



US00D781354S

(12) **United States Design Patent**  
**Kunz**

(10) **Patent No.:** **US D781,354 S**  
(45) **Date of Patent:** **\*\* Mar. 14, 2017**

(54) **TIP FOR A GROUND ENGAGING MACHINE IMPLEMENT**

(71) Applicant: **Caterpillar Inc.**, Peoria, IL (US)

(72) Inventor: **Phillip J. Kunz**, Morton, IL (US)

(73) Assignee: **Caterpillar Inc.**, Peoria, IL (US)

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

(21) Appl. No.: **29/548,443**

(22) Filed: **Dec. 14, 2015**

**Related U.S. Application Data**

(63) Continuation of application No. 29/519,223, filed on Mar. 3, 2015, now Pat. No. Des. 749,147, which is a continuation of application No. 29/462,285, filed on Aug. 1, 2013, now Pat. No. Des. 728,637.

(51) **LOC (10) Cl.** ..... **15-03**

(52) **U.S. Cl.**  
USPC ..... **D15/29**; D15/28

(58) **Field of Classification Search**  
USPC ..... D15/11, 28, 29; 37/456, 452, 450, 446, 37/454, 449, 453, 455, 903; 403/379.5, 403/DIG. 1; 111/152; 172/724, 730, 766, 172/770, 771, 721, 713, 699, 772  
CPC ..... Y10T 29/49826; Y10T 403/589; Y10T 403/7018; Y10T 403/7075; E02F 9/28; E02F

(Continued)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

1,220,186 A 3/1917 Chambers  
1,384,701 A 7/1921 McMonegal  
1,571,782 A 2/1926 Andrews

(Continued)

**FOREIGN PATENT DOCUMENTS**

CL 2068-1995 10/1996  
CL 391-1998 11/1998

(Continued)

**OTHER PUBLICATIONS**

Caterpillar Inc., Cat® K Series™ Tooth Systems, brochure (4 pages), 2006.

(Continued)

*Primary Examiner* — Mark Goodwin

(74) *Attorney, Agent, or Firm* — Saidman DesignLaw Group, LLC

(57) **CLAIM**

The ornamental design for a tip for a ground engaging machine implement, as shown and described.

**DESCRIPTION**

FIG. 1 is an upper, right-side perspective view of a tip for a ground engaging machine implement showing my new design;

FIG. 2 is a front view thereof;

FIG. 3 is a rear view thereof;

FIG. 4 is a right side view thereof, the left side view being a mirror image thereof;

FIG. 5 is a top view thereof;

