

1) Family number: 77413650 (US2020024115A)

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Title: BOTTLE CAP OPENER AND LAUNCHER

Abstract: A bottle cap opener and launcher for opening bottles and then launching the caps for entertainment. The bottle cap opener and launcher generally includes a body that holds a collar and a pry tooth, wherein the collar can be pressed to cause the pry tooth to extend outwardly from the body. When not in use, the pry tooth retracts into the body, urged by an internal compression spring. In the extended position the pry tooth can be used to pry caps off of bottles. The body also serves as a lever to allow the user to operate the opener.

Classifications:

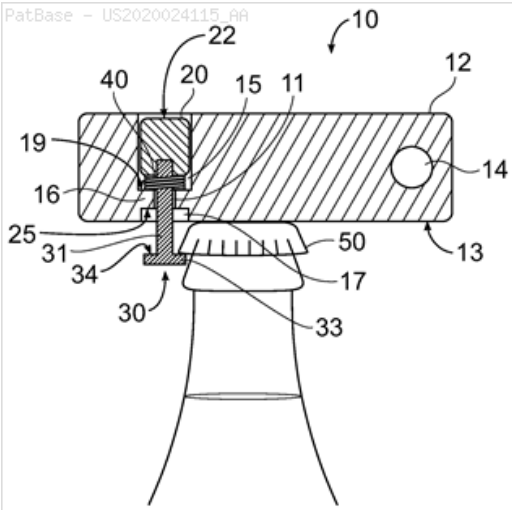
International (IPC 8-9): A63H33/18 B67B7/16 (Advanced/Invention)

CPC: B67B7/16 A63H33/18 A63B65/10 A63D3/02 A63H37/005

A63F7/0668 A63F9/001 A63F9/0252 A63F2009/0015 A63F2009/0027

A63F2009/0052 A63F2009/0265 A63B2209/00 A63B2210/50

A63B2225/09



Family:

Publication number	Publication date	Application number	Application date
US2020024115 AA	20200123	US20190511877	20190715
US2020024116 AA	20200123	US20190574798	20190918

Priority:

US20180699127P 20180717 US20190511877 20190715 US20190574798 20190918

Probable Assignee:

GRAY DAVID L

Assignee(s): (std):

GRAY DAVID L

Inventor(s): (std):

GRAY DAVID L

2) Family number: 75787079 (WO19166069A1)

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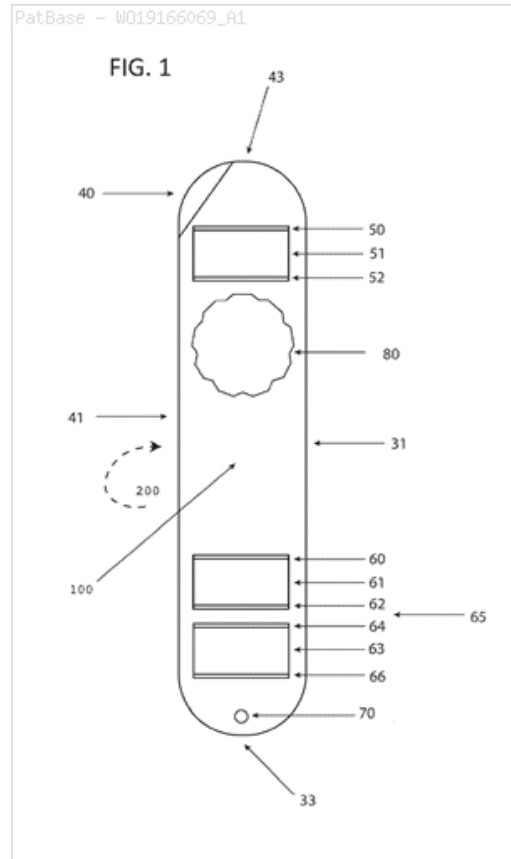
Title: MULTI-FUNCTION BEVERAGE CONTAINER OPENING AND HANDLING DEVICE

