

T. C. DOREDANT.
 MONKEY WRENCH.
 APPLICATION FILED SEPT. 10, 1912.

1,064,059.

Patented June 10, 1913.

Fig-1-

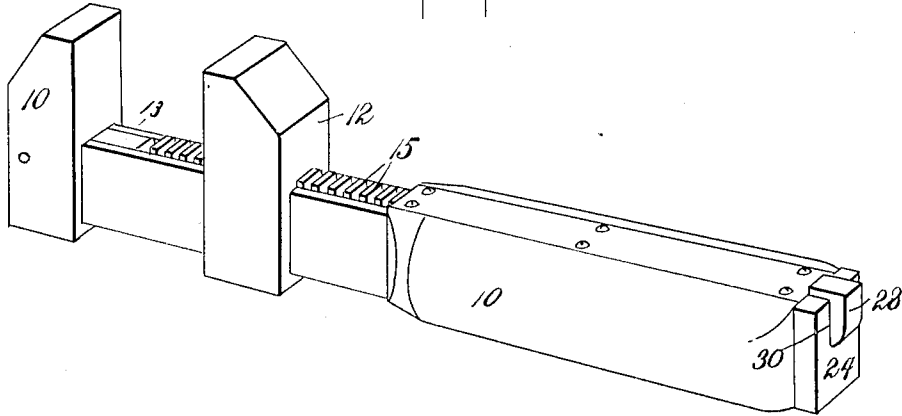


Fig-2-

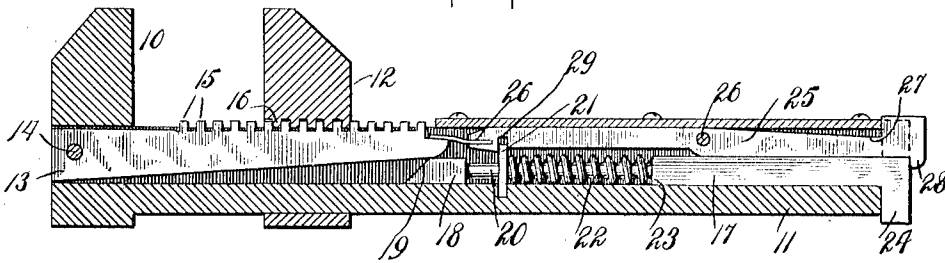
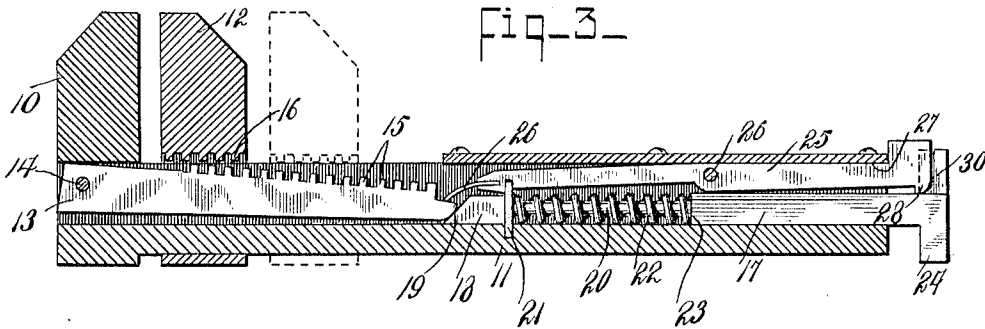


Fig-3-



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THEODORE C. DOREDANT, OF NEW ORLEANS, LOUISIANA.

MONKEY-WRENCH.

1,064,059.

Specification of Letters Patent.

Patented June 10, 1913.

Application filed September 10, 1912. Serial No. 719,568.

To all whom it may concern:

Be it known that I, THEODORE C. DOREDANT, a citizen of the United States, and a resident of New Orleans, in the parish of Orleans and State of Louisiana, have invented a new and Improved Monkey-Wrench, of which the following is a full, clear, and exact description.

My invention has for its main object to produce a wrench having improved means for permitting a quick adjustment of the movable jaw.

A further object of the invention is to provide in connection with the means for adjusting the movable jaw, an improved latch device for holding the movable jaw in the adjusted position.

The invention will be particularly described in the specific description herein-after to be given.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of a wrench embodying my invention; Fig. 2 is a longitudinal vertical section of the movable jaw in the locked position; and Fig. 3 is a similar view with the parts in the position they assume when the movable jaw is released.

