

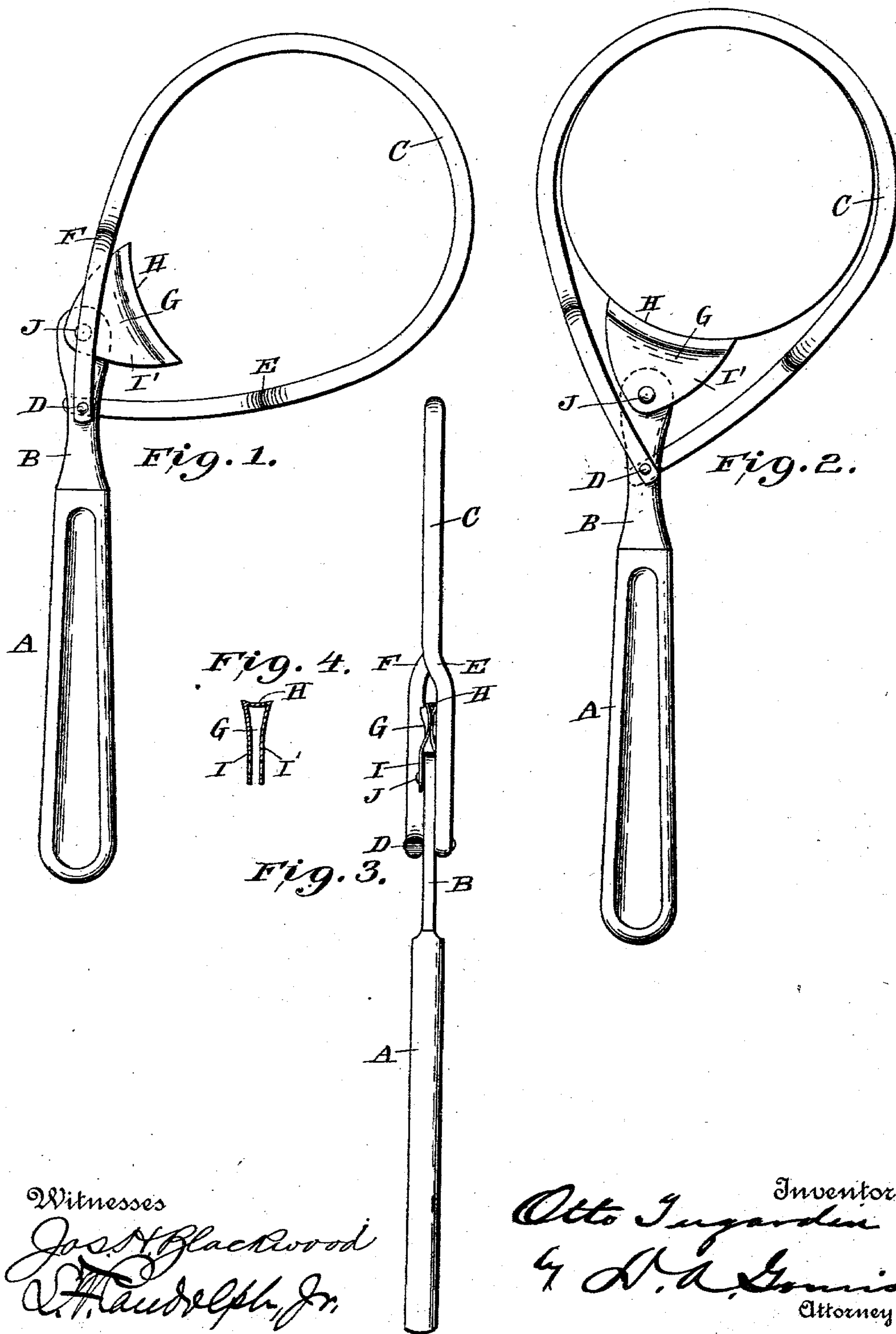
No. 720,753.

PATENTED FEB. 17, 1903.

O. TEEGARDEN.  
JAR TOP WRENCH.

APPLICATION FILED APR. 4, 1902.

NO MODEL.





# UNITED STATES PATENT OFFICE.

OTTO TEEGARDEN, OF GOSHEN, INDIANA.