Abstract: A multi-function beverage container opener and handler is provided which comprises an elongated oblong body (Fig. 1) the device is characterized by having smooth rounded edges for user comfort (31, 33, 41, 43) and easy sliding, as well as a hole (70) for attachments. There is a double opening head (65) on one end, and a singular opening head (51) on the other end, which has dual opening blades one on the top and one on bottom, allowing all of the opening head to function from both planar sides of the device in either direction. It comprises a double-sided narrowing in the openers plane at the corner (40) for opening can tabs, and a socket wrench component (80) adjacent to the singular opening head (51), for opening twist off caps and carrying bottles hands-free.

Classifications:

International (IPC 8-9): B67B7/44 (Advanced/Invention)

CPC: B67B7/44 B67B7/16 B67B7/18 B67B7/403

**Family:**

Publication number	Publication date	Application number	Application date
DK179887 B1	20190827	DK20180000099	20180302
DK201800099 A1	20190827	DK20180000099	20180302
WO19166069 A1	20190906	WO2019DK50076	20190228

Priority:

DK20180000099 20180302

Probable Assignee: NENTVIG NETE**Assignee(s):** (std): NENTVIG NETE ; NETE NENTVIG**Inventor(s):** (std): NENTVIG NETE ; NETE NENTVIG

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

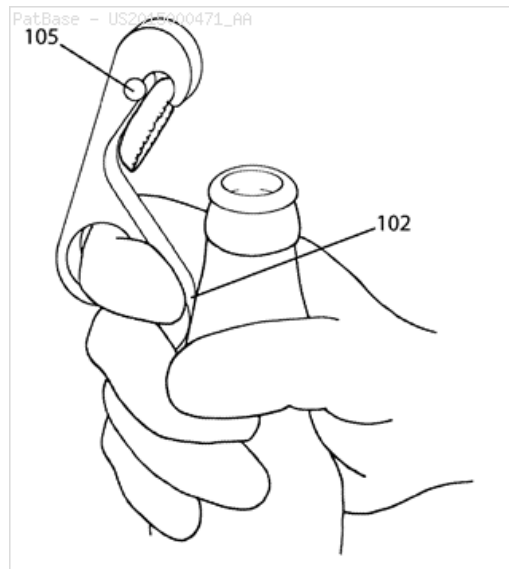
3) Family number: 58178665 (US2015000471A)

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Title: GRAB OPENER FOR CROWN BOTTLE CAPS

Abstract: A device for opening bottles and cans that is designed to efficiently engage and remove crown bottle caps through the single motion of grabbing a bottle with one hand, consisting of metal, wood, plastic or other composite material 100, configured as a lever with a ring 103 joined to a finger platform 101 with a rocker 102 opposite an inverted hook 106 with a flat area to seat the bottle cap 104, a tapered point 107, and a magnet 105

Classifications:**International (IPC 8-9):** B67B7/16 B67B7/40 (Advanced/Invention)**CPC:** B67B2007/166 B67B7/16 B67B7/403**US:** 1/1 81/3.57



Family:

Publication number	Publication date	Application number	Application date
US2015000471 AA	20150101	US20130927115	20130626
US9114968 BB	20150825	US20130927115	20130626

Priority:

US20120673207P 20120718 US20130927115 20130626

Probable Assignee: MANGER MARK ANDREW

Assignee(s): (std): MANGER MARK ANDREW

Inventor(s): (std): MANGER MARK ANDREW

4) Family number: 48382596 (US2011296955A)

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Title: MULTI PURPOSE BEVERAGE CONTAINER OPENER

Abstract: A multiple-function beverage container opener for lifting container lid lift tabs comprises a thin, relatively long and narrow body suitable for holding in a user's thumb and fingers. The body has a front edge and top and bottom surfaces, the front edge having a beveled top and undersurfaces at the edge that extends rearwardly at an acute angle with respect to the bottom and top surfaces whereby the opener edge may be slipped under a container lid tab. There is a ring aperture and an aperture for a bottle cap opener in the surfaces at opposite ends and the top and bottom parallel surfaces of the tool is bowed, and the perimeter is curved inwardly and outwardly. The opener is provided which features and is ergonomically-shaped. The bottle cap opener is located towards the end of the opener adjacent to the opposite the beveled edge which is the pry-bar type opener for the pull tab lids.

