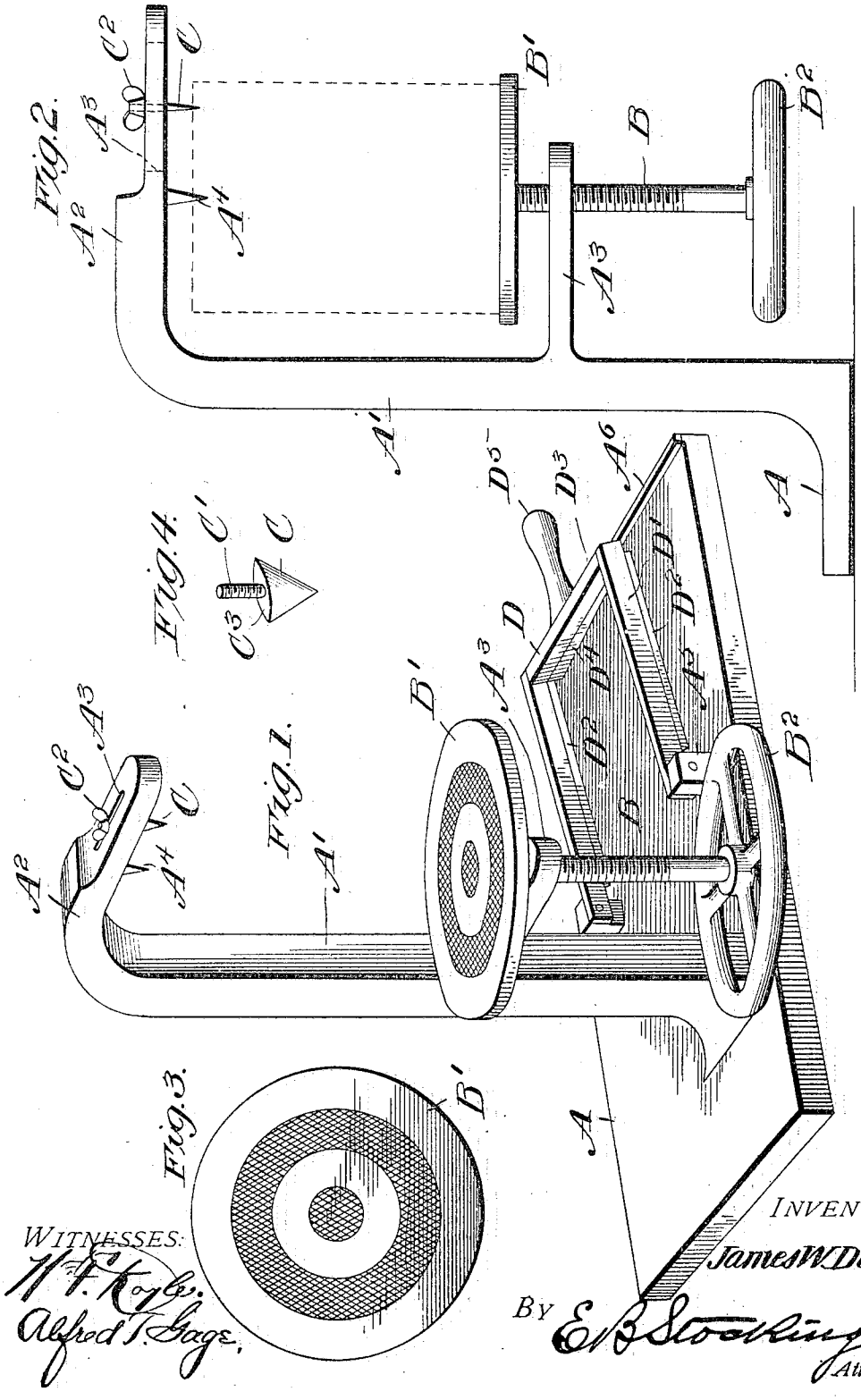
No. 809,673. PATENTED JAN. 9, 1906.

J. W. DAVIS.

CAN OPENER.

APPLICATION FILED JUNE 13, 1905.



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CAN-OPENER.

