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(54) **D-RING**

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(58) **Field of Classification Search**
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D3/216, 230, 222; D8/14, 16, 19, 331,
D8/343, 349, 356, 358, 359, 360, 363,
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D10/32; D11/1–3, 87, 93, 200, 201,
D11/206–210, 212–219, 220, 230–237;
D29/100–101.5, 122, 129; D30/139, 152,
D30/153

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A44B 11/05; A44B 11/06; A44B 11/10;
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A44B 11/26; A44B 11/125; A44B 11/233;
A44B 11/001; A44B 11/005; A44B
11/006; A44B 11/2503; A44B 11/2507;
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A41F 9/007; A41F 15/002; A01K 27/001;
B60R 22/30; B60R 22/32; B60R 22/002;
B60R 2022/1806; B60R 2022/1812;
B60R 2022/281; B65D 63/16; A62B
35/00; B66C 1/18

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

35,694 A 6/1862 Lake
348,871 A 9/1886 Wales
364,126 A 5/1887 McCool
D21,114 S 10/1891 Hoyt
518,833 A 4/1894 Cooper
582,780 A 5/1897 Eldridge

(Continued)

OTHER PUBLICATIONS

Amazon Ruffwear—Top Rope, available as early as Jun. 26, 2017,
[online], [site visited Jan. 17, 2020]. Retrieved from url: <https://www.amazon.com/RUFFWEAR-Rope-Twilight-Gray-Medium/dp/B012A3TDM0/> (Year: 2017).*

(Continued)

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Bearman, Caldwell & Berkowitz PC

(57) **CLAIM**

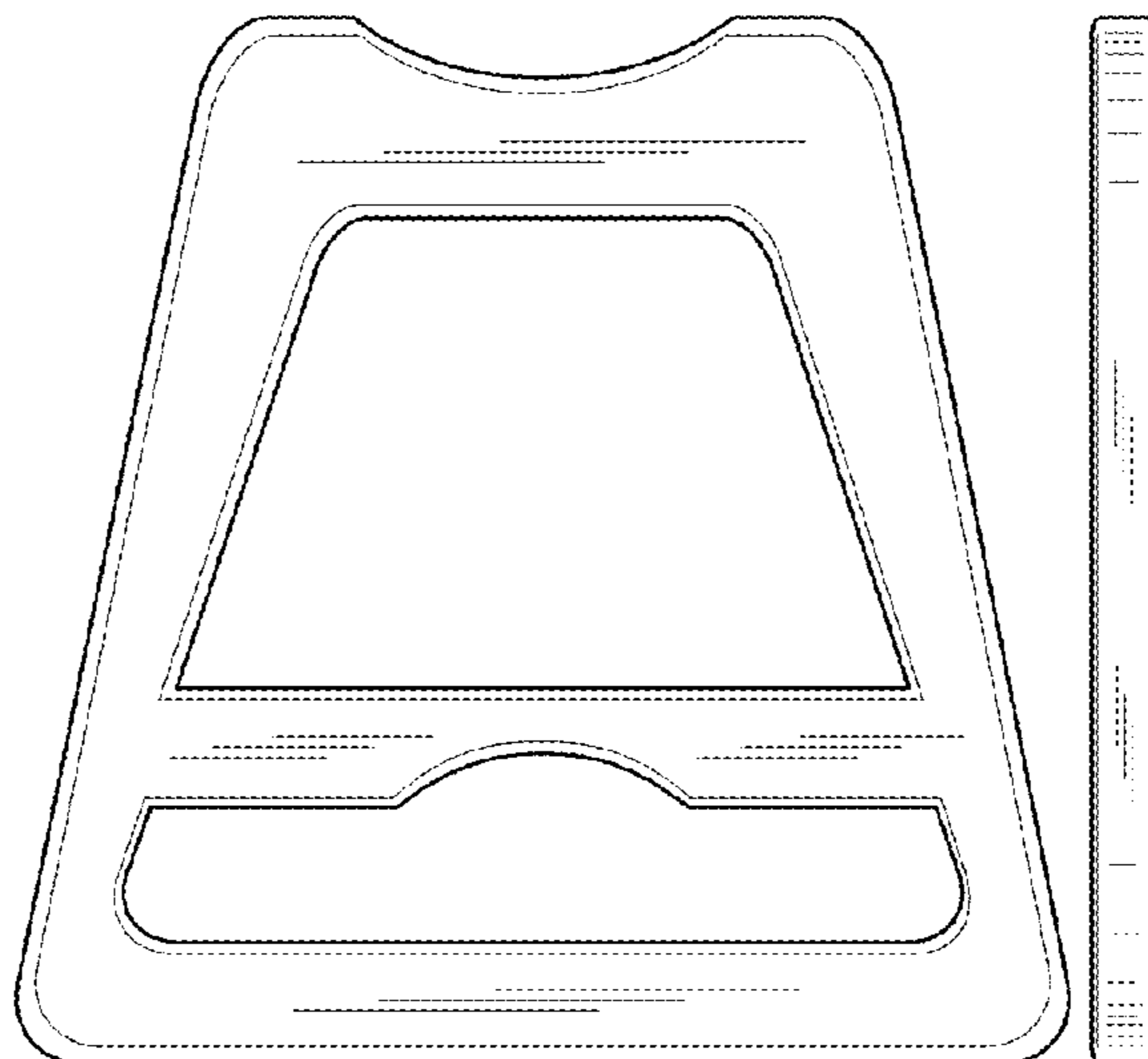
The ornamental design for a D-ring, as shown and described.