Classifications:

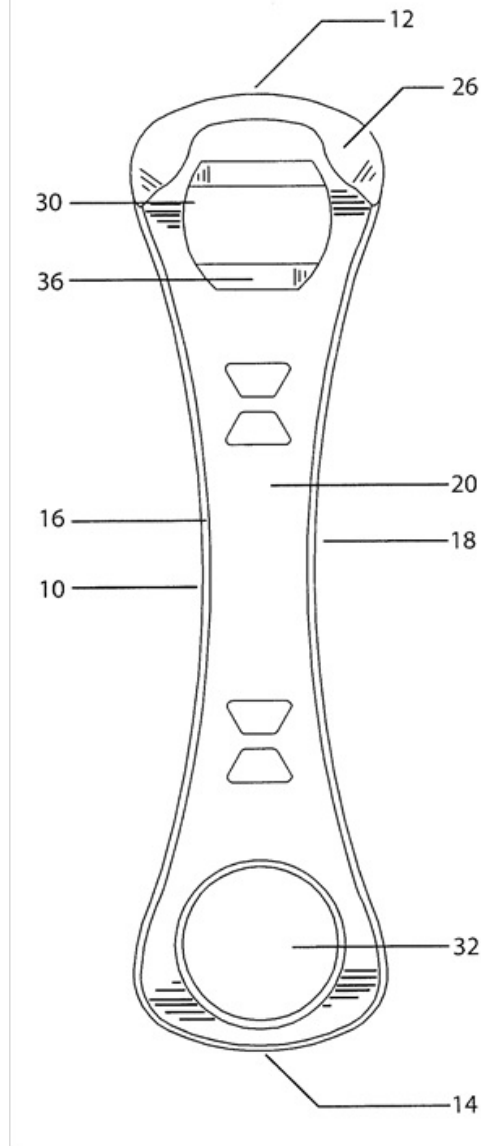
International (IPC 8-9): B67B7/16 B67B7/40

B67B7/44 (Advanced/Invention)

CPC: B67B7/16 B67B7/30 B67B7/403 B67B7/44

European: B67B7/16 B67B7/30 B67B7/40B B67B7/44

US: 81/3.09 81/3.090P 81/3.55 81/3.550S

**Family:**

Publication number	Publication date	Application number	Application date
AU2011100039 AD	20110217	AU20110100039	20110107
CA2741904 AA	20111207	CA20112741904	20110601
EP2392541 A2	20111207	EP20110166231	20110516
EP2392541 A3	20130220	EP20110166231	20110516
US2011296955 AA	20111208	US20100795346	20100607

Priority:

US20100795346 20100607 AU20110100039 20110107

Probable Assignee: HOWARD SILVERS AND SONS PTY LTD

Assignee(s): (std): HOWARD SILVERS AND SONS PTY LTD ; SILVERS MICHAEL HENRY ; TAM SAM

Inventor(s): (std): SILVERS MICHAEL HENRY ; TAM SAM

Inventor(s): SAM TAM ; MICHAEL HENRY SILVERS

Agent(s): FB RICE; FB RICE PTY LTD; SANDRI SANDRO

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

5) Family number: 15205343 (US6105468A)

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Title: Multi-purpose opener

Abstract: A multi-purpose closure opener for use with a variety of containers including twist-top bottles, vacuum-sealed jars and tab-top cans. A rigid elongated main body supports a twist-top opening section, a jar lid opening section and a tab-top can closure opening section for convenient opening of a selected one of these several containers in a single unitary construction. The twist-top opening section allows engagement of at least two bottle cap types, while the tab-top can closure opening section is designed to

engage a variety of different sized and shaped tabs. The jar lid opening section permits easy jar lid seal-breaking convenience on the same opener. A magnet secured to the elongated body allows the opener to be mounted for storage on a kitchen appliance, such as a refrigerator, having a metal surface, or other suitable metal surface.

