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E. H. GUESS

JAR WRENCH

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Fig. 1.

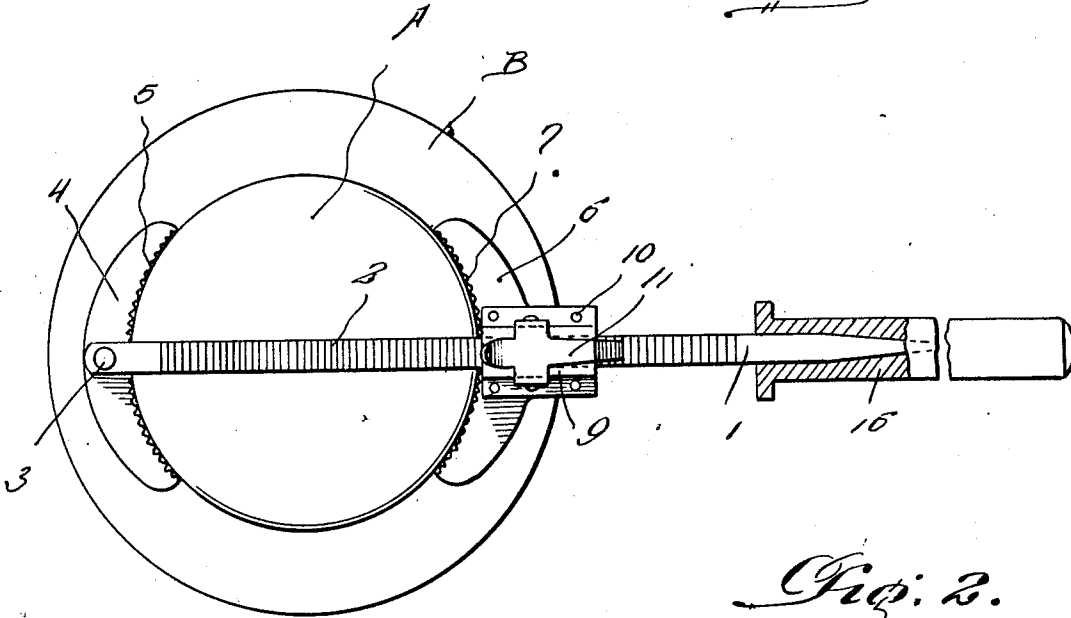


Fig. 2.

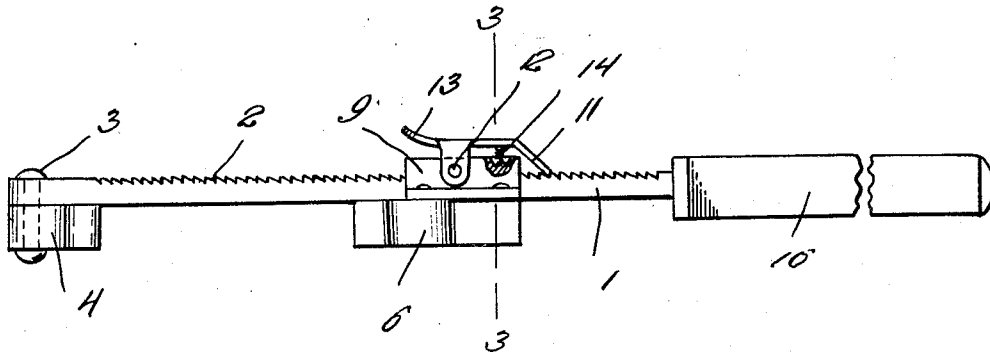
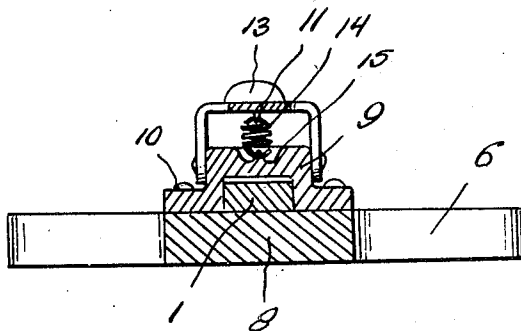


Fig. 3.



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JAR WRENCH.

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This invention relates to improvements in wrenches and is more particularly adapted to a device for facilitating the removal of screw threaded covers from jars.

Another important object of the invention is to provide a jar wrench of the above mentioned character, which may be easily and readily adjusted in position on the cover of a jar for facilitating the removal thereof from the jar, the device saving considerable time and labor as well as preventing the hands of the operator from coming in contact with the sharp edge of the cover.