## JAR-TOP WRENCH.

SPECIFICATION forming part of Letters Patent No. 720,753, dated February 17, 1903.

Application filed April 4, 1902. Serial No. 101,382. (No model.)

*To all whom it may concern:*

Be it known that I, OTTO TEEGARDEN, a citizen of the United States, and a resident of Goshen, in the county of Elkhart and State of Indiana, have invented certain new and useful Improvements in Jar-Top Wrenches, of which the following is a specification.

My invention relates to wrenches for loosening or tightening the lids of jars, &c., and has for its object to provide a device of the class described that will be reasonable in cost of manufacture, easy to manipulate, and that will so distribute the strain on the lid as to reduce to a minimum the danger of breaking the lid or jar.

Additional advantages of my invention will more fully appear hereinafter, and by reference to the accompanying drawings, in which—

Figure 1 is a plan view of my invention in a position to be applied to the jar-top; Fig. 2, a view with the wrench applied to the jar-top; Fig. 3, a side view of the invention, and Fig. 4 a cross-section of the bearing-shoe.

Referring to the drawings, in which similar reference characters indicate corresponding parts throughout the several views, A represents the handle of my invention having the relatively thin extended end B.

C is a loop made of metal, preferably circular in cross-section, pivoted to said end portion B by a pin or rivet D, one end of said loop C being bent down, as at E, the other end bent up, as at F, so as to permit pivoting the ends on opposite sides of the end portion B of the handle A, as shown.

G represents a bearing-shoe made, preferably, of sheet metal bent and pressed into the shape shown in the drawings, having a segmental bearing-surface H and its two free ends I and I' spread apart to straddle the end of the portion B and be pivoted thereon by means of a pin or rivet J.

From this construction it will be readily understood that when the loop C and bearing-shoe G are turned to one side, as shown in Fig. 1, the distance between the segmental bearing-surface H and the outer curve of the loop C is the greatest, thus permitting the wrench to be applied to the top of the jar.

The handle A is then turned away from the jar until the loop C and shoe G press tightly the top, when it will begin to move in the direction desired, it being apparent that when the loop C and shoe G project straight out from the handle A the distance between the outer curve of the loop and the segmental surface H is the least. It will be understood that the wrench by being correctly applied to the jar-top can be used either to tighten or loosen the top.

Having thus described my invention, what I claim is—

1. A jar-top wrench comprising a handle, a metal loop having both ends pivoted at a common point intermediate the ends of said handle, and means on the inner end of the handle to clutch the jar-top, substantially as shown and described.

2. A jar-top wrench comprising a handle having a reduced and flattened portion, a metal loop having both ends pivoted at a common point on opposite sides of said reduced portion intermediate the ends thereof, and means on the inner end of the handle to clutch the jar-top, substantially as shown and described.

3. In a jar-top wrench, a handle, a bearing-shoe pivoted at one end of said handle, and a loop having both ends pivoted at one point intermediate the ends of said handle, substantially as shown and described.

4. In a jar-top wrench, a handle having a reduced end portion, a bearing-shoe pivoted at the outer end of said reduced portion, and a loop having both ends pivoted at one point intermediate the ends of said handle, substantially as shown and described.

5. In a jar-top wrench, a handle having a reduced end portion, a bearing-shoe made from sheet metal pressed into a segmental bearing-surface and having two ends that straddle said reduced portion and pivoted thereon, and a loop having its ends bent in opposite directions and pivoted at a common point on opposite sides of said reduced portion intermediate the ends thereof, substantially as shown and described.

6. A jar-wrench comprising a handle having a reduced and flattened end portion, a

bearing-shoe made from sheet metal pressed into a segmental bearing-surface and having two ends that straddle said reduced and flattened portion and pivoted thereon, and a loop  
5 made of a strip of metal circular in cross-section having its ends bent in opposite directions and pivoted at a common point on opposite sides of said reduced and flattened end

portion intermediate the ends thereof, substantially as shown and described. 10

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

OTTO TEEGARDEN.

Witnesses:

MYRTLE CHAMPION,  
EDGAR D. CURRIER.