



US00D874068S

(12) **United States Design Patent**
Hall et al.

(10) **Patent No.:** **US D874,068 S**
(45) **Date of Patent:** **** Jan. 28, 2020**

(54) **MANDIBLE GUARD**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **RM Soldier Systems, Ltd.**,
Wilmington, DE (US)

CN 3026842 D 8/1994
CN 3224454 D 2/2002

(Continued)

(72) Inventors: **Edward R. Hall**, Starksboro, VT (US);
Stéphane Lebel, St. Redempteur (CA);
Dominic Giroux Bernier, St-Gabriel de
Brandon (CA); **Bastien Jourde**,
Montréal (CA); **Philippe Lefebvre**,
Montréal (CA); **Hugues Rivest**,
Montréal (CA)

OTHER PUBLICATIONS

U.S. Appl. No. 29/579,739, filed Oct. 3, 2016, Hall et al.
(Continued)

Primary Examiner — Elizabeth J Oswecki

(74) *Attorney, Agent, or Firm* — Wolf, Greenfield &
Sacks, P.C.

(73) Assignee: **RM Soldier Systems, Ltd.**,
Wilmington, DE (US)

(57) **CLAIM**

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

The ornamental design for a mandible guard, as shown and
described.

(21) Appl. No.: **29/638,268**

DESCRIPTION

(22) Filed: **Feb. 26, 2018**

Related U.S. Application Data

(62) Division of application No. 29/579,739, filed on Oct.
3, 2016, now Pat. No. Des. 814,707.

(51) **LOC (12) Cl.** **29-02**

(52) **U.S. Cl.**
USPC **D29/122**

(58) **Field of Classification Search**
USPC D29/100, 102, 106, 108, 110, 122;
D2/865, 880, 881; 2/455, 456, 410, 7, 8,
(Continued)

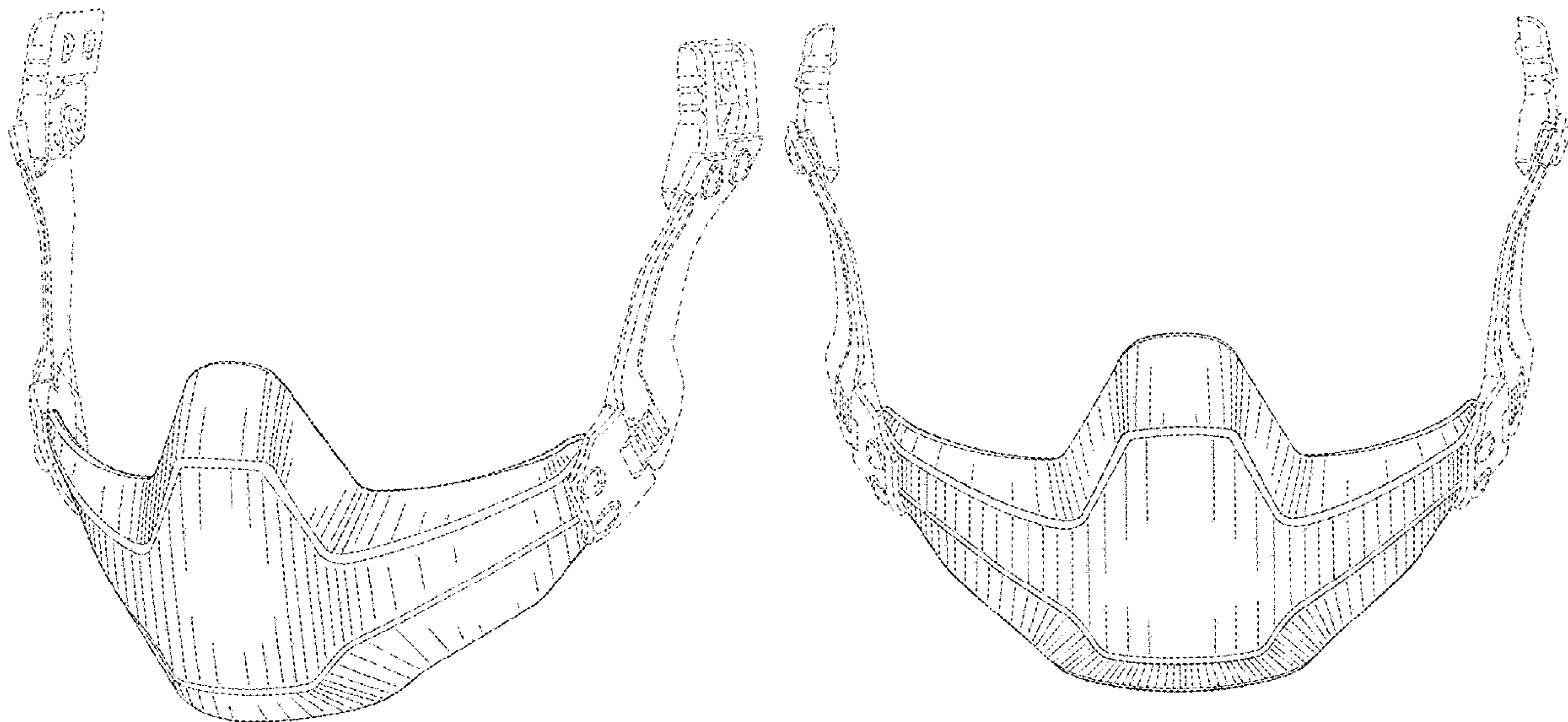
FIG. 1 is a top, front, right side perspective view of a first
embodiment of a mandible guard, showing our new design;
FIG. 2 is a front elevation view thereof;
FIG. 3 is a rear elevation view thereof;
FIG. 4 is a left side elevation view thereof;
FIG. 5 is a right side elevation view thereof;
FIG. 6 is a top plan view of thereof;
FIG. 7 is a bottom plan view of thereof;
FIG. 8 is a top, front, right side perspective view of a second
embodiment of a mandible guard, showing our new design;
FIG. 9 is a front elevation view of FIG. 8;
FIG. 10 is a rear elevation view of FIG. 8;
FIG. 11 is a left side elevation view of FIG. 8;
FIG. 12 is a right side elevation view of FIG. 8;
FIG. 13 is a top plan view of FIG. 8; and,
FIG. 14 is a bottom plan view of FIG. 8.
The broken lines illustrate portions of the mandible guard
that form no part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D229,127 S 11/1973 Franklin
3,886,596 A 6/1975 Franklin et al.
(Continued)

