

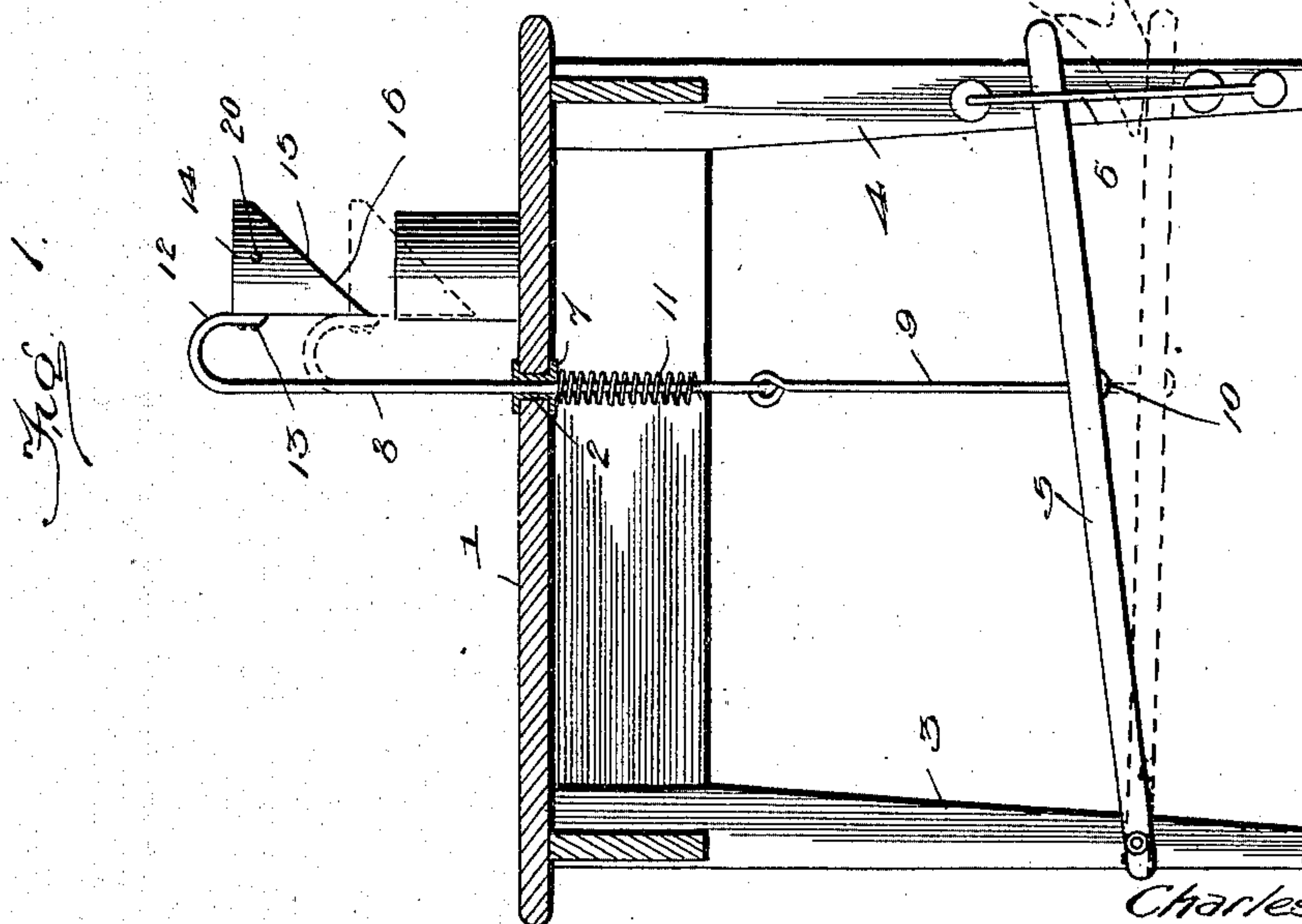
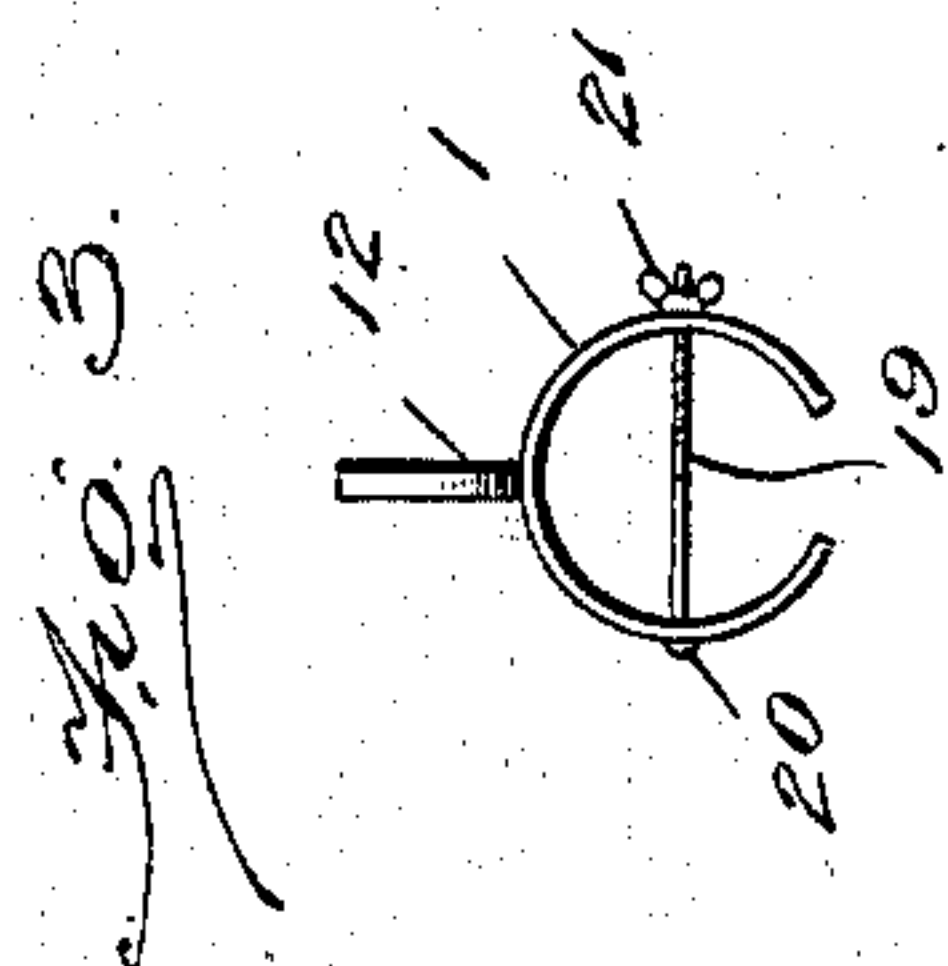