No. 809,673. Specification of Letters Patent. Patented Jan. 9, 1906.

Application filed June 13, 1905. Serial No. 265,084.

To all whom it may concern:

Be it known that I, JAMES WALTER DAVIS, a citizen of the United States, residing at Alto, in the county of Cherokee, State of Texas, have invented certain new and useful Improvements in Can-Openers, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to a can-opener, and particularly to a structure in which the can is rotated into contact with a cutting-blade.

The invention has for an object to provide a construction for supporting a can and moving the same into contact with a cutting-blade and after such contact rotating the can to remove the head therefrom.

Other and further objects and advantages of the invention will be hereinafter set forth, and the novel features thereof defined by the appended claims.

In the drawings, Figure 1 is a perspective of the invention; Fig. 2, a side elevation of the standard supporting the circular can-opener; Fig. 3, a plan of the can-support, and Fig. 4 a detail perspective of the cutting-blade.

Like letters of reference refer to like parts in the several figures of the drawings.

The letter A designates a base-plate of any desired construction or configuration, which is provided at one side with a standard A′ extending upward therefrom and provided with a laterally-extending head A^2. Intermediate of this head and the base is a threaded arm A^3, through which the screw B passes, and is provided at its upper end with a can-holding plate B′ secured thereto, while the lower end of the screw is provided with an operating-handle B^2, as shown. The upper face of the can-holding plate B′ is provided with any desired means, such as a roughened face B^4, for preventing a slipping or relative movement of the can thereon as the parts are rotated, one form of which is shown in Fig. 3.

The head A^2 is provided with a longitudinal slot A^3, as shown by dotted lines in Fig. 2, and also with a depending centering-pin A^4, adapted to engage the can as the same is forced upward into contact with the cutting-blade C, which is supported in the slot A^3 by means of its shank C′ extending through the slot and provided with a clamping-nut C^2 upon the upper face of the head. The cutting-blade is thus adjustably mounted for movement relative to the centering-pin, whereby an opening of different sizes may be made in the can, as found desirable. This cutting-blade is sharpened upon its opposite edges, as shown in Fig. 4, and provided with shoulders C^3, which rest against the under face of the head to support the blade and to permit its reversal in order to use both edges thereof.

For the purpose of supporting the rectangular cutter D in position the base A is provided with upwardly-extending lugs A^5, spaced apart and to the upper ends of which the side bars D′ are pivotally connected, each being provided with a knife or cutting edge D^2, while the end bar D^3 of the frame is provided with a similar edge D^4 and with an operating-handle D^5. The base is formed with a stop-flange A^6 at its end next the handle, against which the end of the can abuts when it is placed beneath this cutter.

In the operation of the invention the can is supported upon the plate carried by the screw, which when rotated carries the can upward until it engages the centering-pin and cutter-blade, at which time the continued movement of the screw causes these points to puncture the can-top, and owing to the rotary movement of the can the blade continues its cut in a circular path until the top is severed from the can, when the parts may be quickly withdrawn by reversing the direction of rotation of the screw.

The invention presents a simple and efficient construction for quickly opening cans and avoids the necessity for holding the can in the hand or for manually operating the cutter-blade during the opening, thus obviating the soiling of the hands and the contact of liquid or other contents of the can and also the frequent injury caused by slipping of a blade of the opener when carried by the hand.

Having described my invention and set forth its merits, what I claim, and desire to secure by Letters Patent, is—

1. A base provided with a standard having a laterally-extending head, a cutting-blade fixed to said head relative to a can, a supporting-arm carried by said standard, a screw mounted upon said arm, and a can-support secured to the upper end of said screw to rotate therewith and move the can into cutting relation with said blade.

2. A base provided with a standard having a laterally-extending head, a cutting-blade fixed to said head relative to a can, a supporting-arm carried by said standard, a screw mounted upon said arm, a can-support secured to the upper end of said screw to rotate therewith and move the can into cutting relation with said blade, a centering-pin carried by the head in alinement with said screw, and means for adjusting said cutting-blade relative to said pin.

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

JAMES WALTER DAVIS.

Witnesses:
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