No. 864,378. PATENTED AUG. 27, 1907.

E. F. IVES.

JAR OPENER.

APPLICATION FILED APR. 15, 1907.

Fig 1

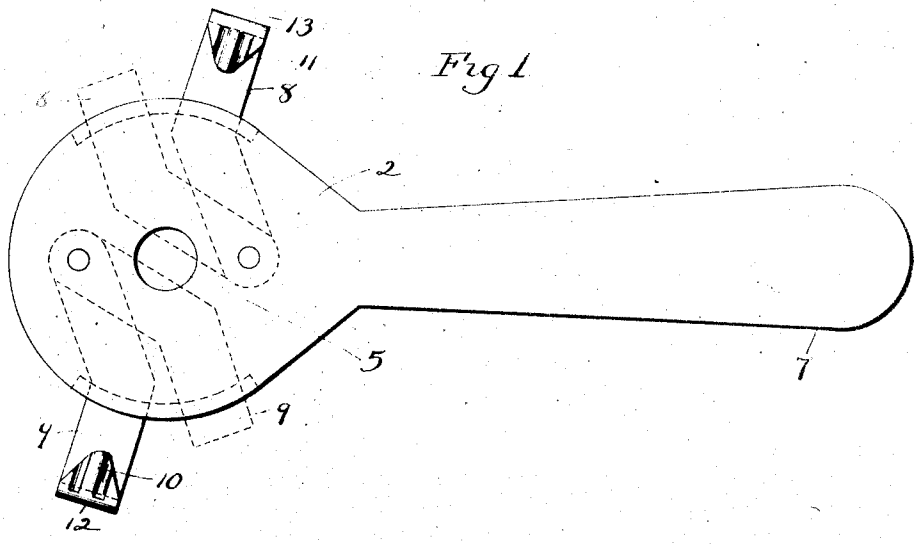
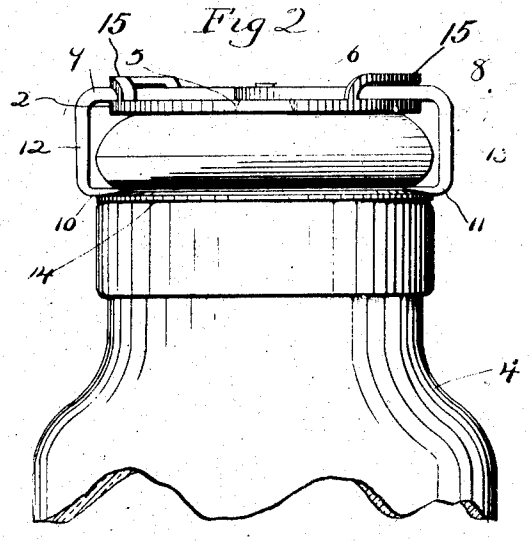


Fig 2



Witnesses:
Clifford J. Reed
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UNITED STATES PATENT OFFICE

EDWIN FRANCIS IVES, OF WALLINGFORD, CONNECTICUT.

JAR-OPENER.

No. 864,378. Specification of Letters Patent. Patented Aug. 27, 1907.

Application filed April 15, 1907. Serial No. 368,146.

To all whom it may concern:

Be it known that I, EDWIN FRANCIS IVES, a citizen of the United States, residing at Wallingford, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Jar-Openers; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1 an under side or plan view of a jar opener constructed in accordance with my invention. Fig. 2 a side view of the upper portion of a jar and its cap with my device shown in position for operation.

This invention relates to an improvement in jar openers and particularly a device for removing the glass tops of glass jars, which tops fit over the mouth of the jar and are usually held in contact therewith by a clamping device of some sort, a rubber washer being placed between the jar and the cap. After these caps have been in place sometime, owing to the adhesion of the rubber and to the vacuum in the jar, the caps stick and are many times very difficult to remove.

The object of this invention is the arrangement of a simple device which may fit over the top of a jar with jaws adapted to enter between the cap and the top so as to pry the cap upward; and the invention consists in the construction hereinafter described and particularly recited in the claims.

In carrying out my invention I employ a plate 2 corresponding substantially in form to the top of the glass jar 4 of usual construction, the plate 2 being preferably formed with a central opening 5 to give clearance for the locking projection 6 usually formed in the tops of glass jars. This plate is formed with a handle 7. Pivoted to the plate and preferably on a line with the center of the handle 7 and on opposite sides of the central opening 5 are arms 8 and 9. These arms are turned outwardly so as to project beyond the plate on opposite sides in a line with each other and are bent downward and terminate in inwardly projecting fingers 10 and 11 the downwardly bent portions 12 and 13 corresponding to the thickness of the cap so that when the plate rests upon the top of the cap the inwardly projecting fingers will come in line with the lower edge of the cap bearing on the packing washer 14. To limit the swinging movement of the arms I preferably arrange yokes or stops 15 on opposite sides of the plate beneath which the arms extend, these stops being formed integral with the plate or independently thereof and secured to the plate as may be desired.

In operation the arms are turned outward and the device placed upon the top of the jar. The arms are then forced inward so that the fingers enter between the cap 3 and the washer 14. The arms will be held in this position and the plate turned by its handle so as to force the points of the fingers between the cap and the washer and lift the cap away from the top of the jar. The device does not give the cap a twisting movement but simply forces the fingers between the cap and the jar so as to raise the cap; and, if desired, the under face of the fingers 10 and 11 may be corrugated or roughened so as to more firmly grip upon the rubber washer.

I claim:—

1. The herein described jar opener comprising a plate, a handle, arms pivoted to said plate on opposite sides of the center thereof said arms turned outward and bent downward and formed with inwardly projecting fingers, substantially as described.

2. The herein described jar opener comprising a plate and a handle, arms pivoted to the top of said plate and projecting outwardly beyond the edge of the same, said arms turned downward and formed with inwardly projecting fingers, and stops on the plate and extending over the said arms, substantially as described.

In testimony whereof, I have signed this specification in the presence of two subscribing witnesses.

E. FRANCIS IVES.

Witnesses:
FREDERIC C. EARLE,
C. L. WEED.