(No Model.)

W. CARMICHAEL.

CAN OPENER.

No. 562,885. Patented June 30, 1896.

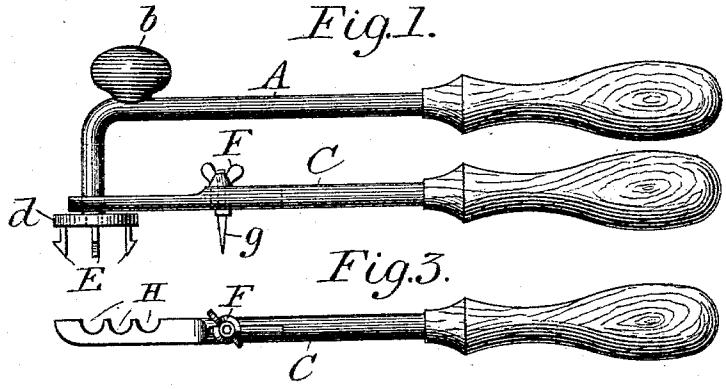

Fig. 1.

Fig. 3.

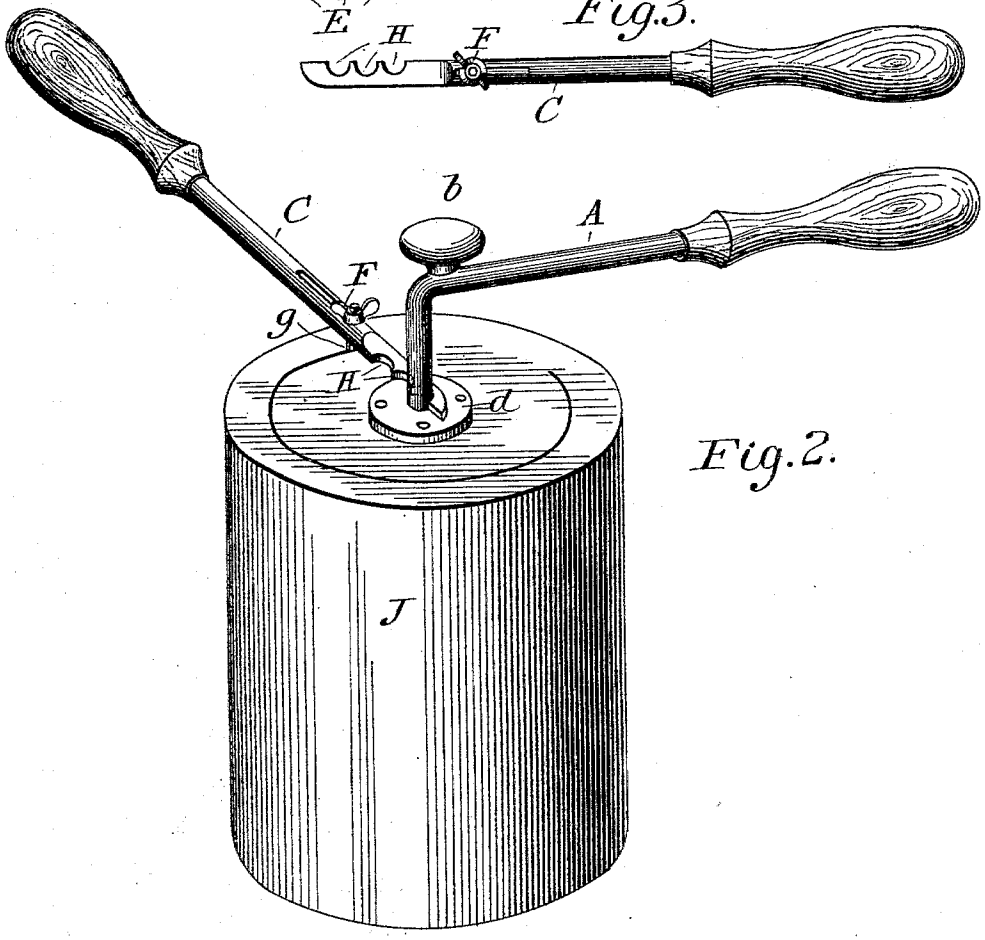

Fig. 2.

Witnesses:
G. Burt Harris
James E. Steele

Inventor:
William Carmichael

UNITED STATES PATENT OFFICE.

WILLIAM CARMICHAEL, OF BLOOMINGTON, INDIANA.

CAN-OPENER.

SPECIFICATION forming part of Letters Patent No. 562,885, dated June 30, 1896.

Application filed September 19, 1895. Serial No. 563,041. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM CARMICHAEL, a citizen of the United States, residing at Bloomington, in the county of Monroe and State of Indiana, have invented a new and useful device—to wit, a Tin-Can Opener—of which the following is a specification.

My invention relates to certain new and useful improvements for tin-can openers, and possesses the following useful features, to wit: first, by the use of a lever containing a knife which is made adjustable to any-sized can by a slot either at point where knife is attached to the lever or at the central end of lever where lever is attached to handle, so by moving lever in either direction it will cut a complete circle of any size; second, my object is to provide a handle for the machine attached stationary to a disk containing fangs, all of which hold the can in position while operating the lever. I attain these features by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a complete view of machine when not in use. Fig. 2 is a view of the machine while in operation. Fig. 3 is a top view of lever detached.

The same letters refer to the same parts in the several views.

The handle A in the drawings is ten inches in length, made of iron, and made with short bend or elbow at or near central end, allowing it to fasten stationary to disk *d* at right angles. At and above this elbow is placed knob *b*, which adheres rigidly to handle. The purpose of this knob is to strike on with the hand, causing fangs E to enter top of can.

C in the several views represents the lever, which is ten inches in length, and composed of iron, and is made with a slot (varying in length) and containing the knife *g*, which is fastened in said slot by means of a thumb-screw F, said lever being provided near one end with a plurality of half-eyes H for purpose before specified.

d in the several views is an iron disk about two inches in diameter and one-eighth inch thick fastened rigidly to handle at one end. The face of said disk is apertured in three or more places, and steel fangs E are inserted therein, extending downward toward the can-head, as shown in Figs. 1 and 2. These fangs E are one-half inch in length and one-tenth inch in diameter, and are made of steel and with shoulders, so as to cause disk *d* to adhere closely to can while machine is in operation.

g is the knife, fastened in slot by means of a thumb-screw F, or knife *g* can be made stationary in lever C if slot with half-eyes H is utilized.

I am aware that many can-openers have been made and perhaps some of these rotary. I therefore do not claim, broadly, such a combination; but

What I do claim, and desire to secure by Letters Patent, is—

A can-opener comprising a lever C having a slot extending longitudinally therein, a knife-carrying screw adjustably secured in said slot by means of the thumb-nut F, a plurality of recesses or half-eyes H cut into the side of said lever near one end of the same, a handle A adapted to act as a fulcrum for the lever and provided with a knob *b*, said handle being bent at right angles near said knob and carrying upon the extremity thereof a disk which last is provided with a plurality of fangs or spurs E depending rigidly therefrom with projections or shoulders upon the sides thereof substantially as described.

WILLIAM CARMICHAEL.

Witnesses:
GERARD BURT HARRIS,
JAMES E. STEELE.