

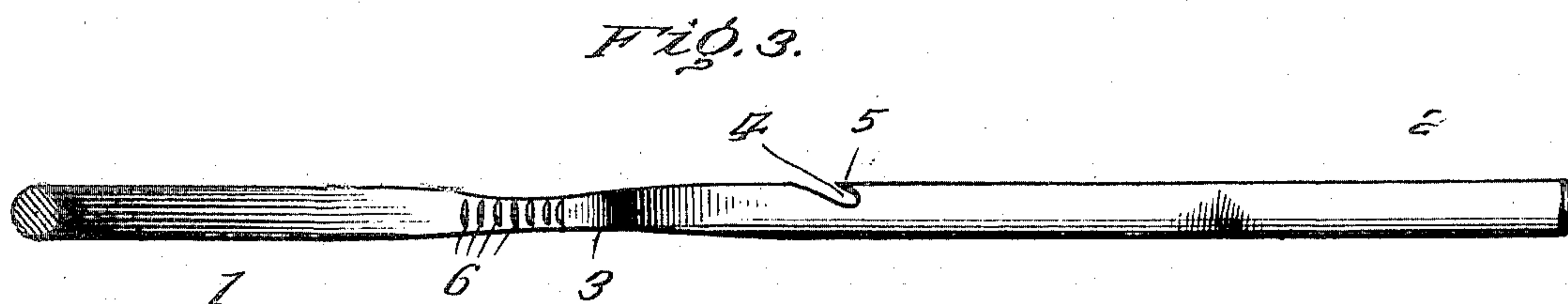
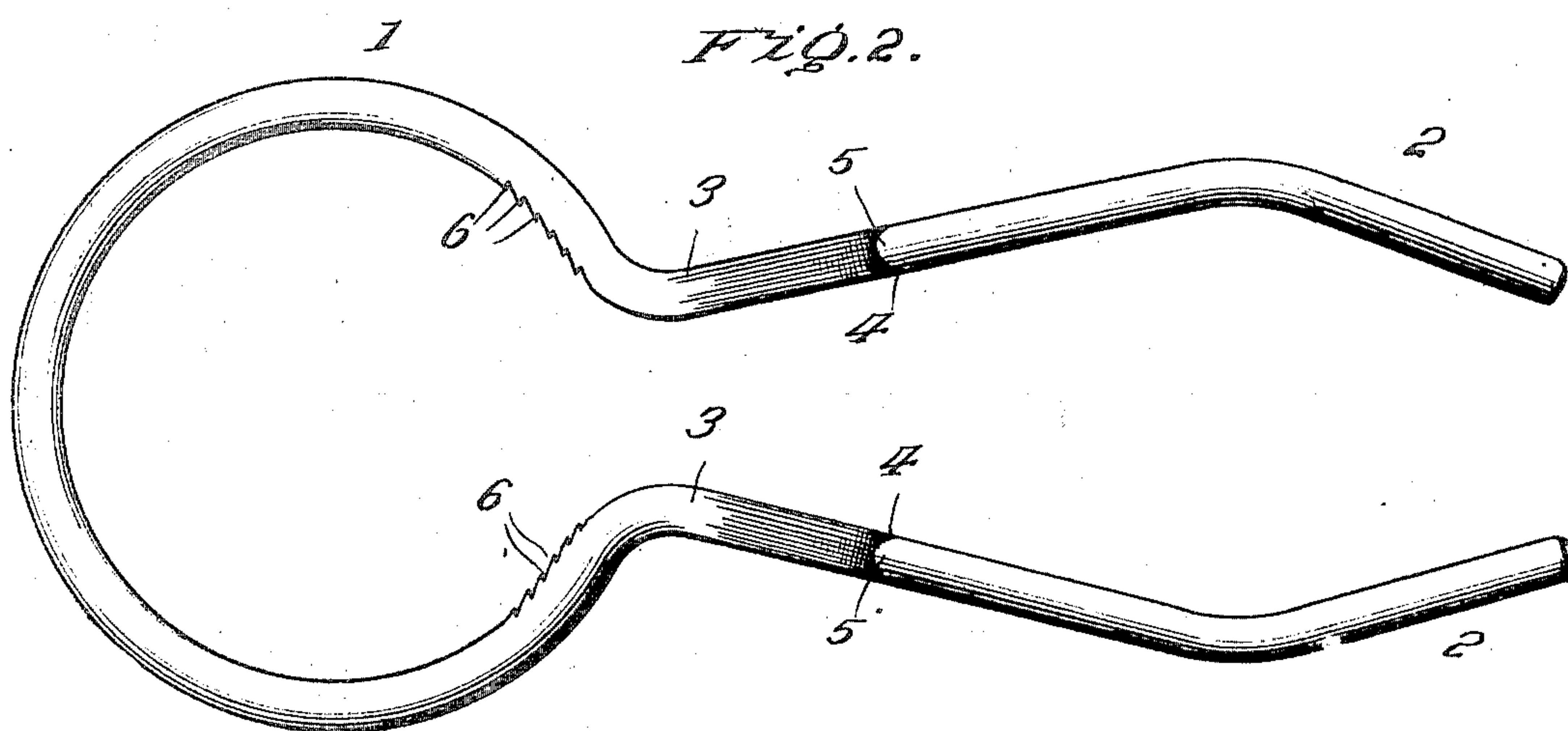
