No. 774,916. PATENTED NOV. 15, 1904.

L. HANEKE.

WRENCH.

APPLICATION FILED JULY 23, 1904.

NO MODEL.

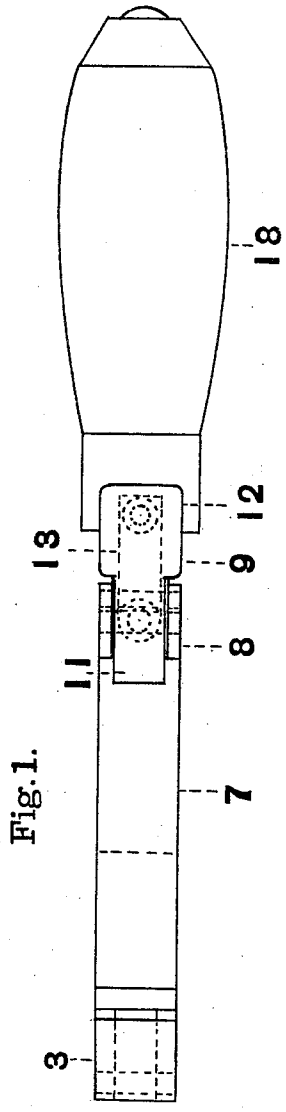

Fig.1.

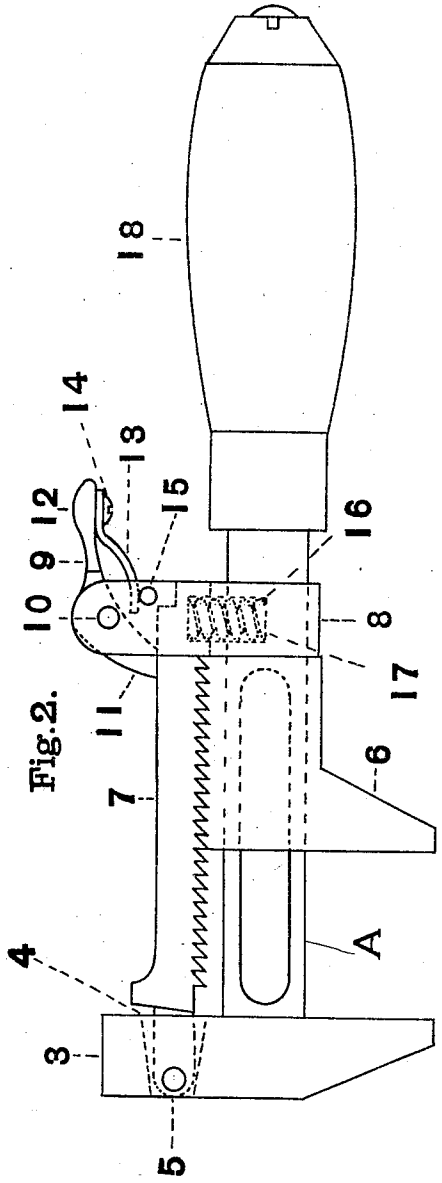

Fig.2.

WITNESSES:

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No. 774,916. Patented November 15, 1904.

UNITED STATES PATENT OFFICE.

LOUIS HANEKE, OF EUREKA SPRINGS, ARKANSAS, ASSIGNOR OF ONE-HALF TO THOMAS J. ROBERTSON, OF OAKHILL, ARKANSAS.

WRENCH.

SPECIFICATION forming part of Letters Patent No. 774,916, dated November 15, 1904.

Application filed July 23, 1904. Serial No. 217,829. (No model.)

To all whom it may concern:

Be it known that I, LOUIS HANEKE, a citizen of the United States, and a resident of Eureka Springs, in the county of Carroll and State of Arkansas, have invented a new and useful Improvement in Wrenches, of which the following is a specification.

My invention relates to an improvement in wrenches; and the object is to provide a quick-acting and powerful wrench consisting of few parts and which can be manufactured and put on the market at a comparatively slight expense.

With the foregoing object in view this invention consists in certain novel features of construction and combinations of parts, which will be hereinafter described, and pointed out in the claim.

In the accompanying drawings, Figure 1 is a rear view of my improved wrench, and Fig. 2 is a side elevation.

A represents the main bar of the wrench, 3 is the fixed jaw at the outer end of this bar, and 6 indicates the adjustable sliding jaw mounted on the bar A and capable of being set at various positions from jaw 3. The usual handle 18 is provided at one end of the bar.

Jaw 6 is provided with ratchet-teeth on its rear edge adapted to register with correspondingly-shaped teeth on the locking-bar 7, the latter being pivoted in the rear end of jaw 3 in a recess 4, formed for that purpose, by means of a pin 5, which construction admits of the locking-bar being swung away from jaw 6 to permit the latter to be slid and adjusted along the bar A to suit the size of the nut to be turned. As the locking-bar 7 and jaw 6 have an extended toothed surface, it affords a rigid and secure fastening for the jaw when the locking-bar is in the position shown in the drawings.

Provision is made for locking bar 7 against the jaw through the medium of a spring-catch 9. This catch is pivoted upon a pin 10 in the yoke 8, mounted on the bar A of the wrench, and the end 11 of this catch is normally held in contact with the locking-bar 7 by means of a plate-spring 13, secured to the catch by the screw or rivet 14 and engaging at its free end a pin 15, which extends across from one side of the yoke 8 to the other. The catch 9 is provided with a thumb-piece 12, which extends rearward in the direction of the handle where it can be easily pressed by the thumb of the operator when it is desired to release and adjust the sliding jaw 6. A spiral spring 16 in the pocket 17 presses outwardly upon locking-bar 7, so that the moment the thumb-piece 12 of the catch 9 is pressed inwardly the spiral spring 16 acts upon the rear end of locking-bar 7 to force it outwardly and its teeth away from the teeth on jaw 6. The moment these teeth clear each other jaw 6 may be slid back and forth to the required position on the bar A, whereupon locking-bar 7 is returned to the position indicated in Fig. 2 and the catch to the position indicated in that figure, when the parts are all securely locked together. There is little or no outward pressure from jaw 6 upon locking-bar 7, and hence the tension of spring 13, bearing upon pin 15, is sufficient to hold the end 11 of catch 9 in contact with locking-bar 7.

It is evident that slight changes might be resorted to in the form and arrangement of the several parts described without departing from the spirit and scope of my invention, and hence I do not wish to limit myself to the exact construction herein set forth; but,

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

The combination with a main bar, fixed and movable jaws of a wrench, the movable jaw having teeth thereon, of a spring-actuated locking-bar having teeth adapted to register with the teeth of the movable jaw, a yoke mounted on the bar, a catch pivoted thereto, and a spring secured to the catch and adapted to hold the latter normally against the locking-bar.

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

LOUIS HANEKE.

Witnesses:
JNO. D. JORDAN,
Z. P. FREEMAN.