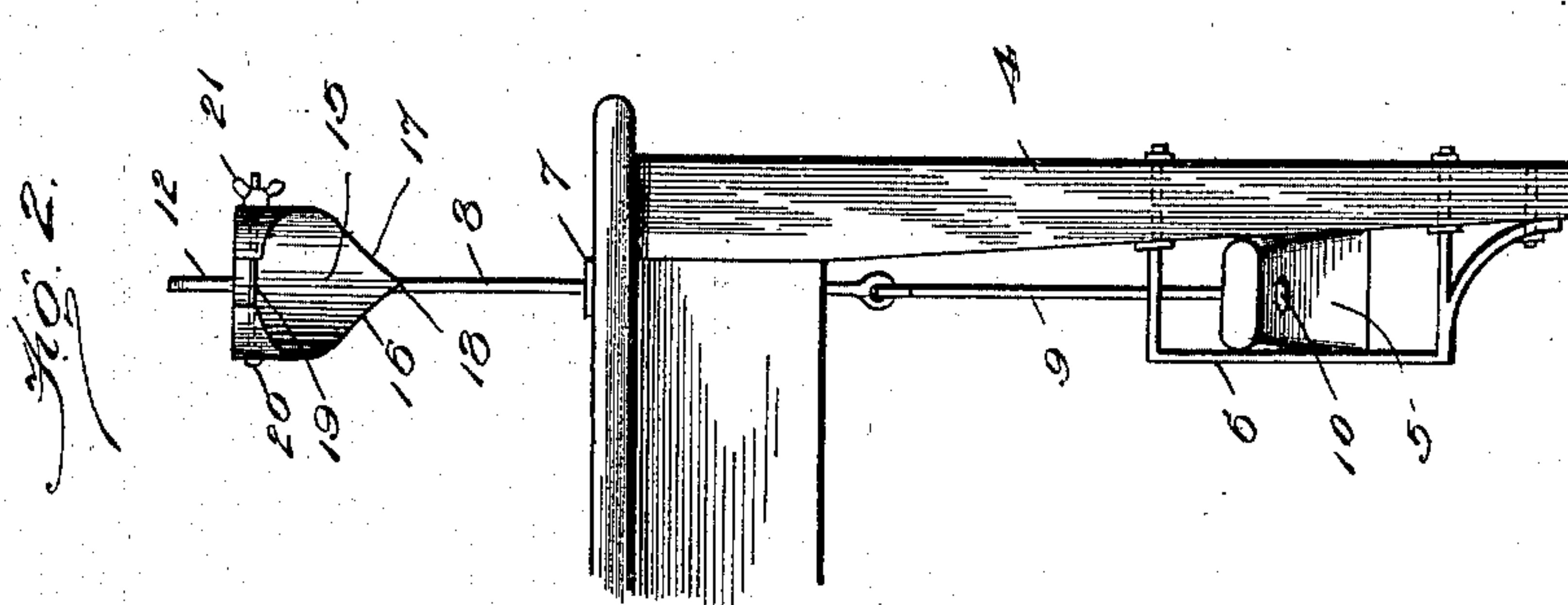
No. 681,205.