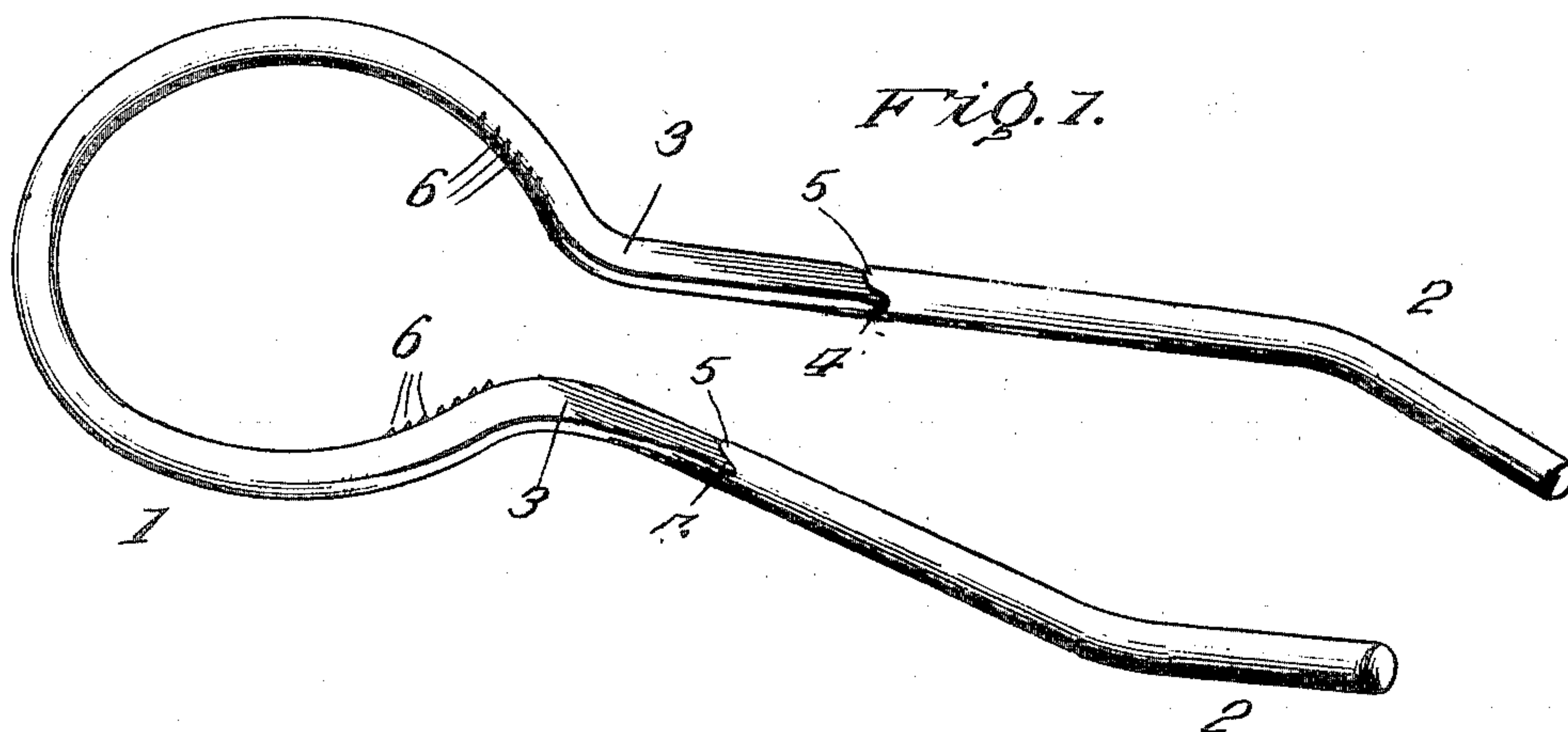
No. 810,984

