Nov. 4, 1947. H. F. SHICK, JR 2,430,144

FLEXIBLE BAND JAR WRENCH

Filed Dec. 18, 1944

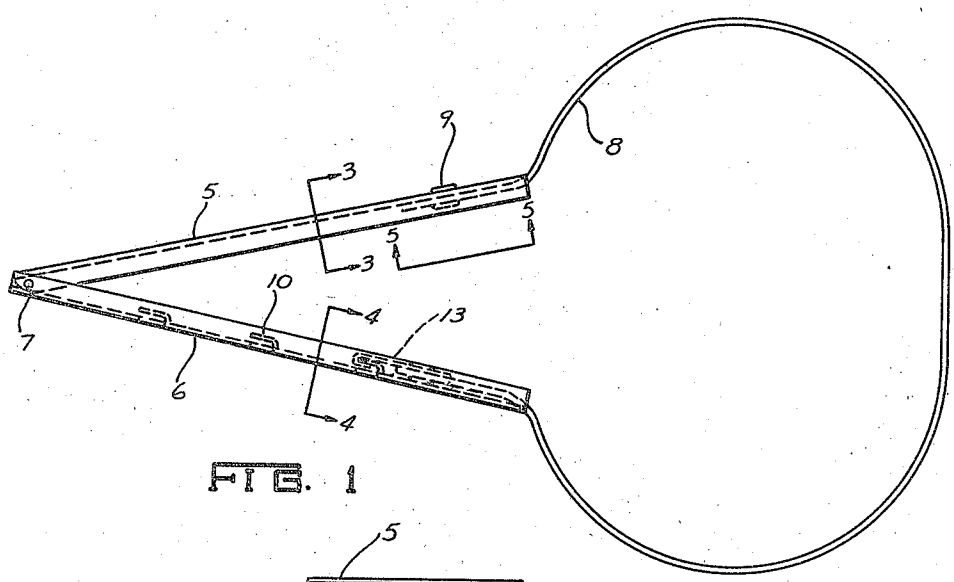


FIG. 1

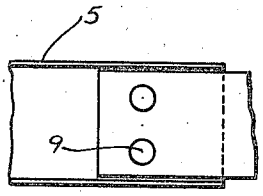


FIG. 5

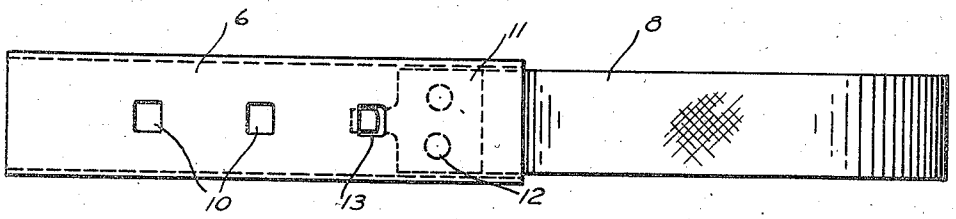


FIG. 2

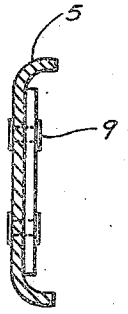


FIG. 3

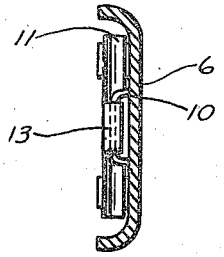


FIG. 4

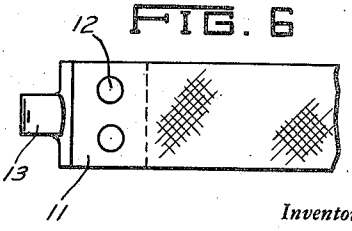


FIG. 6

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Patented Nov. 4, 1947

2,430,144

UNITED STATES PATENT OFFICE

2,430,144

FLEXIBLE BAND JAR WRENCH

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Application December 18, 1944, Serial No. 568,707

1 Claim. (Cl. 81—3.43)

1

The present invention relates to new and useful improvements in jar wrenches adapted for holding a jar while tightening and removing screw caps on jars and the like and the invention has for its primary object to provide a flexible band adapted for friction gripping engagement with the jar together with pivoted handles connecting the free end of the band for contracting the band into tight gripping engagement with the jar.

A further important object of the present invention is to provide means for adjustably connecting the band to the handle to adapt the device for use on jars of different sizes.

A further object is to provide a device of this character of simple and practical construction, which is strong and durable, efficient and reliable in use, relatively inexpensive to manufacture and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a top plan view of the jar wrench.

Figure 2 is a side elevational view.

Figure 3 is a transverse sectional view through one of the handle members taken substantially on a line 3—3 of Figure 1.

Figure 4 is a similar view of the other handle member taken substantially on a line 4—4 of Figure 1.

Figure 5 is a fragmentary view in elevation of the inside of one of the handle members to which one end of the flexible band is attached, and

Figure 6 is a fragmentary side elevational view of the other end of the band providing the adjustment therefor.

Referring now to the drawings in detail wherein for the purpose of illustration I have disclosed a preferred embodiment of the invention, the numerals 5 and 6 designate a pair of handles of channel shape in cross section and pivotally connected to each other at one end by a pin 7.

The channel portions of the handle are arranged in opposed relation with respect to each other and to the inner side of the handle 5, adjacent its free end, is attached one end of a flexible strap 8 of rubberized fabric by means of a rivet 9.

The inside of the other handle member 6 is provided with a plurality of longitudinally spaced tongues 10 struck from the material of the handle, the tongues being bent substantially parallel to the handle with their free ends extended in

2

a direction toward the pivoted end thereof as will be apparent from an inspection of Figure 1 of the drawings.

A plate 11 is secured to the other end of the strap 8 by means of rivets 12, the outer edge of the plate being formed with a hook 13 adapted for selective engagement with the tongues 10 of the handle 6.

Accordingly, the diameter of the strap 8 may be adjusted by the engagement of the hook 13 with the respective tongues 10.

When using the device as a jar wrench, the hook 13 is engaged with one of the tongues 10 to adjust the diameter of the strap 8 according to the size of the jar to be engaged and the strap 8 is then placed around the jar and the handles 5 and 6 gripped for moving the free ends thereof toward each other whereby to contract the strap 8 about the jar and to cause friction gripping engagement thereof with the jar whereupon the jar lid may be rotated for either tightening or loosening the same, as desired.

It is believed that the details of construction and manner of use of the device will be readily understood from the foregoing without further detailed explanation.

Having thus described the invention, what I claim is:

A jar wrench comprising a pair of handles of channel shape in cross section and pivotally connected to each other at one end, a flexible strap secured in the channel of one of said handles adjacent the free end thereof, a plurality of tongues struck from the channel of the other of said handles in longitudinally spaced relation from each other, said tongues being bent inwardly toward the pivoted end of the handle and a hook attached to the other end of said strap and adapted for selective engagement with said tongues to adjust the diameter of the strap.

HARRY F. SHICK, JR.

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