

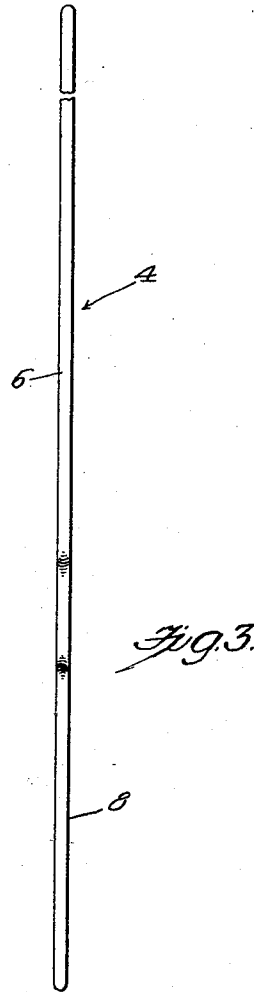
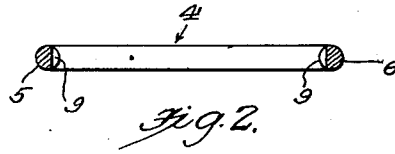
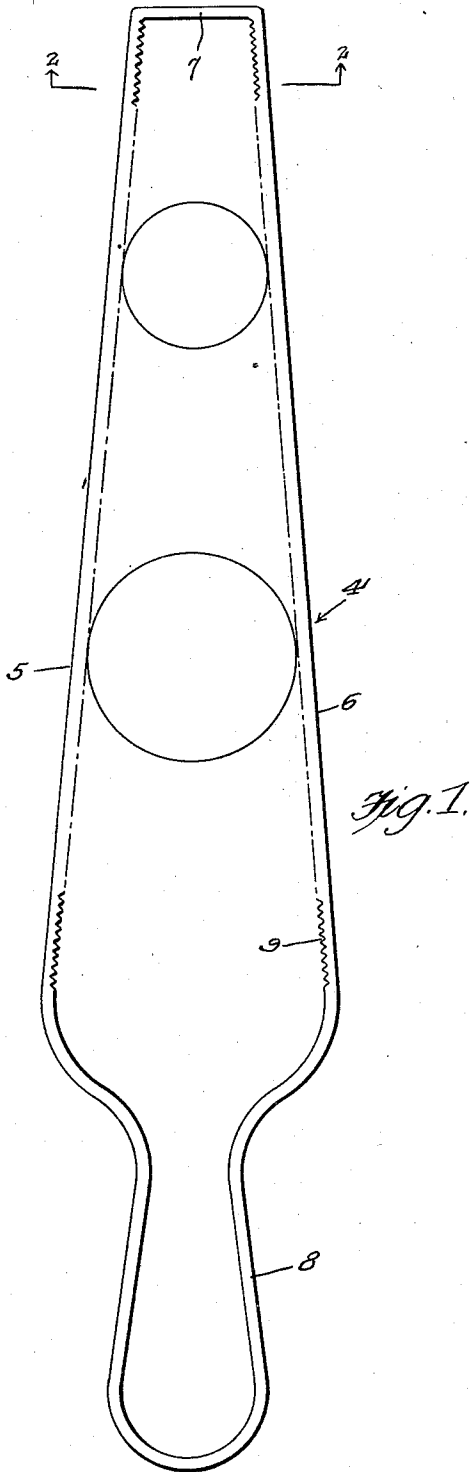
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S. LAWLER

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BOTTLE CAP WRENCH

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UNITED STATES PATENT OFFICE

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BOTTLE CAP WRENCH

Application filed February 10, 1931. Serial No. 514,876.

This invention relates to an improved tool or implement which may be described as a wrench and which is particularly designed to expedite the removal of a screw cap from various kinds of containers, particularly medicine bottles of the type employing sheet metal screw caps.

It is a matter of common knowledge that these types of caps are quite difficult to remove and many kinds of makeshift devices and implements are employed for forcing the cap off, some persons resorting to hammers and the like to expedite the cap removal, the result being distortion of the cap and frequent breakage of the bottle.

The present invention comprehends a simple and economical wrench in the form of a longitudinally elongated wedge shaped frame having a handle at one end, and having its side portions formed with gripping teeth to engage the rim portion of the cap to facilitate removal.

The purpose of the invention is to provide a longitudinally tapered frame which is susceptible of gripping a variety of caps of varying sizes and diameter.

In the drawings:

Figure 1 is a top plan view of a wrench constructed in accordance with the invention.

Figure 2 is a cross section on the line 2—2 of Figure 1.

Figure 3 is an edge elevational view.

As before implied the wrench is characterized primarily in the form of a longitudinally elongated frame denoted generally by the reference character 4. This is formed from a single length of wire rod of suitable proportions preferably cylindrical in cross section as shown in Figure 2. The frame is longitudinally elongated tapered or wedge shaped designed so as to accommodate different sizes of caps. It includes a pair of companion side members 5 and 6 connected together by an end member 7. At the wide end of the frame is a reduced hand grip 8 of suitable shape. The inner opposed edges of the members 5 and 6 are either serrated or corrugated to provide gripping teeth 9 to securely engage the flange portion of the bottle cap.

In practice the frame portion of the

wrench is slipped over the cap while the cap is on the bottle and the cap is wedged into the narrow end portion of the frame until the teeth 9 securely grips the rim portion of the cap. By then holding the bottle with one hand, turning the wrench with the handle 8, it is easy to loosen the cap by unscrewing it.

It is thought that the description taken in connection with the drawings will enable a clear understanding of the invention to be had. Therefore a more lengthy description is thought unnecessary.

While the preferred embodiment of the invention has been shown and described, it is to be understood that minor changes coming within the field of invention claimed may be resorted to if desired.

Having thus described my invention, what I claim as new is:

A cap wrench formed of a single piece of heavy wire shaped to form an elongated member having an elongated loop at one end thereof to form a handle, the sides of the member being convergently arranged, a cross piece connecting the sides of the member together at the small end of the device, and the ends of the sides at the large end of the device being curved inwardly to join the ends of the loop, whereby pressure upon the limbs of the loop will prevent the limbs of the device spreading apart when the device is in use, and the inner walls of the sides being serrated to form gripping surfaces.

In testimony whereof I affix my signature.

SAMUEL LAWLER.