

(No Model.)

W. A. SCHORR & W. R. COLLINS.
CAN OPENER.

No. 573,359.

Patented Dec. 15, 1896.

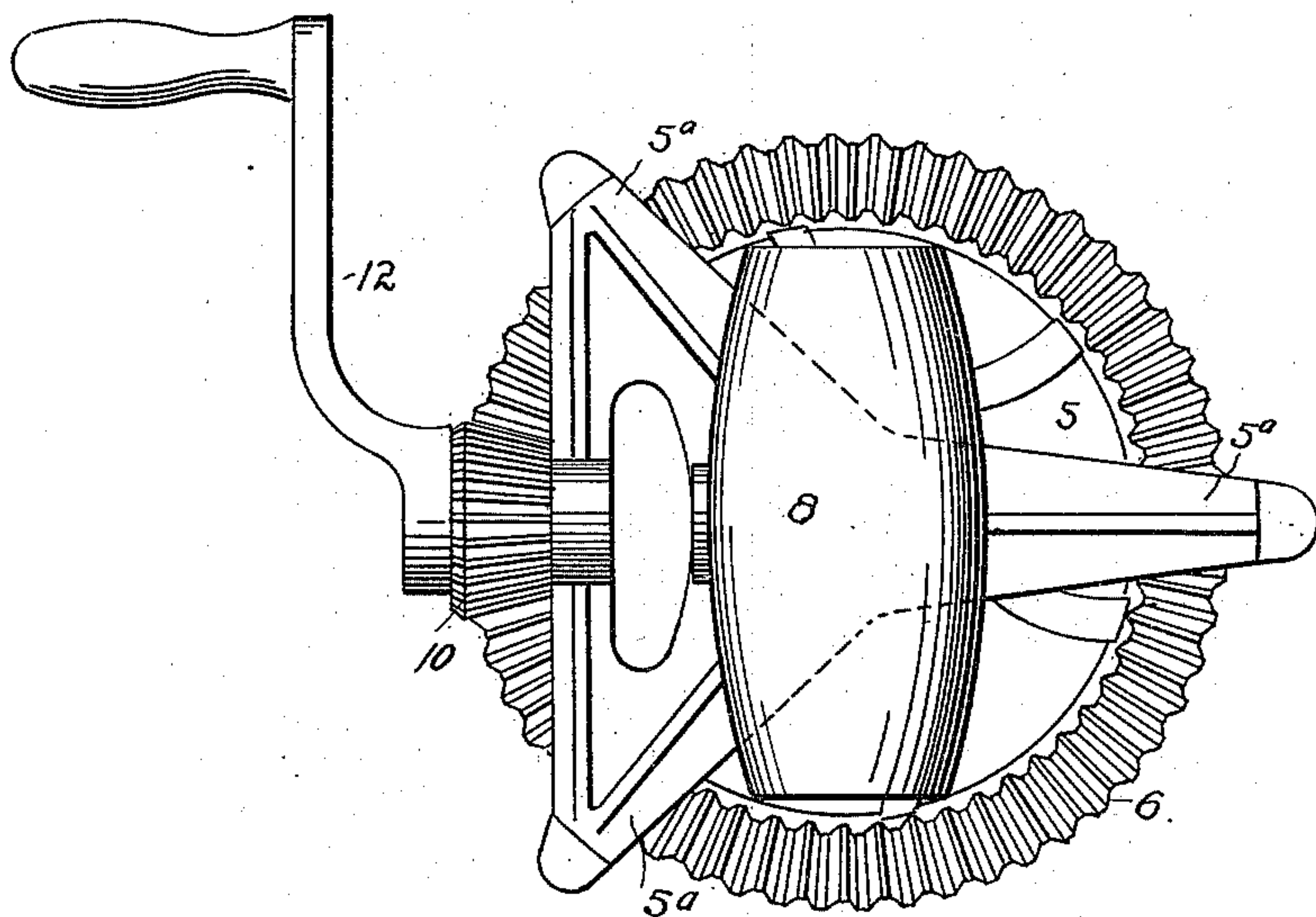


FIG. 1

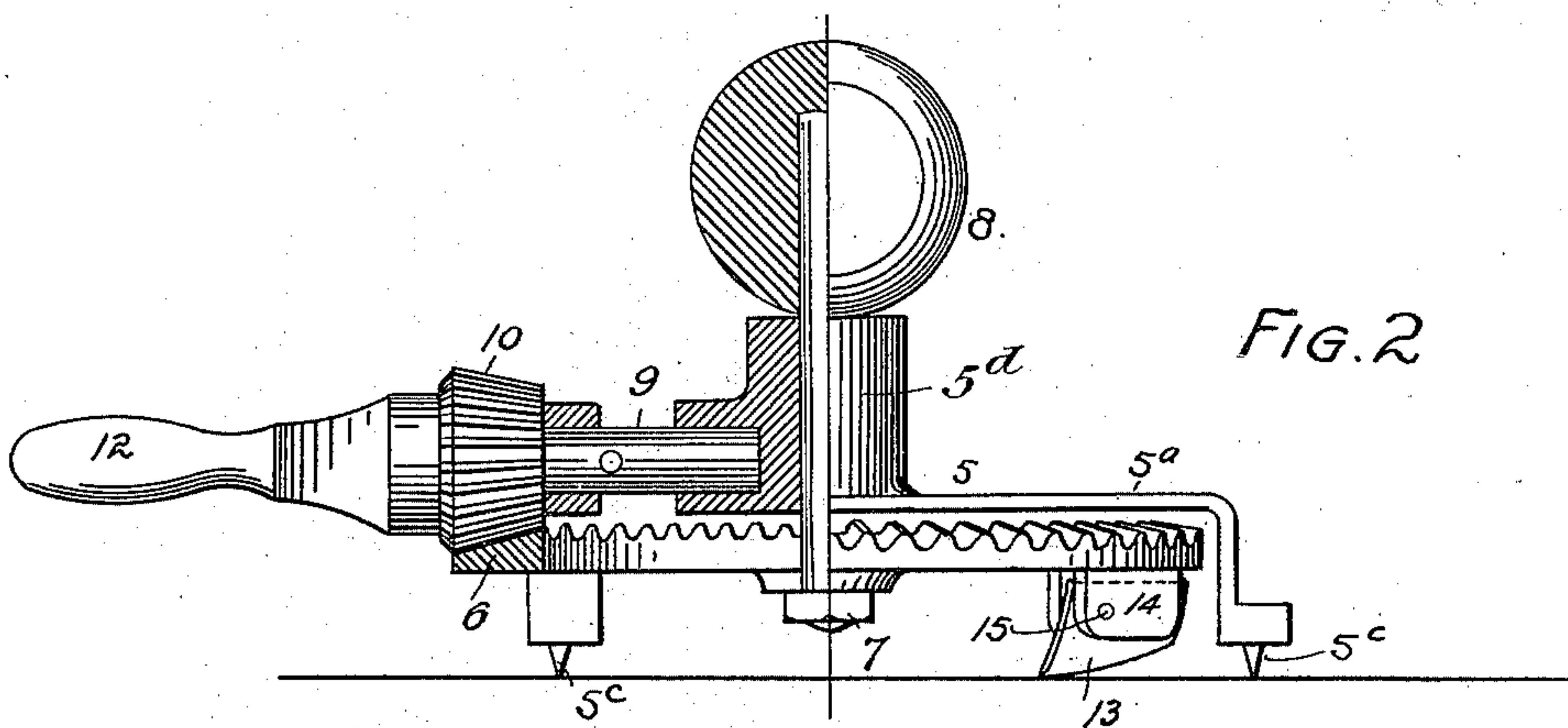


FIG. 2

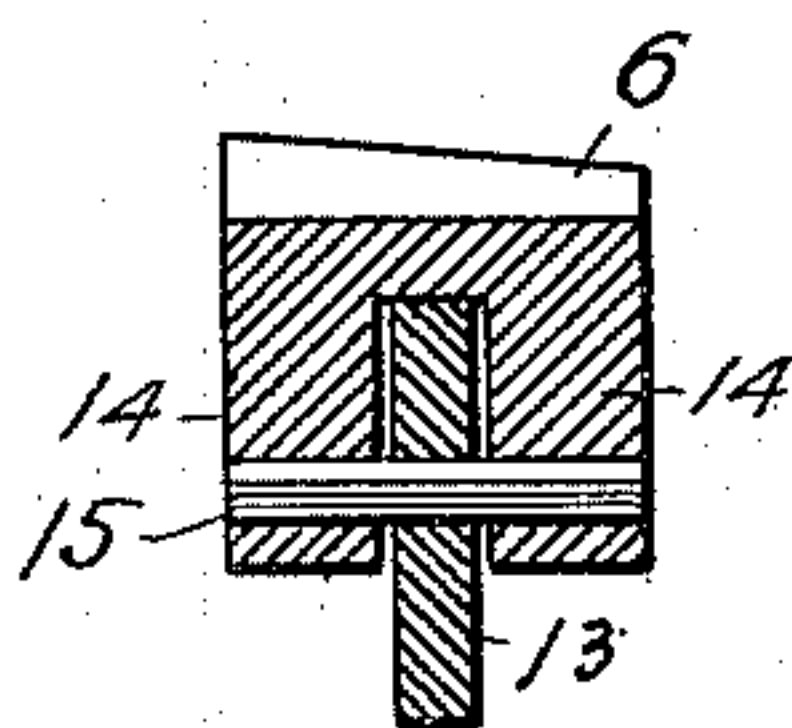


FIG. 3

Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM A. SCHORR AND WHEELER R. COLLINS, OF DENVER, COLORADO.

CAN-OPENER.

SPECIFICATION forming part of Letters Patent No. 573,359, dated December 15, 1896.

Application filed June 26, 1896. Serial No. 596,974. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM A. SCHORR and WHEELER R. COLLINS, citizens of the United States of America, residing at Denver, in the county of Arapahoe and State of Colorado, have invented certain new and useful Improvements in Can-Openers; and we do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

Our invention relates to improvements in can-openers; and it consists of the features hereinafter described and claimed, all of which will be fully understood by reference to the accompanying drawings, in which is illustrated an embodiment thereof.

In the drawings, Figure 1 is a top or plan view of the device. Fig. 2 is a side view, partly in elevation and partly in section. Fig. 3 is a section taken through the horizontal gear and the knife carried thereby.

