



US00D886669S

(12) **United States Design Patent** (10) **Patent No.:** **US D886,669 S**
Spater (45) **Date of Patent:** **** Jun. 9, 2020**

(54) **D-RING**

(71) Applicant: **RADIO SYSTEMS CORPORATION**,
Knoxville, TN (US)

(72) Inventor: **Christopher Spater**, Burlington, VT
(US)

(73) Assignee: **Radio Systems Corporation**,
Knoxville, TN (US)

(**) Term: **15 Years**

(21) Appl. No.: **29/658,757**

(22) Filed: **Aug. 2, 2018**

(51) **LOC (12) Cl.** **02-07**

(52) **U.S. Cl.**
USPC **D11/218; D8/19**

(58) **Field of Classification Search**
USPC D2/624–640, 853, 976; D3/24, 213, 215,
D3/216, 230, 222; D8/14, 16, 19, 331,
D8/343, 349, 356, 358, 359, 360, 363,
D8/366, 371, 382, 394, 395, 367, 34;
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

CPC A44B 11/00; A44B 11/02; A44B 11/04;
A44B 11/05; A44B 11/06; A44B 11/10;
A44B 11/14; A44B 11/18; A44B 11/22;
A44B 11/26; A44B 11/125; A44B 11/233;
A44B 11/001; A44B 11/005; A44B
11/006; A44B 11/2503; A44B 11/2507;
A44B 11/2526; A44B 11/2553; A44B
11/2592; A44B 11/2519; A44B 11/2452;
A44B 13/00; A41F 1/008; A41F 9/002;
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)

Primary Examiner — Michelle E. Wilson

Assistant Examiner — Tracey J Bell

(74) *Attorney, Agent, or Firm* — Baker, Donelson,
Bearman, Caldwell & Berkowitz PC

(57) **CLAIM**

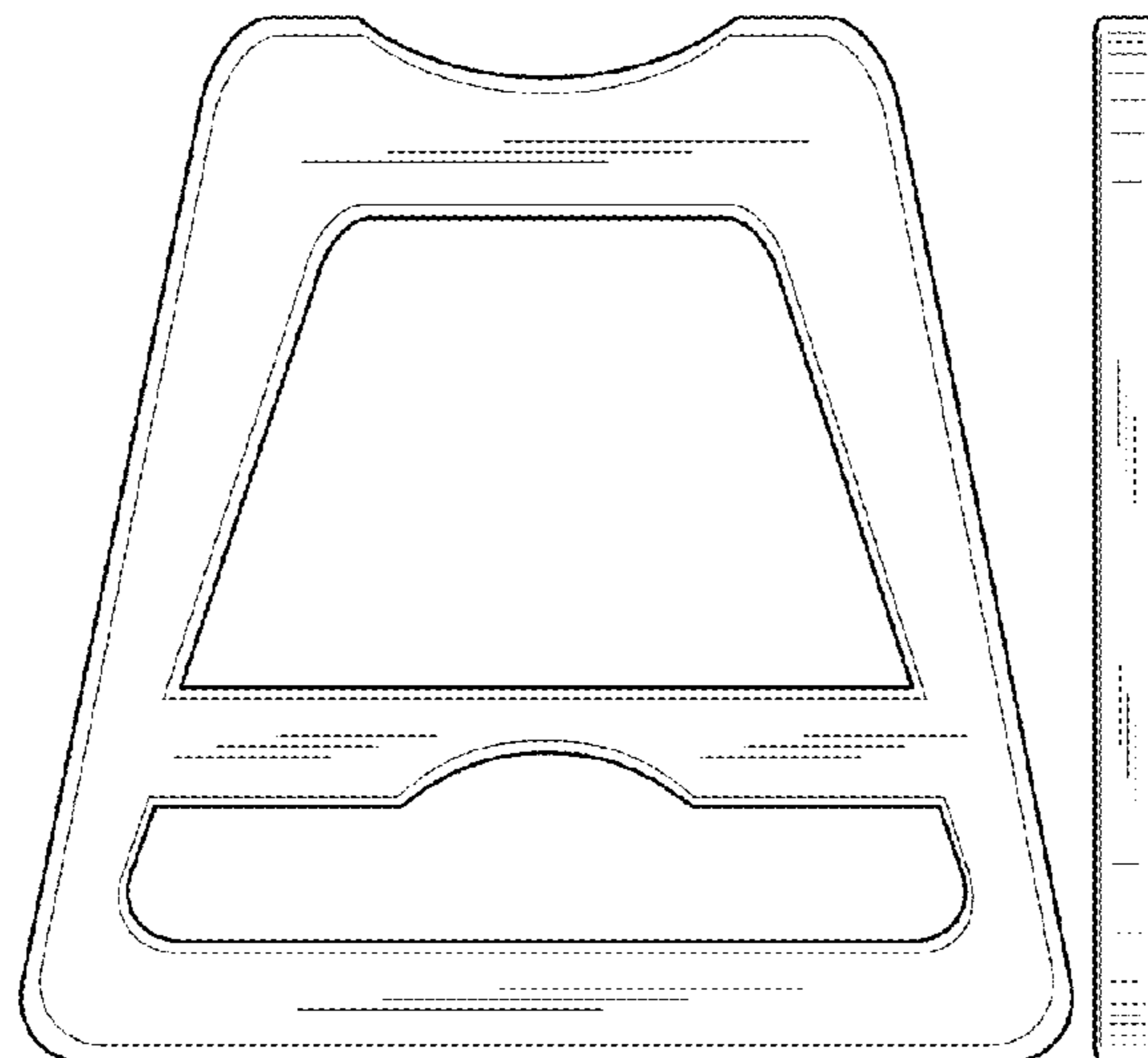
The ornamental design for a D-ring, as shown and described.