FIG. 6 is a bottom view thereof; and,

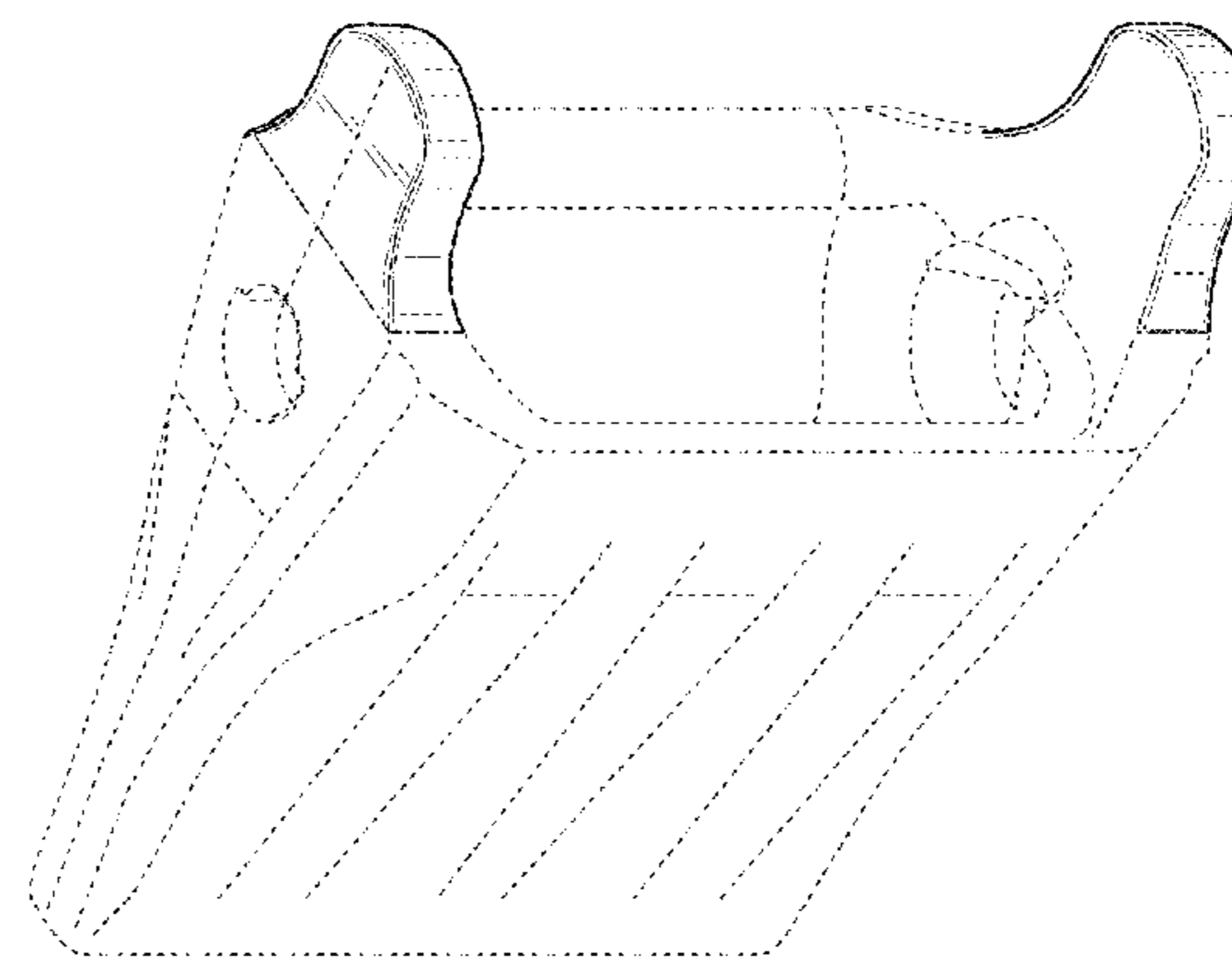
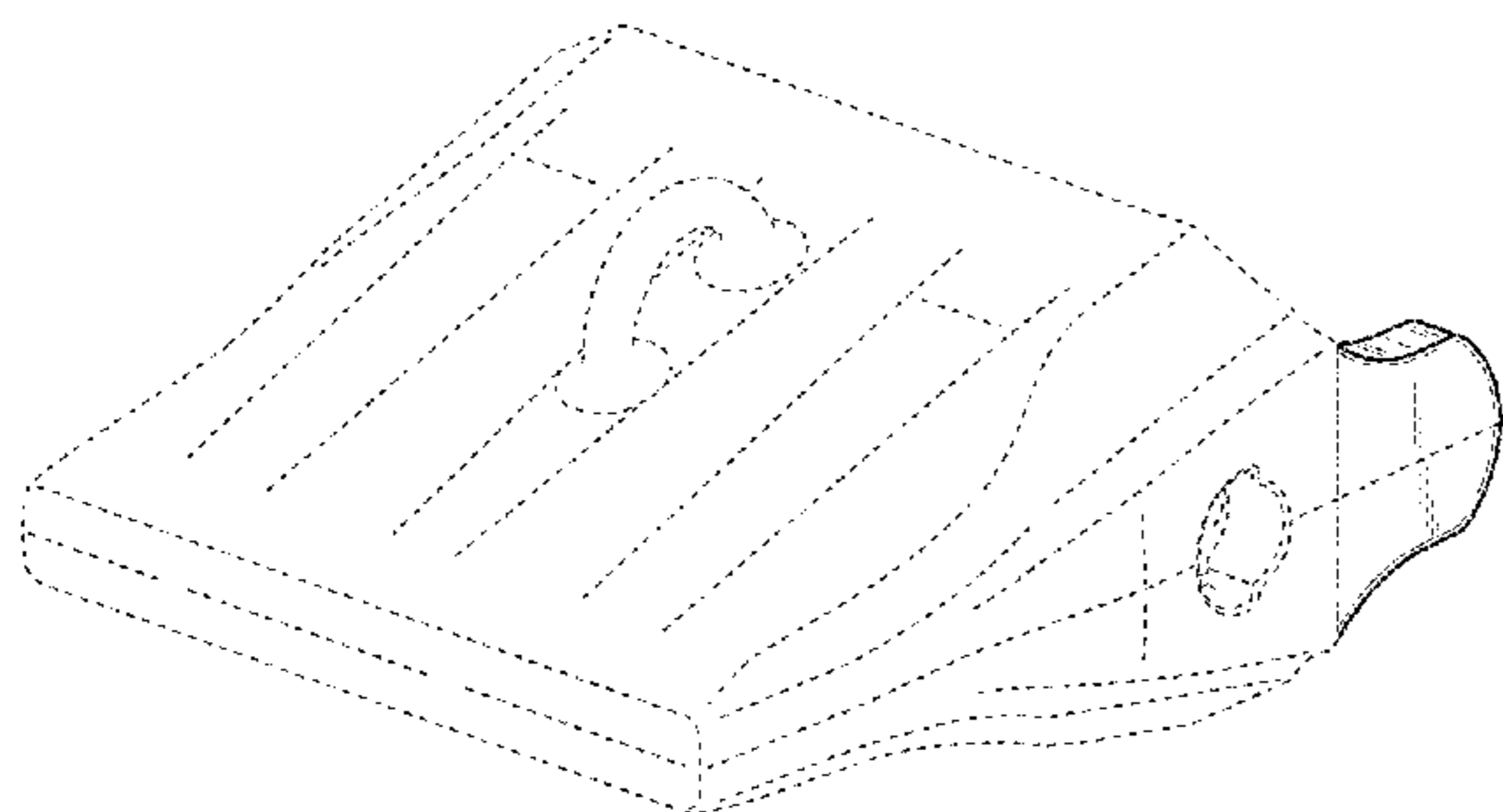
FIG. 7 is a bottom, right side perspective view thereof.

