

No. 713,403.

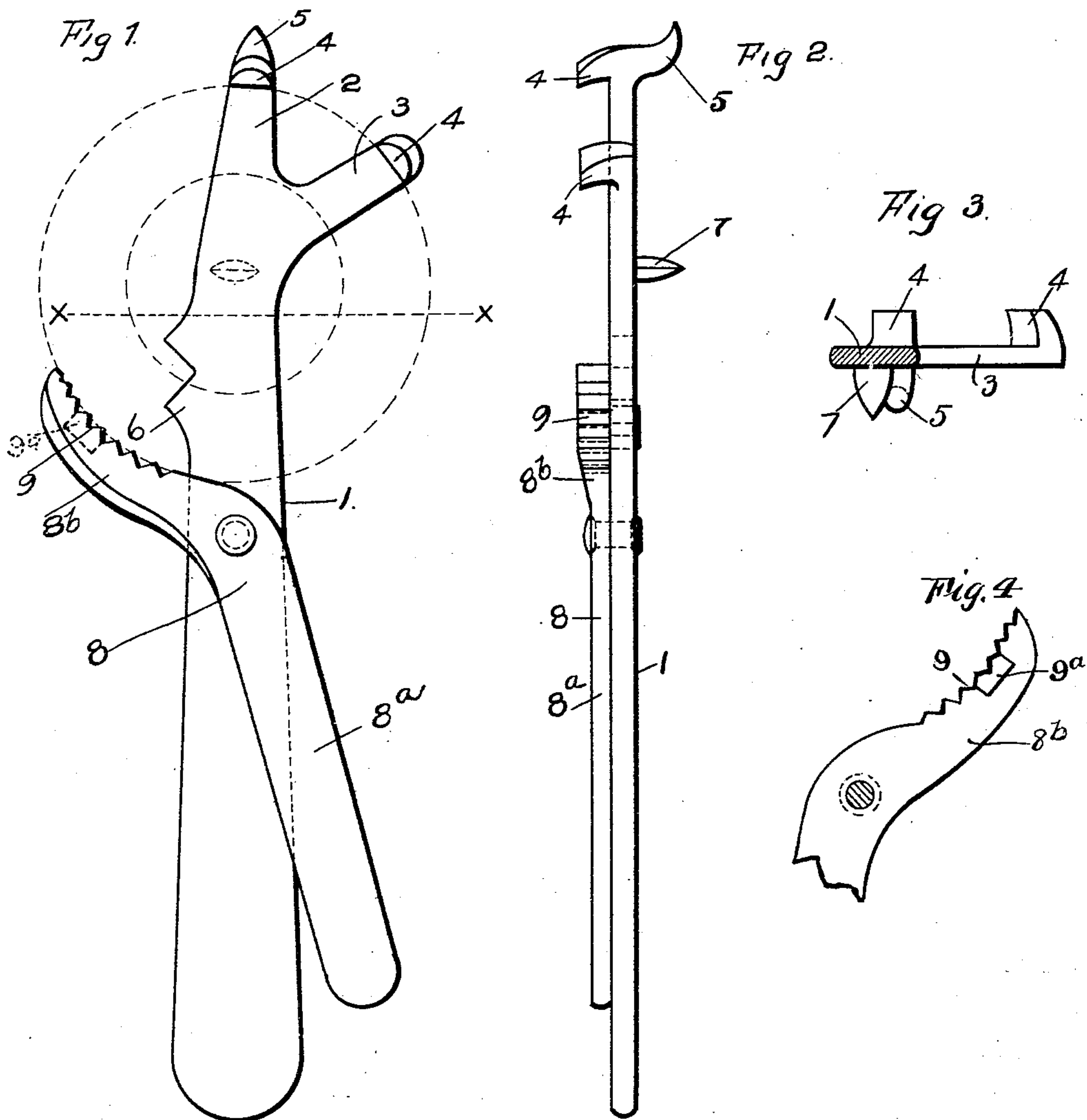
Patented Nov. 11, 1902.

J. COOPER.

COMBINED WRENCH AND CAN OPENER.

(Application filed May 2, 1902.)

(No Model.)



WITNESSES:

G. C. Whiteside
A. L. Phelps

INVENTOR

John Cooper

BY

C. C. Shepherd
ATTORNEY

UNITED STATES PATENT OFFICE.

JOHN COOPER, OF MOUNT VERNON, OHIO.

COMBINED WRENCH AND CAN-OPENER.

SPECIFICATION forming part of Letters Patent No. 713,403, dated November 11, 1902.

