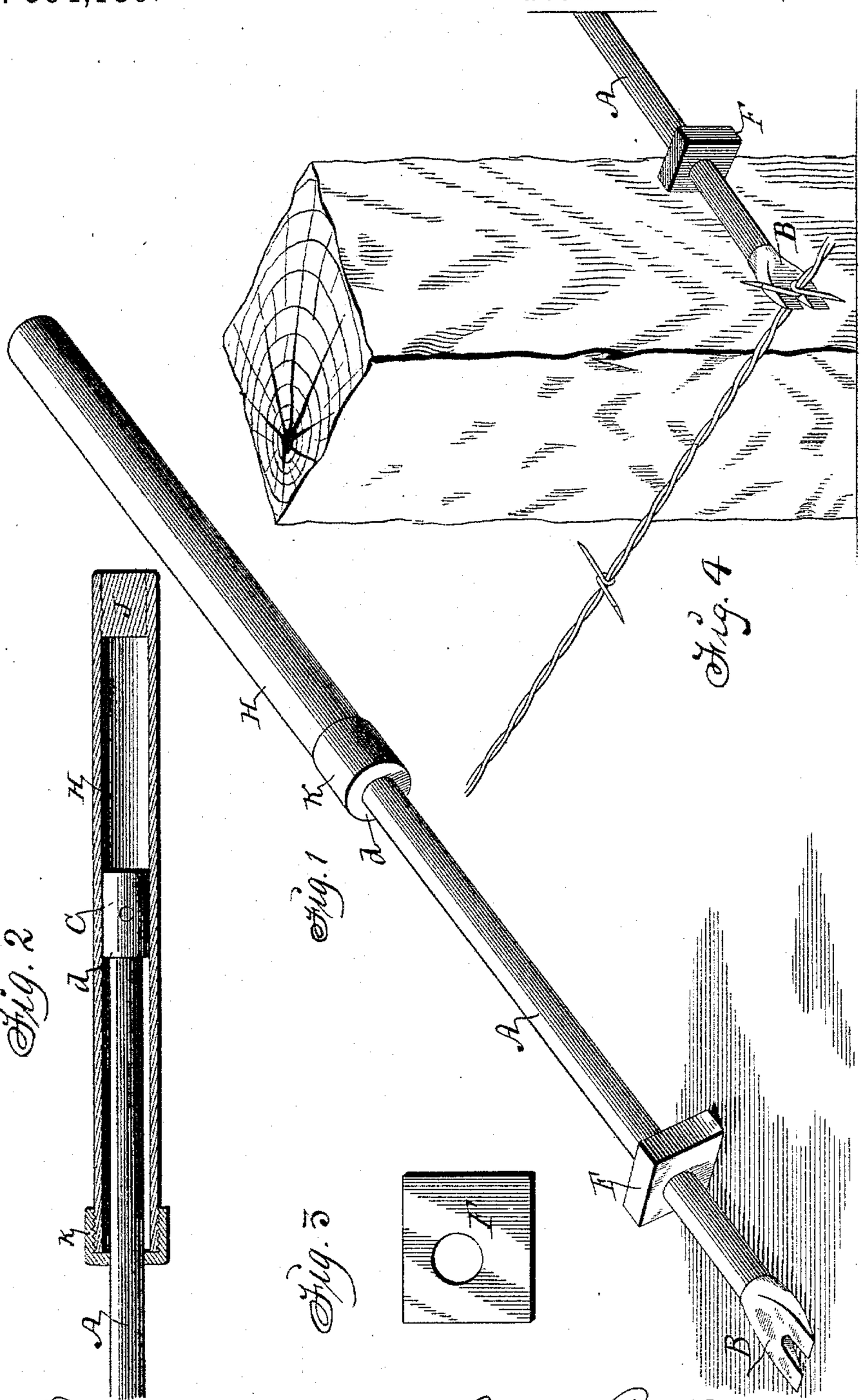
(No Model.)

G. B. NELSON.

STAPLE PULLER AND FENCE WIRE STRETCHER.

No. 584,189. Patented June 8, 1897.



Witnesses:
W. J. Sankey.
R. G. Orwig.

Inventor: George B. Nelson,
By Thomas G. and J. Ralph Orwig,
Attorneys.

UNITED STATES PATENT OFFICE.

GEORGE B. NELSON, OF REDFIELD, IOWA.