The relatively light and dark shade lines indicate contour and not surface decoration.

The dashed broken lines are for the purpose of illustrating portions of the tip of a ground engaging machine implement and form no part of the claimed design.

The dot-dash broken lines represent unclaimed boundaries and form no part of the claimed design.

**1 Claim, 5 Drawing Sheets**



- (58) **Field of Classification Search**  
 CPC ..... 9/2825; E02F 9/2833; E02F 9/2866; E02F  
 9/2858; E02F 9/2808; E02F 9/2841  
 See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,856,930	A	5/1932	Robin
2,427,651	A	9/1947	Baer
D182,143	S	2/1958	Petersen
2,982,035	A	5/1961	Stephenson
3,019,537	A	2/1962	Stephenson
3,312,004	A	4/1967	Johnson
3,623,247	A	11/1971	Stepe
3,774,324	A	11/1973	Lafond
3,823,496	A	7/1974	Querci et al.
3,832,077	A	8/1974	Von Mehren
3,967,399	A	7/1976	Heinold et al.
4,052,802	A	10/1977	Moen et al.
4,086,966	A	5/1978	Lanz et al.
4,128,132	A	12/1978	Moen et al.
4,182,057	A	1/1980	Klett et al.
4,231,173	A	11/1980	Davis
4,516,340	A	5/1985	Lauder
4,761,900	A	8/1988	Emrich
4,776,113	A	10/1988	Bedford et al.
4,848,013	A	7/1989	Bowman et al.
4,918,843	A	4/1990	Kiesewetter et al.
4,965,945	A	10/1990	Emrich
5,205,057	A	4/1993	Garman
D336,476	S	6/1993	Garman
D339,592	S	9/1993	Johansson
5,272,824	A	12/1993	Cornelius
5,386,653	A	2/1995	Cornelius
5,423,138	A	6/1995	Livesay et al.
D365,577	S	12/1995	Ruvang
5,561,925	A	10/1996	Livesay
5,634,285	A	6/1997	Renski
5,709,043	A	1/1998	Jones et al.
D391,583	S	3/1998	Moreno
5,743,033	A	4/1998	Gegel
5,806,216	A	9/1998	Renski
D399,511	S	10/1998	Lauder et al.
5,896,911	A	4/1999	Gegel
D413,338	S	8/1999	Pueyo Molina
5,937,550	A	8/1999	Emrich
D414,193	S	9/1999	Lauder et al.
5,983,534	A	11/1999	Robinson et al.
5,992,063	A	11/1999	Mack
6,085,448	A	7/2000	Gale et al.
6,092,958	A	7/2000	Gale
6,145,224	A	11/2000	Stickling
6,321,471	B2	11/2001	Fernandez Muñoz et al.
D454,891	S	3/2002	Ketting et al.
D458,614	S	6/2002	Esterhuyse et al.
D460,464	S	7/2002	Ketting et al.
D461,832	S	8/2002	Ketting et al.
6,457,269	B1	10/2002	Esterhuyse et al.
6,477,796	B1	11/2002	Cornelius
6,766,602	B2	7/2004	Cox et al.
6,865,828	B1	3/2005	Molino et al.
6,871,426	B2	3/2005	Keech et al.
7,100,315	B2	9/2006	Carpenter et al.
7,219,454	B2	5/2007	Maher
D552,632	S	10/2007	De Martiis
D560,232	S	1/2008	De Martiis
7,762,015	B2	7/2010	Smith et al.
D624,943	S	10/2010	Gibbon
8,117,772	B2	2/2012	Harder et al.
8,122,622	B2	2/2012	Smith et al.
8,127,475	B2	3/2012	Harder et al.
8,170,756	B2	5/2012	Morey et al.
8,229,631	B2	7/2012	Morey et al.
8,393,097	B2	3/2013	Harder et al.
D706,307	S	6/2014	Renski et al.
D706,311	S	6/2014	Renski et al.

D706,312	S	6/2014	Renski et al.
D706,839	S	6/2014	Renski et al.
D706,840	S	6/2014	Renski et al.
D707,263	S	6/2014	Renski et al.
D707,264	S	6/2014	Renski et al.
D727,367	S	4/2015	Renski et al.
D727,368	S	4/2015	Renski et al.
D727,369	S	4/2015	Renski et al.
D727,979	S	4/2015	Renski et al.
D727,980	S	4/2015	Renski et al.
D727,981	S	4/2015	Renski et al.
D727,982	S	4/2015	Renski et al.
D728,635	S	5/2015	Kunz
D728,636	S	5/2015	Kunz
2002/0195259	A1	12/2002	Satzler
2004/0010949	A1	1/2004	Laguarda et al.
2007/0204490	A1	9/2007	Jones et al.
2008/0148608	A1	6/2008	Harder et al.
2008/0201997	A1	8/2008	Armstrong
2009/0282711	A1	11/2009	Naher et al.
2011/0035970	A1	2/2011	Smith et al.
2011/0035971	A1	2/2011	Smith et al.
2011/0035972	A1	2/2011	Harder et al.
2012/0186113	A1	7/2012	Harder et al.
2012/0210612	A1	8/2012	Harder et al.
2012/0297649	A1	11/2012	Gomar
2015/0033596	A1	2/2015	Kunz