PATENTED JAN. 30, 1906.

W. C. SMITH.

TOOL FOR OPERATING UPON JAR COVERS.

APPLICATION FILED MAR. 13, 1905.



Inventor

W. C. Smith,

Witnesses

James
H. A. Howardson

By

R. H. Macy, Attorneys

UNITED STATES PATENT OFFICE.

WILLARD C. SMITH, OF COLDWATER, MICHIGAN, ASSIGNOR OF ONE-HALF TO FRANK G. NOYES, OF COLDWATER, MICHIGAN.

TOOL FOR OPERATING UPON JAR-COVERS.

No. 810,984.

Specification of Letters Patent.

Patented Jan. 30, 1906.

Application filed March 13, 1905. Serial No. 249,881.

To all whom it may concern:

Be it known that I, WILLARD C. SMITH, a citizen of the United States, residing at Coldwater, in the county of Branch and State of Michigan, have invented certain new and useful Improvements in Tools for Operating upon Jar-Covers, of which the following is a specification.

This invention consists of a tool for operating upon jar-covers and embodying a construction susceptible of use in the capacity of a wrench for removing the covers, the invention residing particularly in the provision of peculiar means for reshaping jar-covers after the same have been bent out of proper shape or mutilated to a certain extent in a similar way.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and accompanying drawings.

While the invention may be adapted to different forms and conditions by changes in the structure and minor details without departing from the spirit or essential features thereof, still the preferred embodiment is shown in the accompanying drawings, on which—

Figure 1 is a perspective view showing the preferred embodiment of the invention. Fig. 2 is a plan view. Fig. 3 is a side elevation.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

To secure the utmost simplicity and cheapness in the construction of the invention, it is preferred to utilize a single length of wire in constructing the same, said wire being of suitable gage to effectively answer the purposes of the invention.

The device consists of a body 1 and handles 2, and in making the same the wire or strip of material is first bent to form the body, which is of approximately circular formation, so as to readily embrace the circular covering of a jar, the handles 2, constituting the end portions of the wire, being bent at an angle to the body 1 and arranged in spaced relation. Adjacent the points where the handles 2 join the body 1 the parts 1 and 2 are flattened, as shown at 3, so as to make the structure more rigid.

The handles 2, which may be grasped in reducing the size of the body 1 to cause the latter to clamp or positively engage a part to be removed, are spaced as above mentioned and diverge in relative arrangement from the points at which the handles join the body. The divergent relation of the handles 2 facilitates grasping the same and pressing them together in order to reduce the diameter of the body 1 in the manner above mentioned. The outer extremities of the handles 2 curve inwardly or toward each other, so as to admit of firmly grasping the handles when operating the wrench.

At a point between the ends of each handle 2 said handle is provided with an inclined notch 4, which forms a projecting nib 5. The nibs 5 constitute rim-engaging members and are adapted to be engaged with the rim portion of a jar-cover in order to bend the same outwardly or inwardly, as necessary, after the cover has been bent out of shape. In order that the cover may be applied, it is of course necessary that the same be perfectly round, and often this part in being handled is dropped and bruised or dented, necessitating bending the same into shape before it may be used again. The notches 4 will readily receive the rim portion of the cover, and the nibs 5 afford engaging members for readily accomplishing the result which has been before described. When a very large dent has been made in a cover or lid of a jar, both of the nibs 5 may be used in restoring the cover to its original shape, and the handles 2 may be manipulated so as to move the nibs 5 toward and from each other in order to engage a greater or less portion of the part which is being reshaped. The nibs 5 are of course at equal distances from the extremities of the handles 2.

It will of course be understood that the wrench is susceptible of use for replacing the covers of receptacles as well as for removing the same, and the members 5 will be used for reshaping the cover when the latter has been mutilated somewhat due to running a knife or like device around under the edge of the cover, which is often done. The body 1 of the wrench is provided with roughened, serrated, or toothed portions 6 near the points where the handles 2 extend therefrom, said roughened portions being upon the inner side

of the body and forming means for positively gripping or biting into the lid or cover of a receptacle in turning said lid.

Having thus described the invention, what
5 is claimed as new is—

A tool for operating upon jar-covers, comprising a single length of spring-wire bent to form the semicircular body 1, and having the terminals thereof extended to form the handles 2 arranged in divergent relation, the portions of the body 1 and the handles 2 adjacent
10 the point of jointure being flattened as indicated at 3, each handle 2 being provided with

the jar-cover-rim-engaging member 5 at a point between its ends, said rim-engaging members being located substantially the same distance from the outer extremities of the handles and movable toward and from each other by movement of said handles 2.

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

WILLARD C. SMITH. [L. s.]

Witnesses:

MARGARET MONROE,
CHAS. W. CHAMPION.