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



(56)

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	Bhavnani
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

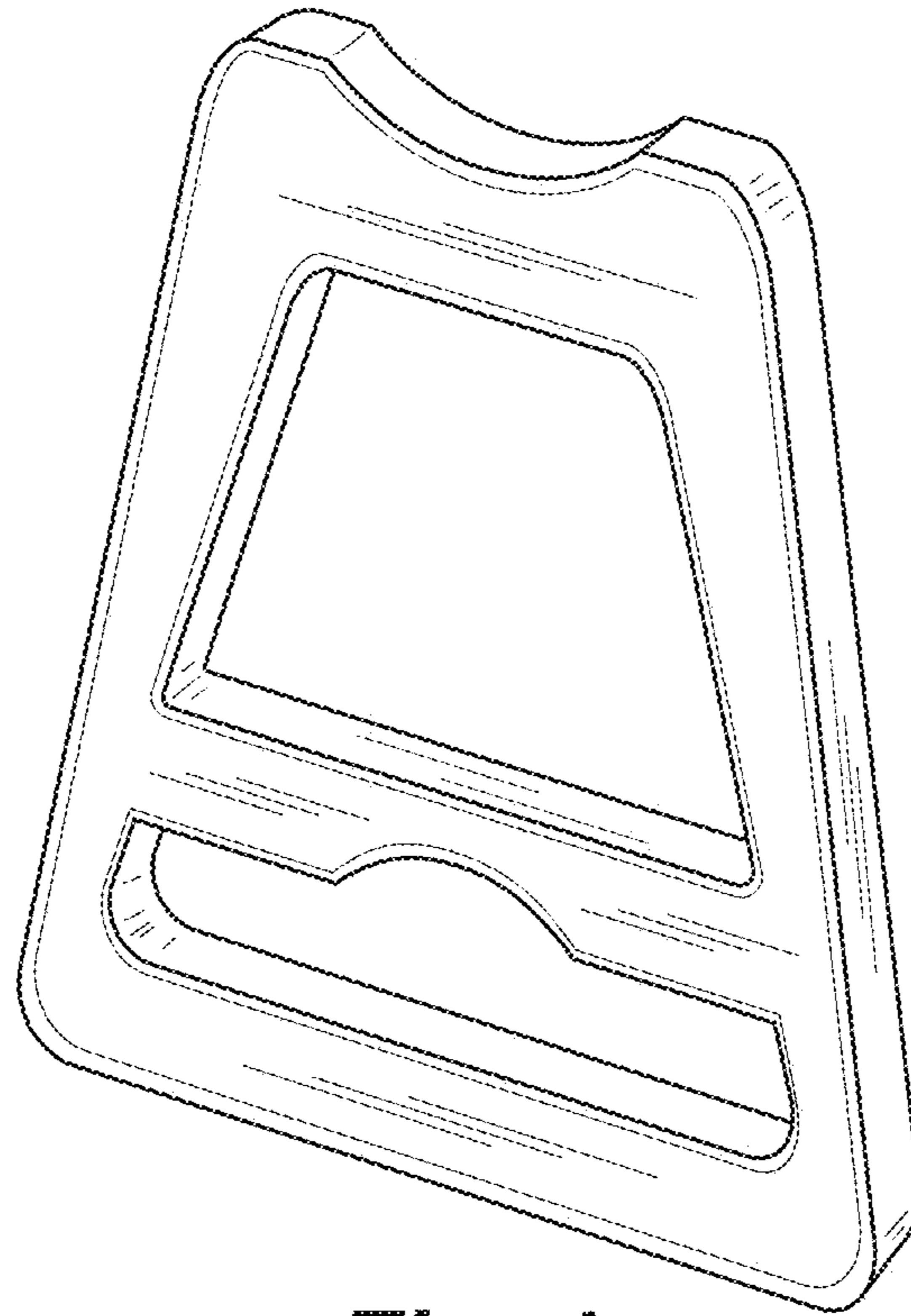


Fig. 1

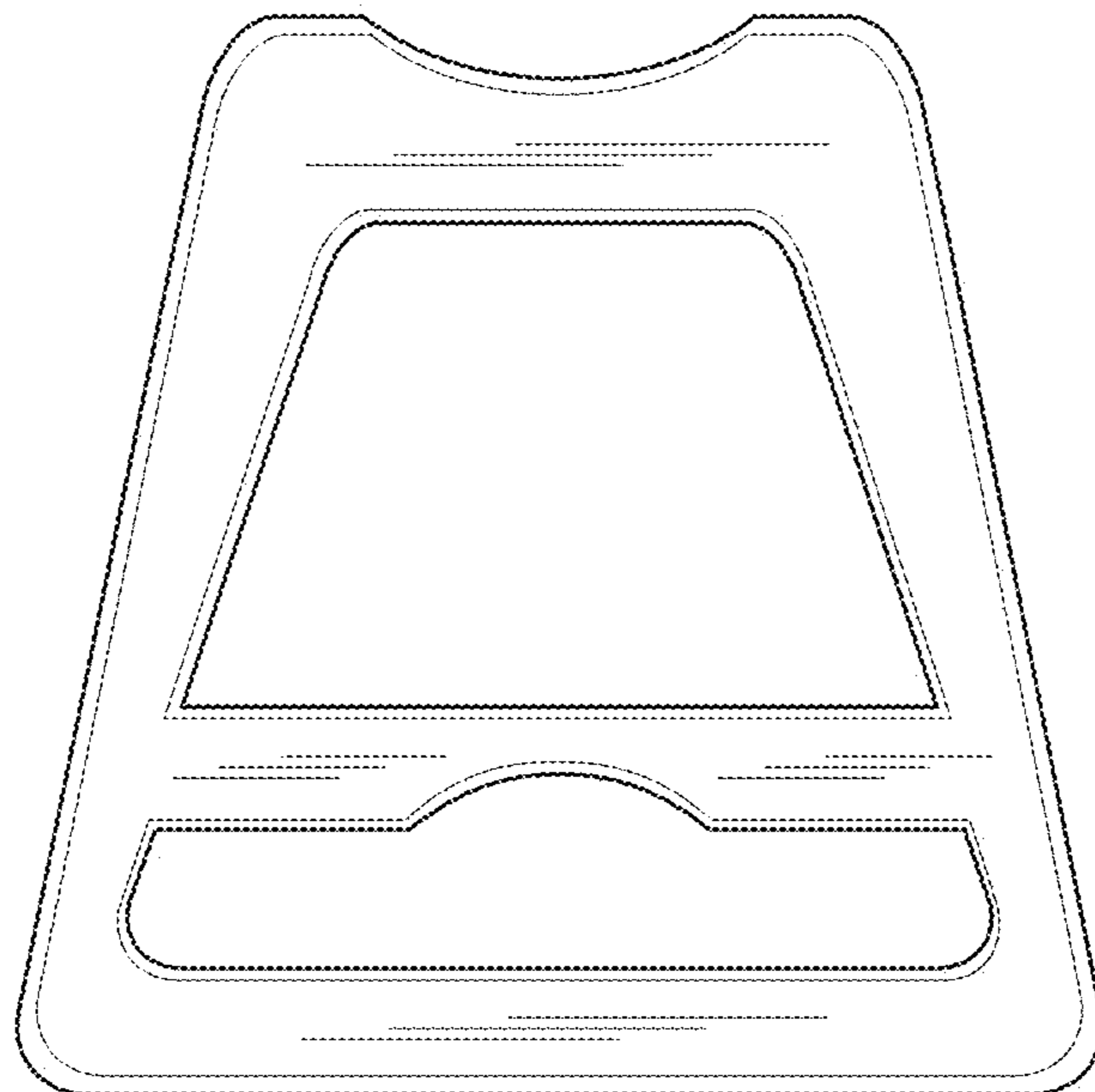


Fig. 2

