

N. H. McPEAK.
 CAN OPENER.
 APPLICATION FILED MAY 31, 1910.

1,001,060.

Patented Aug. 22, 1911.

Fig. 1.

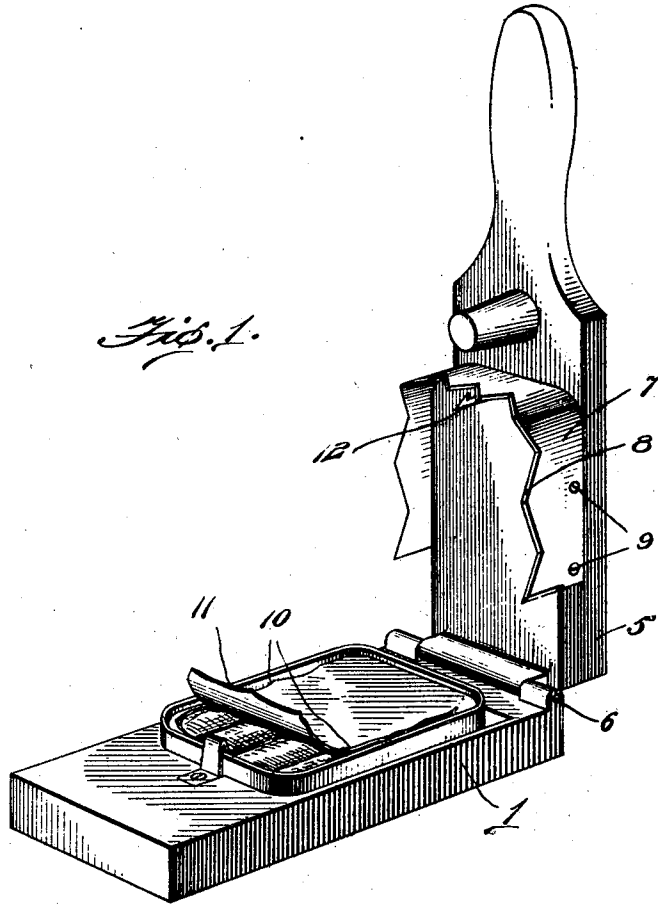
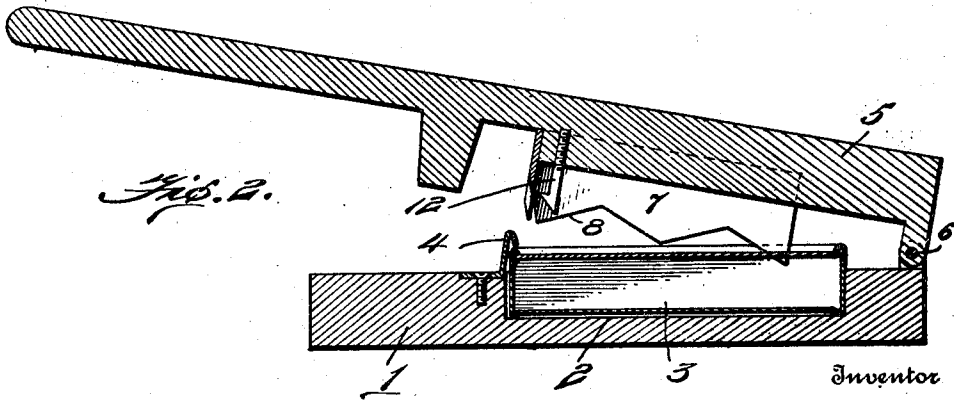


Fig. 2.



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CAN-OPENER.

1,001,060.

Specification of Letters Patent. Patented Aug. 22, 1911.

Application filed May 31, 1910. Serial No. 564,328.

To all whom it may concern:

Be it known that I, NED H. McPEAK, a citizen of the United States, residing at Cornerstone, in the county of Jefferson and State of Arkansas, have invented certain new and useful Improvements in Can-Openers, of which the following is a specification.

My invention relates to improvements in can openers, and it consists in the constructions, combinations and arrangements herein described and claimed.

An object of my invention is to provide an improved can opener especially adapted for sardine cans, which will cut a flap, or tongue, comprising approximately the entire top of the can and automatically elevate the cut flap.

A further object of my invention is to provide an improved can opener which cuts the can progressively along the sides and free end of a substantially U-shaped flap, and firmly supports the free end of such flap during the severance thereof; thereby avoiding the annoyance caused in previous constructions by buckling of the can and depression of the cut portion.

A further object of my invention is to provide an improved can opener constructed to operate with great rapidity and convenience, with entire safety to the operator and without danger of injury to the contents of the can.

In the accompanying drawings, forming a part of this application and in which similar reference symbols indicate corresponding parts in the several views: Figure 1 is a perspective view, illustrating one embodiment of my invention in open position after cutting and elevating the flap of a sardine can, and Fig. 2 is a central longitudinal section, showing my invention in partly closed position with the serrated cutter just beginning to cut the sides of a flap in the can top.

Referring to the drawings, 1 indicates a base provided with a recess 2 for receiving a sardine can 3, and having a clamp 4 for overlapping the front end of a can placed in the recess. The recess 2 can be formed of sufficient size to receive all required different sizes of cans; the can being always positioned with its front end beneath the clamp 4.

A swinging member 5 is hinged at 6 to the rear of the base 1, and carries a cutter 7 provided with a serrated cutting edge 8 for

cutting a flap in the can top. The cutter is preferably formed of a continuous metal band detachably secured to the member 5, as by screws 9; whereby it can be readily replaced when worn out or broken.

As shown in Fig. 2, the apexes of the serrated cutting edge 8 lie in a plane which extends upwardly from a radial plane extending from said cutting edge through the center of swing 6 of the latter; thereby providing a construction in which the serrated edge 8 acts to cut the can progressively along the sides 10 and free end 11 of a flap. In this operation, the several apexes pierce the can at successive points along the outline of the flap, and cut with a shearing action in both directions from said points; thereby minimizing the cutting pressure on the can, and avoiding all danger of distorting the can and injuring its contents.

An elevator 12 projects from the swinging member 5 beyond the adjacent edge of the cutter 7, in position for piercing the free end of the can flap before complete severance of the latter by such adjacent cutter edge; said elevator being provided with a shoulder, or head, for hooking beneath the flap to elevate the latter upon upward swing of the member 5.

The lower face of the elevator is sharpened to facilitate piercing of the can flap, and extends substantially to the plane of the adjacent cutting edge 8, in order to cut to the margin of the flap and thereby permit ready displacement of the elevator from said flap during upward swing of the member 5.

I have illustrated and described a preferred and satisfactory construction, but changes could be made within the spirit and scope of my invention.

The puncturing hook being disposed within the line of the cutter is forced through the cover when the cutter is depressed and secures a firm hold thereon which cannot slip as the cover is raised and insures a complete opening of the cover.

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

1. In a can opener, a supporting base, a swinging member pivoted thereto and provided with cutter members arranged to sever the cover of a can, and a puncturing point upon said swinging member spaced inward from the cutter thereon and having a shoulder at the severed portion of the

can cover to engage an edge of the punctured portion and raise said portion in the upward movement of the lever.

2. In a can opener, a supporting base, a swinging member pivoted thereto and provided with cutter members arranged to sever a portion of a can cover; and a puncturing tool upon said member spaced inward from the cutter thereon at the severed portion

of the can to puncture and raise said portion in the movement of the lever.

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

NED H. McPEAK.

Witnesses:

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