O. ARNDT.

JAR OPENER.

APPLICATION FILED MAR. 22, 1919.

1,348,532. Patented Aug. 3, 1920.

FIG. 1.

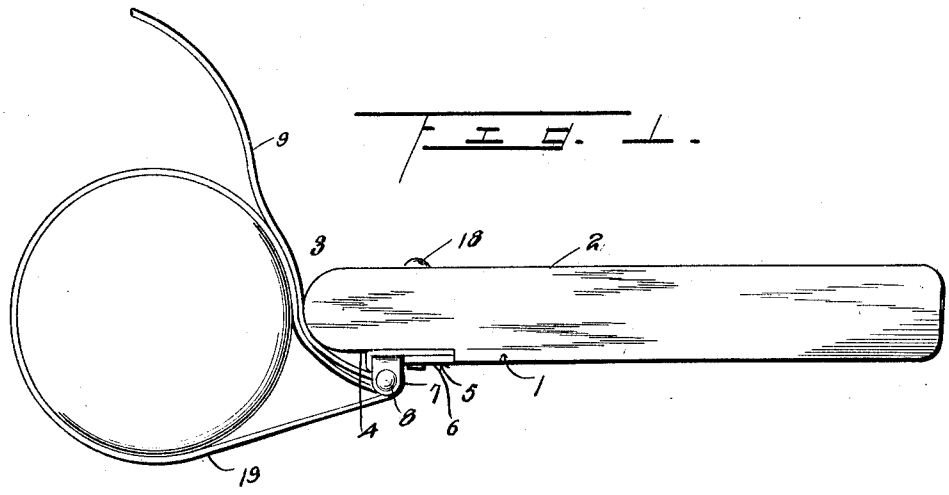


FIG. 2.

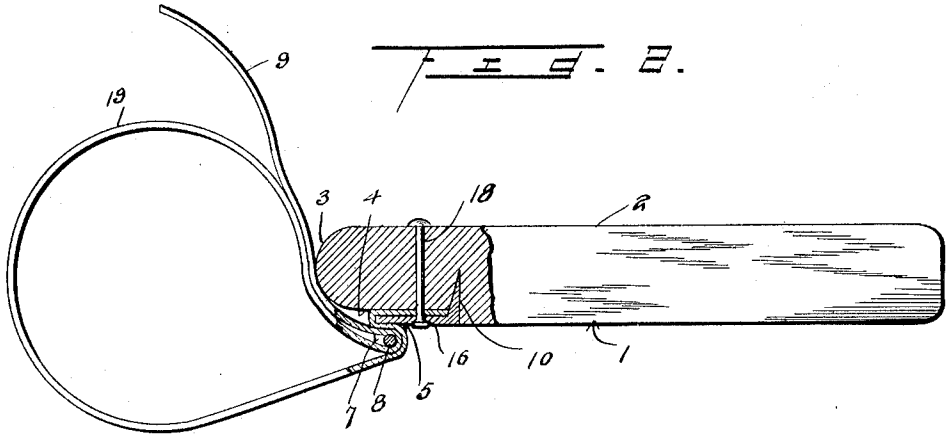
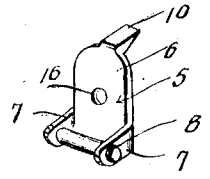


FIG. 3.



Inventor

O. Arndt.

By A. Randolph Jr. Attorney.

UNITED STATES PATENT OFFICE.

OSCAR ARNDT, OF DETROIT, MICHIGAN, ASSIGNOR OF ONE-HALF TO ROMAN ARNDT, OF DETROIT, MICHIGAN.

JAR-OPENER.

1,348,532. Specification of Letters Patent. Patented Aug. 3, 1920.

Application filed March 22, 1919. Serial No. 284,272.

To all whom it may concern:

Be it known that I, OSCAR ARNDT, a citizen of Russia, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Jar-Openers; and I do hereby 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 jar openers and the primary object of the invention is to provide an improved tool for removing the caps from fruit jars and the like, in a convenient and expeditious manner.