DESCRIPTION

FIG. 1 shows a perspective view of my design for a D-ring;
FIG. 2 is a front view thereof;
FIG. 3 is a back view thereof;
FIG. 4 is a top view thereof;
FIG. 5 is a bottom view thereof;
FIG. 6 is a side view thereof; and,
FIG. 7 is another side view thereof.

The D-ring of the present invention is designed to attach to
a piece of webbing and can be used as a bottle opener.

1 Claim, 2 Drawing Sheets



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References Cited

U.S. PATENT DOCUMENTS

| | | | | | |
|---------------|---------|-----------------------------------|---------------|---------|--------------------------------------|
| 686,934 A | 11/1901 | Clark | 4,976,172 A | 12/1990 | Thomas et al. |
| 745,884 A | 12/1903 | Morton | D322,234 S | 12/1991 | Fildan et al. |
| 779,279 A | 1/1905 | Hastings | 5,077,850 A | 1/1992 | Brubaker |
| 1,070,395 A | 8/1913 | Bradford | 5,123,690 A | 6/1992 | Bailey |
| 1,221,741 A | 4/1917 | Johnson | 5,177,837 A | 1/1993 | Rekuc |
| 1,226,316 A | 5/1917 | DePollier | D333,804 S | 3/1993 | Franklin |
| 1,314,905 A | 9/1919 | Sard | D348,214 S | 6/1994 | Girardin |
| D56,042 S | 8/1920 | Warner et al. | D350,712 S | 9/1994 | D'Ambrosio et al. |
| 1,434,312 A | 10/1922 | Penney | D356,658 S | 3/1995 | Bernart |
| 1,494,610 A | 5/1924 | Mcglashan et al. | D357,435 S | 4/1995 | Cook |
| 1,602,305 A | 10/1926 | Helm | D358,567 S | 5/1995 | Sirois |
| 1,697,833 A | 1/1929 | Clark | D364,126 S | 11/1995 | Ochiai |
| 1,776,614 A | 9/1930 | Adam et al. | 5,538,303 A | 7/1996 | Dunham |
| 1,831,496 A | 11/1931 | John et al. | D374,171 S | 10/1996 | Protz et al. |
| 1,860,170 A | 5/1932 | Bronson | D375,252 S | 11/1996 | Fabregas et al. |
| D94,087 S | 12/1934 | Knoll et al. | D375,919 S | 11/1996 | Krauss et al. |
| 2,010,733 A | 8/1935 | Fritz et al. | 5,624,296 A * | 4/1997 | Weber-Unger A41C 3/04 2/101 |
| D103,174 S | 2/1937 | Knoll et al. | 5,632,383 A | 5/1997 | Bailey |
| 2,119,469 A | 5/1938 | Kerngood | 5,661,878 A | 9/1997 | Johnson, III |
| D116,179 S | 8/1939 | Yates | D402,919 S | 12/1998 | Anscher |
| D119,153 S | 2/1940 | Bowder et al. | 5,913,479 A | 6/1999 | Westwood, III |
| 2,212,862 A | 8/1940 | Hirsh et al. | 5,926,928 A | 7/1999 | Lundstedt |
| 2,257,494 A | 9/1941 | Brown et al. | D412,462 S | 8/1999 | Fildan et al. |
| 2,269,696 A | 1/1942 | Shaulson et al. | 5,934,480 A | 8/1999 | Bailey |
| 2,285,714 A | 6/1942 | Hirsh et al. | 5,937,490 A | 8/1999 | Mihailovic |
| D133,265 S | 8/1942 | Kasen et al. | 5,997,039 A | 12/1999 | Manninen |
| D133,541 S | 8/1942 | Kasen et al. | D418,449 S | 1/2000 | Lawrence |
| 2,293,562 A | 8/1942 | Rosenthal et al. | D427,547 S | 7/2000 | Yoshiguchi et al. |
| 2,315,237 A | 3/1943 | Wratschko et al. | D431,431 S * | 10/2000 | Allen D8/14 |
| D142,163 S | 8/1945 | De Woskin et al. | D432,027 S | 10/2000 | Fox et al. |
| D157,386 S | 2/1950 | Lombardi | D435,807 S | 1/2001 | Anscher |
| 2,542,044 A * | 2/1951 | Miller A44B 11/10 24/196 | 6,185,772 B1 | 2/2001 | Bates |
| 2,595,139 A | 4/1952 | Hart et al. | 6,195,849 B1 | 3/2001 | Smith et al. |