Classifications:

International (IPC 8-9): B67B7/44 (Advanced/Invention);

B67B7/00 (Core/Invention)

International (IPC 1-7): B67B7/44

CPC: B67B7/44

European: B67B7/44

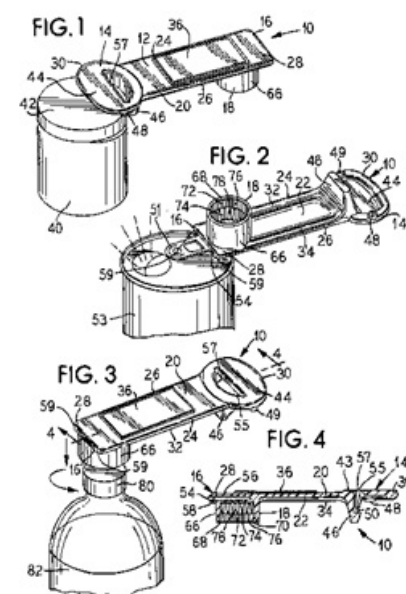
US: 81/3.09 81/3.4 81/3.55

PatBase - US6105468_A

U.S. Patent

Aug. 22, 2000

6,105,468



Family:

Publication number	Publication date	Application number	Application date
AU199927662 A1	19990830	AU19990027662	19990216
CA2228668 AA	19990817	CA19982228668	19980302
CA2228668 C	20020514	CA19982228668	19980302
EP1087904 A1	20010404	EP19990908166	19990216
EP1087904 A4	20010418	EP19990908166	19990216
US6105468 A	20000822	US19980024052	19980217
WO9941187 A1	19990819	WO1999US03235	19990216

Priority:

US19980024052 19980217 CA19982228668 19980302 WO1999US03235 19990216

Probable Assignee: COLUMBIA INSURANCE CO

Assignee(s): (std) PAMPERED CHEF LTD ; THE PAMPERED CHEF LTD

Assignee(s): BH COLUMBIA INC ; COLUMBIA INSURANCE CO ; FOHRMAN SCOTT R ; HESS KEVIN M

Inventor(s): (std) FOHRMAN SCOTT R ; HESS KEVIN M ; KEVIN M HESS ; SCOTT R FOHRMAN

Agent(s): BORDEN LADNER GERVAIS LLP

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG UZ VN YU ZW

6) Family number: 4317409 (US4967622A)

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Title: Beverage container opener

Abstract: A multiple-function beverage container opener is provided which features an ergonomically-shaped, elongate body having a stay-on tab opener on one end thereof, a crimped-on bottle cap opener on the opposite end thereof, and twist-off bottle opener in a central socket portion thereof. The stay-on tab opener is characterized by an arcuate loop formed between outboard and inboard arcuate-shaped lances. The arcuate-shaped lances and loop are provided with a radius that is substantially similar to the rim of the beverage container lid so that the loop fits between the tab handle and the rim of the beverage container. A ramp is coined in the arcuate loop to further assist in the camming of the tab handle upwardly into the arcuate loop for further pivoting and opening of the scored closure of the stay-on tab opener. The socket formed in the central portion of the opener contains and arcuate array of gear-shaped socket teeth provided with a pitch that is approximately twice the pitch of the gear-shaped cap teeth disposed on the twist-cap, the socket teeth having a nominal diameter somewhat greater than the diameter of the cap teeth so that a quick and effective fit is achieved for the operation of the twist-off cap. The end of the opener opposite the stay-on tab opener contains a pry-bar type opener for crimped-on bottle caps.

