

(No Model.)

M. W. LOWE.
NUT WRENCH.

No. 599,715.

Patented Mar. 1, 1898.

Fig. 1.

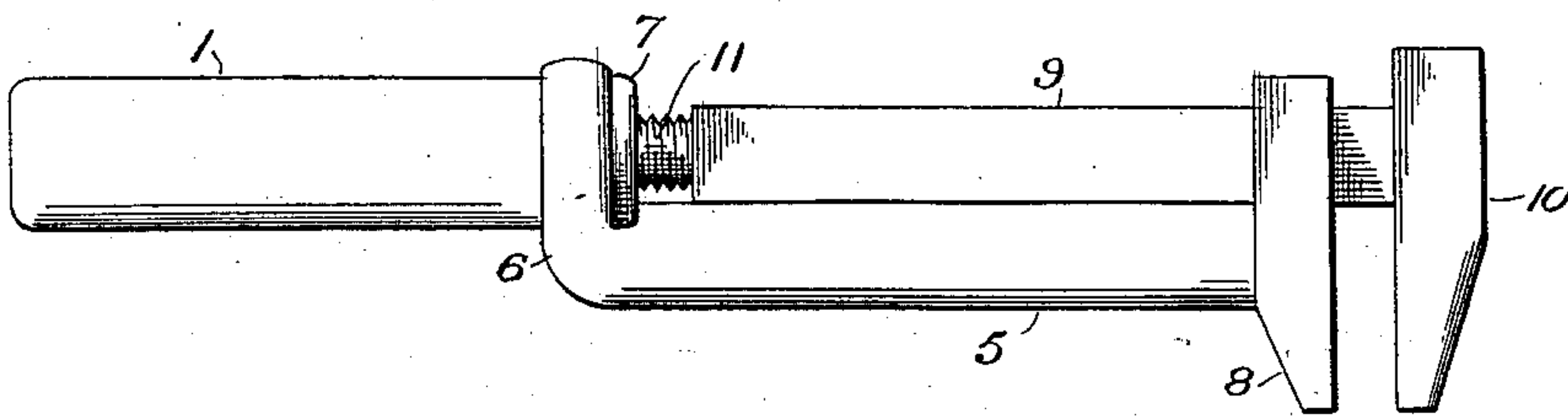
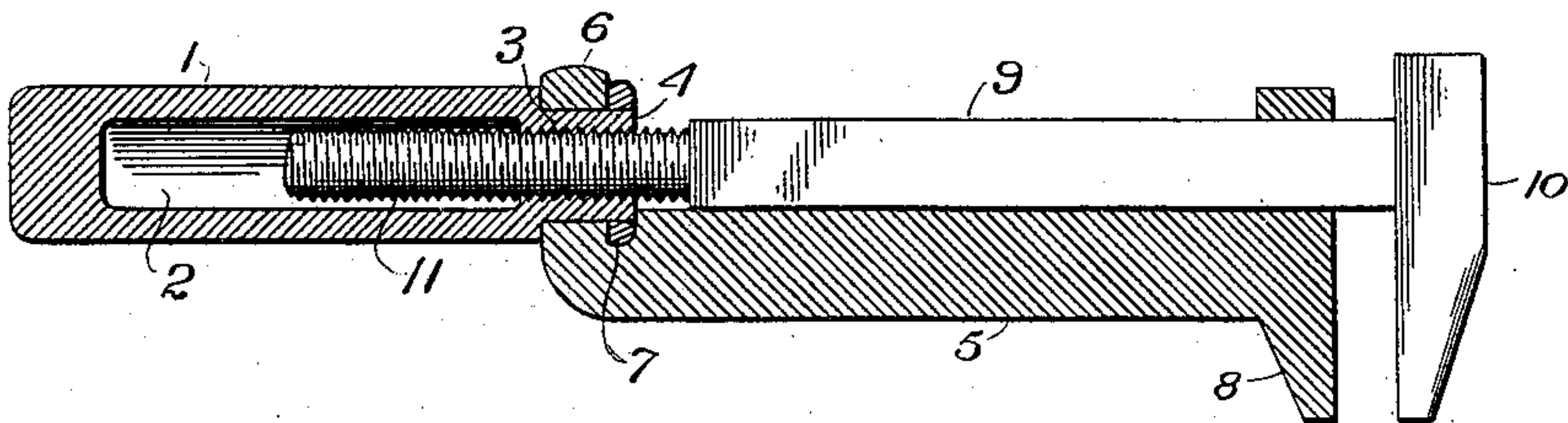


Fig. 2.



Witnesses

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MELVIN W. LOWE, OF CYNTHIANA, KENTUCKY, ASSIGNOR OF ONE-HALF
TO JOHN W. DANIEL AND CHARLES S. EWING, OF SAME PLACE.

NUT-WRENCH.

SPECIFICATION forming part of Letters Patent No. 599,715, dated March 1, 1898.

Application filed June 12, 1897. Serial No. 640,541. (No model.)

To all whom it may concern:

Be it known that I, MELVIN W. LOWE, of Cynthiana, in the county of Harrison and State of Kentucky, have invented certain new and useful Improvements in Nut-Wrenches; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to nut-wrenches of the sliding-jaw type, my object being to provide a simple and cheap wrench of novel mechanism, whereby turning of the handle will move the sliding jaw, so that adjustment is rendered quicker and easier than where an adjusting-nut is employed in connection with a stationary handle.

The invention consists of a wrench comprising certain improved features and novel combinations of parts appearing more fully hereinafter.

In the accompanying drawings, Figure 1 is a side elevation, and Fig. 2 a sectional elevation.

The handle is shown at 1, the same being hollow inside, as at 2, and provided with interior screw-threads 3 at its reduced end 4. The numeral 5 designates a bar which is formed with a bent end 6, which loosely receives the reduced end 4 of the handle, a washer 7 being located on the reduced end and the latter being riveted or flattened on said washer. It will be seen that the handle can be turned in relation to said bar. At the upper end of the bar there is a main jaw 8. The numeral 9 designates a squared or flattened adjustable bar having a supplemental fixed jaw 10. This bar passes freely through a similarly-shaped opening in the main jaw 8, and it has a cylindrical reduced screw-threaded end 11, which engages with the screw-threads 3 of the handle and is adapted for reception in the hollow part of the latter.

The bar 9 has a shoulder to engage with the washer 7 and limit the closing movement of the supplemental jaw.

The operation is as follows: The handle is turned, and inasmuch as the adjustable bar is itself prevented from turning by reason of its sliding through the jaw 8 the engagement of the screw-threads 3 and 11 causes said adjustable bar to be moved so that its jaw can be turned toward the fixed jaw 8 or urged away from the same, according to the direction in which the handle is turned.

It will be apparent that my wrench possesses advantages over the ordinary form of wrench wherein is employed a nut for moving a jaw, inasmuch as the handle can be readily turned and a strong grasp had, so that the jaws may be made to tightly clamp the nut, which is not possible with a wrench employing a nut for adjustment, as a proper grasp cannot be had with the fingers.

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

The herein-described wrench comprising a bar having a main jaw and a projecting portion or extension, a hollow handle provided with internal screw-threads and having a reduced portion journaled in the projection or extension aforesaid, a washer secured to said reduced portion, and a flat adjustable bar working through the main jaw and provided with a screw-threaded end which is received in the hollow handle and engages with the screw-threads, said adjustable bar having a supplemental jaw.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

MELVIN W. LOWE.

Witnesses:

SHELTON REED,
A. E. COLEGROVE.