FOREIGN PATENT DOCUMENTS

CL	1193-1999	9/1999
CL	223-1999	11/1999
CL	1457-1999	11/1999
CL	1583-1999	6/2000
CL	2671-2005	7/2006
CL	3115-2005	9/2006
CL	3116-2005	9/2006
CL	173-2008	8/2008
CL	174-2008	8/2008
CL	2524-2008	1/2009
CL	1764-2008	7/2009
CL	618-2010	11/2010
CL	739-2010	12/2010
CL	291-2012	11/2012
EM	000089099-	10/2003
	0001-0003	
EM	000877477-	1/2008
	0001-0009	
EM	000895396-	3/2008
	0001-0015	
GB	1049195	3/1988
GB	1050103	4/1988
GB	2010025	4/1990
GB	2010026	4/1990
GB	2057051	12/1995
GB	2057052	12/1995
GB	2057053	12/1995
GB	2060104	4/1996
GB	2060105	4/1996
GB	2057055	5/1996
GB	2091441	10/1999
GB	2091502	10/1999
GB	2095654	3/2000
GB	2097590	3/2000
GB	2097591	4/2000
GB	2097592	4/2000
GB	2097593	5/2000
GB	2104929	3/2001
GB	2106421	4/2001

OTHER PUBLICATIONS

Hensley Industries, Inc., Extreme Service™, Specification Guide, Mining Teeth and Adapters, (X585-X5342 Series, TS922-TS1222 Series, XSC12 and XSC127, Mar. 2011, (31 pages).  
 ESCO® Corp., Nemisys®, Mining Lip System, © 2013 (5 pages).  
 ESCO® Corp., ESCO Posilok® Plus Mining Tooth System, © 2009 (4 pages).

