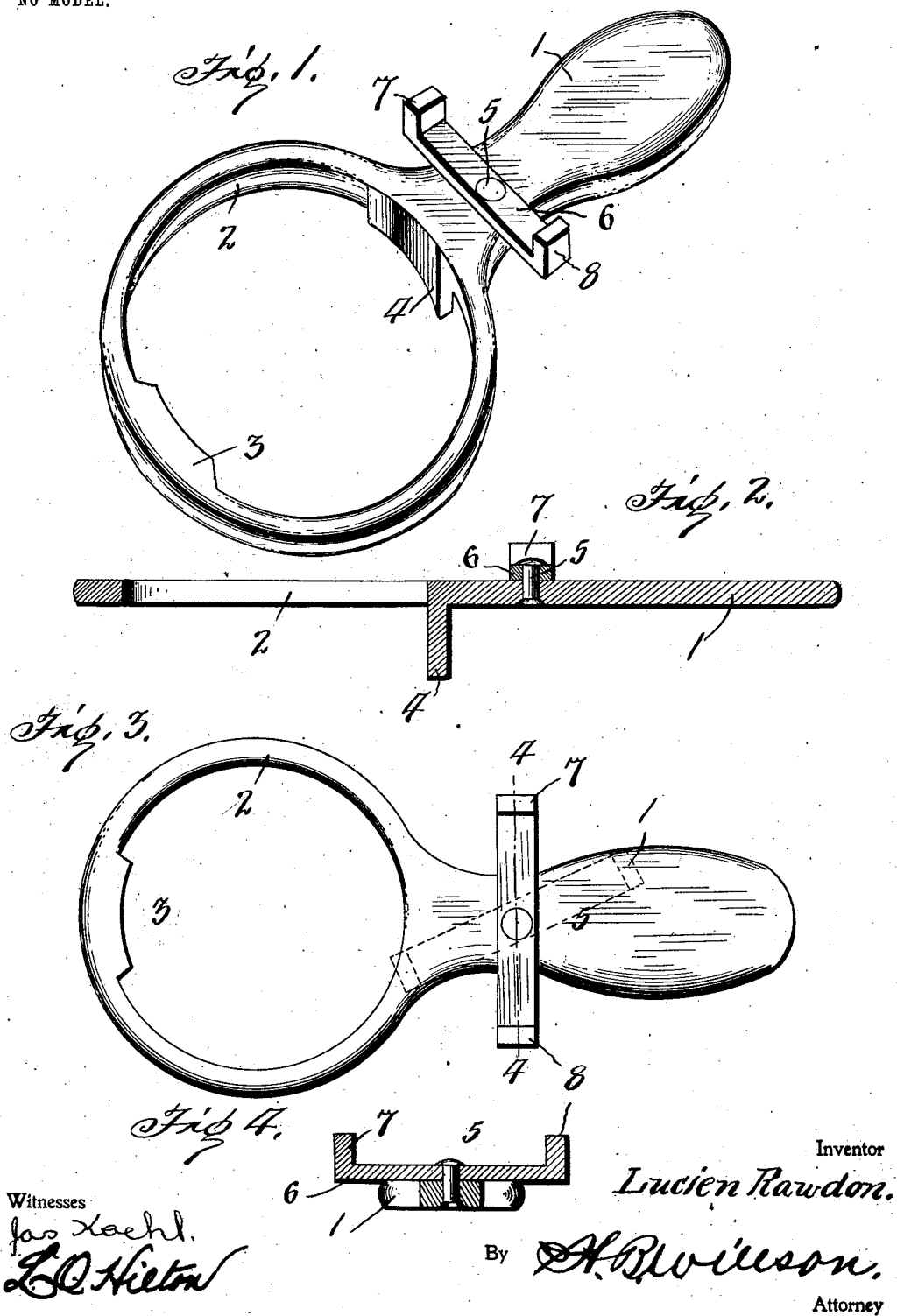


No. 761,180.

PATENTED MAY 31, 1904.