| 2,643,431 A | 6/1953 | Schwarz et al. | D444,052 S | 6/2001 | Catlett |
| D171,440 S | 2/1954 | Chisholm et al. | D444,685 S | 7/2001 | Shenkel et al. |
| D175,302 S | 8/1955 | Gale et al. | D445,723 S | 7/2001 | Kim |
| 2,781,569 A | 2/1957 | Eilertsen et al. | D449,438 S | 10/2001 | Simond |
| 2,807,852 A | 10/1957 | Rave et al. | D449,975 S | 11/2001 | Smith et al. |
| 2,856,804 A | 10/1958 | Whiteley et al. | 6,351,876 B1 | 3/2002 | Uehara |
| D183,959 S | 11/1958 | Burnham et al. | D455,642 S | 4/2002 | Kelleghan |
| 2,889,168 A | 6/1959 | Engelhardt | 6,467,573 B1 | 10/2002 | Parker |
| 2,893,094 A | 7/1959 | Heckethorn | D467,819 S | 12/2002 | Tang |
| 3,052,006 A | 9/1962 | Jonas | D468,997 S | 1/2003 | Chang |
| 3,077,650 A | 2/1963 | Horne | D469,023 S | 1/2003 | Mah |
| 3,081,506 A | 3/1963 | Higuchi et al. | 6,527,434 B1 | 3/2003 | Fox et al. |
| 3,121,270 A | 2/1964 | Van Den Broek et al. | D472,499 S | 4/2003 | Valle |
| 3,161,931 A | 12/1964 | Jehiel et al. | D474,713 S | 5/2003 | Eddy |
| 3,177,541 A | 4/1965 | Derrickson | D475,591 S | 6/2003 | Luquire |
| 3,218,686 A | 11/1965 | Rubenstein et al. | 6,579,485 B2 | 6/2003 | Smith et al. |
| 3,277,543 A | 10/1966 | Gaylord | 6,601,274 B2 | 8/2003 | Gartsbeyn |
| 3,327,361 A | 6/1967 | Mathison | D480,492 S | 10/2003 | Wu |
| 3,352,590 A | 11/1967 | Barthule et al. | D484,070 S | 12/2003 | Buscart |
| 3,583,750 A | 6/1971 | Norton | D485,431 S | 1/2004 | Hsu |
| 3,625,559 A | 12/1971 | Lawrence | 6,695,269 B1 | 2/2004 | Anscher |
| 3,748,700 A | 7/1973 | Wiley | D489,600 S | 5/2004 | Pontaoe |
| D233,051 S | 10/1974 | Craigmyle | D510,296 S | 10/2005 | Uehara |
| 3,929,351 A | 12/1975 | Fricko | D511,122 S | 11/2005 | Hurn |
| D241,118 S | 8/1976 | Schreyer et al. | D520,345 S | 5/2006 | Kelleghan |
| 4,095,316 A | 6/1978 | Gabriel | D521,362 S | 5/2006 | Kelleghan |
| 4,135,267 A | 1/1979 | McKinney, Sr. et al. | D521,587 S | 5/2006 | Smith |
| 4,278,116 A | 7/1981 | Opp | 7,055,226 B2 | 6/2006 | Uehara et al. |
| 4,299,014 A | 11/1981 | Wood | 7,086,310 B2 | 8/2006 | Oleksy |
| 4,309,799 A | 1/1982 | Noda | 7,100,249 B2 | 9/2006 | Hurn |
| D267,909 S | 2/1983 | Fildan | 7,100,251 B2 | 9/2006 | Howell |
| D269,389 S | 6/1983 | Wood | 7,111,349 B2 | 9/2006 | Goldberg |
| D271,465 S | 11/1983 | Boissonnet | D536,280 S | 2/2007 | Wemmer |
| D272,717 S | 2/1984 | Faidide | D536,639 S | 2/2007 | Fildan et al. |
| D273,273 S | 4/1984 | Faidide | D537,369 S | 2/2007 | Bao |
| D274,862 S | 7/1984 | Fildan | D538,117 S | 3/2007 | Lin |
| D281,483 S | 11/1985 | Faidide | D550,354 S | 9/2007 | Raya |
| D282,904 S | 3/1986 | Faidide | D555,447 S | 11/2007 | Bhavani |
| D284,521 S | 7/1986 | Forrest et al. | 7,313,983 B1 | 1/2008 | Book |
| D288,162 S | 2/1987 | Hutton et al. | D568,127 S | 5/2008 | Oas |
| 4,670,945 A | 6/1987 | Banks | 7,380,349 B2 | 6/2008 | Ritter et al. |
| | | | D573,875 S | 7/2008 | Anderson |
| | | | D577,574 S | 9/2008 | Liang |
| | | | D579,739 S | 11/2008 | Barone |
| | | | D581,314 S | 11/2008 | Janz |