Similar reference-characters indicating corresponding parts in the views, let the numeral 5 designate a suitable frame having a number of arms 5^a, whose depending outer extremities carry brads 5^c, adapted to pierce the top of the can and hold the device in place. The frame is further provided with a central lug 5^d, projecting upward from the arms 5^a. Beneath this frame and within the space inclosed by the depending arm extremities thereof is located a gear 6, which is secured to the frame by a bolt 7, passing through the gear and a central aperture formed in the lug 5^d of the frame. To the extremity of the bolt projecting above the frame is applied the handle 8. Journaled in the frame above the gear is a spindle 9, to the outer extremity of which is made fast a pinion 10 and a crank 12. The pinion meshes with the gear, which is rotated as the crank is turned. To the under surface of the rim of the gear is attached a knife 13,

which is secured between two depending lugs 14 by a pin 15.

In using the device the brads 5^c, and also the point of the knife, are first forced into the top of the can. The handle 8 is then grasped by one hand and the crank turned with the other hand. The turning of the crank rotates the gear through the medium of the spindle 9 and the pinion 10. The movement of the gear cuts the top of the can on the circle described by the knife.

It will be readily understood that the device may be made of any suitable size; also that a device of a certain size may be employed with cans of various sizes. It must also be understood that we do not limit the invention to the details of construction shown and described, as we are aware that many other forms may be employed without departing from the spirit of the invention.

Having thus described our invention, what we claim is—

In a can-opener, the combination of the frame comprising a central upwardly-projecting lug and a number of radial arms 5^a having depending outer extremities carrying brads 5^c adapted to enter the top of the can, a horizontal gear located beneath the frame and within the space inclosed by the depending frame extremities, a vertical bolt passing through the gear and the lug 5^d of the frame, the handle applied to the upper extremity of the bolt, a horizontal spindle journaled in the frame, a pinion attached to said spindle and meshing with the gear, a crank also attached to the spindle and a detachable knife secured between depending lugs formed integral with the gear and located on its lower surface, substantially as described.

In testimony whereof we affix our signatures in the presence of two witnesses.

WILLIAM A. SCHORR,
WHEELER R. COLLINS.

Witnesses:

ALFRED J. O'BRIEN,
ISHAM R. HOWZE.