In constructing a wrench in accordance with my invention, a fixed jaw 10 is provided on a hollow handle 11, and a jaw 12 is slidably mounted on the handle, for movement toward and from the fixed jaw. A locking bar 13 is pivoted as at 14, within the hollow handle adjacent to the fixed jaw and extends rearwardly the distance it is desired to slide the movable jaw. Suitable interengaging projections are provided on the movable jaw and on the locking bar 13, there being in the present instance teeth 15 on the locking bar and mating teeth or projections 16 on the movable jaw.

The locking bar 13 is adapted to rock toward and from the movable jaw, to and interlock therewith. To move said locking bar to the outer position, a slide 17 is provided having a head 18 formed with a wedge-shaped or beveled end 19, the slide furthermore having between the body and the head 18 thereof, a reduced portion 20, which passes through a guide piece 21, which forms an abutment for the front end of a compression spring 22, the opposite end

of which abuts against a shoulder 23 on the slide 17. The tendency of the spring is to return the slide to the rearmost position with the head 18 thereof out of engagement with the locking bar 13. The rear end of the slide 17 has a head 24 adapted to bring up against the rear end of the handle 11, for limiting the inward movement of the slide. Within the handle 11 also, and ranging alongside the slide 17 is a latch bar 25, pivoted between its ends, as at 26, and extending forwardly to a point adjacent to the rear end of the locking bar 13, there being a plate spring 26 carried by the front end of the latch bar and bearing against the rear end of the locking bar. Near the rear end the latch 25 is recessed, as at 27, which permits a rocking of the latch toward the adjacent side of the handle 11. At the opposite side the latch 25 has a projection 28 adapted to engage the rear end of the slide 17.

In operation, when it is desired to shift the position of the movable jaw from that shown in Fig. 2 to a position nearer to or farther from the fixed jaw, the latch 25 is rocked to the position shown in Fig. 3, and the slide 17 will then be moved by the action of its spring 22 rearwardly of the locking bar, by reason of which the spring 26 will rock the locking bar inward on its pivot 14 out of engagement with the movable jaw, and the latter is now free to be moved forward or back of the handle 11. The head 24 is slotted as at 30, to accommodate the rear end of the latch bar 25. To again lock the movable jaw in adjusted position the slide 17 is moved forwardly to cause the head 18 to rock the locking bar 13 outwardly against the tension of the spring 26 and into engagement with the movable jaw. The forcing out of the locking bar places the spring 26 under tension, and when the slide 17 has reached the forward position, as in Fig. 2, said spring will have rocked the latch 25 to a position to bring the projection 28 in the rear of the slide 17, thus holding the parts in locked adjustment. The inner side of the latch 25 in the form shown, has a notch 29 to receive the end of the guide piece 21.

It will be understood that the illustrated example is merely given as a simple practical embodiment of my invention, and I do not confine myself to the exact form of construction illustrated.

Having thus described my invention, I

claim as new and desire to secure by Letters Patent:—

5 1. A wrench, comprising jaws, one of which is movable toward and from the other, a locking device for the movable jaw, an actuating member for the locking device, a latch for the actuating member, and a spring on the latch for engagement with the locking device for throwing the latch.

10 2. A wrench, comprising jaws, one of which is movable toward and from the other, a locking device for the movable jaw, means for moving the locking device into engagement with the movable jaw; a latch for holding the parts in adjusted position, and spring means normally tending to move the locking device out of locking position and to move the latch into the latching position.

20 3. A wrench, comprising jaws, one of which is movable toward and from the other, a locking device, means for moving the locking device out of engagement with the movable jaw, and latching means operable by the locking device to hold the parts in the adjusted position.

25 4. A wrench, comprising a handle having a fixed jaw, a second jaw slidable on the han-

dle, a locking bar pivotally mounted within the handle to rock toward and from the movable jaw, said movable jaw and said locking bar having teeth adapted for inter-engagement, a slide movable in the handle, said slide having a head at the rear end, a compression spring surrounding the slide intermediate its ends, a guide piece in the handle through which the slide extends and against which the spring abuts at one end, said spring abutting its opposite end against the slide, a latch bar ranging alongside the slide within the handle, and pivoted to rock, said latch having a projection at its rear end to engage the head of the slide, the latch bar furthermore having a notch to accommodate the mentioned guide piece, and a plate spring carried by the forward end of the latch bar and bearing against the rear end of the locking bar.

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

THEODORE C. DOREDANT.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."