

(No Model.)

L. FISCHBACH.

OPENING ATTACHMENT FOR TIN CANS.

No. 495,669.

Patented Apr. 18, 1893.

Fig. 1.

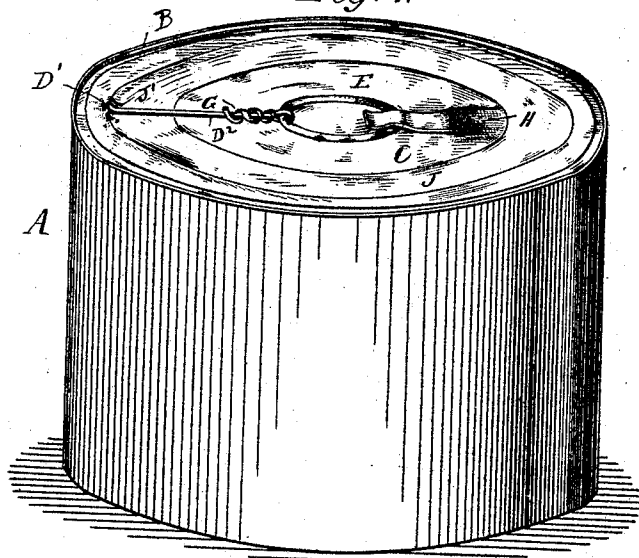


Fig. 2.

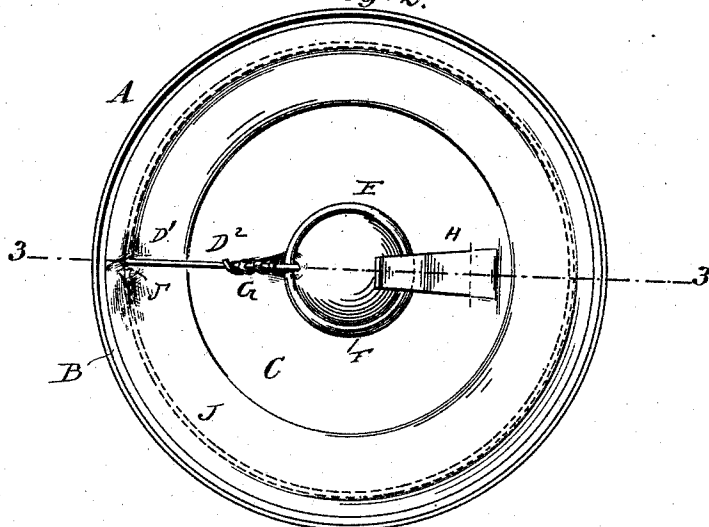
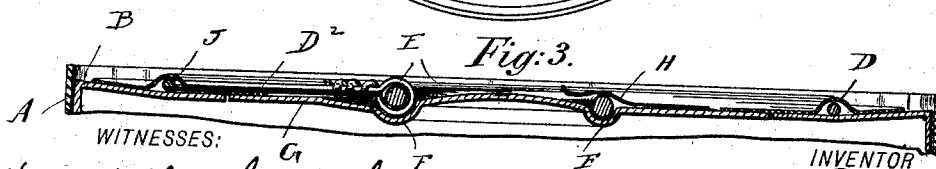


Fig. 3.



WITNESSES:

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OPENING ATTACHMENT FOR TIN CANS.

SPECIFICATION forming part of Letters Patent No. 495,669, dated April 18, 1893.

Application filed December 3, 1892. Serial No. 453,941. (No model.)

To all whom it may concern:

Be it known that I, LOUIS FISCHBACH, a citizen of the United States, and a resident of New York city, in the county and State of New York, have invented certain new and useful Improvements in Opening Attachments for Tin Cans, of which the following is a specification.

The object of my invention is to provide a new and improved opening attachment for tin cans, by means of which the cans can readily be opened without requiring the use of any tools or appliances and there is no danger of cutting the hands or fingers of the person opening the can.

The invention consists in the construction and combination of parts and details, which will be fully described hereinafter and finally pointed out in the claim.

In the accompanying drawings, Figure 1 is a perspective view of a tin can provided with my new attachment for opening the same. Fig. 2 is a top view of the cover, and Fig. 3 is an enlarged detail sectional view of the cover, on the line 3 3, of Fig. 2.

Similar letters of reference indicate corresponding parts.

The tin can A is provided with the annular top B having a central opening for receiving the circular cover C. A piece of wire D has one end securely soldered to the top B of the can at the point D', and said wire is placed in the form of a circle upon said top B, and at or near the point D' the free end D² of the wire is bent to project radially toward the center of the cover, and to said free end a ring E is fastened. The cover C is provided with an annular groove F in its upper surface for receiving the ring E, and with a radial groove G for receiving the radial part D² of the wire D. A clip H of sheet-metal is soldered to the top of the cover and projects over the groove F for the purpose of holding the ring E within said groove, as shown. An annular strip of thin sheet-metal J is soldered along its inner edge to the cover C in such a manner as to lap over the edge of the annular top B. The cover C is then placed upon

said top in such a manner that the annular strip J covers the wire D resting on the top B, that part of the wire extending radially toward the middle of the cover passing through a notch J' in said strip J. The air is then exhausted from the can in any well known manner and the outer edge of said strip J is soldered to the top B. The radial part of the wire is pressed into the groove G and the ring E placed into the groove F and confined therein by the clip H. To open the can the ring E is raised and pulled upward. This causes the wire D to cut through the thin metal strip J, thus severing the connection between the cover C and the top B and permitting the ready removal of the cover. No implement or tool is required and the tin can can be opened easily and readily.

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

The combination, with a can the top of which is provided with a central aperture, of a cover fitting in said aperture, said cover being provided with a circular groove concentric with the circumference of the cover and with a radial groove extending from said ring-shaped groove to the edge of the cover, a ripping wire resting on the can-top and extending concentric to the edge of the aperture over the same, said wire being attached at one end to the can-top and provided at the opposite end with a ring and a strip of thin sheet-metal that extends over the can-top, wire and outer portion of the cover and a retaining clip on the can cover, which clip retains the ring at the end of the ripping wire when the same is placed in position in the groove at the center of the cover, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

LOUIS FISCHBACH.

Witnesses:

OSCAR F. GUNZ,
CHARLES SCHROEDER.