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SUPPORT MEANS FOR TOGGLE-ACTUATED WRENCHES AND THE LIKE

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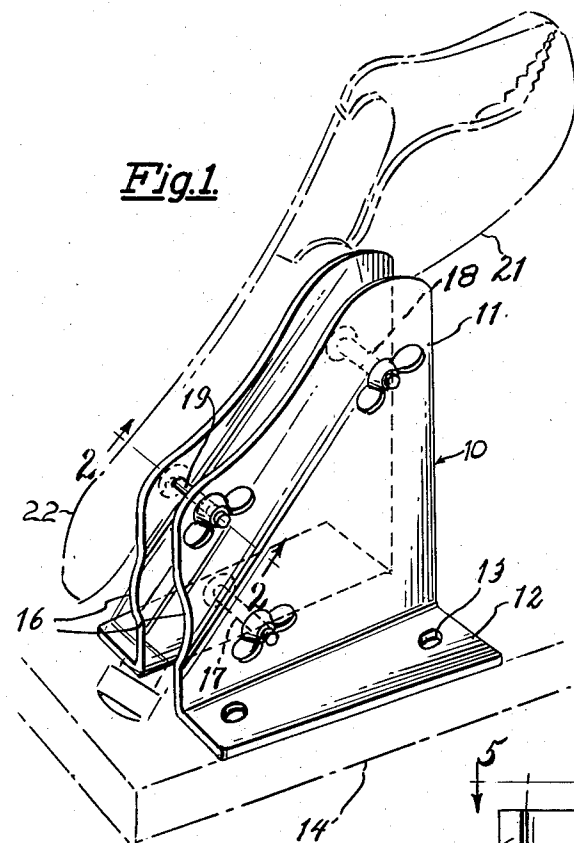


Fig. 1

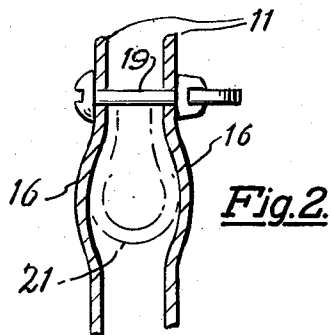


Fig. 2

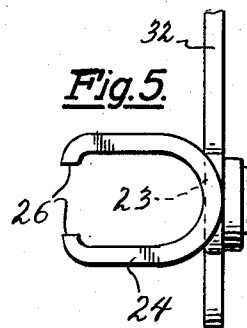


Fig. 5

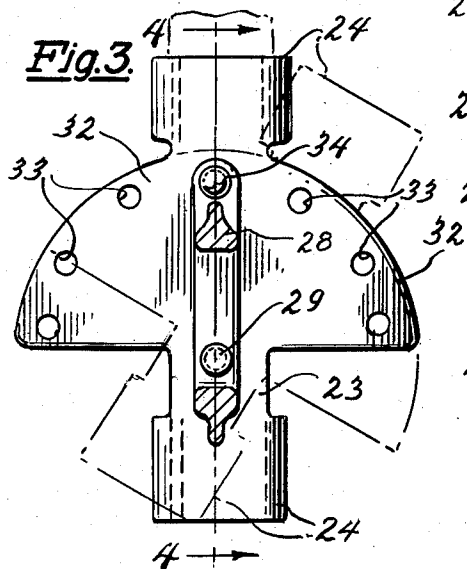


Fig. 3

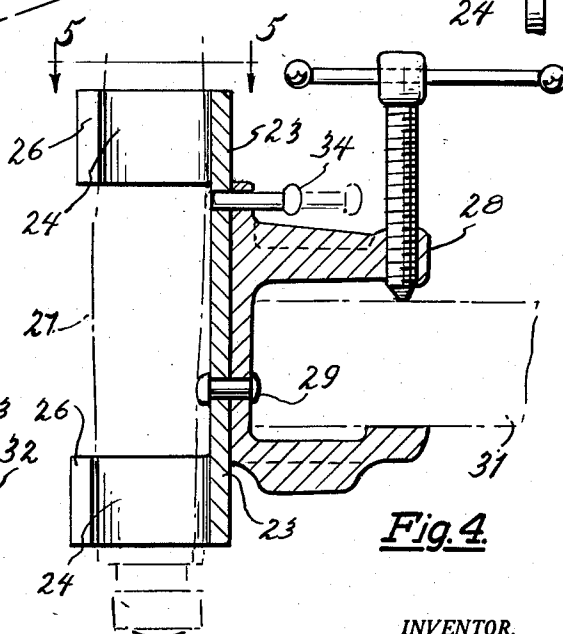


Fig. 4

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SUPPORT MEANS FOR TOGGLE-ACTUATED WRENCHES AND THE LIKE

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1 Claim. (Cl. 81—41)

My invention relates to support means for toggle-actuated wrenches and the like.