Another object of the invention is to provide an improved jar opener, which can be readily adjusted to fit various sized jars and so constructed as to obtain a firm grip on the jar cap so that the same can be readily unthreaded from the jar neck and thus eliminate the usual inconveniences associated with the opening of Mason and Ball jars and other receptacles.

A still further object of the invention is to provide an improved jar wrench of the above character, which is durable and efficient in use, one that is simple and easy to manufacture, and one that can be placed upon the market at a reasonable cost.

With these and other objects in view, the invention consists in the novel construction, arrangement and formation of parts, as will be hereinafter more specifically described, claimed and illustrated in the accompanying drawings, forming a part thereof, in which:

Figure 1 is a plan view of the improved jar opener showing the same in operative position on a jar.

Fig. 2 is a horizontal longitudinal section through the improved jar opener, and

Fig. 3 is a detail perspective view of the plate removed from the handle.

Referring to the drawings in detail, wherein similar reference characters designate corresponding parts throughout the several views, the numeral 1 generally indicates the improved jar wrench or opener, which includes a handle 2 formed of wood or the like, which has the outer end thereof rounded, as at 3, for a purpose which will hereinafter more fully appear. The handle 2 is of substantially flat rectangular configuration and has one side edge thereof at the curved end thereof cut away as at 4 to provide a seat for the bracket or strap-binding member 5.

The metallic bracket 5 consists of flat base plate 6 having formed on the side edges thereof at the forward portion of the same upstanding apertured ears 7, which receive the rounded bar 8, the terminals of which are extended through the apertures in the ears and upset, as clearly shown in Fig. 3 of the drawings. The rounded bar 8 is spaced from the base plate 6 and forms means for receiving the flexible strap 9 and adjustably holding the same in position. The rear end of the base plate is provided with a downwardly extending tooth 10 which is adapted to bite into the handle, when the same is placed in operative position.

As stated, the metallic bracket is placed on the cut-out portion 4 of the handle with the rear portion thereof in engagement with the shoulder formed by the cut-out portion. One end of the flexible strap 9, which is preferably formed from canvas or other heavy fabric, is placed between the handle and the base plate 5 of the metallic bracket and the tooth 10 extends therethrough. The base plate is provided with an aperture 16 which registers with a corresponding aperture formed in the handle and a rivet or other suitable fastening means 18 is extended through the registering apertures and the fabric strap 9 and firmly clamps the metallic bracket and strap in position on the handle.

The flexible strap 9 is then looped over the base plate and is inserted between the rounded bar 8 and the base plate and the free end thereof is brought back and inserted between the bar 8 and the base plate. This forms a closed loop 19 which is adapted to engage the outer surface of a jar cap. In operation of the improved device, the loop 19 is placed around the jar cap and the free end of the strap is pulled until the same is adjusted to the cap. The handle 2 is then turned and the rounded end thereof engages the strap which effectively binds the same between the base plate and the bar 8 and holds the strap against movement. Upon further movement of the handle, which forms a lever, the rounded end forming a fulcrum therefor, the strap is drawn taut and firmly grips the jar, and thus the cap is readily unthreaded upon further move-

ment of the handle. When it is desired to thread the cap on the jar neck, the position of the device is reversed and the handle is rotated in the opposite direction.

From the foregoing description it can be seen that an improved jar wrench is provided, by means of which a tight grip is obtained upon the jar cap, whereby the same may be effectively removed from the jar.

What I claim as new is:

A jar opener comprising a lever, a plate mounted thereon at a point between the ends thereof and carrying at one end a bar which is spaced from the intermediate portion of the plate and at its other end a tooth which is embedded in the material of which the lever is composed, a strap having one end portion inserted between the plate and the lever and the securing device passing transversely through the plate, strap and lever.

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

OSCAR ARNDT.

Witnesses:

JOSEPH D. FOURNIER,

MAX KRUKOWSKI.