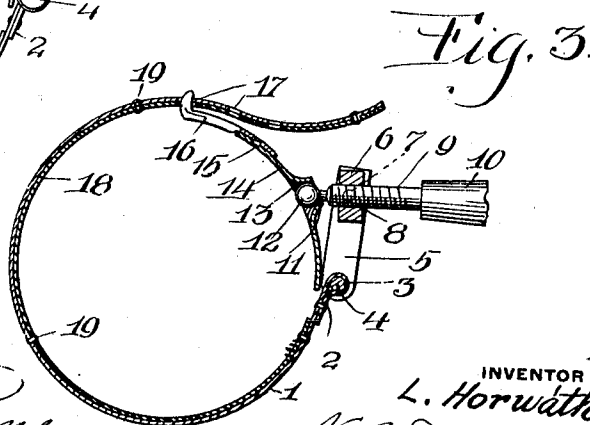
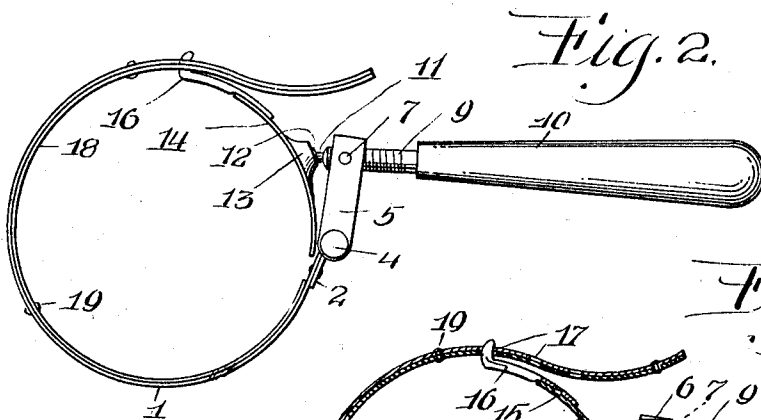
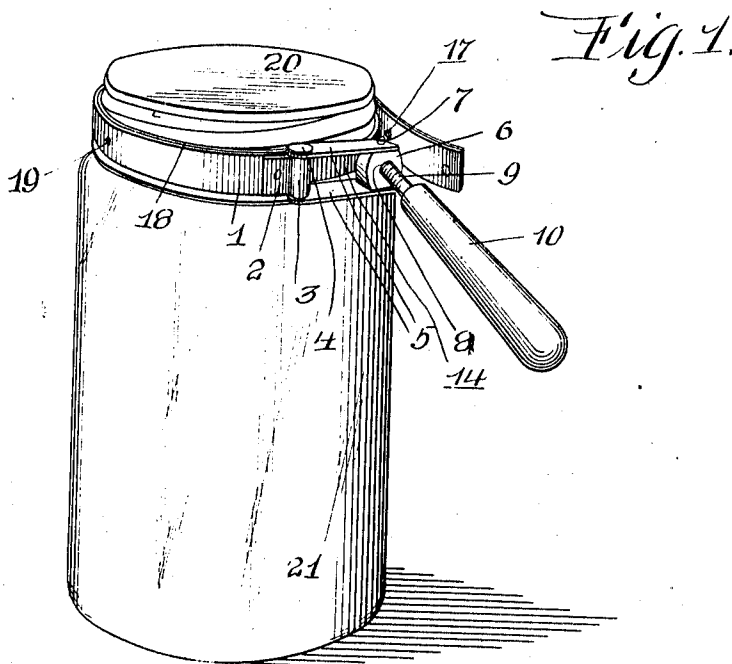


L. HORWÁTH.
CAN OPENING AND CLOSING DEVICE.
APPLICATION FILED JAN. 6, 1911.

988,780.

Patented Apr. 4, 1911.



WITNESSES

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UNITED STATES PATENT OFFICE.

LOUIS HORWÁTH, OF DONORA, PENNSYLVANIA.

CAN OPENING AND CLOSING DEVICE.

988,780.

Specification of Letters Patent.

Patented Apr. 4, 1911.

Application filed January 8, 1911. Serial No. 601,124.

To all whom it may concern:

Be it known that I, LOUIS HORWÁTH, a subject of the King of Hungary, residing at Donora, in the county of Washington and State of Pennsylvania, have invented certain new and useful Improvements in Can Opening and Closing Devices, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to a jar opening and closing device, and the primary object of my invention is to provide a novel device or wrench for gripping the closure of a jar, whereby it can be removed or placed upon the jar to hermetically seal the same.

Another object of the invention is to provide a gripping device or wrench of the above type that can be easily and safely handled to remove screw caps from receptacles.

Further objects of the invention are to provide a device of the above type that is simple in construction, durable, and efficient for the purposes for which it is intended.

I attain the above objects by a mechanical construction that will be hereinafter specifically described and then claimed, and reference will now be had to the drawing, wherein:—

Figure 1 is a perspective view of the device as applied to a jar, Fig. 2 is a plan of a detached device, and Fig. 3 is a horizontal sectional view of the same.

A device in accordance with this invention comprises a metallic resilient band or strap 1 having one end thereof bent upon itself and riveted, as at 2 to provide a barrel 3. Extending through the barrel 3 is a rivet or pin 4 pivotally supporting parallel bars 5, these bars having the outer ends thereof connected by a pivoted block 6 having trunnions 7 extending through the bars 5. The block 6 has an opening 8 with the walls thereof threaded to receive a threaded stem 9 of an operating handle 10. The outer end of the stem 9 is reduced, as at 11 and provided with a ball or spherical body 12, said ball or body being suitably fixed or mounted upon the reduced end 11 of the

stem 9. The ball 12 is adapted to engage in a socket 13 provided therefor in a curved member 14, the member 14 being punched to provide an opening, and the material bordering upon the opening pressed out, thereby providing the socket 13 to receive the ball 12. Riveted or otherwise connected, as at 15 to the end of the member 14 is a hook 16 adapted to engage in apertures 17 provided therefor in the strap 1, the apertures being equally spaced whereby adjustments can be obtained. The inner side of the strap 1 is lined by a strip of rubber or other yieldable material 18 riveted or otherwise connected, as at 19, to the resilient strap 1. The pivoted bars 5 constitute a yoke for the adjustable stem 9 and through the medium of the ball and socket connection with the member 14 and the stem 9, the ends of the strap 1 can be drawn toward each other whereby the device will frictionally grip the cap or lid 20 of a jar 21.

The device can be used either for screwing the cap 20 upon the jar, or by reversing the device upon the cap it can be used for removing the cap.

The adjustment between the apertured end of the strap and the hook 16 permits of caps of various diameters being gripped, and the yieldable material of the strap 1 prevents the cap from being injured.

What I claim is:—

A device of the type described, comprising a resilient strap having one end thereof apertured; a yoke pivotally connected to the opposite end of said strap, a pivoted block carried by said yoke, a stem adjustably mounted in said block, a curved member, a ball and socket connection between said member and said stem, and a hook carried by said member and adapted to engage in one of the apertures of said strap, substantially as described.

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

LOUIS HORWÁTH.

Witnesses:

MAX H. SROLOVITZ,
CRISSY T. HOOD.