(No Model.)

G. W. LYONS.

CAN OPENER.

No. 394,123. Patented Dec. 4, 1888.

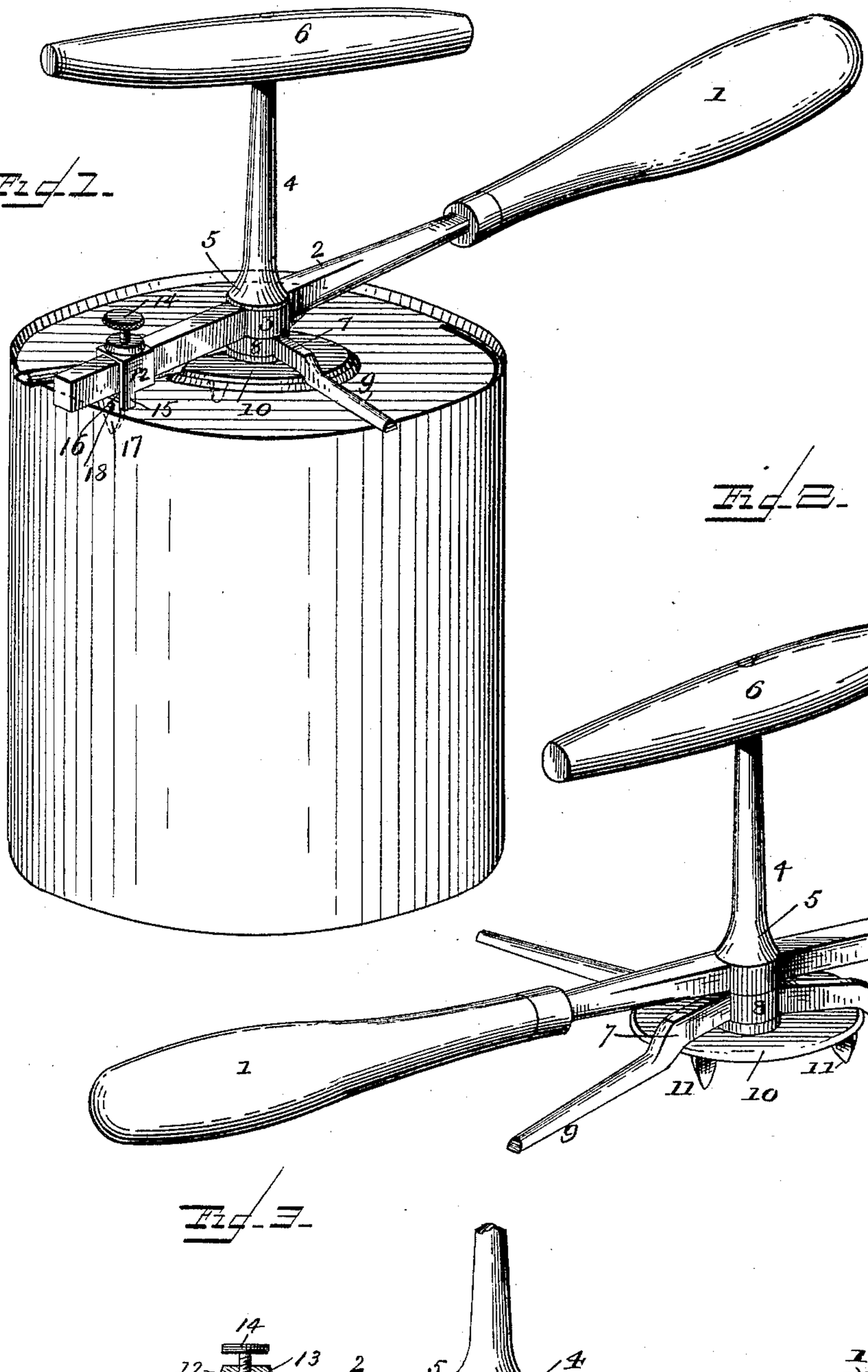

Fig. 1.

Fig. 2.

