J. I. STRAWBRIDGE.

JAR LIFTER.

APPLICATION FILED JULY 1, 1915.

1,180,552. Patented Apr. 25, 1916.

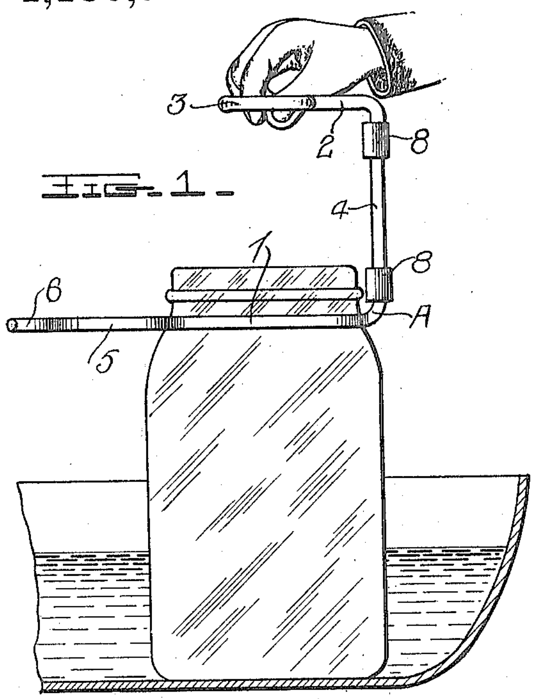

FIG. 1.

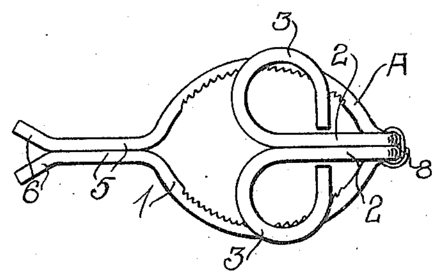

FIG. 2.

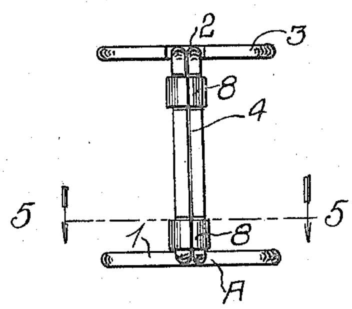

FIG. 3.

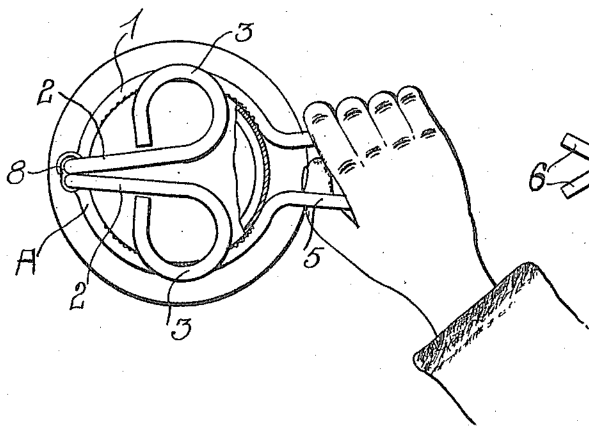

FIG. 4.

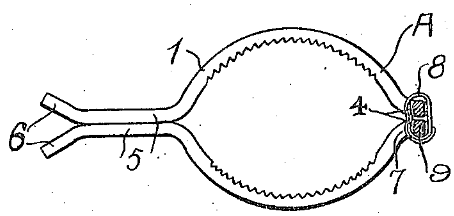

FIG. 5.

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Witnesses

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JAR-LIFTER.

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To all whom it may concern:

Be it known that I, JULIA IDA STRAWBRIDGE, a citizen of the United States, residing at Seattle, in the county of King and State of Washington, have invented certain new and useful Improvements in Jar-Lifters; 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 new and useful improvements in jar lifters and more particularly to a jar lifter that is also adapted to be used as a jar wrench, and the primary object of the invention is to provide an improved device of this character wherein when it becomes desirable to remove the jars from the boiling water into which they are placed while the material therein is being cooked, they may be lifted therefrom by the use of this device, and any danger or liability of the hand of the person being burned or the jars being broken, during this operation, is obviated. A further object of this invention is the provision of means in this device whereby, by applying this instrument to a jar cap the same may be easily and safely removed and the damage in waste otherwise liable, prevented.