(56)

References Cited

U.S. PATENT DOCUMENTS

D586,259 S 2/2009 Kelleghan
 D594,381 S 6/2009 Gurule
 D595,119 S 6/2009 Kelleghan
 D598,732 S 8/2009 Bizzell
 7,568,250 B2 8/2009 Menard-Flanagan
 D608,184 S 1/2010 Kelleghan
 D608,187 S 1/2010 Baron
 D610,946 S 3/2010 Harada
 7,683,790 B2 3/2010 Luquire
 D619,498 S 7/2010 Paik
 D619,928 S 7/2010 Bodino et al.
 D621,296 S 8/2010 Kennelty
 D622,178 S 8/2010 Kelleghan
 D623,030 S 9/2010 Spater
 D624,306 S 9/2010 Case
 D624,307 S 9/2010 Case
 D625,654 S 10/2010 Spater
 D625,988 S 10/2010 Chan
 D626,393 S 11/2010 Ormsbee
 D635,891 S 4/2011 Grimm et al.
 7,946,006 B2 5/2011 Thompson
 D639,046 S 6/2011 Ormsbee et al.
 D645,782 S 9/2011 Nykoluk
 D646,556 S 10/2011 Kelleghan
 D648,245 S 11/2011 Takazakura
 D648,653 S 11/2011 Kadoishi
 8,056,191 B2 11/2011 Crye et al.
 D652,971 S 1/2012 Ormsbee et al.
 8,113,481 B1 2/2012 Krysak
 D656,430 S 3/2012 Spater
 D657,134 S 4/2012 Tepper
 D661,573 S 6/2012 Paik et al.
 D666,525 S 9/2012 Anderson et al.
 D668,528 S 10/2012 Chung
 D668,580 S 10/2012 Kax
 D670,902 S 11/2012 McSweyn et al.
 D671,445 S 11/2012 Paik et al.
 D671,447 S 11/2012 Nerison, Sr.
 D673,443 S * 1/2013 Elrod D8/356
 D673,880 S 1/2013 Boothby
 D681,505 S 5/2013 Grimm et al.
 D683,262 S 5/2013 Fitzpatrick
 D687,509 S 8/2013 Iannello et al.
 D690,772 S 10/2013 Kado
 D698,625 S 2/2014 Liang
 D698,626 S 2/2014 Ormsbee et al.
 D698,636 S 2/2014 Weinberg
 D700,541 S 3/2014 Iannello et al.
 D701,110 S 3/2014 Symons
 D701,139 S 3/2014 Kadoishi
 D702,003 S * 4/2014 Fidrych D30/152
 D702,109 S 4/2014 Weinberg
 D702,110 S 4/2014 Gobbi
 D702,151 S 4/2014 Kaneko et al.
 D703,097 S 4/2014 Nanbu et al.
 D704,095 S 5/2014 Kowalewski
 D708,843 S 7/2014 Warner et al.
 D713,293 S 9/2014 Gurule
 8,869,654 B2 10/2014 Fidrych
 D718,186 S 11/2014 Iannello et al.
 D721,010 S 1/2015 Spater
 8,950,640 B2 2/2015 Iannello et al.
 D727,793 S 4/2015 Schier
 D729,513 S 5/2015 Jiang et al.
 D729,619 S 5/2015 Cherin et al.
 D731,919 S 6/2015 Kung
 D731,920 S 6/2015 Kung
 D734,209 S 7/2015 Kadoishi
 D735,559 S 8/2015 Liang et al.
 D737,173 S 8/2015 Kelleghan
 D740,718 S 10/2015 Liu et al.
 D741,148 S 10/2015 Liu
 9,170,570 B2 10/2015 Kawamoto et al.
 D742,722 S 11/2015 Paik et al.
 D743,778 S 11/2015 Huang