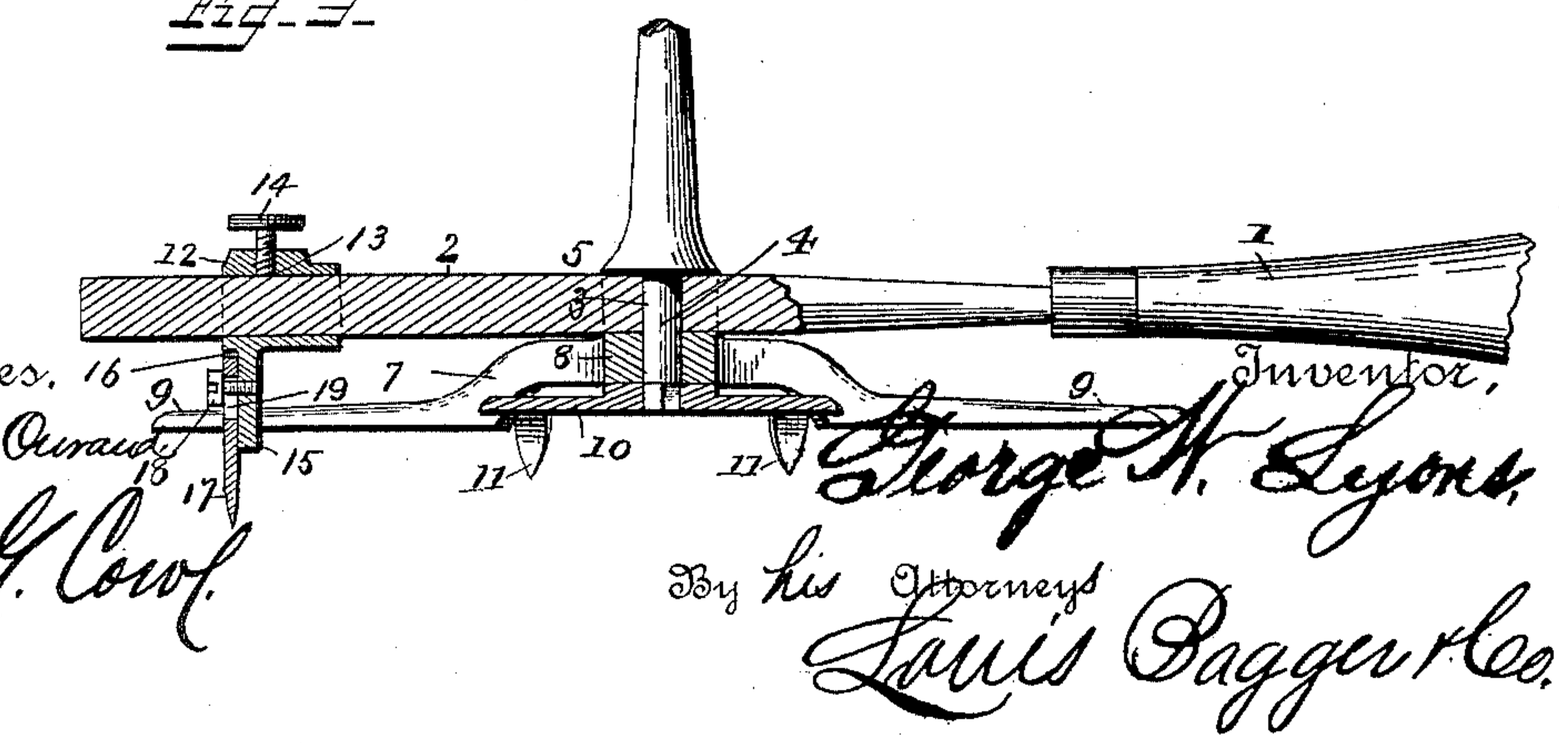

Fig. 3.

Witnesses.
Franck L. Ouraud
Benj. L. Cowl.

Inventor,
George W. Lyons.
By his Attorneys
Louis Bagger & Co.

UNITED STATES PATENT OFFICE.

GEORGE W. LYONS, OF WATERTOWN, NEW YORK.

CAN-OPENER.

SPECIFICATION forming part of Letters Patent No. 394,123, dated December 4, 1888.

Application filed June 4, 1887. Renewed July 9, 1888. Serial No. 279,457. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. LYONS, a citizen of the United States, and a resident of Watertown, in the county of Jefferson and State of New York, have invented certain new and useful Improvements in Can-Openers; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of my improved can-opener, showing it in operation. Fig. 2 is a perspective view of the opener detached, and Fig. 3 is a longitudinal sectional view of the same.

Similar numerals of reference indicate corresponding parts in all the figures.

My invention has relation to that class of can-openers in which the cutting-knife and the means for holding the can revolve relative to each other; and it consists in the improved construction and combination of parts of such a can-opener, as hereinafter more fully described and claimed.

In the accompanying drawings, the numeral 1 indicates a handle, which has a bar, 2, secured in it, and this bar is provided with a bearing, 3, in which a shaft, 4, revolves, a shoulder, 5, bearing against the upper side of the bearing. The upper end of the shaft is provided with a transverse handle, 6, by means of which it may be revolved, and a three-armed frame, 7, is journaled with its hub or bearing 8 upon the lower portion of the shaft below the bearing in the bar, having the outer portions, 9, of its arms bent to project in a plane below the plane of the hub. A disk, 10, is secured upon the lower end of the shaft below the hub of the three-armed frame, and the under side of this disk is provided with downwardly-projecting teeth 11 near the rim, which teeth may serve to penetrate and hold the top of the can to be opened. A block, 12, slides with its bearing 13 upon the outer portion of the bar of the handle, having a set-screw, 14, for adjusting it upon the bar, and the lower portion of this block is provided with a downwardly-projecting arm, 15, upon the outer recessed face 16, of which a blade, 17, is secured by a set-screw, 18, passing through a longitudinal slot, 19, the said blade having its lower end pointed and sharpened on both sides and filling the recess in the arm with its upper portion.

It will now be seen that when the disk of the revolving shaft is placed upon the top of the can and the teeth are forced through the top the outer portions of the three arms will bear against the top of the can, supporting the device, and the cutting-blade may now be adjusted by the set-screw of the sliding block to cut the top at the desired place, when, by either turning the handle of the shaft, revolving the can, or by turning the handle of the bar and holding the can still, the cutter-blade may cut the top.

The cutter-blade may be fed down as it wears, and cans of different sizes may be opened by adjusting the cutter at the desired distances from the central bearing.

It will be seen that by having the arms of the frame resting upon the top of the can the can will be held by the teeth upon the disk after the portion held by the teeth has been cut nearly loose from the can, so that the entire portion of the top may be cut out, and the disk having the teeth will not be forced down with the portion cut out, but will be supported by the arms resting upon the uncut portion of the can.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

In a can-opener, the combination of a bar having a suitable handle at one end and provided with a downwardly-projecting cutting-blade, a shaft journaled in a bearing in the bar and provided with a handle at its upper end, and with a disk upon its lower end having teeth for entering the top of the can, and a frame journaled upon the shaft above the disk and having arms for resting upon the top of the can, as and for the purpose shown and set forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

GEORGE W. LYONS.

Witnesses:

L. L. PRATT,

W. B. WHEELER.