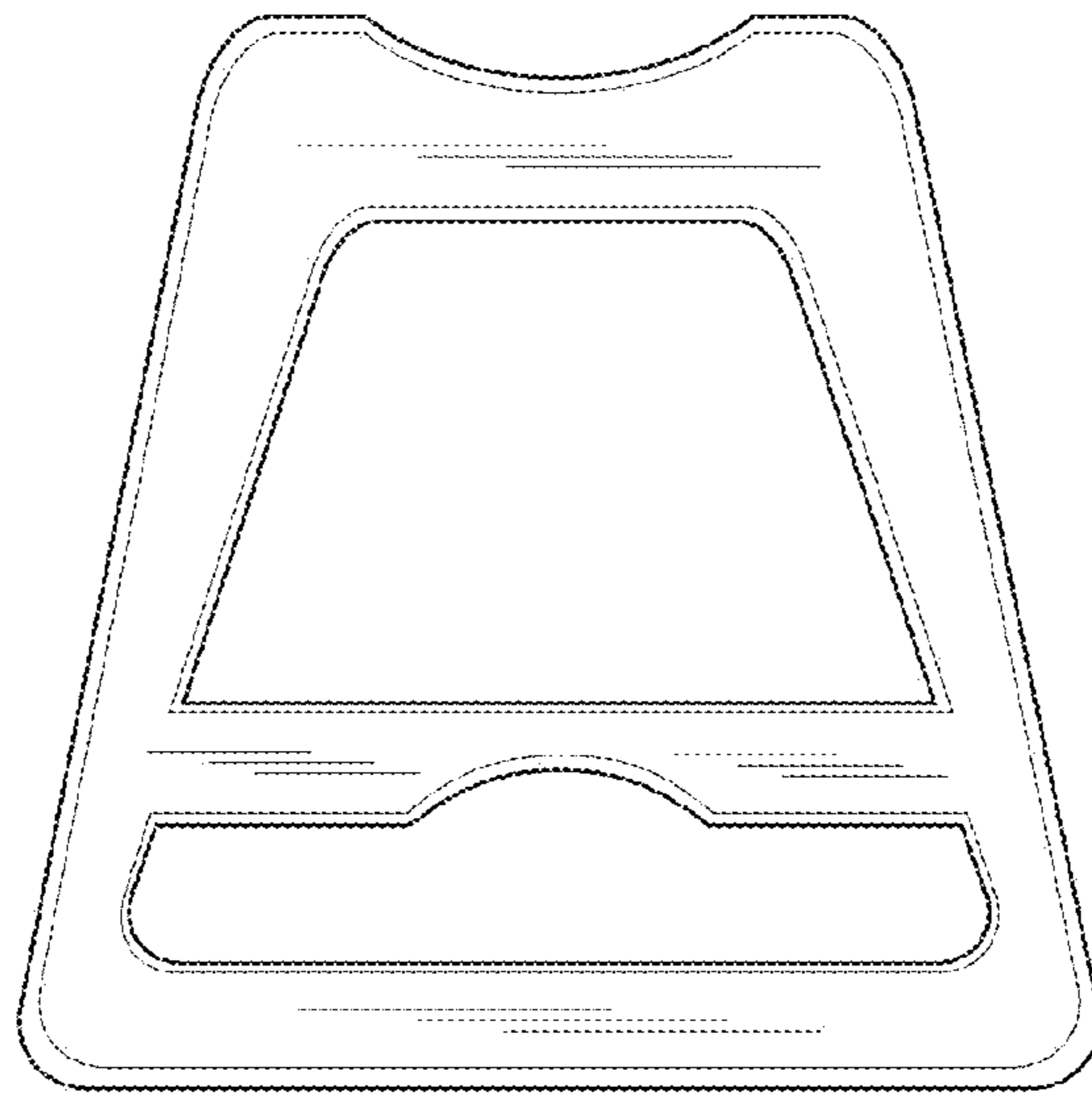


Fig. 3



Fig. 4

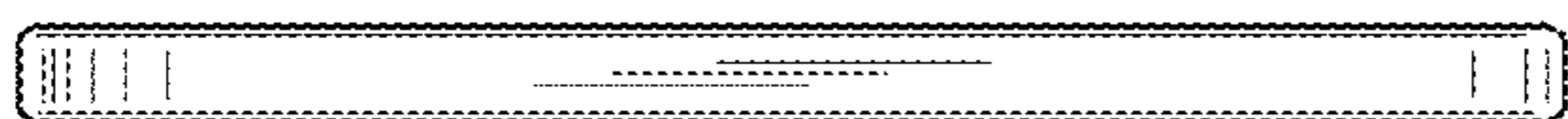


Fig. 5



Fig. 6

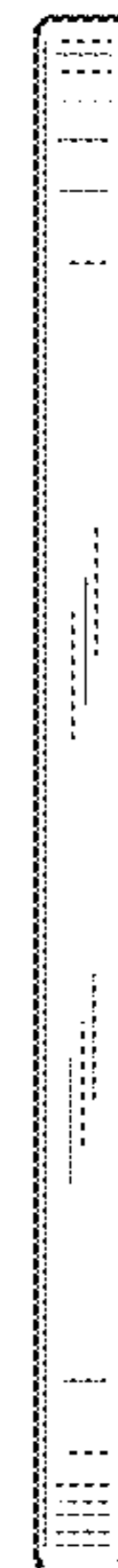


Fig. 7