May 22, 1951 G. W. OKEY 2,554,420

CONTINUOUS GRIP CAN OPENER

Filed June 4, 1948

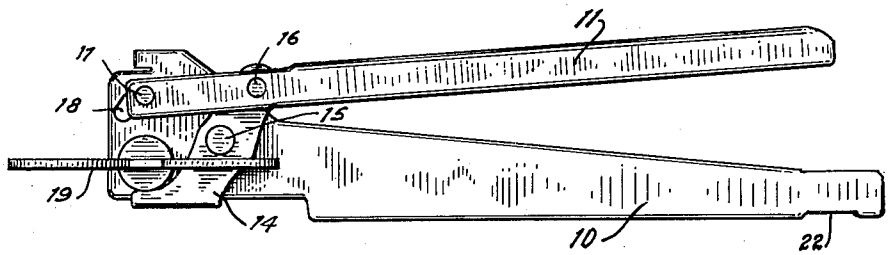


Fig. 1.

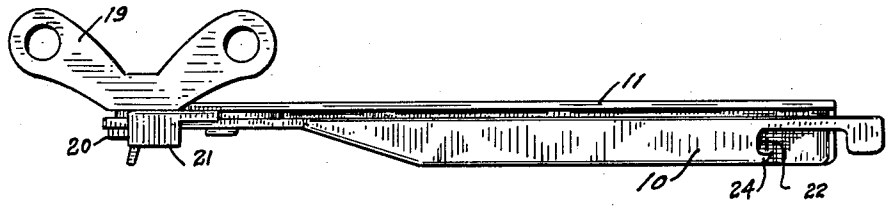


Fig. 2.

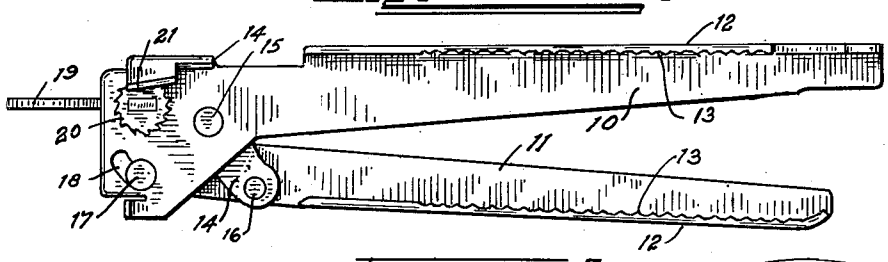


Fig. 3.

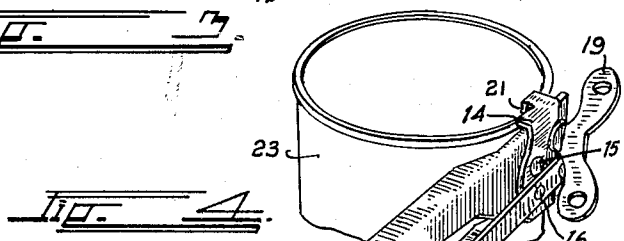


Fig. 4.

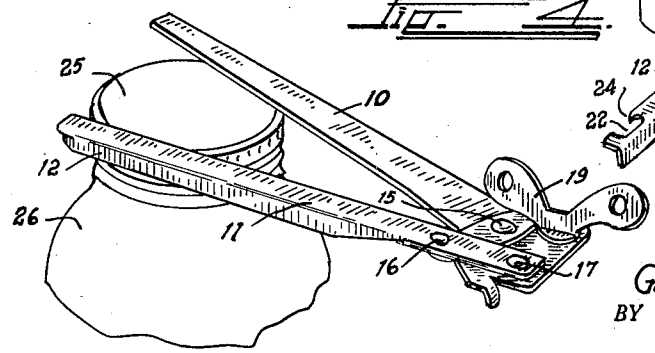


Fig. 5.

INVENTOR.
GEORGE W. OKEY.
BY
ATTORNEY.

Patented May 22, 1951 2,554,420

UNITED STATES PATENT OFFICE

2,554,420

CONTINUOUS GRIP CAN OPENER

George W. Okey, Denver, Colo.