D746,126 S 12/2015 Lebeau
 D746,662 S 1/2016 Kelleghan
 D747,947 S 1/2016 Ma
 D748,013 S 1/2016 Spater
 D748,531 S * 2/2016 Paik D11/218
 D748,956 S 2/2016 Goeckel
 9,255,602 B2 2/2016 Liang
 D750,850 S 3/2016 Javornick
 D755,612 S 5/2016 Cooper
 D758,172 S 6/2016 Hung
 D758,307 S 6/2016 Stump et al.
 D758,824 S 6/2016 Kelleghan
 D764,348 S 8/2016 Paik et al.
 D765,493 S 9/2016 Spater
 D765,495 S 9/2016 Schmid
 D766,071 S 9/2016 Spater
 D770,939 S 11/2016 Kolasa
 D772,029 S 11/2016 Spater
 D773,908 S 12/2016 Arakelian
 D773,911 S 12/2016 Louis
 D782,364 S 3/2017 Nykoluk
 D784,798 S 4/2017 Logsdon et al.
 D785,317 S 5/2017 Grossman
 D786,032 S 5/2017 Fidrych
 D786,655 S 5/2017 Petzl
 D792,749 S 7/2017 Faro
 D792,922 S 7/2017 Benson
 D799,300 S 10/2017 Chang
 D799,369 S 10/2017 Eggers et al.
 D799,761 S 10/2017 Dia
 D801,139 S 10/2017 Cheng
 D801,156 S 10/2017 Hung
 D801,221 S 10/2017 Paik et al.
 D801,599 S 10/2017 Macca et al.
 9,775,328 B1 * 10/2017 Fidrych A01K 27/001
 D802,400 S 11/2017 Man
 D807,725 S 1/2018 Chalfant
 D808,240 S 1/2018 Kelleghan
 D809,370 S 2/2018 Tang
 D811,838 S 3/2018 Enrico
 D813,089 S 3/2018 Frost et al.
 D815,982 S 4/2018 Chang
 D818,391 S 5/2018 Chang
 D818,392 S 5/2018 Chang
 D821,090 S 6/2018 Case et al.
 9,986,790 B2 6/2018 Ness et al.
 D824,800 S 8/2018 Blume
 D829,128 S 9/2018 Webb
 D833,855 S 11/2018 Page
 D858,348 S 9/2019 Ishii
 D859,130 S 9/2019 Spater
 2002/0050032 A1 5/2002 Carnall
 2005/0066484 A1 3/2005 Hurn
 2007/0089277 A1 4/2007 Bacalso et al.
 2007/0105482 A1 5/2007 Styles-Gaviria et al.
 2009/0000086 A1 1/2009 Bing
 2009/0158899 A1 6/2009 Eisenbraun
 2010/0031897 A1 * 2/2010 Moeller A01K 27/005
 119/792
 2010/0327615 A1 * 12/2010 Juan Ponsa B66C 1/18
 294/74
 2011/0061211 A1 3/2011 Anscher
 2011/0154955 A1 6/2011 Fidrych
 2011/0214939 A1 9/2011 Botti
 2013/0298311 A1 11/2013 Gerenda et al.
 2014/0102259 A1 4/2014 Albrecht et al.
 2014/0325803 A1 11/2014 Iannello et al.
 2014/0338157 A1 11/2014 Iannello et al.
 2018/0343982 A1 12/2018 Chang
 2018/0368533 A1 12/2018 Chan

OTHER PUBLICATIONS

Amazon UK QASM Quick Attach Buckle, Sep. 1, 2018, [online],
 [site visited Jan. 3, 2020]. Retrieved from Internet url:https://www.
 amazon.co.uk/25mm-ITW-Quick-Attach-Buckle/dp/B07H1P87HZ
 (Year: 2018).

(56)

References Cited

OTHER PUBLICATIONS

Duraflex Dakine Alula Belt Buckle, no date available, [online], [site visited Jan. 6, 2020]. Retrieved from Internet url:<http://duraflexgroup.com.cn/productDetail.aspx?id=647&sort=backpack> (Year: 2020).

EDC Outdoor Tool Stainless Steel Carabiner D Ring Keychain Opener Hook, posted Dec. 14, 2015, [retrieved Dec. 10, 2018]. Retrieved from Internet, (URL: https://www.banggood.com/EDC-Outdoor-Tool-Stainless-Steel-Carabiner-D-Ring-Keychain-Opener-Hook-p-975361.html?cur_warehouse=CN#jsReviewsWrap).