Patented Aug. 27, 1901.

C. FARRELL.
CAN OPENER.

(Application filed Apr. 2, 1901.)

(No Model.)



Witnesses

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CHARLES FARRELL, OF CAIRO, ILLINOIS.

CAN-OPENER.

SPECIFICATION forming part of Letters Patent No. 681,205, dated August 27, 1901.

Application filed April 2, 1901. Serial No. 54,054. (No model.)

To all whom it may concern:

Be it known that I, CHARLES FARRELL, a citizen of the United States, residing at Cairo, in the county of Alexander and State of Illinois, have invented new and useful Improvements in Can-Openers, of which the following is a specification.

My invention relates to can-openers; and its object is to provide an effective device of this character of simple and inexpensive construction adapted to be operated by foot-power.

The invention comprises a knife or cutter of novel form, means for supporting the same in position above a can, and mechanism for depressing and elevating said cutter.

The construction of the improvement will be fully described hereinafter in connection with the accompanying drawings, which form part of the specification, and its novel features will be defined in the appended claim.

In the drawings, Figure 1 is a transverse vertical section of a table with my improved can-opener in position thereon. Fig. 2 is a partial rear elevation of the same, and Fig. 3 is a plan view of the cutter forming a part of the invention.

The reference-numeral 1 designates the table-top, formed with an opening 2 and supported by legs 3 and 4.

5 designates a treadle-lever fulcrumed to the inner side of the leg 3 and extending through a guide-loop or keeper 6, projecting from the inner side of the leg 4.

Within the opening 2 formed in the table-top is a bushing 7, through which extends a plunger-rod 8, preferably square in cross-section to prevent its turning within the bushing 7. The lower end of the plunger-rod 8 is loosely connected to the upper end of a rod 9, the lower end of which extends through the treadle 5 and is formed with a head 10.

Around the plunger-rod, below the table-top 1, is a coil-spring 11, one end of said spring being secured to the plunger-rod and the opposite end to the under side of the table-top.

The upper end 12 of the rod 8 is curved downward, and to said depending end is secured, preferably by a screw 13, the circular

cutter 14, comprising a single metallic plate of the proper temper to adapt it to be forced into a can and having a depending extension 15, oppositely beveled to form cutting edges 16 and 17 and a sharpened point 18. The sides of this circular cutter are connected by a screw-bolt 19, which extends through diametrically opposite openings in the cutter and is provided at one end with a head 20 and at its opposite end with a butterfly-nut 21. By turning the nut 21 the sides of the cutter may be contracted or expanded to adapt it to cans of different size.

As illustrated in Fig. 1, the can to be opened is placed on the table under the cutter; and by depressing the treadle the cutter is forced into the top of the can, the construction being such that the sharpened point 18 first punctures the can-top, and the beveled cutting edges sever the top by a shearing cut.

The downward movement of the plunger can be so regulated as to adapt the device for all styles of cans, and the adjustability of the cutter adapts it to cans of varying diameter. The spring 11 serves to retract the plunger and cutter after they have been depressed.

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

In a can-opener, the combination with a table or like support, of a spring-pressed plunger extending through the top of the table and having its upper end curved downward, a treadle below the table with which the plunger is connected, and a circular cutter beveled to form a puncturing-point and inclined cutting edges, and having diametrically opposite openings, and adjusting means for said cutter comprising a bolt extending through said openings, and a nut on the threaded end of the bolt, the bolt-head bearing against one side of the cutter and the nut against the opposite side thereof.

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

CHARLES FARRELL.

Witnesses:

C. O. PATIER,
H. L. WEDDING.