

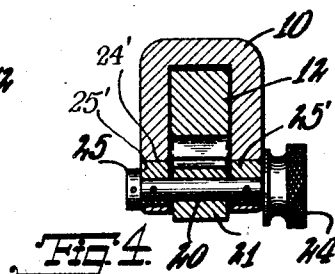
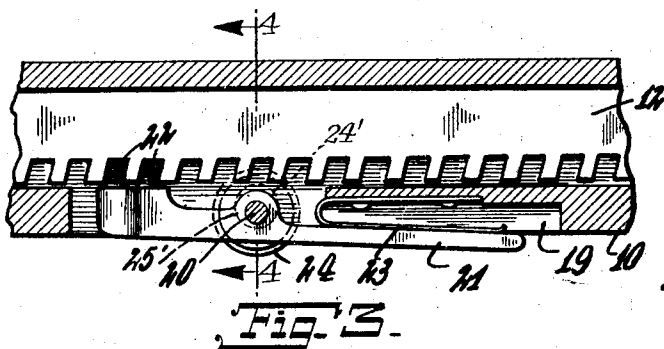
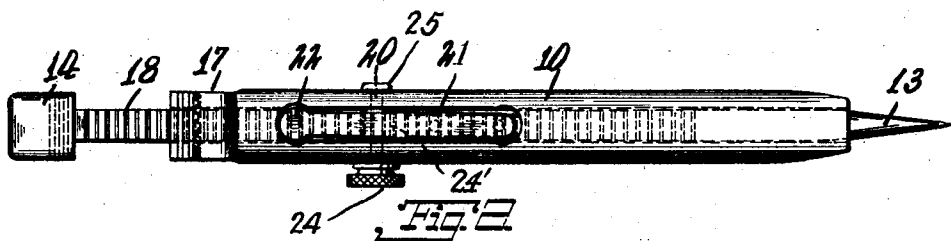
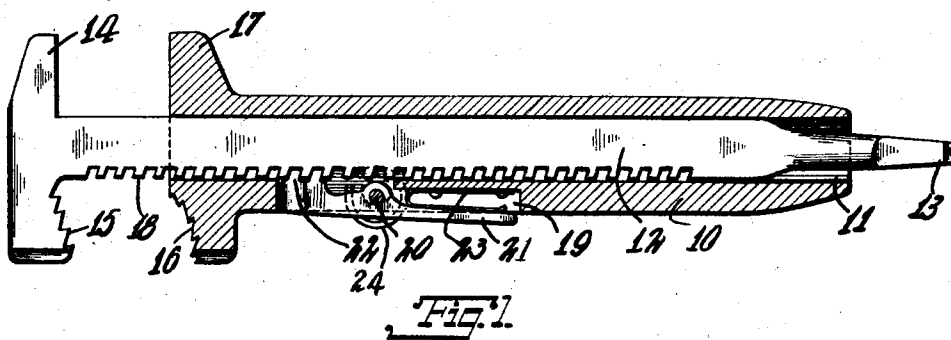
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MONKEY WRENCH

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MONKEY WRENCH.

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This invention relates to improvements in wrenches, and it is the principal object of the invention to provide a wrench with means for locking the movable member to the stationary member of the wrench in any of its adjusted positions.

Another object of the invention is the provision of a wrench with simple and inexpensive locking means conveniently operated.

A further object of the invention is the provision of a wrench provided with novel and improved means for conveniently adjusting the relative positions of its members.

These and other objects and advantages of the invention will become more fully known as the description thereof proceeds, and will then be specifically pointed out in the appended claim.

In the accompanying drawing, forming a material part of this disclosure:

Fig. 1 is a sectional side elevation of a wrench constructed according to the present invention;

Fig. 2 is a bottom plan view thereof;

Fig. 3 is a fragmentary detail view of the wrench, partly in section and on an enlarged scale; and

Fig. 4 is a cross-section on line 4—4 of Fig. 3.

The wrench comprises the stationary member 10 having a longitudinally extending chamber 11 in its body in which is displaceably guided the movable wrench member 12, having one of its outer ends formed into a screw-driver 13 or the like, while its opposite end carries the jaw 14 having a serrated portion 15 adapted to cooperate with a serrated portion 16 of the jaw 17 of member 10.

The lower edge of the movable wrench member 12 is formed with a rack 18 having slanting teeth.

The member 10 has formed in its body part intermediate the ends thereof, a chamber or recess 19 in which is pivoted on a pin 20, a lever 21 having at one end an upstanding tooth or finger 22 (two being shown in Fig. 3) adapted to grip between the teeth of the rack 18. A leaf spring 23, having its material bent upon itself, has one of its

shanks attached to the upper wall of chamber 19 while its lower shank rests against the upper lip of handle lever 21.

The pin 20 carries at one end a knurled knob 24 and at its opposite end a washer or collar 25, while intermediate its ends it carries cams 25' adapted to be disposed in the circular apertures 24' of the body member 10 allowing a more or less compression of spring 23 to facilitate the adjustment of the movable member.

The position of the pin 20 may be very slightly changed by a very slight turn of the knob 24 for the purpose of tensioning the spring 23 if desired, or materially changed by a 180° rotation of the knob 24 for positioning the handle lever 21 in the chamber 19 to prevent further depression thereof into the chamber. When the handle lever 21 is thus positioned in the chamber 19 it is impossible to further depress it for disengaging the tooth 22 of the lever from the teeth 18 of the rack, thus locking the parts in adjusted position.

The operation of my device will be entirely clear from the above description. If it is desired to apply the wrench to an object, the handle 21 is pressed inwardly by the hand against the action of leaf-spring 23, to disengage tooth or teeth 22 from the rack 18 and the jaws of the wrench may then be conveniently and suitably adjusted to grip the object therebetween, whereupon the grip of the hand on lever or handle 21 is released, so that the finger 22 will again engage the rack, and lock the parts in their relative adjusted positions.

It will be understood that I have illustrated and described one of the many forms of construction of my wrench as an example only, and that such changes may be made as fall within the scope of the appended claim without departure from the spirit and principle of the invention.

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

In a wrench of the class described, a chambered body member provided with circular apertures, a pintle pin comprising eccentric

cam elements for engaging said circular apertures, a locking lever pivotally mounted on said pintle pin and disposed in the chamber of said body, a spring disposed under one end of said lever adapted to project the same outwardly from said chamber, said projected end being adapted to be depressed for disengaging the opposite end of said lever, and means for rotating said pin to position the projected end of said lever in said chamber to prevent depression thereof. 10

In testimony whereof I have affixed my signature.

JOHN M. BESZCZAK.