

C. L. ROBBINS.
FRUIT JAR WRENCH.
APPLICATION FILED APR. 19, 1910.

994,953.

Patented June 13, 1911.

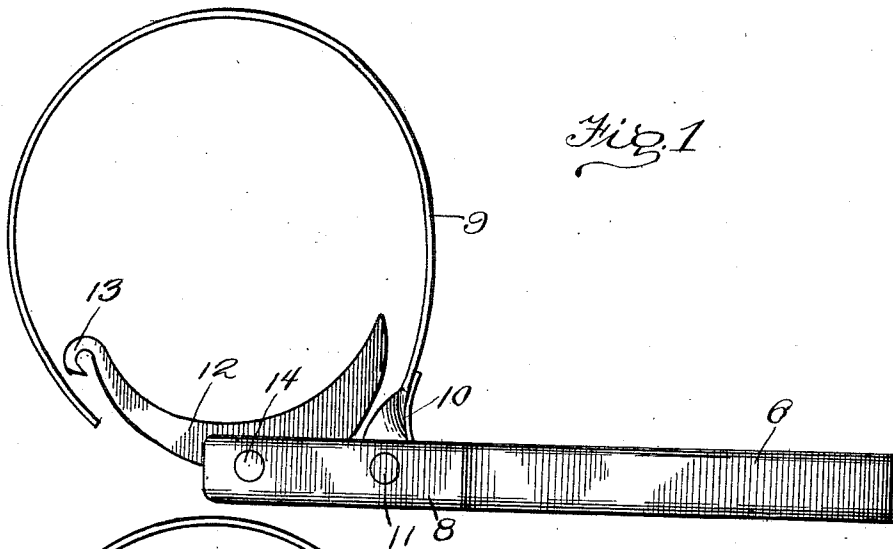


Fig. 1

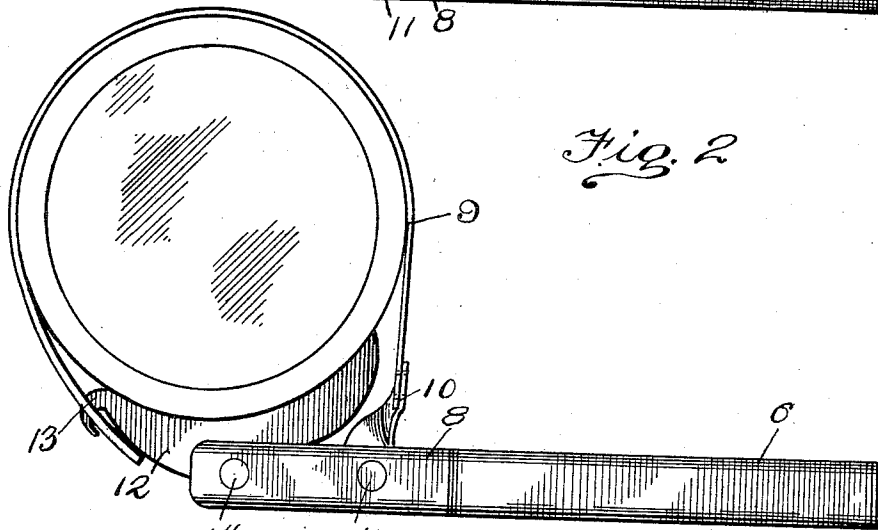


Fig. 2

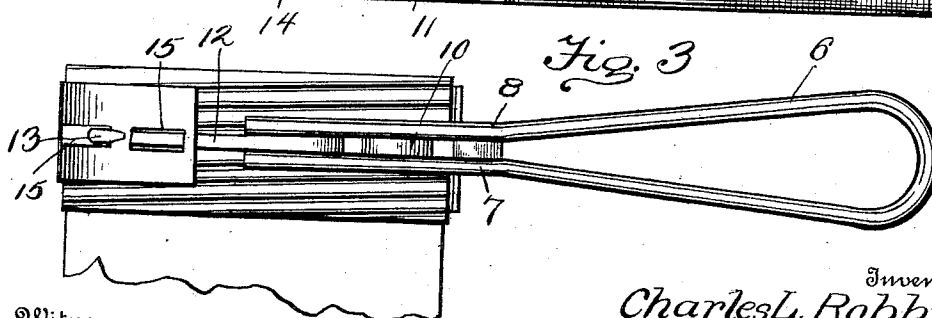


Fig. 3

Witnesses
W. S. McDowell.