1 Claim, 10 Drawing Sheets



(58) **Field of Classification Search**

USPC 2/2, 424, 425, 9, 468, 171, 205, 206;
128/201.23, 857
CPC A41D 13/05; A41D 13/11; A41D 13/1107;
A41D 13/1161; A41D 13/113; A41D
13/1138; A41D 13/1146; A42B 3/18;
A42B 3/20; A42B 3/205; A42B 3/32;
A42B 3/326; A42B 3/00; A42B 3/04;
A42B 3/0406; A42B 3/08; A42B 3/085;
A42B 1/008; A61F 9/06; A63B 71/08;
A63B 71/085; A63B 71/10; A63B 71/12;
A63B 71/1291

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D243,127	S	1/1977	Farquharson	
D243,128	S	1/1977	Morgan	
D246,012	S	10/1977	Minette	
4,250,577	A	2/1981	Smith	
5,003,632	A	4/1991	Claude	
D406,402	S	3/1999	Simpson	
6,289,521	B1	9/2001	Ikeda	
D499,213	S	11/2004	Lee	
D526,092	S	8/2006	Egger et al.	
D536,833	S	2/2007	Broersma	
7,181,777	B2*	2/2007	Choi	A42B 3/222 2/424
D548,893	S *	8/2007	Hedge	D29/122
D556,386	S	11/2007	Lee	
D560,315	S	1/2008	Wong	
D584,010	S	12/2008	Fernandes et al.	
D587,858	S	3/2009	Brace et al.	
D592,811	S	5/2009	Juhlin	
D602,648	S	10/2009	Isobe	
D632,439	S	2/2011	Lebel et al.	
D632,440	S *	2/2011	Lebel	D29/122
7,908,667	B2	3/2011	Rogers et al.	
D638,168	S *	5/2011	Lebel	D29/107
D638,172	S	5/2011	Lebel et al.	
D657,497	S	4/2012	Schiebl	
D672,683	S	12/2012	Klotz et al.	
D674,560	S	1/2013	Klotz et al.	
D684,320	S	6/2013	Mateu	
D687,190	S	7/2013	Isobe	
D692,189	S	10/2013	Isobe	
D701,002	S	3/2014	Lebel et al.	
D703,874	S	4/2014	Lebel	
D709,653	S *	7/2014	Lebel	D29/122
D711,051	S	8/2014	Noordzij et al.	
8,793,816	B2	8/2014	Emrich et al.	
D715,005	S	10/2014	Schiebl	
D724,791	S *	3/2015	Cram	A42B 3/32 D29/122
D738,049	S	9/2015	Gee	
D740,496	S	10/2015	Noordzij et al.	
D747,560	S	1/2016	Daniels et al.	
D748,347	S	1/2016	Noordzij et al.	
D749,796	S *	2/2016	Barmore	D29/122
D767,214	S	9/2016	Shida et al.	
D768,940	S	10/2016	Steffens	
D781,506	S *	3/2017	Lebel	D29/122