STAPLE-PULLER AND FENCE-WIRE STRETCHER.

SPECIFICATION forming part of Letters Patent No. 584,189, dated June 8, 1897.

Application filed November 19, 1896. Serial No. 612,772. (No model.)

To all whom it may concern:

Be it known that I, GEORGE B. NELSON, a citizen of the United States, residing at Redfield, in the county of Dallas and State of Iowa, have invented a new and useful Tool for Opening Barrels, Boxes, &c., of which the following is a specification.

My object is to provide a simple, strong, and durable tool specially adapted to be advantageously used for pulling out nails and spikes, opening barrels and boxes, stretching barbed fence-wire, and various other purposes.

My invention consists in the construction, arrangement, and combination of a solid lever having a claw at one end, a tubular handle, and a sliding and rotatable multiple fulcrum, as hereinafter set forth, pointed out in my claims, and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the complete tool ready for practical use. Fig. 2 is a longitudinal sectional view of the different parts combined. Fig. 3 shows the form of the sliding and rotatable annular block or multiple fulcrum. Fig. 4 shows the tool applied as required for stretching barbed fence-wire.

The letter A designates the lever, in the form of a straight round bar of iron having an integral claw B at its lower end and a piece of tube-metal C fixed on its other end by means of a rivet or in any suitable way to fit the bore of a tubular handle and to produce an annular shoulder *d*.

F is the multiple fulcrum, consisting of a flat angular or four-sided piece of metal having a hole which admits the top end of the lever A to be extended therethrough before the tube C is fixed thereon, as required to connect the fulcrum with the lever, so that it can be readily adjusted thereon by sliding and rotating to adapt it for the various positions and objects upon which the fulcrum is to be placed in the multifarious operations for which the tool is thereby adapted.

The hole in the multiple fulcrum F is in an eccentric position relative to the center of its four boundary edges, so that there are practically four fulcrums differing in size and length relative to radial lines extending outward from the axis of the lever A. By thus producing four sides or fulcrums differing in length that are slidingly and also rotatably mounted on the lever it is obvious the short arm of the lever can be readily varied in length by adjusting the multiple fulcrum relative to the lever, the object upon which the fulcrum is placed, and the object or weight to which the force of the lever is to be applied.

H is a tubular metal handle open-ended and externally screw-threaded at its lower end and closed and made solid at its upper end by fitting and fixing a solid piece of round metal J therein by welding or in any suitable way.

After the top end of the lever A, having the tube C fixed thereon, is introduced into the tubular handle H through the lower open end thereof a screw-cap K, having a central hole, (slidingly and rotatably connected with the lever A before the tube C is fixed to the lever,) is placed on the open screw-threaded end of the handle to complete the tool thus composed of detachable parts.

To adapt the complete tool to be advantageously used as a chisel, I temper and harden the claws B.

It is obvious that the size and weight of the tool may vary as desired.

In the practical use of the tool the manner of using it for pulling out nails and spikes and opening barrels and boxes is obvious. The jaws, when placed in proper position, can readily be driven under the head of a nail or spike or other object by striking blows upon the head of the lever by means of the sliding tubular handle. The handle can also be advantageously operated in the same manner for striking blows when the tool is used as a chisel for cutting wood or metal therewith.

The use of the tool as a lever for stretching barbed wire is illustrated in Fig. 4.

The manner of adjusting the rotatable and sliding multiple fulcrum as required in various positions relative to different objects, so as to regulate the length of the short arm of the lever and the force required, is obvious, so that persons using the tool for different purposes at different times can readily adjust the fulcrum to avail themselves of the advantages of the multiple character of the fulcrum.

I claim as my invention—

1. In a tool for the purposes stated, a straight

lever having a claw at its lower end and a multiple fulcrum rotatably and slidingly combined therewith to operate in the manner set forth for the purposes stated.

2. A tool for opening barrels and boxes &c., comprising a straight round bar or lever having a claw at its lower end and a fixed tube and annular shoulder at its top end, a fulcrum consisting of an annular piece or block having a hole adapting it to be rotatably and slidingly mounted on the lever, a tubular handle having a solid closed top end externally screw-threaded and a screw-cap fixed on the screw-threaded end of the handle, to operate in the manner set forth, for the purposes stated.

GEORGE B. NELSON.

Witnesses:
G. W. CURTIS,
THOS. C. CHANCE.