Application June 4, 1948, Serial No. 31,042

1 Claim. (Cl. 30—15)

1

This invention relates to a utensil which forms an all purpose combined can, bottle and jar opener, and has for its principal object the provision of a neat and highly efficient tool which can be used either for removing the ends from tin cans, and or for removing the caps from glass bottles and jars.

Other objects and advantages reside in the detail construction of the invention, which is designed for simplicity, economy, and efficiency. These will become more apparent from the following description.

In the following detailed description of the invention, reference is had to the accompanying drawing which forms a part hereof. Like numerals refer to like parts in all views of the drawing and throughout the description.

In the drawing:

Fig. 1 is a side view of the improved combined can and bottle opener;

Fig. 2 is a bottom view thereof;

Fig. 3 is a side view, illustrating the opposite side of the device;

Fig. 4 illustrates the improved combined can and bottle opener as it would appear in use, opening an ordinary can; and

Fig. 5 is a similar view, illustrating the tool in use, removing a screw cap from a bottle.

The invention employs two plier-like handles, designated on the drawing as a first handle 10 and a second handle 11. Both handles are angle shaped in cross-section so as to provide two, flat, gripping flanges 12. The inner faces of the gripping flanges 12 are indented to form a plurality of relatively sharp teeth 13. The flange 12 of the handle 10 is notched, as indicated at 22, to form a bottle cap remover.

A blade arm 14 is pivotally mounted on a pivot pin 15 extending through the handle 10. One extremity of the blade arm 14 carries a hinge pin 16, upon which the handle 11 is hingedly mounted adjacent the forward extremity of the latter. The latter extremity carries a stop pin 17 which travels in a slotted opening 18 in the handle 10.

A turn handle 19 is rotatably mounted on one extremity of the handle 10 and extends therethrough to support a can gripping wheel 20 on the opposite side thereof. The blade arm 14 extends around the lower edge of the handle 10 and terminates in a can-cutting knife 21 which is positioned alongside the gripping wheel 20.

To open a can, such as indicated at 23, with the device, the two handles 10 and 11 are swung apart. This causes the blade arm 14 to rotate about the pivot pin 15, the stop pin 17 traveling in the slotted opening 18. This separates the cutting knife 21 from the gripping wheel 20 and allows the edge bead of the can to be slipped between the two. The two handles 10 and 11 are then squeezed together to force the knife 21 into

2

the can by rotation of the blade arm 14 on its pivot 15. The turn handle 19 is then rotated to cause the gripping wheel 20 to carry the can around against the knife 21 so as to separate the top therefrom.

For removing the small caps from the bottles of beverages and the like, the notch 22 is used. The cap is inserted into the notch 22, and the latter is provided with a hook 24 which engages under the cap to lift it from the bottle.

For removing metal screw caps, such as indicated at 25, from jars, such as indicated at 26, the device is reversed so that the two handles 10 and 11 will rest upon the cap 25, with the flanges 12 positioned on opposite sides of the cap. The handles are squeezed together to cause the teeth 13 to engage the sides of the cap and the latter is rotated from position.

While a specific form of the improvement has been described and illustrated herein, it is desired to be understood that the same may be varied, within the scope of the appended claim, without departing from the spirit of the invention.

Having thus described the invention what is claimed and desired secured by Letters Patent is:

A utensil for opening cans, comprising: a first handle; a blade arm extending across one extremity of the first handle; a pivot member mounting said blade arm on said handle; a bent extremity on said blade arm extending to the opposite side of the first handle; a cutting knife on said bent extremity; a hand rotatable member extending through said handle adjacent said cutting knife; a can gripping wheel on said hand rotatable member; a second handle hingedly mounted on the other extremity of said blade arm and extending rearwardly alongside said first handle and forwardly from said blade arm; and a stop pin in the forward extremity of said second handle riding in a slotted opening in said first handle to limit the relative movement therebetween.

GEORGE W. OKEY.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
1,466,118	Ciha	Aug. 28, 1923
1,474,067	Buckwalter	Nov. 13, 1923
1,852,389	Zidovec	Apr. 5, 1932
2,091,524	Roberts	Aug. 31, 1937
2,127,373	Zimmer	Aug. 16, 1938
2,237,418	Fender	Apr. 8, 1941

FOREIGN PATENTS

Number	Country	Date
576,578	Great Britain	Apr. 10, 1946