L. RAWDON.
FRUIT JAR WRENCH.
APPLICATION FILED SEPT. 8, 1903.

NO MODEL.



UNITED STATES PATENT OFFICE.

LUCIEN RAWDON, OF WINDSOR, OHIO.

FRUIT-JAR WRENCH.

SPECIFICATION forming part of Letters Patent No. 761,180, dated May 31, 1904.

Application filed September 8, 1903. Serial No. 172,336. (No model.)

To all whom it may concern:

Be it known that I, LUCIEN RAWDON, a citizen of the United States, residing at Windsor, in the county of Ashtabula and State of Ohio, have invented certain new and useful Improvements in Fruit-Jar Wrenches; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in wrenches for applying and removing the screw caps or covers of fruit-jars.

The object of the invention is to provide a device of this character which is so constructed as to enable the operator to obtain a firm grip upon the cap in either direction of movement of the wrench in screwing on or off the cap and which embodies means whereby the edge of the cap when mutilated or bent out of shape may be restored to its primal form, so that the cap will fit closely upon the neck of the jar.

In the accompanying drawings, Figure 1 is a perspective view of a jar-wrench embodying my invention. Fig. 2 is a longitudinal section of the same. Fig. 3 is a plan view showing in full and broken lines the operation of the gripping-lever, and Fig. 4 is a cross-section on the line 4 4 of Fig. 3.

Referring now more particularly to the drawings, the numeral 1 represents the handle of the wrench, which is provided at its forward end with a gripping-ring 2, adapted to receive or embrace the cap or cover of the jar. This ring 2 is provided at its front with an inwardly-projecting bearing-lip 3, which is designed to engage the threads of the cap to retain the ring in engagement therewith, and at the rear of the ring is a downwardly-projecting presser-flange 4. The purpose of this flange is to form an auxiliary rear bearing to maintain the ring in engagement with the cap, and it also forms a smoothing or pressing element by which the rim edge of the cap when mutilated or bent out of shape may be smoothed out and restored to true cylindrical form by turning the ring to bring the flange in contact therewith and oscillating the wrench to move the flange over the mutilated surface.

Pivoted by a stud or rivet to the handle in rear of the ring is a gripping-lever 6. This lever 6 is centrally pivoted and is provided at its opposite ends with impinging members 7 8. When it is desired to screw a hard-turning cap upon a jar, the lever is turned so as to bring one of the said gripping members into engagement with the rim of the cap and is held in such position by the forefinger of the operator pressing the opposite arm of the lever rearwardly. On the other hand, when it is desired to unscrew the cap, the other gripping member of the lever is brought into position to grip the cap by a reverse movement of the lever, and the thumb of the operator is employed upon the opposite arm to hold the lever in engagement. It will thus be seen that the lever makes provision for the secure gripping of the cap, thus preventing the wrench from slipping thereon and enabling the cap to be quickly turned on or off.

From the foregoing description, taken in connection with the accompanying drawings, the construction, operation, and advantages of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A fruit-jar wrench comprising a handle provided with a ring gripper having bearing members, and a reversibly adjustable and operating lever provided at its opposite ends with gripping-faces either adapted to engage the cap and lock the ring thereto, whereby the device may be used with caps having right and left hand threads.

2. A fruit-jar wrench comprising a handle having a ring-shaped gripper provided at front and rear with gripping projections, one of said projections being adapted to serve for smoothing out the mutilated portions of a jar-cap,

and a gripping-lever fulcrumed intermediately
to the handle in rear of said smoothing-out
portion and provided upon the ends of its
arms with gripping portions, said lever adapt-
5 ed to be swung at an angle to the handle to
bring either one of said gripping portions
into engagement with a cap, so that one arm
of the lever may be employed as an engaging
member and the other as a retaining member,
10 the latter adapted to be engaged by the hand

of the operator to retain the gripping member
in engagement, substantially as described.

In testimony whereof I have hereunto set
my hand in presence of two subscribing wit-
nesses.

LUCIEN RAWDON.

Witnesses:

J. A. FLAGG,

H. F. PAYNE.