9,700,096	B2	7/2017	McGinn et al.	
D795,502	S *	8/2017	Lebel	D29/122
9,788,593	B2	10/2017	Lebel et al.	
D814,707	S	4/2018	Hall et al.	
D822,289	S *	7/2018	O'Connell	D29/122
D827,938	S *	9/2018	Lebel	D29/122
D834,762	S *	11/2018	Berggren	D29/122
D840,113	S *	2/2019	O'Connell	D29/122
D850,014	S *	5/2019	O'Connell	D29/122
2005/0015861	A1*	1/2005	Gafforio	A42B 3/326 2/424
2006/0206995	A1	9/2006	Hong et al.	
2007/0083967	A1*	4/2007	Crossman	A42B 3/044 2/15
2007/0124842	A1	6/2007	Nascimento et al.	
2007/0250993	A1*	11/2007	Schimpf	A42B 3/326 2/424
2009/0107514	A1	4/2009	Winningham	
2009/0144872	A1*	6/2009	Lebel	A42B 3/221 2/6.7
2010/0064405	A1*	3/2010	McGovern	A42B 3/225 2/6.7
2011/0033406	A1	2/2011	Finan et al.	
2012/0117717	A1	5/2012	McGinn et al.	
2012/0204331	A1*	8/2012	Lebel	G02C 3/02 2/422
2012/0317706	A1*	12/2012	Lebel	F41H 1/08 2/422
2014/0033406	A1	2/2014	Lebel et al.	
2014/0075654	A1	3/2014	McGinn et al.	
2015/0135417	A1	5/2015	Lebel et al.	
2015/0342283	A1	12/2015	Lebel et al.	

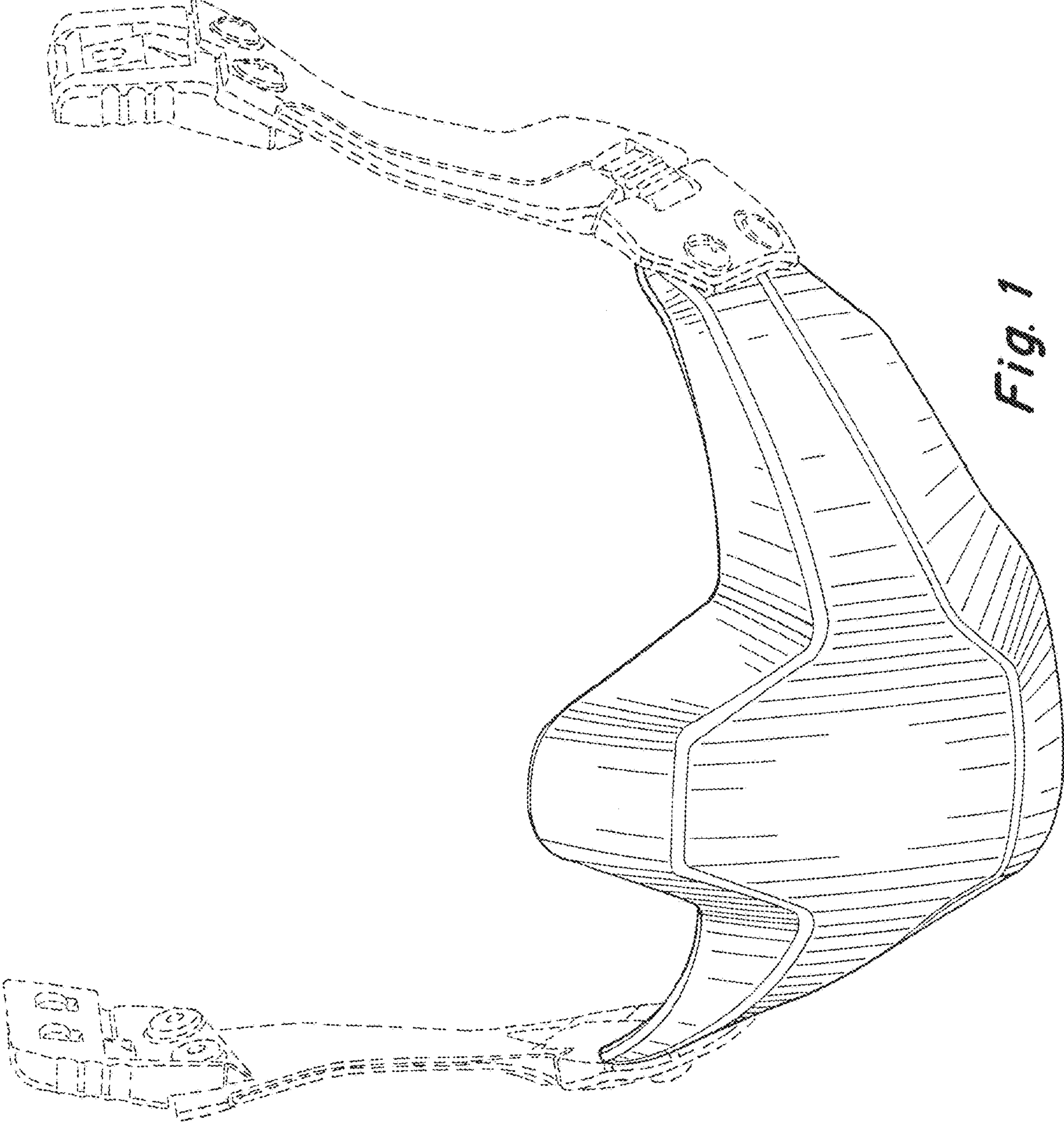
FOREIGN PATENT DOCUMENTS

CN	300874498	D	1/2009
CN	300898015	D	4/2009
CN	301525166	S	4/2011
CN	302024220	S	8/2012
CN	302224937	S	12/2012
CN	303121827	S	3/2015
CN	303279814	S	7/2015
CN	303798391	S	8/2016
CN	D1556467	S	8/2016
JP	D1302028		5/2007
KR	30-0346705		3/2004
KR	30-0837445		2/2016