Foreign Trade Online 1 inch Anodic Aluminium G Hook Strong Adjustable Buckles, no date available, [online], [site visited Jan. 4, 2020]. Retrieved from the Internet URL: https://www.foreign-trade.com/wholesale/1inch-Anodic-Aluminium-G-Hook-Strong-_268576.html (Year: 2020).

MagiDeal 8pc Metal G Hook Webbing Buckle, Apr. 13, 2018, [online], [site visited Jan. 4, 2020]. Retrieved from Internet url:<https://www.amazon.co.uk/MagiDeal-Webbing-Release-Accessories-55x40x4mm/dp/B07CNSKTZB> (Year: 2018).

Moose Knuckle Designs Sheppard Lite Stainless Steel EDC Bottle Opener Knuck New, posted unknown, [retrieved Dec. 10, 2018]. Retrieved from Internet, (URL: <https://www.worthpoint.com/worthopedia/moose-knuckle-designs-sheppard-lite-1825405858>).

Sanrenmu SK025Z Multifunctional Tool Key Chain for Outdoor—Silver, posted Jun. 19, 2016, [retrieved Dec. 10, 2018]. Retrieved from Internet, (URL: https://www.gearbest.com/carabiner/pp_360220.html?wid=1433363).

Tactical Tailor MultiCam (OCP) Field Repair Kit_USAMM, no date available, [online], [site visited Jan. 3, 2020]. Retrieved from Internet url: <https://www.usamilitarymedals.com/products/ocp-tactical-tailor-field-repair-kit> (Year: 2020).

