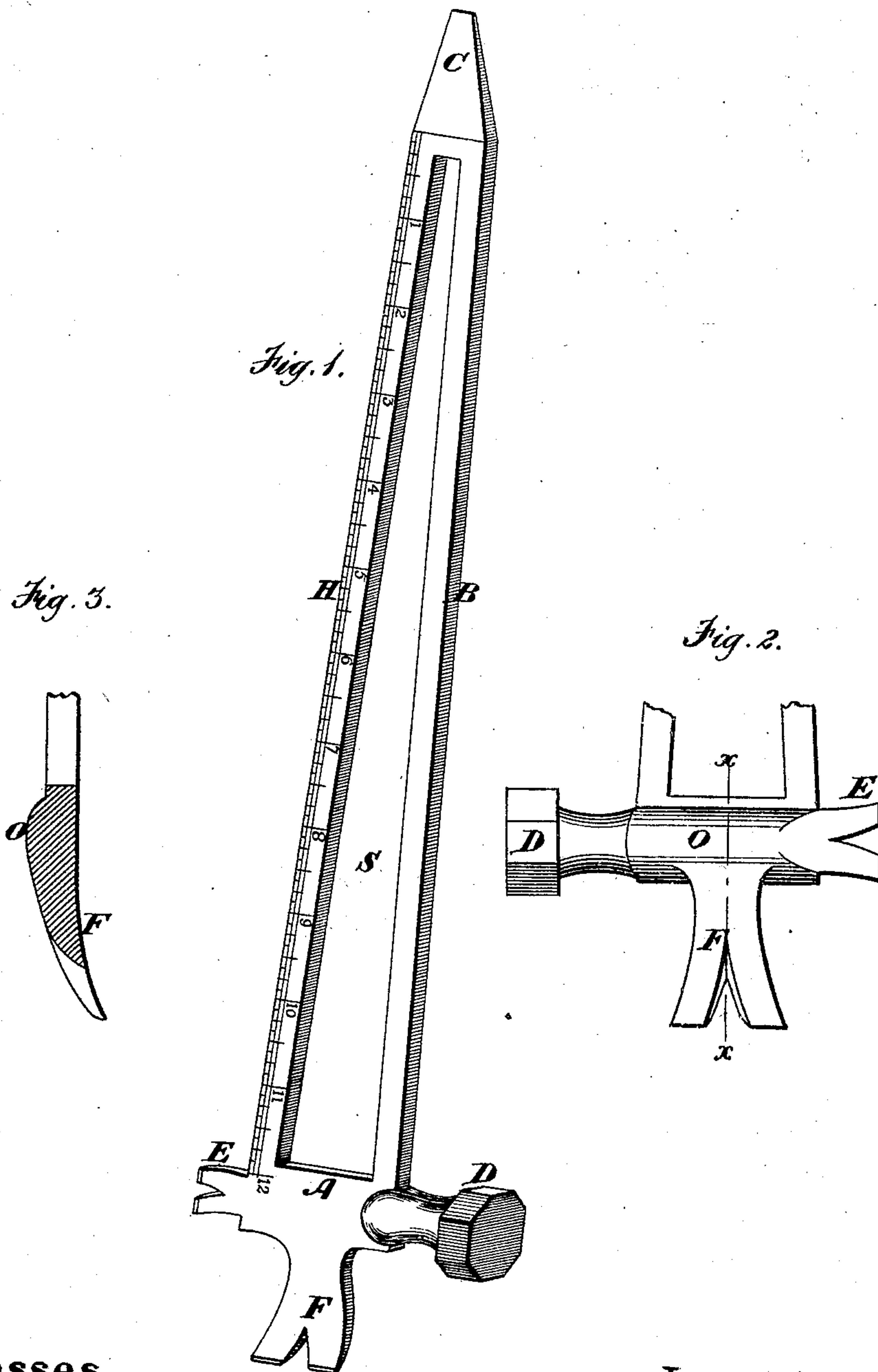


N. K. ELLSWORTH.
Tools.

No. 147,113.

Patented Feb. 3, 1874.



Witnesses.

C. F. Brown.
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Inventor.

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UNITED STATES PATENT OFFICE.

NATHAN K. ELLSWORTH, OF WASHINGTON, DISTRICT OF COLUMBIA.

IMPROVEMENT IN TOOLS.

Specification forming part of Letters Patent No. **147,113**, dated February 3, 1874; application filed January 26, 1874.

To all whom it may concern:

Be it known that I, NATHAN K. ELLSWORTH, of the city and county of Washington, in the District of Columbia, have invented a new and useful Improvement in Tools, or combined wrench, rule, screw-driver, hammer, box-opener, and nail-drawer; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a perspective view of the improved tool. Fig. 2 is a side view of the head with the base broken away, and Fig. 3 is a sectional view through line *x x* of Fig. 2.

Similar letters of reference in the accompanying drawing indicate the same parts.

The object of this invention is to combine in one simple, cheap, and convenient instrument a wrench which shall fit various sizes of nuts, a screw-driver, hammer, box-opener, nail or tack drawer, and a rule; and to this end the invention consists in the improved instrument, constructed as hereinafter described.

In the accompanying drawing, A represents a tapering bar of flat metal, from which is cut out the slot or opening S, extending nearly the whole length of the bar, and gradually decreasing in width to within a short distance from the end, thus forming the two inclined

bars H B, which form the handle of the tool. By this construction a wrench is formed which can be applied to nuts of various sizes by inserting the latter in the slot or opening S. The lower extremity of the bar is beveled on each side to form a screw-driver, as seen at C in the drawing. The bar H is graduated to form a rule, as plainly seen in the drawing. On the upper side of the bar is cut out a set of claws for the purpose of drawing tacks or nails, and D represents a hammer on the opposite side of the instrument. A claw, F, is also formed at the upper end, which forms a box-opener. The under side of the shank O of the hammer-head is rounded and raised above the lower face, so as to form a fulcrum in the application of the box-opener, and at the same time give greater strength to the tool. The tool is preferably made of malleable iron and case-hardened, or it can be made of steel.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

As an article of manufacture, the tool, substantially as and for the purposes described.

NATHAN K. ELLSWORTH.

Witnesses:

C. T. BROWN,
M. CHURCH.