Application filed May 2, 1902. Serial No. 105,589. (No model.)

To all whom it may concern:

Be it known that I, JOHN COOPER, a citizen of the United States, residing at Mount Vernon, in the county of Knox and State of Ohio, have invented a certain new and useful Improvement in a Combined Wrench and Can-Opener, of which the following is a specification.

My invention relates to the improvement of wrenches of that class which are particularly adapted for removing the screw-tops of fruit-jars, cans, &c.; and the objects of my invention are to provide a simple and easily-operated form of wrench of this class of superior construction and arrangement of parts, and to combine therewith means for cutting the top from a can, and to produce other improvements the details of which will be more fully pointed out hereinafter. These objects I accomplish in the manner illustrated in the accompanying drawings, in which—

Figure 1 is an upper side view in elevation of my improved wrench. Fig. 2 is a side elevation at right angles with that shown in Fig. 1. Fig. 3 is a sectional view on line *xx* of Fig. 1; and Fig. 4 is a view in elevation of a portion of one of the jaws, showing the opposite side of the same from that indicated in Fig. 1.

Similar numerals refer to similar parts throughout the several views.

In carrying out my invention I employ a bar-like metallic body 1, which at one end is suitably shaped to form a handle and which at the remaining end is bifurcated to form two diverging terminal arms 2 and 3, which are inclined from the direction of the length of the body 1. Both said arms 2 and 3 at their outer ends are formed with upwardly-projecting catch-lugs 4, while the arm 2 at its termination is formed with a downward and thence outward projection 5, the latter terminating in the point, as shown.

In constructing the body 1 I form integrally with one side thereof angular lateral projections 6, the angular space between which forms a wrench jaw or recess, as shown. In its outer or forward portion and at a proper distance from the terminal lug 4 of the arm 2 I provide the body 1 with a rigid downwardly-extending double-edged cutter 7.

Pivoted to the body 1, preferably near the

center of the length thereof, is a wrench member or jaw-arm 8, the latter consisting of a handle portion 8^a, extending rearwardly from its pivot-point, and an outwardly-inclined and curved forward or jaw portion 8^b, the curved inner surface of which is toothed or suitably corrugated, as indicated at 9. On one face of this toothed-jaw portion 8^b I provide a laterally-projecting recessed lug 9^a, which is shown more clearly in Fig. 4.

In utilizing my invention as a wrench for removing the screw-top of a fruit-jar, can, or other similar body the screw-top is embraced between the arm-lugs 4 and toothed surface of the jaw 8^b of the wrench member 8 in the manner indicated by the circular dotted line in Fig. 1 of the drawings. Being thus grasped, the top may be readily removed by pressing the handle portions of the body 1 and member 8 toward each other and turning the same in the proper direction. It is obvious that in the operation above described the wrench would be inverted from the position indicated in Fig. 1 of the drawings.

In utilizing my device as an ordinary wrench for grasping and turning nuts or similar bodies the body to be turned may be clamped between the projection 9^a of the jaw portion 8^b and the angular recess formed by the projections 6.

In utilizing my invention for the purpose of opening a can it is obvious that the outwardly-bent pointed end of the projection 5 may be inserted centrally in the top of the can to be cut and the cutting projection 7 employed to produce a circular cut through said can-top in the usual manner of this class of can-openers.

From the construction which I have herein shown and described it will be seen that my improved wrench is exceedingly simple in construction and form and that the same may be produced at a reasonable cost of manufacture. It will also be observed that it is so constructed as to admit of its being utilized both as a screw-top-removing wrench and as a wrench for ordinary purposes.

Having now fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a combined wrench and can-opener, the combination with the main bar or mem-

ber 1 having diverging arms 2 and 3 formed with projecting lugs 4, with the angular wrench member 8 having the curved jaw portion 8^b, said member 8 being pivotally connected with said member 1, substantially as specified.

2. In a combined wrench and can-opener, the combination with the body or bar 1 having the diverging arms 2 and 3 formed with projecting lugs 4 and lateral projections 6 formed on said bar 1, with the wrench member 8 pivotally connected with said member 1 and having the curved and roughened jaw portion 8^b, substantially as specified.

3. In a combined wrench and can-opener, the combination with the main bar 1 having the diverging arms 2 and 3 provided with projecting lugs 4, one of said arms having a pointed terminal projection 5 and a cutting projection 7 on the main bar 1, of a wrench member 8 pivotally connected with said bar 1 and having a curved roughened jaw 8^b, substantially as specified.

JOHN COOPER.

In presence of—

W. H. RALSTON,
JOHN B. WAIGHT.