

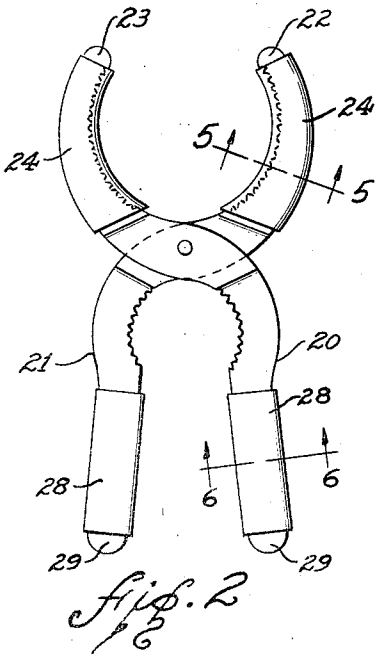
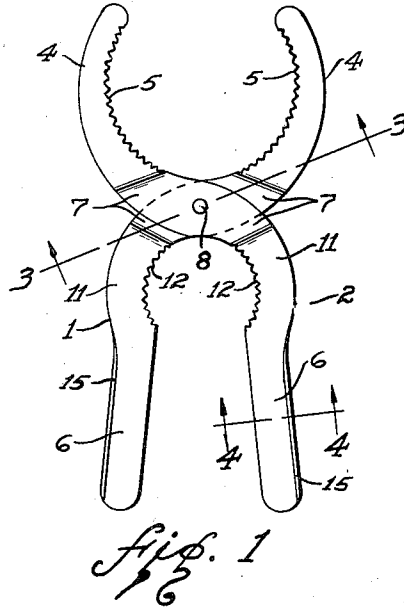
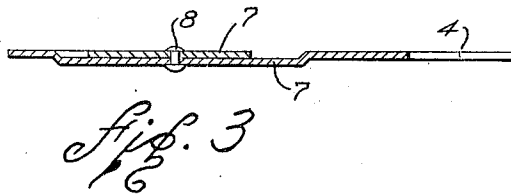
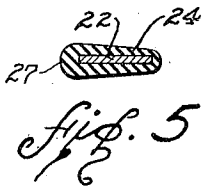
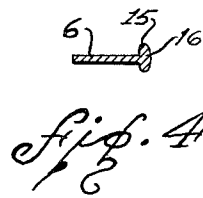
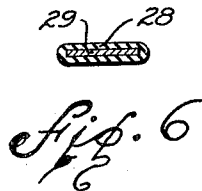
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JAR COVER WRENCH

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JAR COVER WRENCH

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1 Claim. (Cl. 81—3.1)

This invention relates to tools and more particularly to jar cap wrenches.

One of the objects of the invention is to provide a new and improved jar cap wrench.

Another object of the invention is to provide a jar cap wrench having new and improved gripping qualities and one which will grip a jar cap or the glass part of the jar without defacing the same.

Another object of the invention is to provide a plier like jar cap wrench which is efficient for the purpose, of simple construction and one which may be produced at low cost.

These objects and the several novel features of the invention are hereinafter more fully described and claimed and the preferred form of construction by which these objects are attained is shown in the accompanying drawing in which—

Fig. 1 is a view shown in elevation of my improved wrench.

Fig. 2 is a view shown in elevation of another form of my improved wrench embodying features of my invention.

Fig. 3 is a view in cross section taken on line 3—3 of Fig. 1.

Fig. 4 is a view in cross section taken on line 4—4 of Fig. 1.

Fig. 5 is a view in cross section taken on line 5—5 of Fig. 2.

Fig. 6 is a view in cross section taken on line 6—6 of Fig. 2.

Referring to the drawing, and more particularly to Figs. 1 and 3 thereof, my improved wrench, as illustrated, is of plier-like construction consisting of two S-shaped members 1 and 2 which are preferably formed of sheet metal and of like shape, one of which may be assembled to the other in reversed relation to form the wrench. The ends 4 or large, curved portion of the duplicate S-shaped members constitutes the jaws of the wrench, the concavely-shaped edges 5 of which are preferably serrated to provide good gripping surfaces. The other ends 6 of the S-shaped members constitute the handles, by means of which the jaws may be moved toward each other.

Between the ends of the S-shaped members 1 and 2 are provided bent or offset portions 7 at which points they are pivotally connected as at 8, the offset portion 7 preferably being of a depth equal to the thickness of the metal so that when assembled, the offset portions 7 cause the jaws and also the handles of the two members to be in the same plane which is desirable. By providing

this depressed portion 7 in each member of the wrench it will be seen that not only the jaws and handles are in the same plane but that the members so formed are reversible, that is, the wrench is constructed by pivotally connecting one side of one member to the corresponding side of the other member, consequently the members 1 and 2 may be made from the same die thus enabling a suitable wrench to be produced at low cost.

Gripping jaws are also provided in the smaller curved portion 11 of the S-shaped members the concavely shaped edges 12 of which are also provided with serrations so as to obtain a good gripping surface. Between these cooperating gripping surfaces 12, caps of smaller diameter may be gripped by moving the handles 6 toward one another. The outer edges of the handles are preferably provided with a flange portion 15 rounded as at 16 to provide a comfortable grip for the hand as shown in Fig. 4. This grip may be inexpensively formed on the edges of the handles by rolling the edges thereof.

Referring now to Figs. 2, 5 and 6, in this form of my invention the S-shaped members 20 and 21 may also be formed in the same manner as those in Fig. 1, that is as duplicates, the face of one member being pivoted to the corresponding face of the other member to form the wrench. The jaws 22 and 23, instead of having the serrations as the contact gripping surface as in Fig. 1, are provided in this instance with frictional gripping members 24 which may be rubber or any other suitable gripping material, preferably a material which is yieldable under pressure.

These rubber grips are preferably in the form of sleeves which may be slipped over the ends of the jaws and be held in place by the serrations thereof thus providing a good gripping surface and one which will not deface the article gripped. This type of wrench is particularly suitable for taking hold of the glass body part of fruit jars that are too hot to be handled with the hands. The rubber of the sleeves 24 is preferably thicker on the inner gripping edge as indicated at 27 in Fig. 5. In this construction I have also provided rubber sleeves 28 for covering the handles 29 to provide a more comfortable grip for the hand.

From the foregoing description it will be seen that I have provided a new and improved wrench for removing jar covers and one which is so constructed that it may be produced at low cost. By providing the S-shaped members with the offset portions 7 it will be seen that the gripping jaws and the handles fall in the same plane

- which is desirable, and that the members may be duplicates and consequently be formed from the same die at low cost. In addition it will be seen that I have provided a wrench the clamping jaws of which are faced with yieldable gripping members providing new and improved gripping qualities in a wrench and grips which will not deface the article gripped, and which grips better due to the resiliency of the rubber gripping surface.
- 10 Having thus fully described my invention, its utility and mode of operation, what I claim and desire to secure by Letters Patent of the United States is—
- 15 A jar cover wrench comprising two sheet metal members of S-shaped form having the bodies thereof offset in the mid portions in respectively

opposite directions and pivoted together centrally of the offset portions, said members on one side of the pivot and at an end thereof having terminal handle portions and adjacent the pivot having similarly outcurved portions, the inner faces of which are serrated, the members on the opposite side of the pivot being outcurved on a greater radius than the portions of the first mentioned outcurved portions, the opposite faces thereof being serrated and each terminal handle portion being T-shaped in cross section with the cross member of the T-shaped portion extending along the outer edge of each terminal handle portion.

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