* cited by examiner

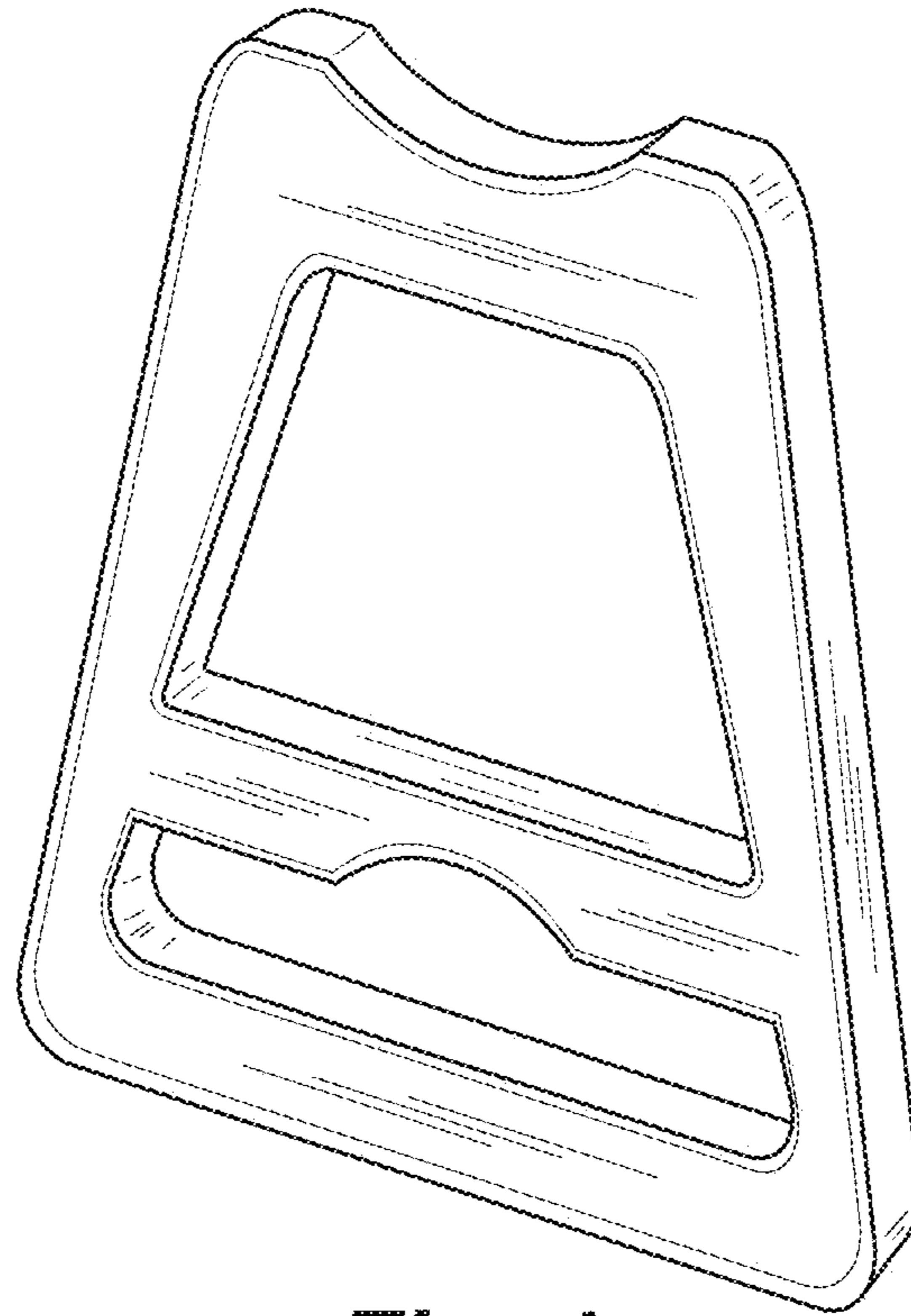


Fig. 1

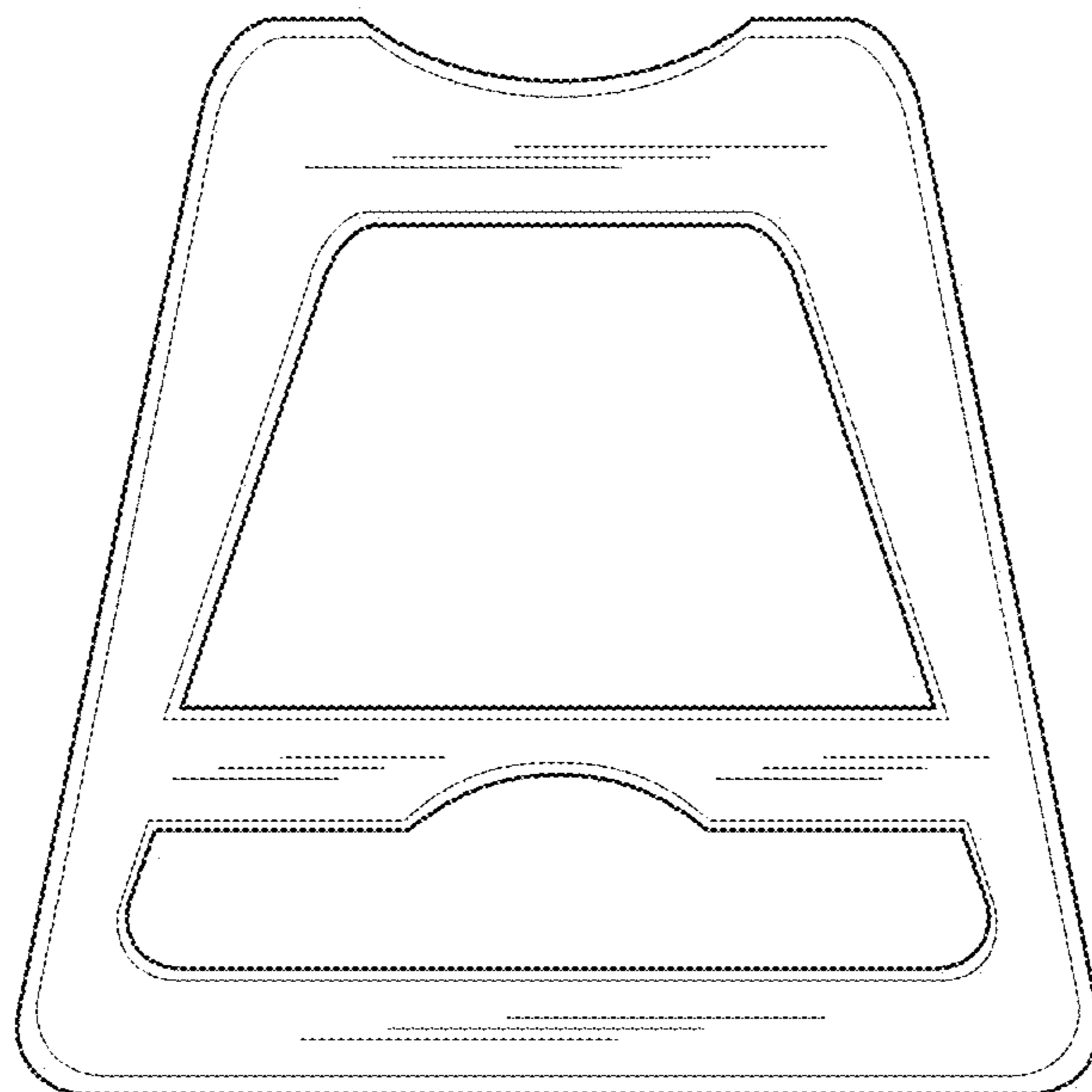


Fig. 2