A still further object of the invention is to provide a jar wrench of the above mentioned character, which is simple in construction, inexpensive, strong and durable and furthermore adapted for the purposes for which it is designated.

Other objects and advantages of this invention will become apparent during the course of the following description.

In the accompanying drawing forming a part of this specification and in which like numerals designate like parts throughout the same:

Figure 1 is a top plan view of the jar wrench embodying my invention showing the same in use.

Figure 2 is a side elevation thereof, and Figure 3 is a sectional view taken approximately on line 3--3 of Figure 2.

In the drawing wherein for the purpose of illustration is shown the preferred embodiment of my invention, the numeral 1 designates an elongated lever, the upper face of which is provided with the ratchet teeth 2, the purpose of which will hereinafter be more fully described. Secured on the forward end of the lever 1 as at 3 is the arcuate shaped jaw 4 which I designate as the stationary jaw. The inner face thereof is provided with the serrations or corrugations 5 as is clearly illustrated in Figure 1. The stationary jaw 4 is preferably secured to the bottom face of the forward end of the lever 5.

Cooperating with the stationary jaw 4 is the movable jaw 6. The latter is also substantially of arcuate configuration and the inner face thereof is serrated or corrugated as illustrated at 7. The movable jaw 6 is disposed on the under side of the lever and secured to the upper face of the movable jaw 6 and the extension 8 formed at the in-

intermediate portion thereof is the housing 9. The securing means is illustrated at 10. The housing 9 extends over the lever 1 in such a manner as to permit the movable jaw 6 to slide freely on the bottom face of the lever.

The movable jaw 6 is held in the proper adjusted position on the lever 1 with respect to the stationary jaw by means of the pivoted pawl 11 which is pivotally supported as at 12 on the housing 9. The rear end of the pawl is disposed downwardly for engagement with the ratchet teeth 2 while the forward end of the pawl is bent upwardly as at 13 to provide a handle for releasing the pawl from engagement with the ratchet teeth. A coil spring 14 is secured at its lower end in a suitable cavity 15 formed in the top of the housing 9 adjacent the rear end thereof while the upper end of the coil spring is fastened to the under side of the pawl as is clearly illustrated in Figure 3.

A wooden handle 16 is fitted over the rear end of the lever to facilitate the easy operation thereof.

It is often experienced that the usual screw cap or cover of a fruit jar will become stuck on the neck of the jar and difficulty is experienced in attempting to unscrew the cover from the jar. Furthermore, in attempting to remove a screw cover from the jar, the hands of the operator will come in contact with the sharp edge of the cover and frequently will be cut due to the pressure exerted on the cover in attempting to loosen the same. Further, sharp pointed tools are frequently used in attempting to remove the rubber gasket from the neck of the jar or bottle and the use of such a tool sometimes results in the breaking of the jar or bottle.

In use, my improved jar wrench is positioned on the cover A of the jar B in such a manner as to have the lever 1 resting on top of the cover with the teeth 5 of the stationary jaw 4 engaging the rim of the cover. The movable jaw 6 is then moved along the lever until the teeth 7 of the jaw 6 engage the cover 8 at a point diametrically opposite the stationary jaw 4. The pawl 11 will automatically be in locked engagement with the ratchet teeth 2 and prevent the movable jaw from becoming disengaged from the cover. With the parts arranged as shown in the drawing, by actuating the handle 16 in the proper direc-

tion, the cover A which is screw threaded on the threaded neck of the jar or bottle may be easily removed therefrom without any danger of the jar becoming broken or the hands of the operator coming in contact with the sharp edge of the cover.

The provision of a jar wrench of the above mentioned character, will save considerable time and labor in removing jar covers and furthermore the wrench may be readily adjusted to accommodate various sizes of jar covers.

While I have shown the preferred embodiment of my invention, it is to be understood that various changes in the size, shape and arrangement of parts may be resorted to without departing from the spirit of the invention and the scope of the appended claim.

Having thus described my invention, what I claim is:—

A jar wrench comprising an elongated lever having its top serrated to provide rack teeth, a handle carried by the inner end of said lever, an arcuate toothed jaw pivoted between its ends to the under side of the lever at the outer end of the latter, a second arcuate toothed jaw in slidable contact with the under side of the intermediate portion of the lever, said second named jaw being provided with a central extension underlying said underside, a housing connected to said extension and second named jaw, and a spring pressed pawl pivotally mounted upon said housing and cooperable with said teeth.

In testimony whereof I affix my signature.

EDWARD HENRY GUESS.