

No. 882,065.

PATENTED MAR. 17, 1908.

C. J. JOHNSON.
CAN OPENER.

APPLICATION FILED AUG. 2, 1907.

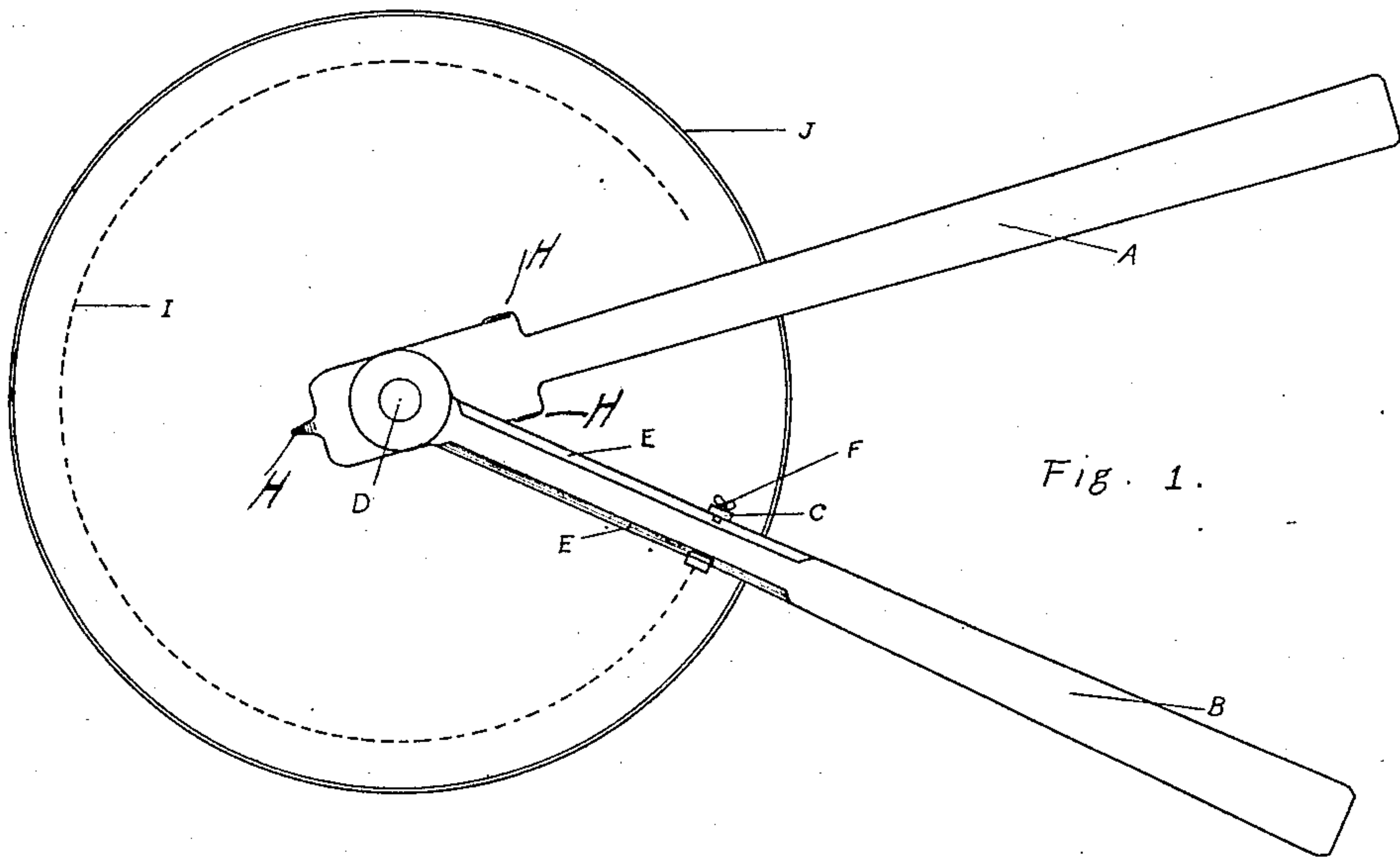


Fig. 1.

