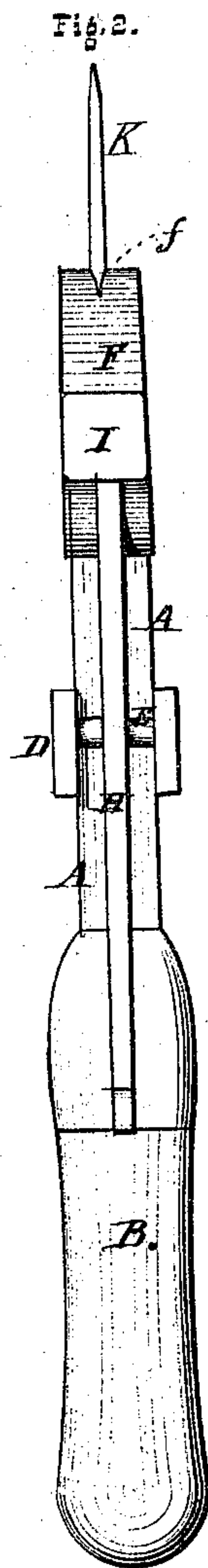
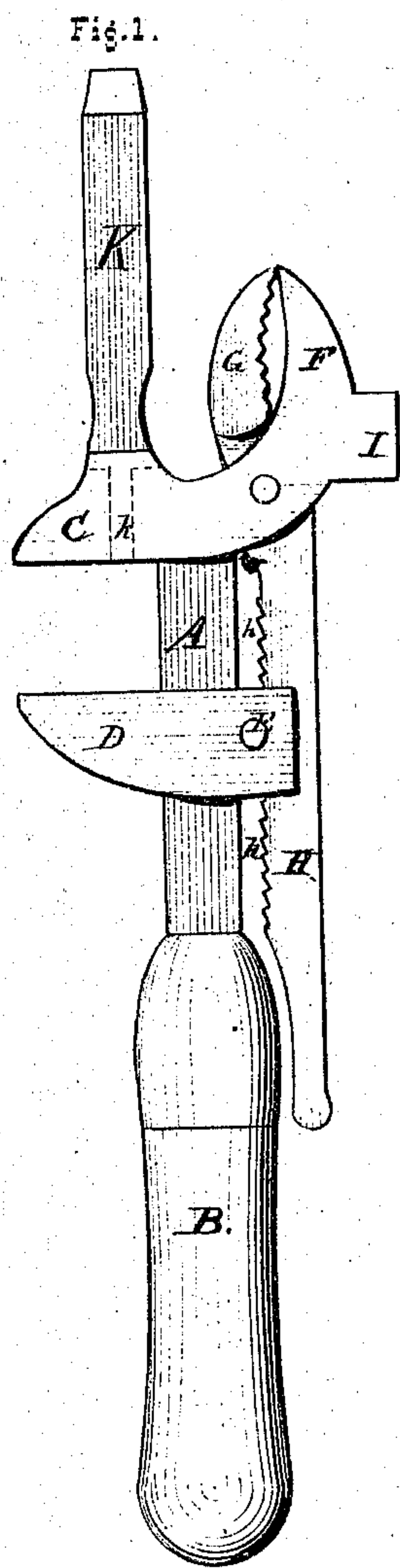


O. C. Lawbaugh,

Wrench.

No. 107,790.

Patented Sept. 27. 1870.



Witnesses.

Chas. A. Poole
Sam. J. Marr

Inventor.

Orange C. Lawbaugh
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Attys.

United States Patent Office.

ORANGE C. LAWBAUGH, OF SHANESVILLE, OHIO.

Letters Patent No. 107,790, dated September 27, 1870.

IMPROVEMENT IN WRENCHES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, ORANGE C. LAWBAUGH, of Shanesville, in the county of Tuscarawas, and in the State of Ohio, have invented certain new and useful Improvements in Wrenches; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 is a side elevation of my improved device, and

Figure 2 is a rear elevation of the same.

Letters of like name and kind refer to like parts in each of the figures.

My invention has for its object the production of a cheap, convenient, and useful tool for general farm or household repair work; and to this end,

It consists in combining a pair of pincers, claw, hammer, and screw-driver with a monkey-wrench, substantially as hereinafter set forth.

In the annexed drawing—

A represents the shank of the wrench, secured to or upon the lower end of which is a handle, B, of usual construction, while upon its upper end is a fixed jaw, C, projecting outward, at a right angle with and forming a part of said shank.

A second jaw, D, provided with a vertical slot or recess, corresponding in width to the thickness of the shank A, and extending to the rear end of said jaw, is placed in position upon said shank, where it is loosely held in place by means of a pin, E, passing horizontally through said jaw, immediately in rear of the shank. By this attachment the adjustable jaw may be readily moved, with the hand, to or upon the fixed jaw, but, upon placing the wrench upon a nut, any power exerted upon the handle, in turning said nut, will cause the forward end of said adjustable jaw to tip downward, until the lower side of the front end of the slot bears against one side of said shank, and the pin E against the opposite side, firmly clamping the jaw in place.

As seen in fig. 1, the rear end of the fixed jaw C curves outward and upward, and forms one jaw, F, of a pair of pincers, the opposite jaw, G, of which is

secured to and forms a part of a handle, H, that passes downward through, and is pivoted within a suitable slot provided in the rear end of said jaw C.

The upper end of the jaw F is provided with a wedge-shaped slot, *f*, by means of which nails may be drawn, as with an ordinary claw, while a horizontal projection, I, upon the outer side of said jaw, enables the wrench to be used as a hammer.

In order that the movable jaw may be held in place while the position of the wrench is being changed upon the nut, the inner edge of the handle H is provided with a series of transverse notches or teeth, *h*, which, when said handle is pressed against the handle of said wrench, engage with the pin E, and prevent said pin and the jaw D from moving.

K represents a short screw-driver, of usual form, having upon its lower end a round shank, *k*, which fits into a corresponding opening passing vertically through the center of the jaw C. A horizontal groove provided within the upper side of the jaw C, having a depth of about one-eighth of an inch, and a width corresponding to the thickness of the screw-driver, receives the lower end of the latter, and secures its relative radial position within the wrench.

The device is now complete, and, as it furnishes, within a small compass and at a comparatively small expense, five heretofore distinct and separate implements, it is believed that its advantages are so apparent as to insure its general use as a household tool.

Having thus fully set forth the nature and merits of my invention,

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

The hereinbefore-described implement, consisting of a monkey-wrench, pincers, claw, hammer, and screw-driver, when constructed and arranged substantially as and for the purpose specified.

In testimony that I claim the foregoing, I have hereunto set my hand this 7th day of May, 1870.

Witnesses: ORANGE C. LAWBAUGH.

BEN. R. HARTMAN,

BENJ'N SLINFE.