

J. A. Talney,

Wrench.

N^o 68,128.

Patented Aug. 27, 1867.

Fig. 1.

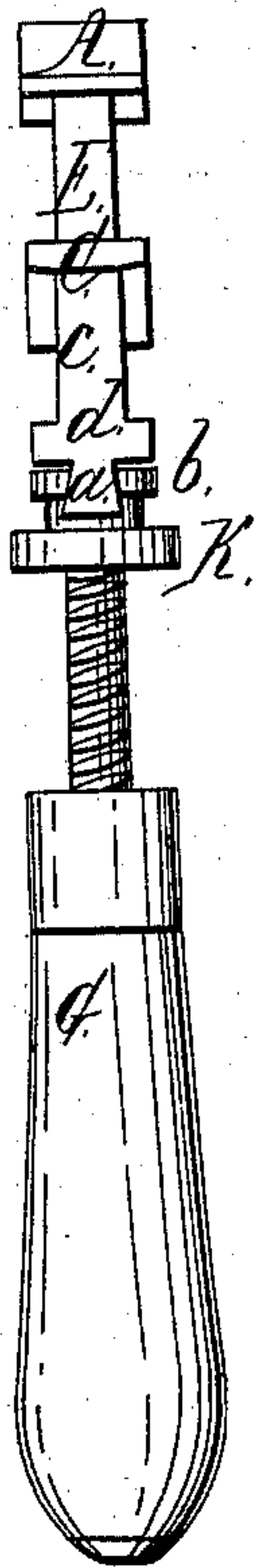
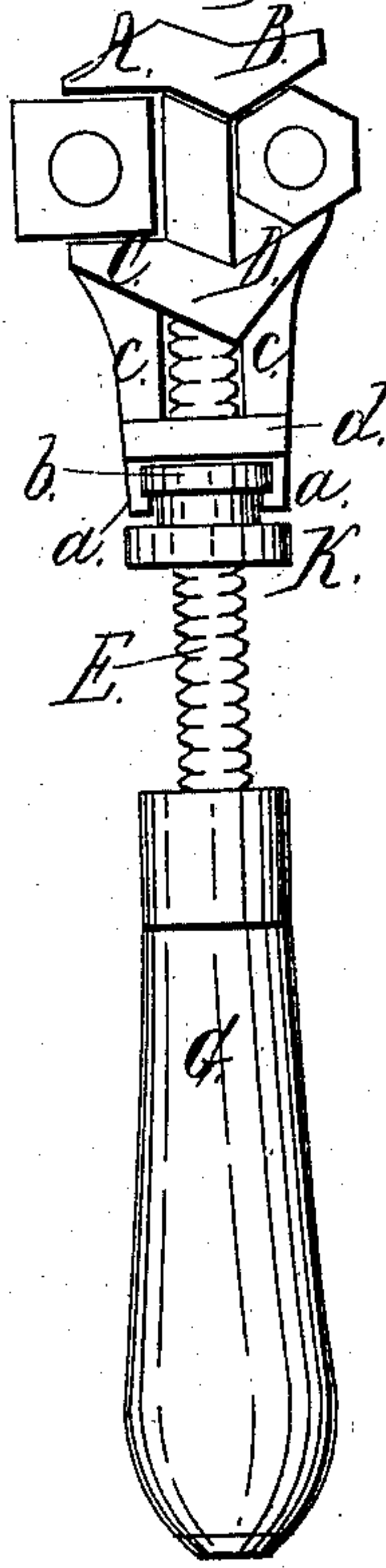


Fig. 2.



Witnesses:
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United States Patent Office.

JOSEPH A. TALPEY, OF SOMERVILLE, ASSIGNOR TO HIMSELF AND MELLEN BRAY, OF BOSTON, MASSACHUSETTS.

Letters Patent No. 68,128, dated August 27, 1867.

IMPROVEMENT IN WRENCH.

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

TO WHOM IT MAY CONCERN:

Be it known that I, JOSEPH A. TALPEY, of Somerville, in the county of Middlesex, and State of Massachusetts, have invented certain new and useful improvements in Wrenches; and I hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings.

My invention essentially consists of a wrench in which two sets of jaws are combined with the wrench-bar or shank, the one set being rectangular with respect to the said shank on which they are mounted, and the other being inclined at an angle of sixty degrees, or thereabouts, to the same, so that with the same wrench nuts of any shape may be readily caught and held. The rectangular jaws, for instance, are fitted to grasp a square or octagonal nut, while the inclined or sloping jaws on the opposite side of the central bar are adapted for hexagonal or other irregularly-shaped nuts not readily grasped by the rectangular jaws.

The nature of my invention will be readily comprehended by reference to the drawings, in which—

Figure 1 is a front elevation, and

Figure 2 a side elevation of my improved wrench.

The upper jaws A B of the wrench are stationary, forming the head of the bar or shank E, which is secured by ordinary means in the handle G. The jaws A B are located diametrically opposite each other upon the shank, the jaw A standing at right angles to the same, while the inclination of the jaw B with respect to the shank is about sixty degrees, or any suitable angle required by the form of the nut it is intended to grasp. The lower and movable jaws C D, which correspond with the fixed jaws A B, respectively, slide upon the bar E, and at their base carry a pair of jaws or ears, *a a*, which grasp the head *b* of a rosette, K, which is capable of being moved up and down upon the screw-shank E in the usual manner. The lower jaws proper, C D, which are formed in one piece, rest upon bearings *c c*, which are supported on a base, *d*, the latter encircling the shank and holding the rosette.

This arrangement of the jaws is at once effective and simple, and is productive of advantages which will be readily apparent. In one wrench I combine the peculiar advantages possessed by a rectangularly-jawed wrench, as well as by one with sloping jaws, or those set at a greater or less angle than ninety degrees with respect to the shank, thus making it not only more convenient for use, and better adapted for all purposes for which wrenches are ordinarily employed, but cheaper in the end than either of the kinds of wrenches referred to.

It will of course be understood that the details of construction herein described may be varied, without departing from the principle of my invention, any other suitable means being employed with equally good results to secure the rosette to the jaws, and to move them up and down upon the wrench-bar. The lower jaws, also, may be made stationary and the upper jaws movable, as is often done in wrenches of ordinary construction.

Having described my invention, and the manner in which the same is or may be carried into effect, what I claim, and desire to secure by Letters Patent, is—

As a new article of manufacture, the wrench herein described, provided with two sets of jaws, the one rectangular with respect to the shank of the said wrench, the other sloping, or at an inclination to the same as and for the purposes herein shown and set forth.

In testimony whereof I have signed my name to this specification before two subscribing witnesses.

JOSEPH A. TALPEY.

Witnesses:

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