No. 790,830. PATENTED MAY 23, 1905.

L. HANEKE.

WRENCH.

APPLICATION FILED MAR. 30, 1905.

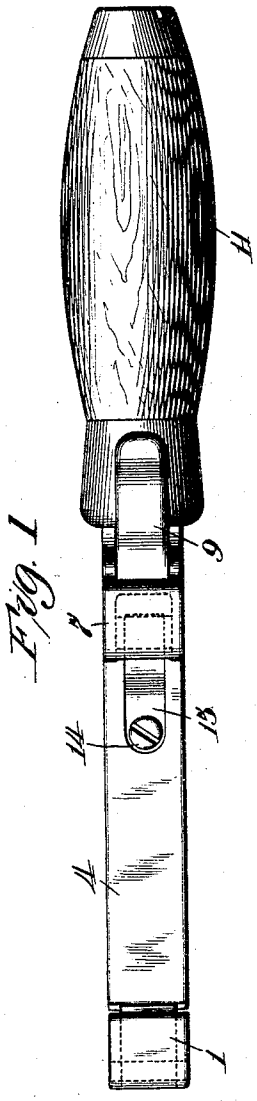

Fig. 1.

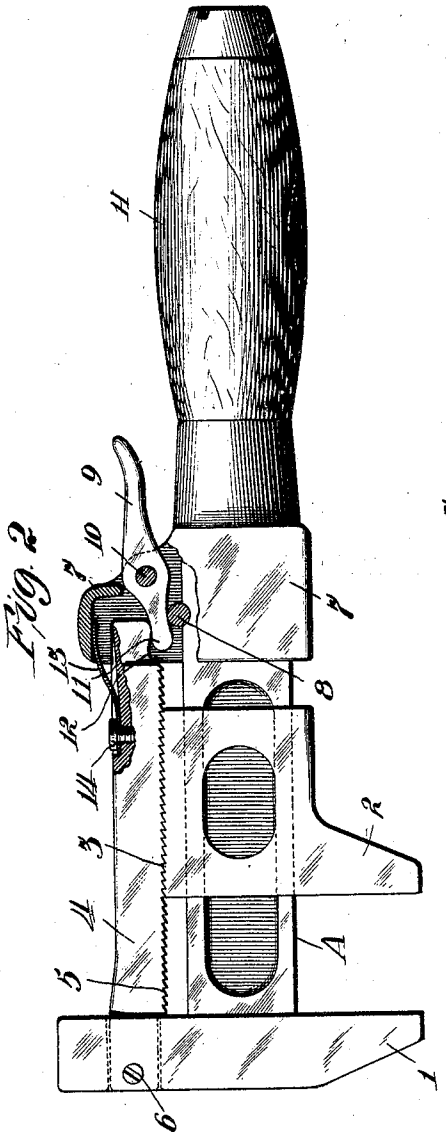

Fig. 2.

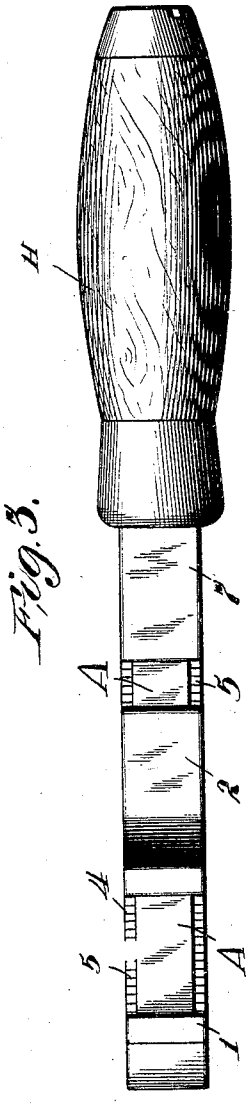

Fig. 3.

Witnesses:
Milton L. Senour,
Vernon E. Hodges

Inventor:
Louis Haneke
by Jacob H. Snow
his atty.

No. 790,830. Patented May 23, 1905.

UNITED STATES PATENT OFFICE.

LOUIS HANEKE, OF EUREKA SPRINGS, ARKANSAS.

WRENCH.

SPECIFICATION forming part of Letters Patent No. 790,830, dated May 23, 1905.

Application filed March 30, 1905. Serial No. 252,908.

To all whom it may concern:

Be it known that I, LOUIS HANEKE, a citizen of the United States, residing at Eureka Springs, in the county of Carroll and State of Arkansas, have invented certain new and useful Improvements 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 wrench of powerful leverage consisting of few parts, easily and quickly operated, and capable of being assembled with ease, affording a wrench which will be effectual in the accomplishment of its functions; and with these objects in view my invention consists in certain novel features of construction and combinations of parts which will be hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view from the rear or back of the wrench. Fig. 2 is a side elevation with portions broken away, and Fig. 3 is a view from the front or looking in the opposite direction from the view shown in Fig. 1.

A represents the main bar of the wrench, 1 the fixed jaw at the outer end, and 2 a movable jaw loosely mounted on the main bar A and adjustable thereon. Movable jaw 2 is provided with ratchet-teeth 3 on its rear edge, and a locking-bar 4 has corresponding teeth 5, adapted to engage the teeth 3 to lock the movable jaw in place, the locking-bar being pivoted at 6 to the rear end of the fixed jaw 1 for that purpose.

The free end of the locking-bar 4 is housed in the sleeve 7, which latter is secured on the bar A preferably by the pin 8, which extends through the sleeve and partly through a notch in the bar A. A thumb-lever 9 is pivoted on the stud 10 in the sleeve 7, the outer end projecting in proximity to the handle H, where it may be easily reached and depressed by the thumb or forefinger of the operator, and the inner end 11 is rounded and adapted to engage the recess 12 in the free end of the rocking lever 4, the end 11 of this thumb-lever being normally confined between the end of the locking-lever and the pin 8, with the extreme end of the locking-lever resting thereon, where it is held normally by the spring 13, secured by screw 14 to the locking-lever, with its free end bearing against the upper end of sleeve 7.

By referring to Fig. 2 the action and operation of the parts will be apparent at a glance. In Fig. 2 the normal position of the various parts is shown, the spring 13 pressing the locking-lever 4 against the movable jaw 2 and the thumb-lever 9 inward against the pin 8 at its inner end and the thumb-piece outward from the handle at the outer or free end. By pressing down with the thumb the thumb-lever is rocked on the stud 10, causing the inner end to move outward and the locking-lever 4 to be removed from the movable jaw 2 and the latter to be unlocked, whereby it is adjusted to the required position, whereupon the thumb is removed from lever 9 and the parts automatically resume their locked position.

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—

1. In a wrench, the combination with a main bar, a fixed and movable jaw, and a sleeve secured to the main bar by means of a pin extending through the latter, and into the main bar, of a locking-bar, a spring interposed between the locking-bar and a portion of the sleeve, and a thumb-lever pivoted to the sleeve with one end interposed between the main bar and the free end of the locking-bar with its outer end in position to be manipulated by the operator.

2. In a wrench, the combination with a main bar, a fixed and movable jaw, and a sleeve secured to the main bar by means of a pin extending through the latter, and into a notch

in the main bar, of a locking-bar, a spring interposed between the locking-bar and a portion of the sleeve, and a thumb-lever pivoted to the sleeve with one end interposed between the pin and the free end of the locking-bar with its outer end in position to be manipulated by the operator.

In testimony whereof I have affixed my signature in presence of two witnesses.

LOUIS HANEKE.

Witnesses:
G. V. CHASE,
Z. P. FREEMAN.