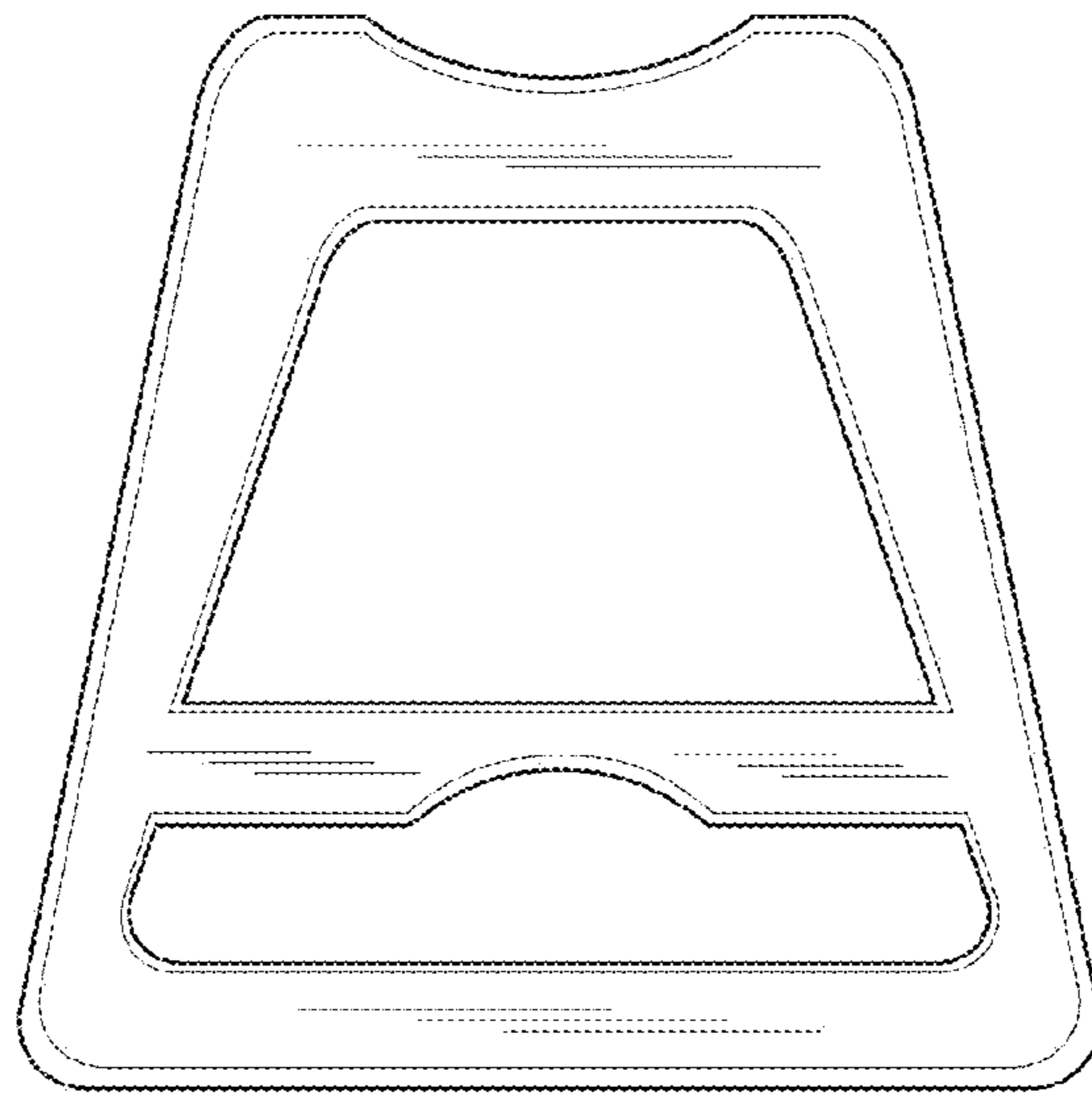


Fig. 3



Fig. 4

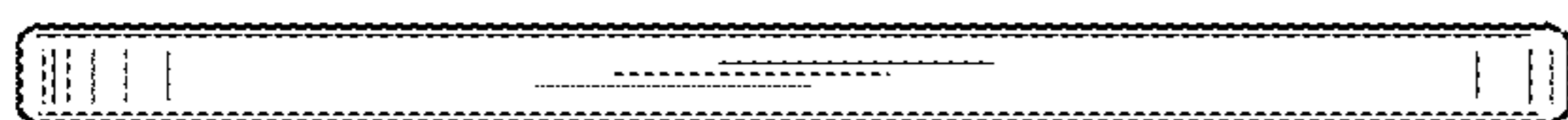


Fig. 5



Fig. 6



Fig. 7