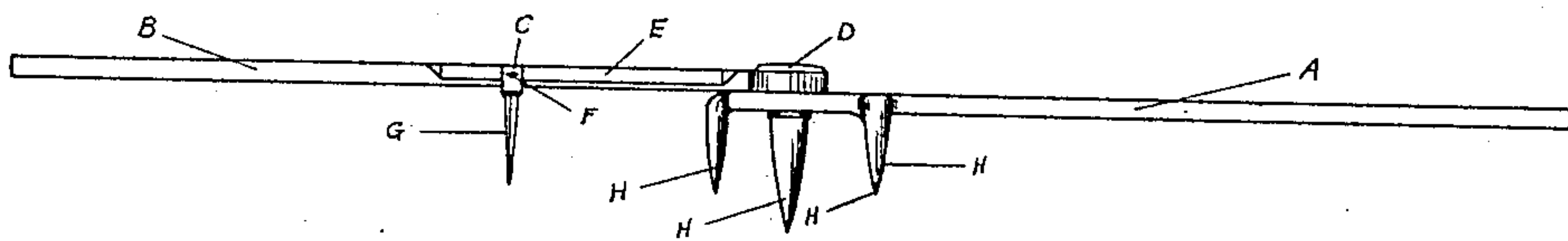


Fig. 2.

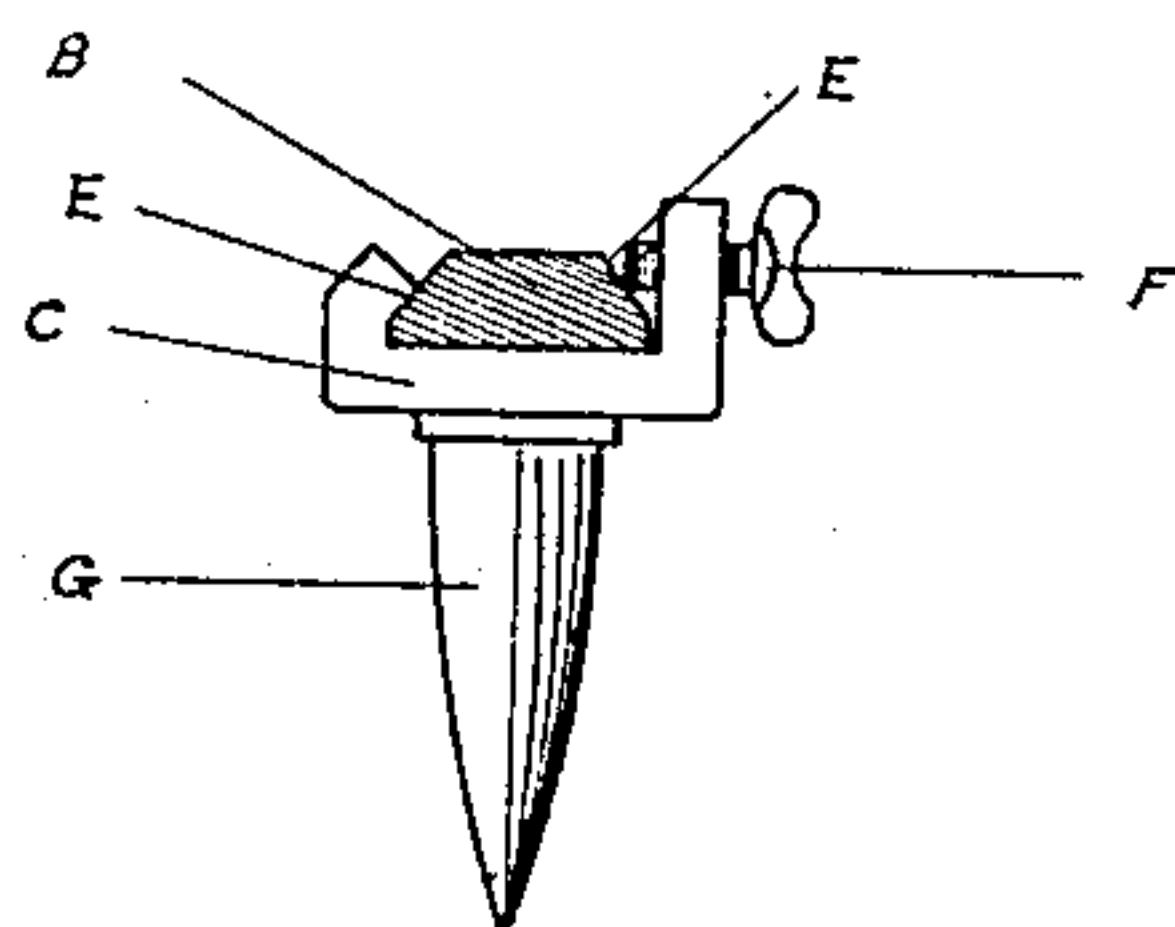


Fig. 3.

WITNESSES:

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CARL J. JOHNSON, OF SUNRISE, WYOMING.

CAN-OPENER.