Classifications:

International (IPC 8-9): B67B7/44 (Advanced/Invention);

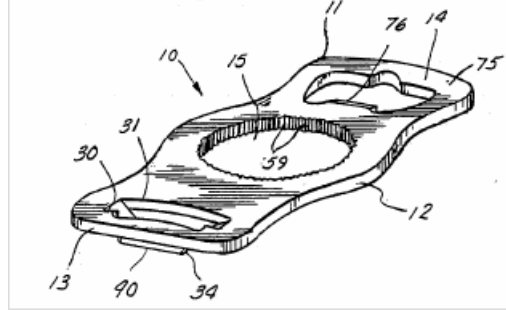
B67B7/00 (Core/Invention)

International (IPC 1-7): B67B7/44

CPC: B67B7/44

European: B67B7/44

US: 7/151 81/3.09 81/3.4 81/3.55

**Family:**

Publication number	Publication date	Application number	Application date
US4967622 A	19901106	US19900471399	19900129

Priority:

US19900471399 19900129

Probable Assignee:

PHILLIPS DAVID S

Assignee(s): (std):

PHILLIPS DAVID S

Inventor(s): (std):

PHILLIPS DAVID S

7) Family number: 5182347 (US4633740A)

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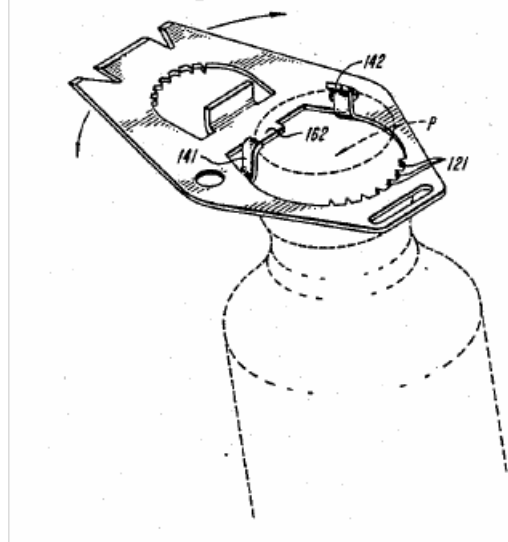
Title: COMBINATION RECEPTACLE OPENER

Abstract: A combination receptacle opener including a plate member having at least one aperture with serrations for gripping for twisting off a twist-cap inserted into the aperture. The aperture also includes a segment for engagement beneath the lip of a crown cap for prying the cap off its bottle, this second function being performed from the same face of the plate member as the twisting function. Further embodiments include tang members extending from one face of the plate member around an aperture, which serve as insertion depth regulations for twist-cap inserted into the aperture, and a baffle extending from one face of the opener around an aperture for adjusting the operative diameter of the aperture for use with smaller twist-caps.

Classifications:**International (IPC 8-9):** B67B7/16 B67B7/20 B67B7/40

B67B7/44 (Advanced/Invention);

B67B7/00 (Core/Invention)

International (IPC 1-7): B67B7/44**CPC:** Y10S7/901 B67B7/44 B67B7/16 B67B7/20 B67B7/403**European:** B67B7/16 B67B7/20 B67B7/40B B67B7/44**US:** 7/151 7/901 81/3.09 81/3.4 81/3.55**Family:**

Publication number	Publication date	Application number	Application date
US4633740 A	19870106	US19840663767	19841023

Priority:

US19840663767 19841023

Probable Assignee:

COLOR DYNAMICS INC

Assignee(s): (std):

COLOR DYNAMICS INC

Assignee(s):

COLOR DYNAMICS INC A MA CORP

Inventor(s): (std):

JACOBS RALPH S