OTHER PUBLICATIONS

U.S. Appl. No. 29/638,283, filed Feb. 26, 2018, Hall et al.
U.S. Appl. No. 15/284,454, filed Oct. 3, 2016, Desjardins et al.
U.S. Appl. No. 15/284,504, filed Oct. 3, 2016, Hall et al.
[No Author Listed], Moto Visor & Mandible for Sentry Image. NFM Group. Accessed Sep. 30, 2016. Available at: <http://www.nfm.no/moto-visor--mandible-for-sentry,p.html>. 2 pages.
[No Author Listed], Moto Visor & Mandible for Sentry. NFM Group. Accessed Sep. 30, 2016. Available at: <http://www.nfm.no/moto-visor--mandible-for-sentry,p.html>. 2 pages.
[No Author Listed], System Capabilities. NFM Group. Accessed Sep. 30, 2016. Available at: <http://www.nfm.no/ops-core/system-capabilities.html>. 3 pages.

* cited by examiner



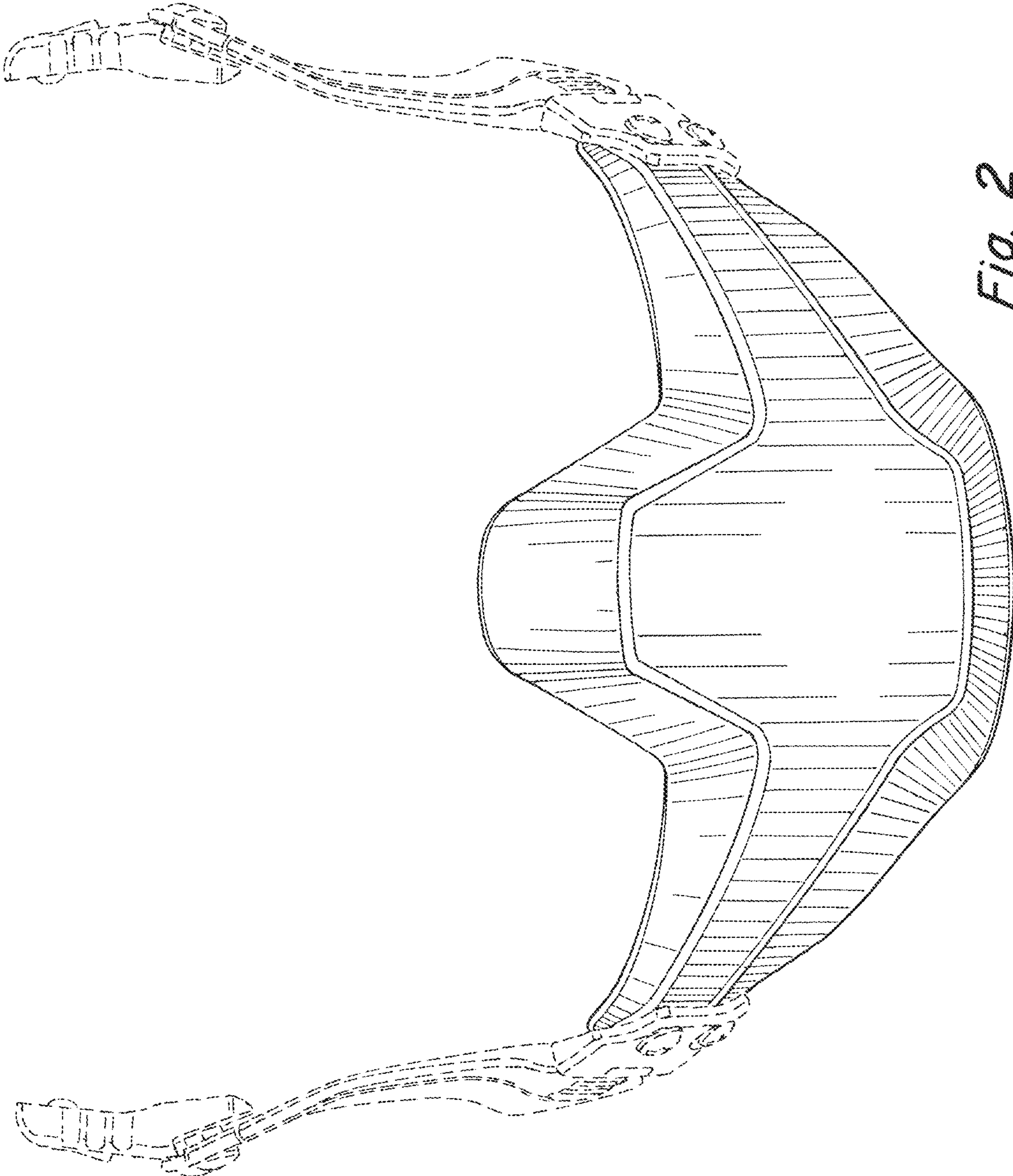
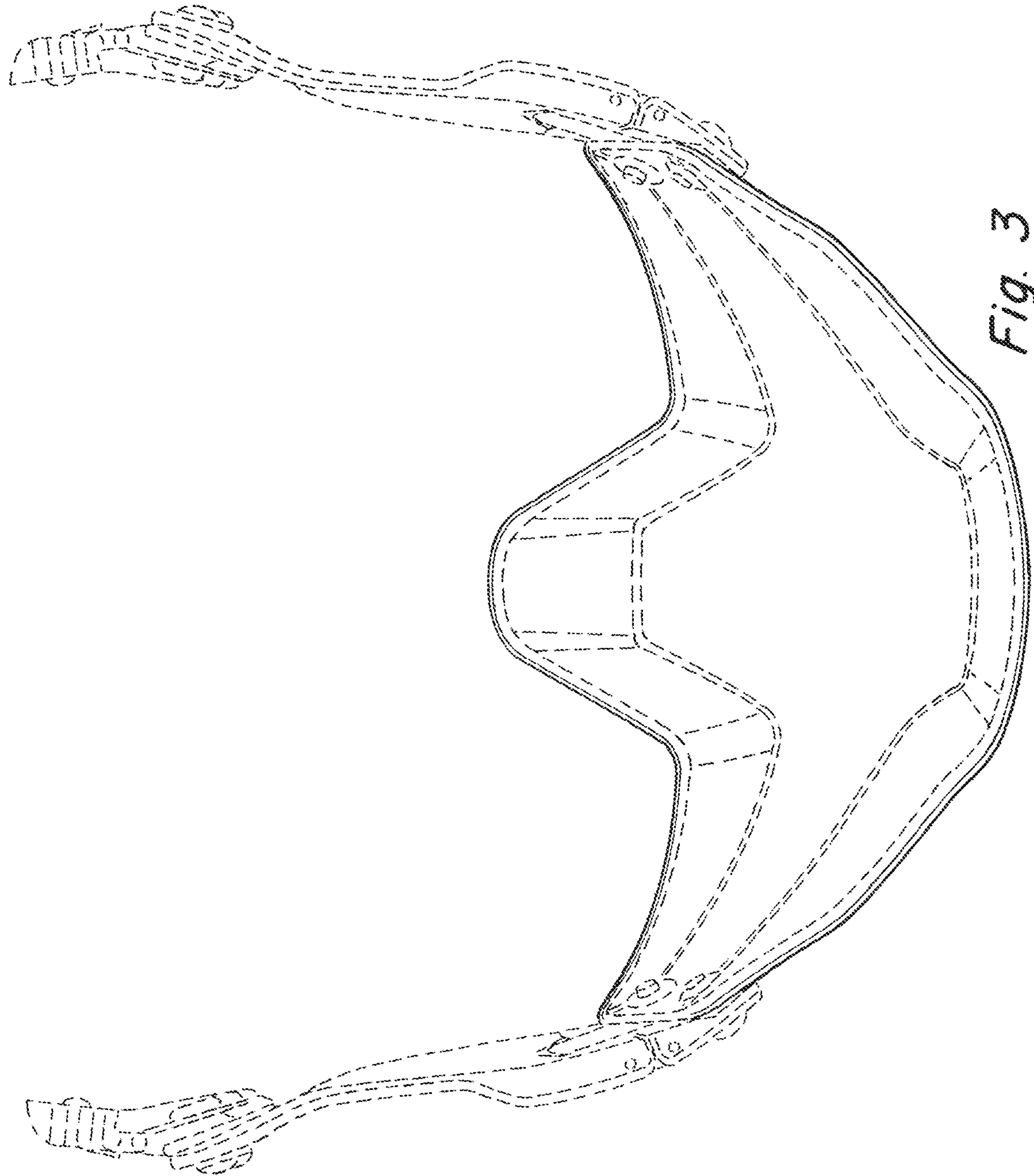