Still another object of this invention is to provide a device which is simple and durable in construction, inexpensive to manufacture, and one which will be very efficient in operation.

With these and numerous other objects in view, my invention consists of certain novel features of construction, combination and arrangement of parts which will be hereinafter referred to and more particularly pointed out in the specification and claimed.

In the accompanying drawings: Figure 1 is a side elevation of my invention applied as a jar lifter; Fig. 2 is a top plan view; Fig. 3 is a rear elevation; Fig. 4 is a top plan view of the invention showing its application to use as a jar wrench; Fig. 5 is a horizontal section on the line 5—5 of Fig. 3.

In describing my invention, I shall refer to the drawings in which similar reference characters designate corresponding parts throughout the several views and in which A designates a pair of gripping members, of corresponding shape, one of which will be herein particularly described. A semi-circular jaw 1 is formed of any preferred material, for instance as shown in the drawings of a single piece of wire, and has its inner surface roughened in any preferred manner. The jaw 1 has a superimposed handle 2 spaced parallel with the same, and the end of said handle 2 is bent laterally as shown at 3 to form a finger loop that may be easily engaged by the operator.

Connecting the jaw 1 and the handle 2 is a hinge member 4 formed integral with the inner end of said jaw and handle and projecting at right angles to the horizontal planes of the same. Extending from the other end of the jaw 1 is a projection 5 having an outturned end 6 which is adapted to form an additional handle for the jaw 1 which is to be used as will be hereinafter more fully described.

The hinge member 4 of the two parts of this device have their outer walls formed with alining notched portions as shown at 7. Surrounding these notched portions of the said hinge members are metallic hinge clips 8 which have their inner wall adapted to the contour of the portions of the two hinge members which they surround. These hinge clips 8 are adapted to hingedly secure the two parts of this device in position and are also adapted to limit the outwardly swinging movement of the jaws 1, as will be hereinafter described.

In operation, when it is desired to lift the jars from the boiling water in which they are placed, the operator grasps the handles 2 of the lifter through the finger loops 3 and pushes the same from each other for a sufficient distance, whereby the integral jaws 1 will be similarly expanded to the circumference of the cap of the jars. The handles and consequently the jaws are then brought together so that the inner surfaces of the jaws 1 will tightly grip the caps of the jars, whereby the same may be easily lifted from the boiling water without any danger of the person so lifting burning their hands or dropping the jars. Furthermore, if it is desired to use this device in screwing down jar tops or caps or removing the same when they have corroded onto the top of the jar, the handles 5 are grasped by the operator and the jaws 1 engaged with the outer circumference of the said cap or top, whereby this device may be used as a wrench for the purpose above described.

The combined diameters of the notched portion 7 of the member 4 is slightly less than the area within the hinge clips 8 that surround and conform substantially to the general outline of the same. Consequently, owing to this arrangement which is clearly illustrated in Fig. 5 of the drawings, the outward movement of the jaws 1 is limited, as the outer edges of the flat faces or sides 9 of the notched portions 7 will bind against the adjacent flat sections of the clips and prevent any further rotation of the members 4.

From the foregoing description of the construction of my improved device, the manner of applying the same to use and the operation thereof will be readily understood and it will be seen that I have provided a simple, inexpensive and efficient combination jar lifter and wrench for carrying out the objects of this invention.

While I have particularly described the elements best adapted to perform the functions set forth, it is obvious that various changes in form, proportion and in the minor details of construction, may be resorted to within the scope of the appended claim without departing from the spirit or sacrificing any of the principles of the invention.

I claim:—

A device of the character described comprising a pair of semi-circular jaws, superimposed handles parallel with said jaws, the outer ends of said handles being bent to form laterally extending loops, integral hinge members connecting the inner ends of said handles and jaws, said members having alining notches with flat faces on their outer walls, and hinge clips loosely surrounding the said members at the notched portions of the same substantially as described and for the purpose set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JULIA IDA STRAWBRIDGE.

Witnesses:

OLIVER HULBACK,

J. H. STRAWBRIDGE.