John A. Dancy.

Inventor
Charles L. Robbins

By *Victor J. Evans*
Attorney

UNITED STATES PATENT OFFICE.

CHARLES L. ROBBINS, OF BELFAST, NEW YORK.

FRUIT-JAR WRENCH.

994,953.

Specification of Letters Patent. **Patented June 13, 1911.**

Application filed April 19, 1910. Serial No. 556,298.

To all whom it may concern:

Be it known that I, CHARLES L. ROBBINS, a citizen of the United States, residing at Belfast, in the county of Allegany and State of New York, have invented new and useful Improvements in Fruit-Jar Wrenches, of which the following is a specification.

This invention relates to wrenches and more particularly to the type employed for loosening and tightening the tops of fruit jars.

One object of the invention is the provision of a wrench provided with a flexible band having a plurality of spaced slots for receiving another portion of the wrench whereby the space surrounded by the band and said other portion of the wrench may be varied to suit the size of the jar top to be operated upon.

Another object is the provision of a jar top wrench having a flexible band and a bearing shoe operable by a handle to turn on the band as a fulcrum to frictionally bind on the jar top to be operated upon.

With these and other objects in view, which will more fully hereinafter appear, the present invention consists in certain novel details of construction and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings and more particularly pointed out in the appended claim.

In the accompanying drawings, forming a part of the specification:—Figure 1 is a plan view of my invention in position to be applied to a jar top. Fig. 2 is a similar view of the wrench applied to the jar top. Fig. 3 is a side elevation of the device.

Similar numerals of reference are employed to designate corresponding parts throughout.

The handle of the wrench consists of a band of sheet metal with parallel spaced ends 7 and 8 with an expanding loop 6 extending therefrom.

A flexible sheet metal band is designated by the numeral 9 and is of such length that when its ends are brought together the space surrounded by the band will be considerably greater than the circumference of the ordinary jar top. One end of the band is provided with a metallic tongue 10, the said tongue having one end portion extending beyond one end of the band and twisted so that its opposite flat faces will be perpen-

dicular to the flat faces of the band. The free end portion of the tongue is inserted between the spaced ends 7 and 8 and is secured in place by means of a pivot pin 11 passing through the free end portion of the tongue and through alining openings in the ends 7 and 8.

What will subsequently be termed a bearing shoe is designated in general by the numeral 12. This member is substantially arcuate in contour and at one end terminates in a hook 13 overlying the convexed surface of the shoe. The medial portion of the shoe is arranged between the ends 7 and 8 and in advance of the tongue 10, the said medial portion being provided with an opening which alines with similar openings formed in the free end portions of the offsets 7 and 8, these alining openings receiving a pivot pin 14, as shown in the drawings. The bearing shoe is so positioned that its concaved surface will be located beyond the inner end of the handle and in position to bear on the surface of the jar top to be operated upon.

The free end portion of the band is provided with a plurality of spaced oblong slots 15 adapted to independently receive the hook 13 on one end of the bearing shoe.

With this construction it will be manifest when the hook 13 is in engagement with one of the slots 15 and the handle arranged tangentially to the band and extending in the same direction as the hook that the distance between the concaved surface of the bearing shoe and medial portion of the band will be greatest, thus permitting the wrench to be applied to the top of the jar. When the handle is turned away from the jar to extend substantially radially to the jar the band 9 and concaved surface of the bearing shoe will bind on the jar top, whereupon the latter will move in the direction desired since it is evident when the handle extends substantially radially from the jar top the distance between the concaved surface of the bearing shoe and medial portion of the band will be decreased.

It will be evident that by correctly applying the wrench to the jar top the said wrench can be used to either tighten or loosen the jar top.

From the foregoing, it is evident that I have provided a device which is comparatively simple in structure and inexpensive in

manufacture, embodying few parts and these so arranged that the danger of derangement will be reduced to a minimum.

I claim:—

- 5 A jar top wrench comprising a handle having spaced parallel end portions connected by a pair of spaced pins arranged along the longitudinal line of the handle, a flexible metallic band having an opening at
10 one end to loosely receive one of said pins and provided at its opposite end with a slot, an arcuate bearing shoe having its medial

portion provided with an opening to loosely receive the other pin, and further provided at one end with a hook insertible through 15 the slot of the band, for the purpose described.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES L. ROBBINS.

Witnesses:

FRANK M. NICHOLSON,
FRANK ROBBINS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