Wrenches of the type with which it is intended that my invention be used are generally known as toggle wrenches which may be locked on the article to which they are applied. This feature permits the wrench to be used in the nature of a vise, but of course the structure of the tool requires that it be grasped in one hand, leaving only one hand of the operator available for performing work on the article or articles locked in the tool.

Accordingly, it is an object of my invention to provide means for supporting the wrench in a desirable position so that an operator may have both hands available for performing work on the article gripped in the wrench, said means being attachable to a support by a C-clamp, and being adjustable on the C-clamp for positioning the wrench in a variety of angular positions.

Still a further object of my invention is the provision of a device of the foregoing character, which is simple in construction, durable in service and economical to manufacture.

Other and further objects and advantages of my invention will become apparent from the following description when considered in connection with the accompanying drawings, in which—

Fig. 1 is a perspective view of one embodiment of my invention and showing the wrench supported thereby;

Fig. 2 is a cross-sectional view on an enlarged scale taken substantially on line 2—2 of Fig. 1;

Fig. 3 is a rear elevation of a modified embodiment of my invention, two arms of a C-clamp being shown in section;

Fig. 4 is a cross-sectional view taken substantially on line 4—4 of Fig. 3; and

Fig. 5 is a fragmentary top view looking in the direction of the arrows 5—5 of Fig. 4.

Referring to the drawings, and particularly to Figs. 1 and 2, one form of my invention comprises a pair of substantially L-shaped members 10 adapted to be arranged in complementary opposed relationship and each comprising a vertical wall portion 11 and an integral lower flange 12. Each of these flanges is provided with perforations 13 to receive screws by which the members may be secured to a top surface of a support 14.

Each of the walls 11 is bowed slightly outwardly as at 16, as illustrated in Figs. 1 and 2, the bowed-out portion extending from the forward edge of the wall upwardly and angularly toward the rear edge. Each of the walls 11 is further provided with a series of apertures, with corresponding apertures intended to be in registration to receive bolts 17, 18 and 19 provided with wing nuts. As will be seen clearly in Fig. 1, bolts 17 and 18 are arranged in substantial alignment with the lower edge of the bowed-out portions 16. These two bolts afford support for the toggle wrench 21, the stationary-jaw handle of which is snugly received between the two walls 11 in the bowed-out portions 16. The bolt 19 passing through the upper forward portions of the walls 11 affords additional means for effecting a clamping action against the stationary handle of the wrench when the same is received between the two walls. It will be understood that all of the wing nuts are intended to be tightened, thereby to securely lock

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the wrench in the supporting means. The movable handle 22 of the wrench is of course free of the clamping walls 11 and may be manipulated readily by the operator to lock or unlock a workpiece between the jaws of the wrench. It will be apparent that the wrench may be readily removed, so that it may be otherwise used to perform its intended functions.

Referring to the modified embodiment illustrated in Figs. 3—5, my invention comprises a vertical member 23 to which may be secured or integrally formed therewith a pair of spaced C-shaped brackets 24 having in-turned terminal portions 26 substantially as illustrated in Fig. 5, said C-shaped brackets being of such size and configuration as to receive snugly a stationary-jaw handle 27 of a toggle wrench, as illustrated in Fig. 4. The vertical member 23 is secured to a conventional C-clamp 28, as by a rivet 29, which affords a pivotal connection between the vertical member 23 and the clamp 28. It is understood that the clamp is intended to be secured to the marginal edge of a table surface 31 in the manner illustrated. Integral with the vertical member 23 are a pair of co-planar, side, quadrant wing plates 32 each of which is provided with a plurality of spaced apertures 33 arranged along an arcuate line, the center of which is the axis of the rivet 29. The vertical member 23 is provided with a similar aperture which is on the same arcuate line. The C-clamp 28 is also provided with an aperture which is arranged to register selectively with each of the apertures along the arcuate line and to receive a pin 34 which passes through registering apertures to secure the vertical member 23 and brackets 24 in a desired angular relationship with respect to the C-clamp 28.

Fig. 3 illustrates in dotted lines one of such positions capable of being assumed by the brackets 24. It will thus be apparent that, when the wrench handle 27 is received in the brackets 24, it may be adjusted to one of a plurality of angular positions, to render the workpiece in the wrench more conveniently accessible for operation thereon.

Various changes and modifications coming within the scope of my invention will doubtless suggest themselves to those skilled in the art. Hence, I do not wish to be limited to the specific form shown or uses mentioned.

I claim:

A device for supporting a toggle wrench or the like comprising a metal member having spaced portions each formed into a socket of generally C-shaped cross section and both being in registering alignment and arranged to receive a stationary-jaw handle of a toggle wrench, the portion of said member intermediate said sockets being substantially flat and having a series of arcuately arranged apertures therein, a C-clamp pivotally secured to said member at a point coincident with the center of the arc of said apertures, said clamp being adapted to secure said member to a supporting surface, and a pin slidably carried in said clamp and arranged to be selectively received in one of said apertures to lock said member in a selective angular position of adjustment relative to said clamp.

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