Fig. 2



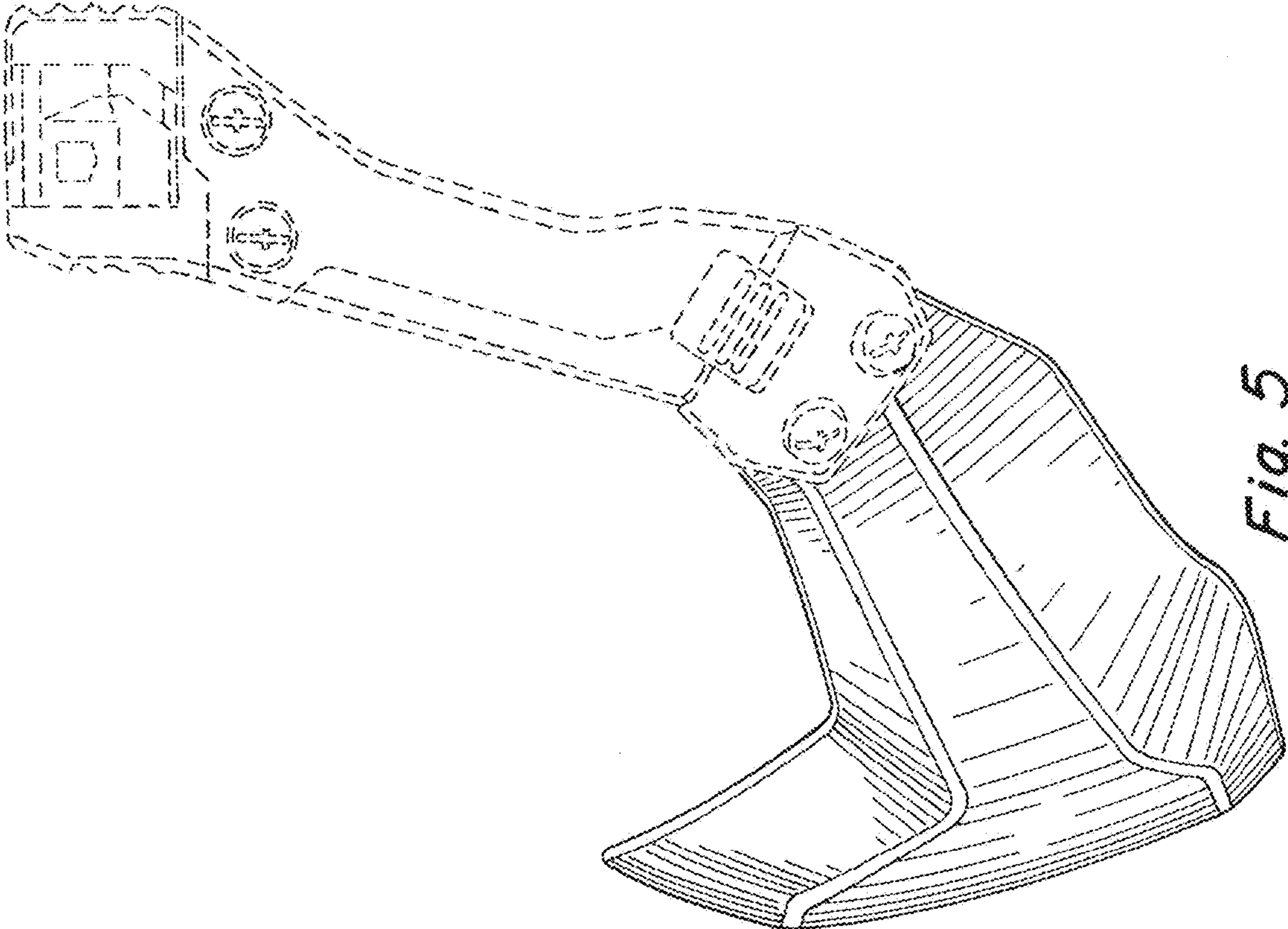


Fig. 5