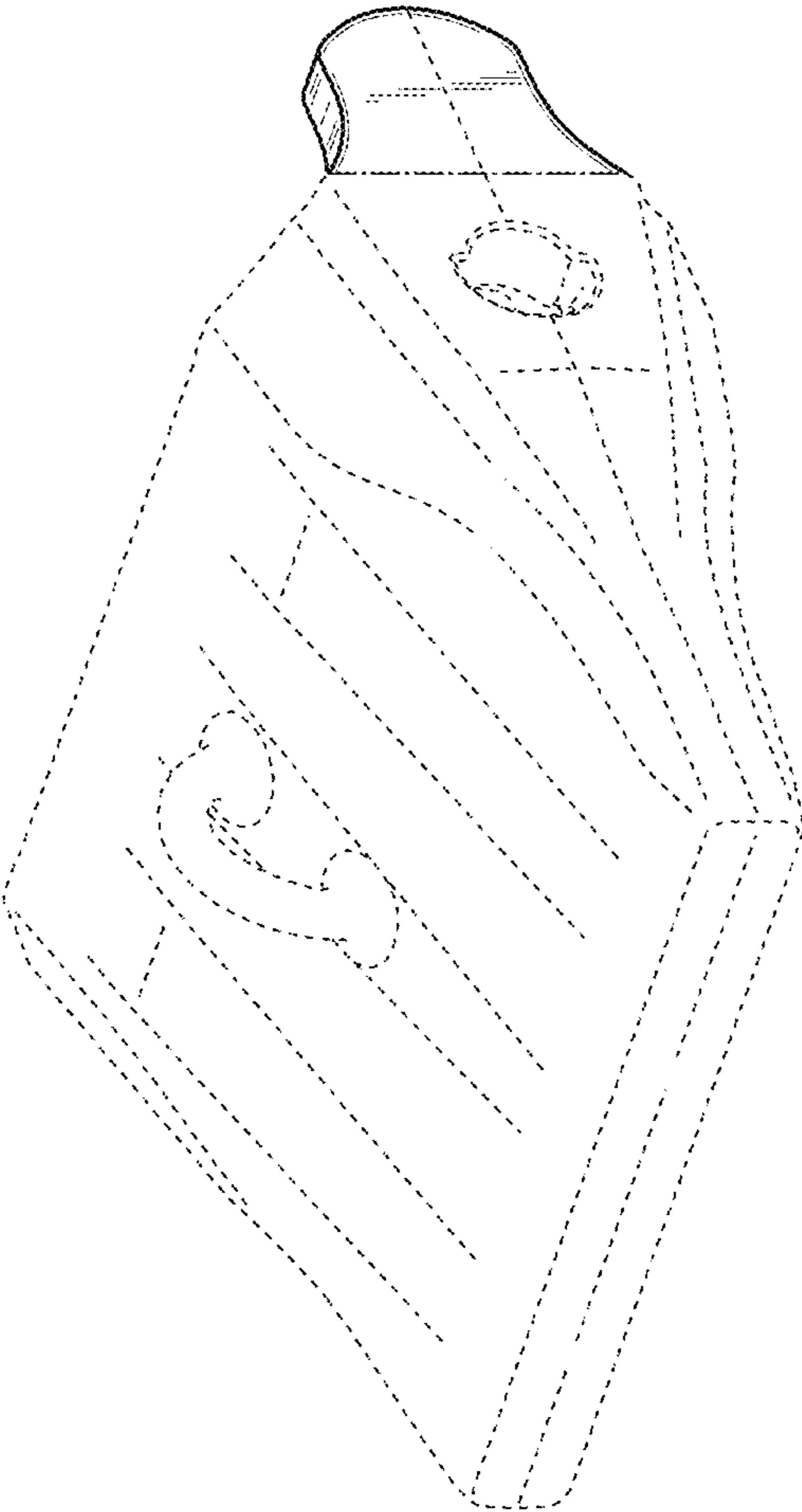


Fig. 1

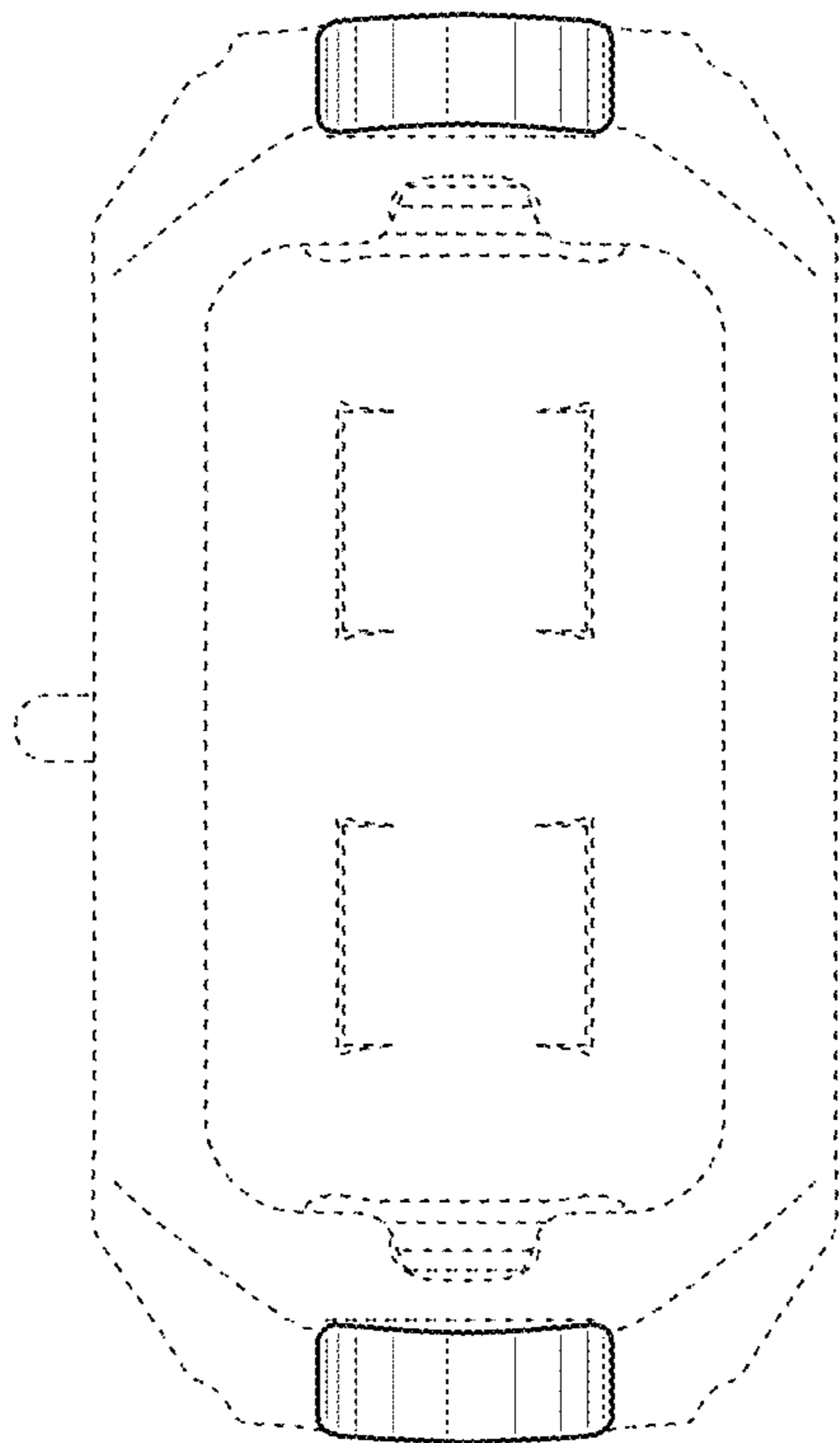


