Penney & Thurston,

Wrench.

No. 51,617. Patented Dec. 19, 1865.

Fig. 1.

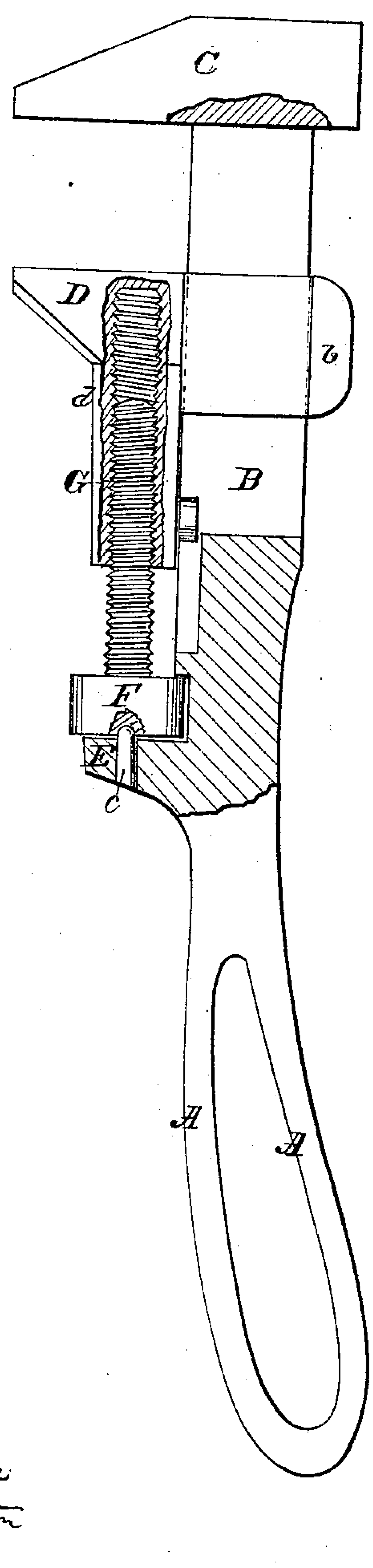
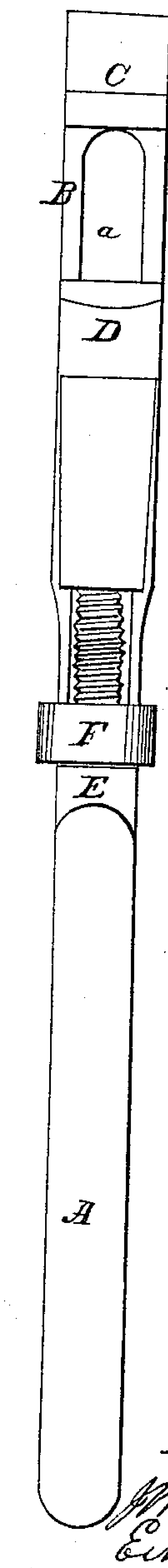


Fig. 2.



Witnesses:
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UNITED STATES PATENT OFFICE.

J. W. PENNEY AND E. M. THURSTON, OF MECHANICS FALLS, MAINE.

IMPROVED WRENCH.

Specification forming part of Letters Patent No. **51,617**, dated December 19, 1865.

To all whom it may concern:

Be it known that we, J. W. PENNEY and E. M. THURSTON, of Mechanics Falls, in the county of Androscroggin and State of Maine, have invented a new and useful Improvement in Wrenches; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others 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 a side elevation of our wrench, partly in section. Fig. 2 is a front view of the same.

Similar letters of reference indicate like parts.

Our invention consists in the arrangement of a movable jaw having a neck which works in a longitudinal slot in the shank of the wrench, and a [illegible] on the other side or end to keep it in place, in combination with a screw-threaded rod working in the movable jaw, having a nut on the other end which sets up close to a projection on the wrench stock or shank, and which forms a bearing for the journal of the nut to work in, all substantially as hereinafter specified.

To enable others to understand our invention, we will proceed to describe it.

The handle A and stock or shank B of the wrench are made in one piece and of metal. We prefer malleable iron, as it gives a strong handle and decreases the expense of manufacturing the device.

C is the fixed or stationary jaw, which is secured to the shank in the ordinary way, and D is the movable jaw. This movable jaw is provided with a neck, *d*, which is of a size to work freely in a slot, *a*, (see Fig. 2,) cut longitudinally in the shank B, and on its end there is attached a head, *b*, for keeping it in proper place.

A projecting piece, E, is formed on the shank near where the handle commences, which constitutes a bearing for the journal *c* of the nut F. The nut F abuts against this projecting piece E, and to the nut is secured the screw-threaded bar G.

The wrench is operated in the ordinary way, and we claim for it that it is comparatively a light wrench and yet very strong, and that it can be made more cheaply than any wrench now in the market. Its grasping power is great, and the movable jaw, being carried through the shank, gives a great additional strength to the wrench, as can be readily understood.

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

As an improved article of manufacture, the screw-wrench herein described, consisting of the slotted shank B, stationary jaw C, movable jaw D, neck *d*, screw G, milled head F, and step E, all constructed and arranged as and for the purposes specified.

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Witnesses:
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