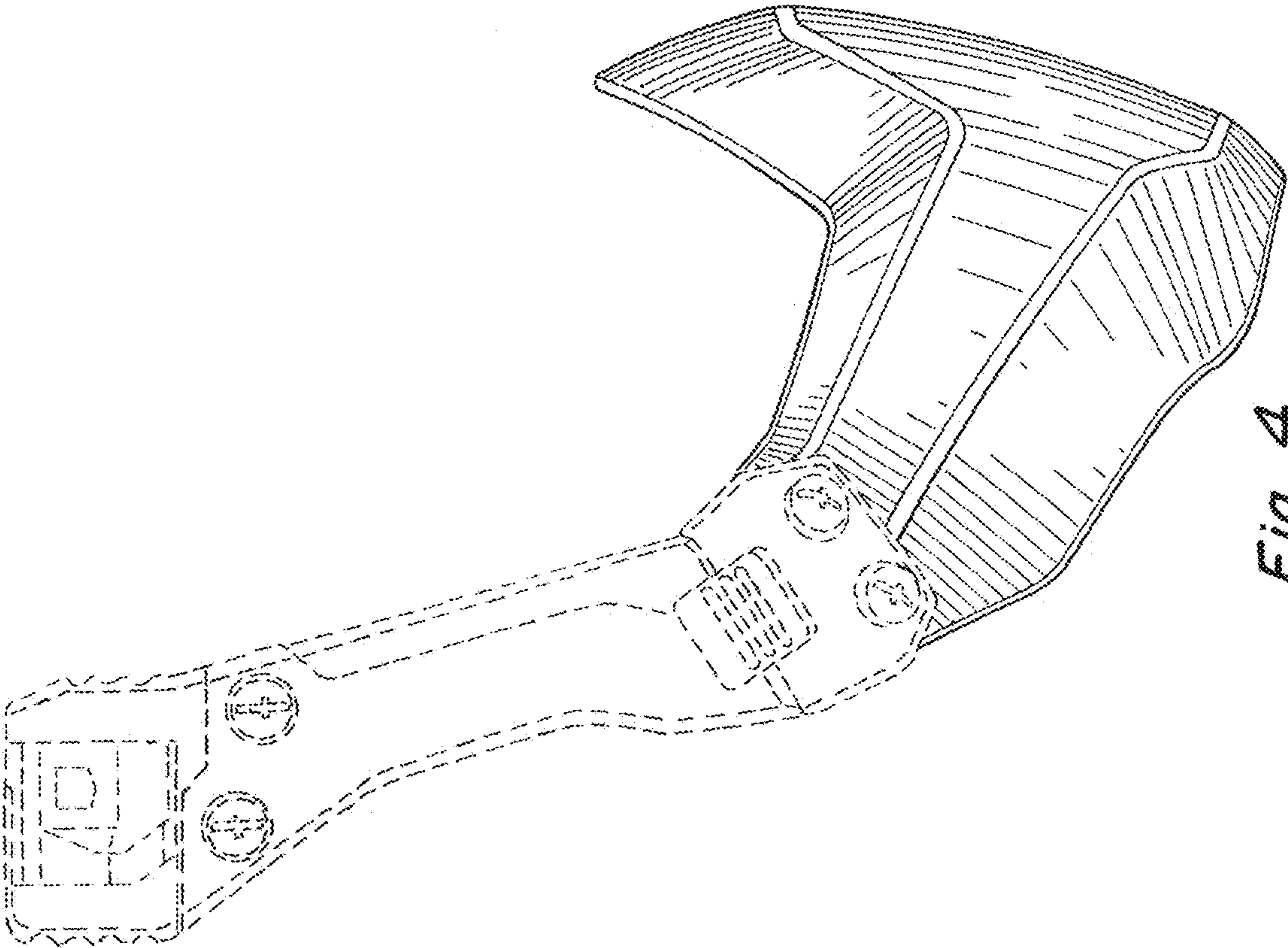


Fig. 4

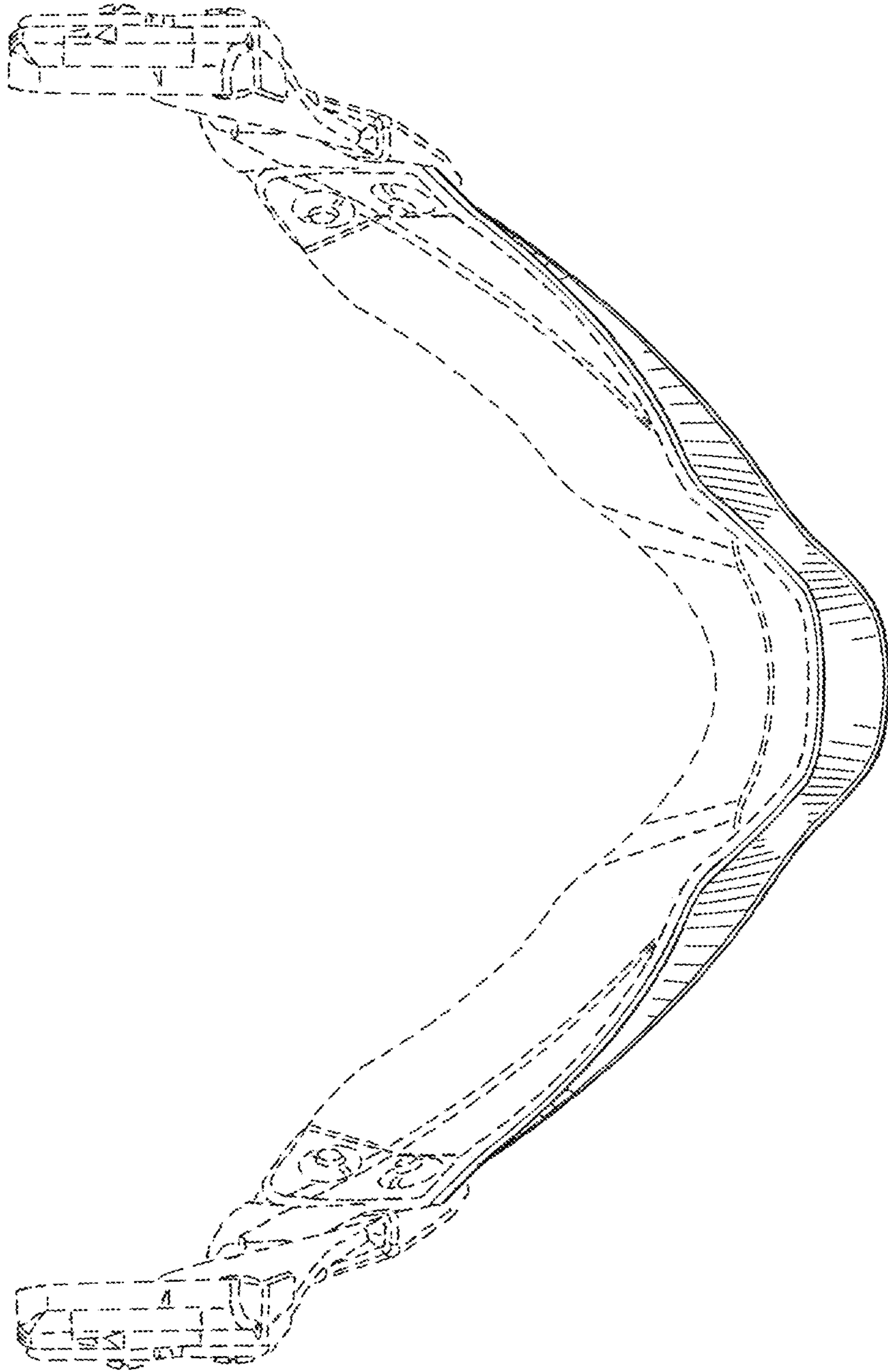