Fig. 3

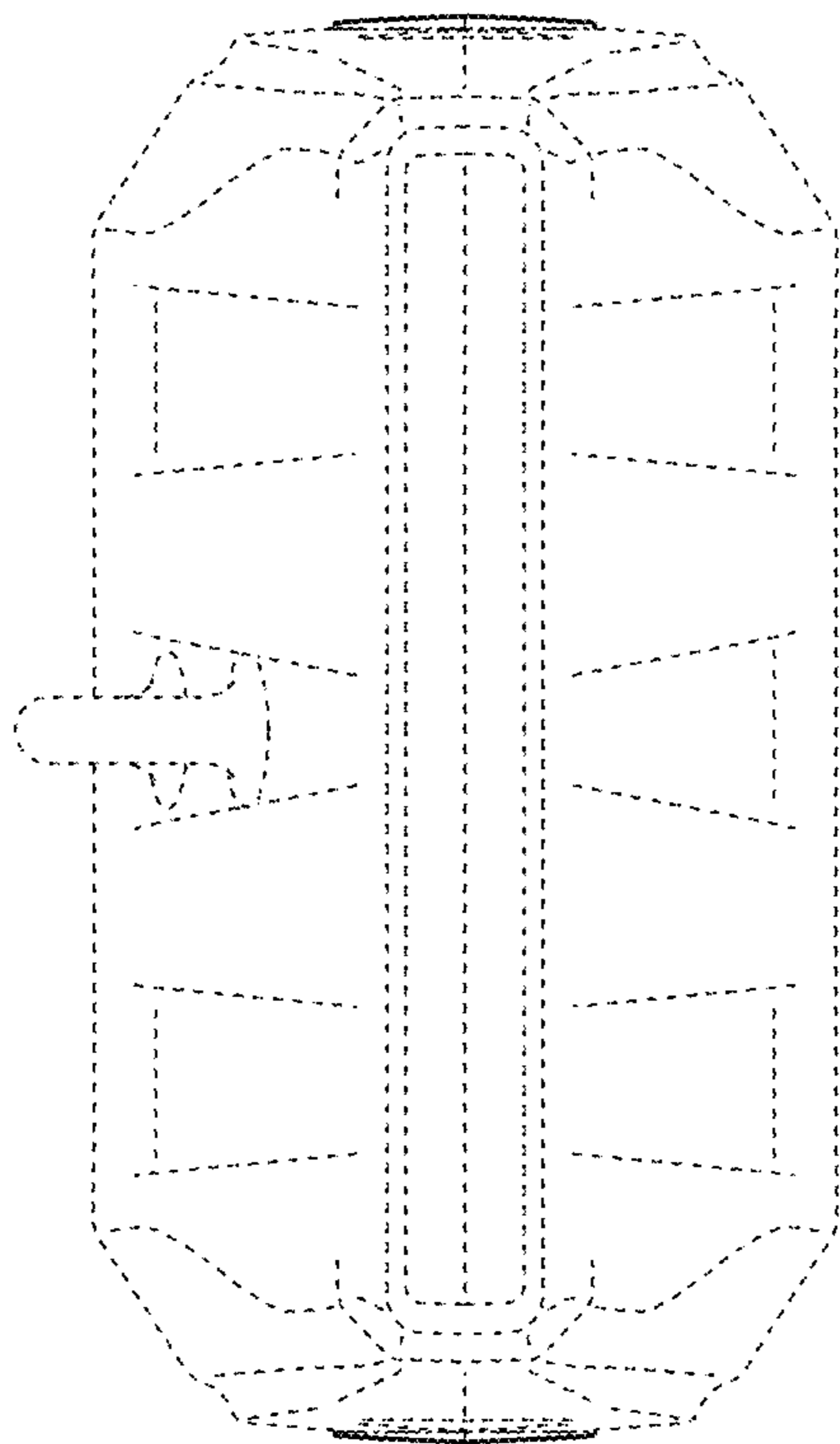


Fig. 2

