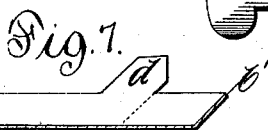
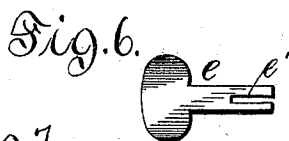
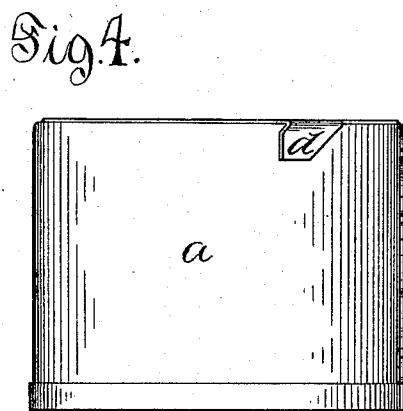
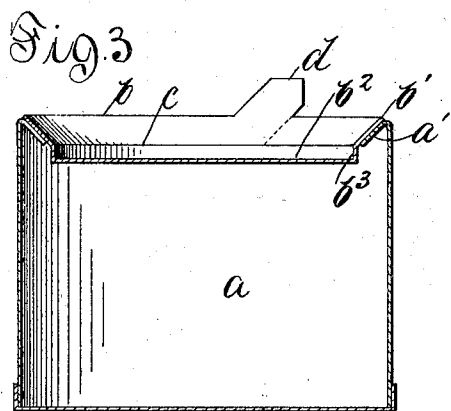
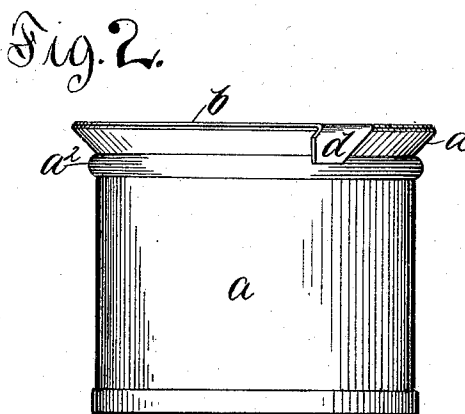
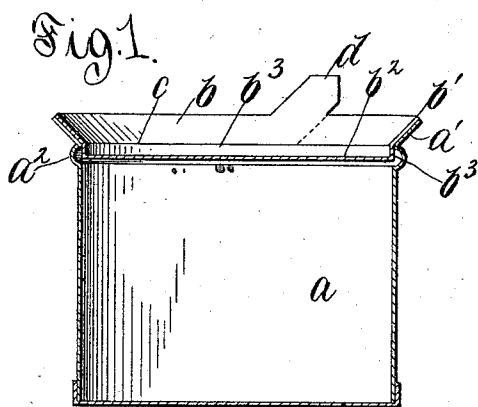


(No Model.)

E. BARRATH.
KEY OPENING CAN.

No. 605,456.

Patented June 7, 1898.



Witnesses:

George L. Cragg.
Dr. Will C. Pannet.

Inventor:
Edward Barrath.
By Barton & Brown
Attorneys.

UNITED STATES PATENT OFFICE.

EDWARD BARRATH, OF CHICAGO, ILLINOIS.

KEY-OPENING CAN.

SPECIFICATION forming part of Letters Patent No. 605,456, dated June 7, 1898.

Application filed September 10, 1894. Renewed June 26, 1897. Serial No. 642,528. (No model.)

To all whom it may concern:

Be it known that I, EDWARD BARRATH, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Key-Opening Cans, (Case No. 9,) of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to key-opening cans; and its object is to provide a can adapted to be opened by tearing away the rim of the can-cover.

My invention comprises a can-body provided with an oblique flange and a cover provided with an oblique rim extending upward and outward adapted to rest upon said flange, a circumferential line of reduced strength being provided upon said rim, said line of reduced strength and the edge of the rim terminating in a free lip adapted to be grasped to remove the rim and permit access to the interior of the can.

Referring to the accompanying drawings, Figure 1 is a sectional view of a can embodying my invention. Fig. 2 is an elevation of the same. Fig. 3 is a sectional view of a modified form. Fig. 4 is an elevation of the same. Figs. 5 and 6 are views of keys employed in opening the cans. Fig. 7 is a sectional view of a modified form of cover.

Like letters refer to like parts throughout the different figures.

Referring to Figs. 1 and 2, the can-body a is provided with an oblique flange a' , extending upward and outward, a ridge a^2 being thrown out just beneath the flange. The cover b is provided with an oblique rim b' , extending upward and outward and adapted to rest upon the flange a' . Between the rim b' and the face b^2 of the cover an offset b^3 is provided. A line of reduced strength c extends circumferentially about the cover and is joined by the oblique line of reduced strength c' with one edge of the free lip d , the other edge of which forms a continuation of the edge of the rim. When it is desired to remove the cover, the free lip is grasped with a key and the rim b' torn away, thus freeing the face of the cover and permitting its re-

moval. The ridge a^2 is formed just beneath the flange a' to prevent the lodgment between the can-body and the face of the cover of solder, which would thus bind the face of the cover and the body of the can together after the rim had been removed. In Figs. 3 and 4 the flange on the body of the can extends inward instead of outward.

The offset b^3 in the cover is provided so that a key e , such as that illustrated in Fig. 5, may be employed, the slot e' being not extended to the end of the key and the offset affording room for the travel of the metal at the end of the key. If a key such as that of Fig. 6 be employed, it will not be necessary to provide the offset, though preferable, and a cover such as that shown in Fig. 7 may be used.

While it is preferable to employ the oblique line of reduced strength joining the edge of the lip and the circumferential line of reduced strength, it may be omitted, particularly if the rim be narrow, and I do not wish to limit myself in this particular.

In an application, Serial No. 522,664, filed concurrently herewith, I have described a can provided with a cover having an oblique rim extending about the same, the oblique rim being adapted to be torn away by means of a free lip. The claims of the present case relate to a specific form of the general invention in which the oblique rim upon the cover extends upward and outward.

In applications, Serial No. 522,666, filed September 10, 1894, and Serial No. 531,335, filed December 10, 1894, I have described forms of cans in which two lines of reduced strength are provided extending about the cover, and the claims therein are drawn to the feature of two lines of reduced strength.

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

1. The combination with the body portion of a can provided with an oblique flange, of a cover provided with an oblique rim extending upward and outward, a circumferential line of reduced strength extending about said rim and a free lip adapted to be grasped to tear the cover along said line of reduced strength, substantially as described.

2. The combination with the body portion
of a can provided with an oblique flange, of
a cover provided with an oblique rim extend-
ing upward and outward, an offset being pro-
5 vided on said cover between the rim and the
face thereof, said cover being provided with
a line of reduced strength extending circum-
ferentially about said rim, and a free lip adapt-
ed to be grasped to tear the cover along said

lines of reduced strength, substantially as is
described.

In witness whereof I hereunto subscribe my
name this 8th day of September, A. D. 1894.

EDWARD BARRATH.

Witnesses:

W. CLYDE JONES,
GEORGE L. CRAGG.