No. 882,065.

Specification of Letters Patent.

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Application filed August 2, 1907. Serial No. 386,706.

To all whom it may concern:

Be it known that I, CARL J. JOHNSON, of Sunrise, in the county of Laramie and State of Wyoming, have invented certain novel

and useful Improvements in Can-Openers, of which the following is a full, clear, and accurate description and specification, reference being had to the accompanying drawings, which are hereby made a part thereof.

My invention relates to improvements in that class of can openers in which there are two pivoted levers, or arms, and in which a blade, attached to one of the arms, is employed to cut the top of the can near its marginal edge.

The principal objects of my invention are, to provide a simpler and more practical implement of this class than has yet been produced; to cheapen the cost of production of the same, so that it may be had by all; and generally, to so improve this class of device in its construction and operation that it may be rendered efficacious and universally available.

To accomplish these ends, my invention consists in certain novel features of construction, and in the combination and arrangement of the parts, as hereinafter described, and set forth in the claims.

In the accompanying drawings, Figure 1 is a top view of the complete device in operation upon the top of a can. Fig. 2 is a side view of the device in detail. Fig. 3 is a rear view, partly in section, showing the cutting blade in detail and the means of attachment to the remainder of the device.

The same figures of reference indicate the same parts in the different views shown.

A. is the lower arm of the device, for attachment to the can, and B. is the upper arm.

C. is the clamp attachment of the cutting blade, and D. is the pivot holding the two arms in attachment, and permitting the free action of arm B. turning upon it.

E. E. indicate beveled edges along a portion of arm B. to admit of the proper attachment and adjustment of clamp C.

F. is a thumb-screw passing through one side of clamp C. and designed so that when the parts are adjusted and the screw properly tightened, the end of the said screw will strike upon the face of one of the bevels above its lower edge as indicated in Fig. 3, and thus hold the attachment firmly in place, the opposite beveled edge being jammed firmly into the corresponding side

of the clamp which is constructed to receive it as shown in said Fig. 3.

G. is the cutting blade of the device, and is preferably double-edged.

H. H. etc. indicate flattened points.

Three of them depend from the lower forward face of arm A., and are arranged in the form of a triangle, one at the extreme forward end of the arm, forming the apex, and the other two somewhat farther back and at either side of the arm, forming the base. These latter two points are indicated in Fig. 2 as one being directly behind the other. The upper arm B. is also provided with a single point passing downward from D. through and below the lower arm A. in its forward part, thus forming the means of pivoting the two arms together, and in its extension below arm A. constituting an additional point depending downward. In construction, this latter point should be somewhat longer than the others mentioned.

To operate the device, adjust the clamp and cutting blade at the proper place along arm B. to accommodate the size of can it is desired to open. The longer and central flattened point, as shown in Fig. 2 should be placed at the center of the can top J. as shown in Fig. 1. A slight blow will drive all the points through the can top, which will hold the device in place on the can. Then holding the whole firmly by arm A. carry the cutting blade through the can top around from right to left, cutting the top along line I. as shown in Fig. 1. If for any reason it is desired, arm B. may also be carried around from left to right, by simply reversing its position at the beginning.

The device may of course be made of any size desired, and changes within the scope of the invention may be made without altering the principle embodied.

My claims are:—

1. In can openers, two arms pivoted together at their forward ends, the lower arm constructed with three flattened points extending downward from its lower face at the forward end, arranged in the form of a triangle, and designed to pierce the top of a can to afford a means of attaching the device to a can, and also to provide a fulcrum for the lever action of the upper arm; the second and upper arm being provided with a single point at its forward end passing through the forward part of the first mentioned arm and constituting a pivot, said arm having at-

tached to and depending from it, by means of a clamping device fitted with a thumb-screw, a double edged cutting blade, designed to be adjustable along the said arm
5 by means of appropriately arranged beveled edges on the said arm, substantially as described.

2. In the construction of can openers, a lower arm fitted with three depending flattened points arranged in the form of a triangle on the forward lower face of the arm;
10 an upper arm with outer edges beveled upward along a portion of their length; a clamp attachment bearing a double edged
15 cutting blade, and designed to be fitted and

held in firm attachment to the beveled arm by means of a screw brought into firm contact with one of the beveled edges while the other beveled edge is jammed tight into the corresponding side of the clamp attachment
20 designed to receive it; and means to pivot the two arms together at the forward end, substantially as described.

In witness whereof, I hereto affix my signature in the presence of two witnesses. 25

CARL J. JOHNSON.

Witnesses:

MARSHALL L. WILSON,
FRANK J. VALLAT.