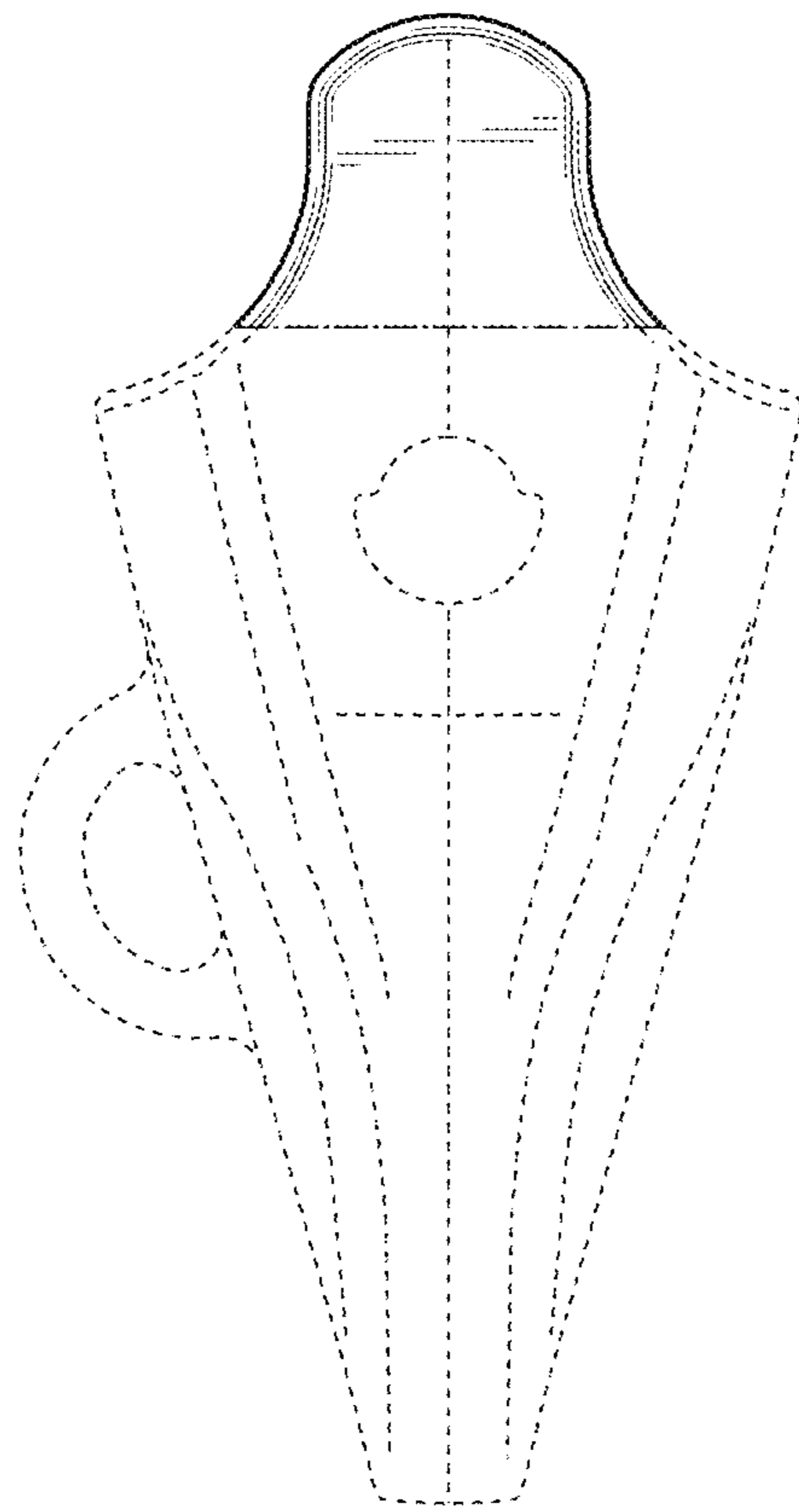


Fig. 4

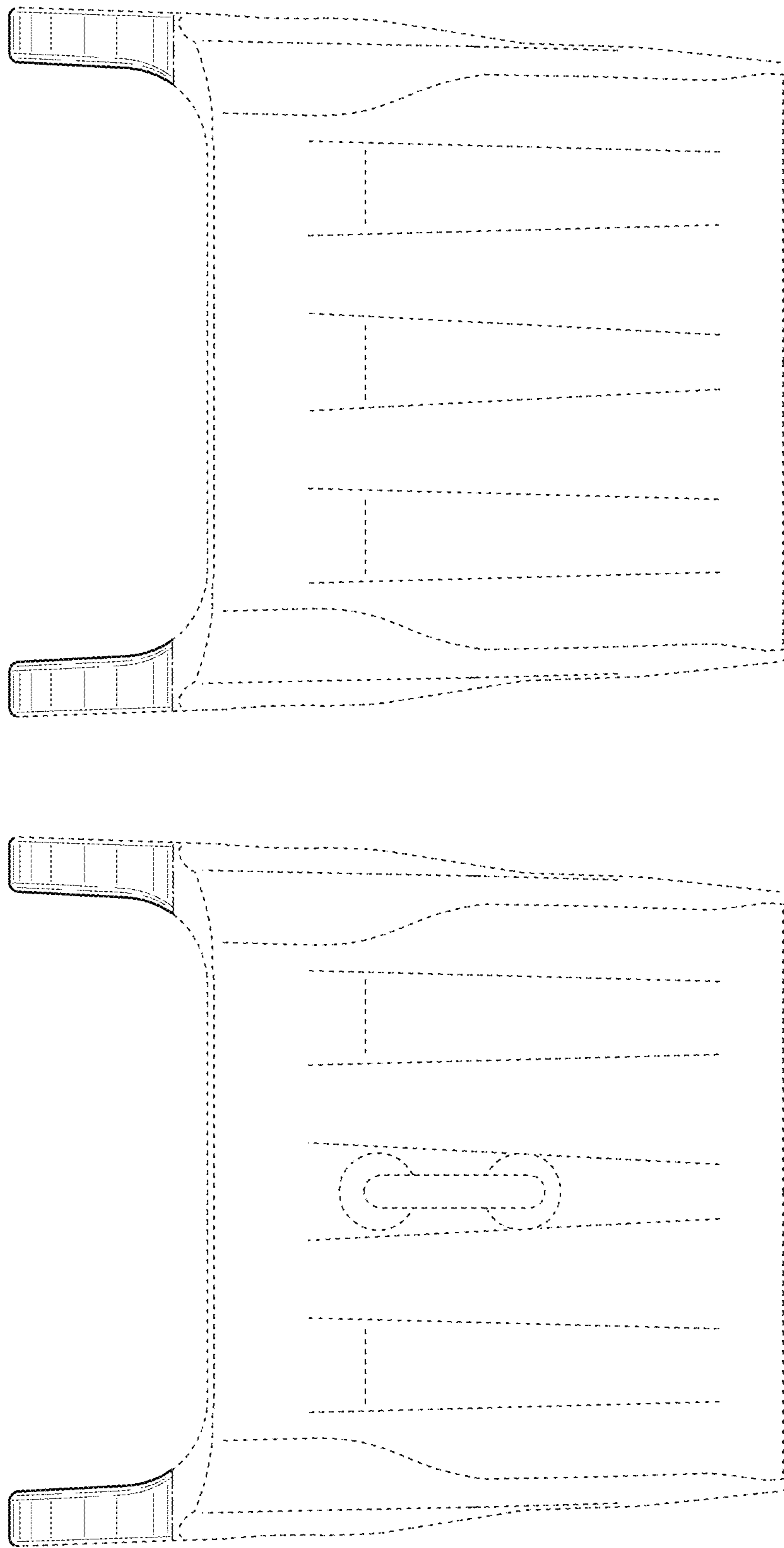


