

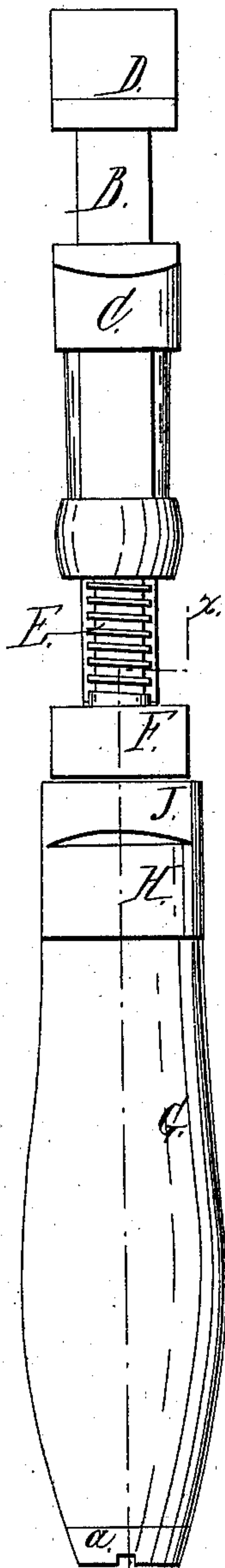
G. C. Taft,

Wrench.

N^o 55,932.

Patented June 26, 1866.

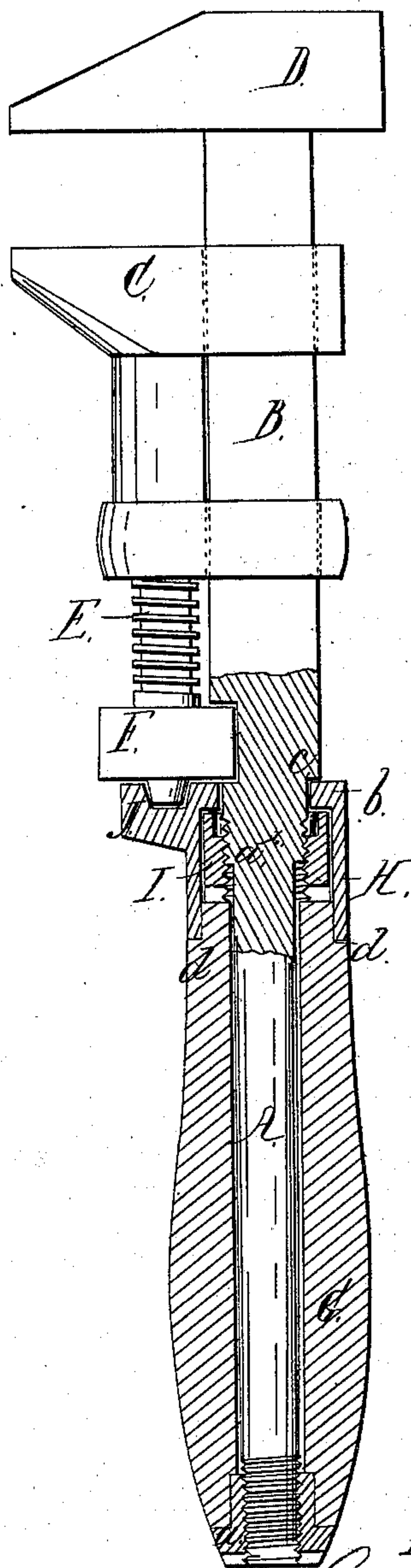
Fig. 1.



Witnesses: x.

J. P. Conington
Wm. Frewin

Fig. 2.



Inventor:

Geo C Taft
Per Atmunt Co
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UNITED STATES PATENT OFFICE.

GEO. C. TAFT, OF WORCESTER, MASSACHUSETTS.

IMPROVEMENT IN WRENCHES.

Specification forming part of Letters Patent No. 55,932, dated June 26, 1866.

To all whom it may concern:

Be it known that I, GEORGE C. TAFT, of Worcester, in the county of Worcester and State of Massachusetts, have invented a new and Improved Screw-Wrench; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is an edge view of my invention; Fig. 2, a side sectional view of the same, taken in the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

This invention relates to a new and useful improvement in that class of screw-wrenches in which the screw is fitted in a step connected with the ferrule of the handle. The ordinary wrenches of this kind are very liable to have the ferrules of the handles forced back on the latter under the action of the screw in adjusting the movable jaw of the wrench to its work, and this displacement of the ferrule renders the screw liable to slip out from the step, a contingency which frequently occurs, and which my invention fully obviates.

A represents the tang of a screw-wrench; B, the rectangular portion of the wrench on which the movable jaw C works, and D the fixed jaw on the end of the part B. E is the screw by which the movable jaw C is adjusted; F, the thumb-wheel on the screw. These parts are of ordinary construction, and therefore do not require a minute description.

G is a wooden handle secured on the tang A by a nut, *a*, on the outer end of the latter, the ferrule H being provided with a flange, *b*, on its upper end, which bears against a shoulder, *c*, on the part B of the wrench. (See Fig. 2.)

The outer end of the ferrule H bears against a wooden shoulder, *d*, on the handle G, as usual, and within the ferrule H there is placed a nut, I, which is fitted on a screw, *a*^x, cut on the tang A, said nut being screwed up against the inner side of the flange *b* of the ferrule, as shown in Fig. 2.

The ferrule H has a lip or projection, J, projecting laterally from it, to serve as a step for the inner end of the screw E.

From the above description it will be seen that the nut I serves as a bearing for the ferrule, and effectually prevents the ferrule, under the action of the screw E, crushing the shoulder *d*, so that the ferrule will be forced back to admit of the screw slipping out from the step J. This occurs very frequently with the ordinary wrenches, a difficulty which the nut I fully obviates.

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

The arrangement of the nut I, in combination with the handle G, tang A, and ferrule H, with its shoulder *b* and step J, constructed and operating in the manner and for the purpose herein described.

GEO. C. TAFT.

Witnesses:

JAMES H. BANCROFT,
GEO. F. NEWTON.