Fig. 6

Fig. 5

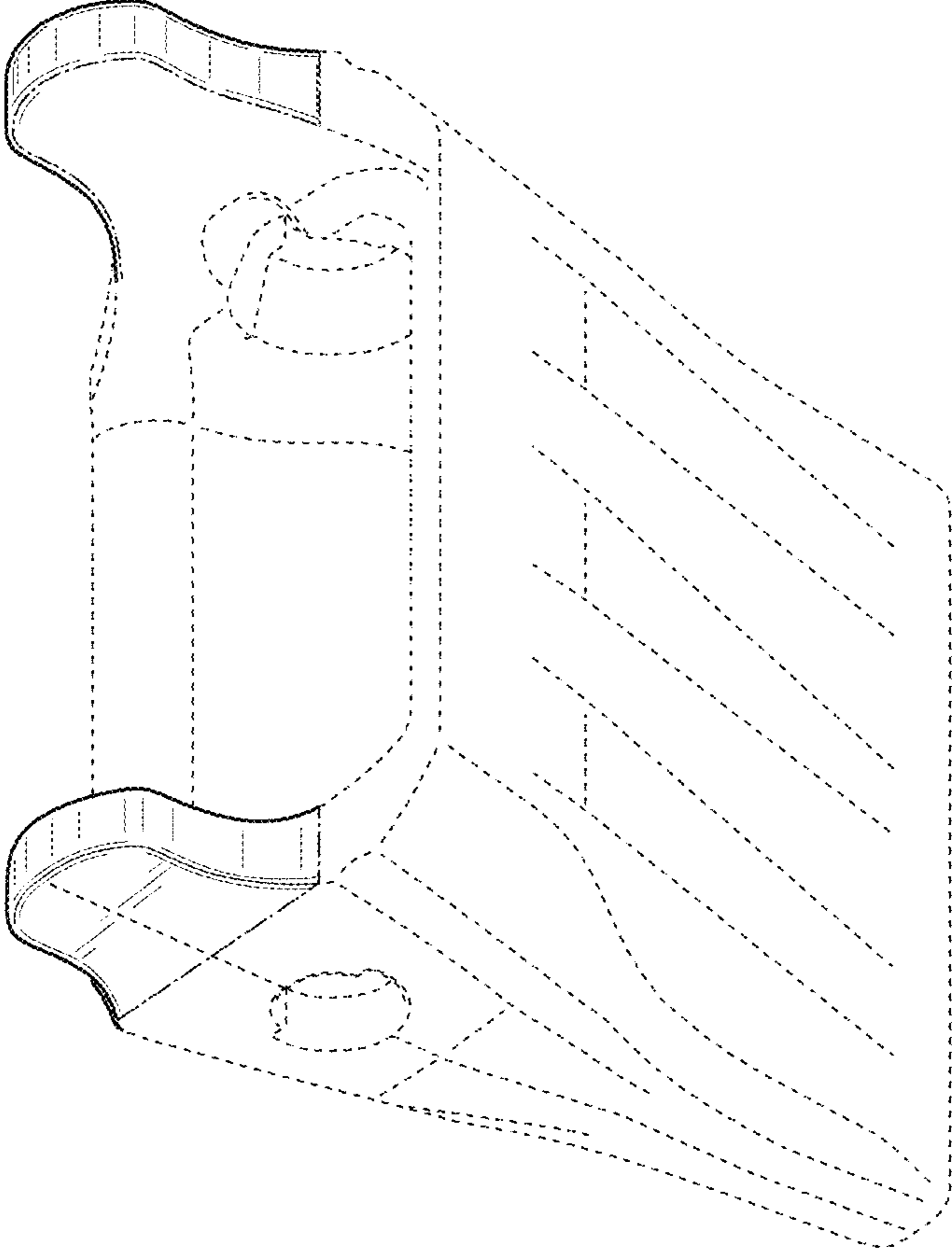


Fig. 7