Fig. 6

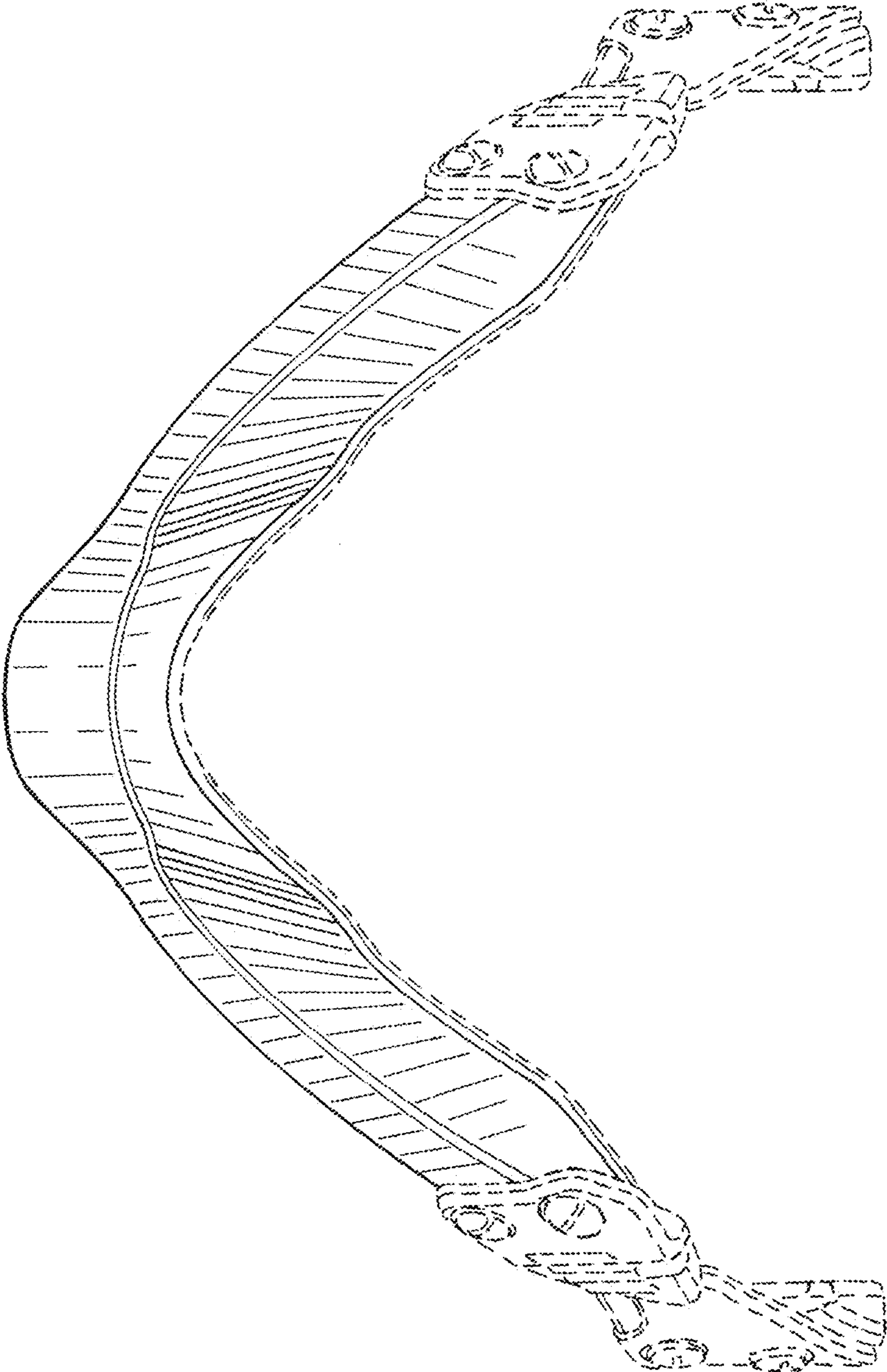


Fig. 7

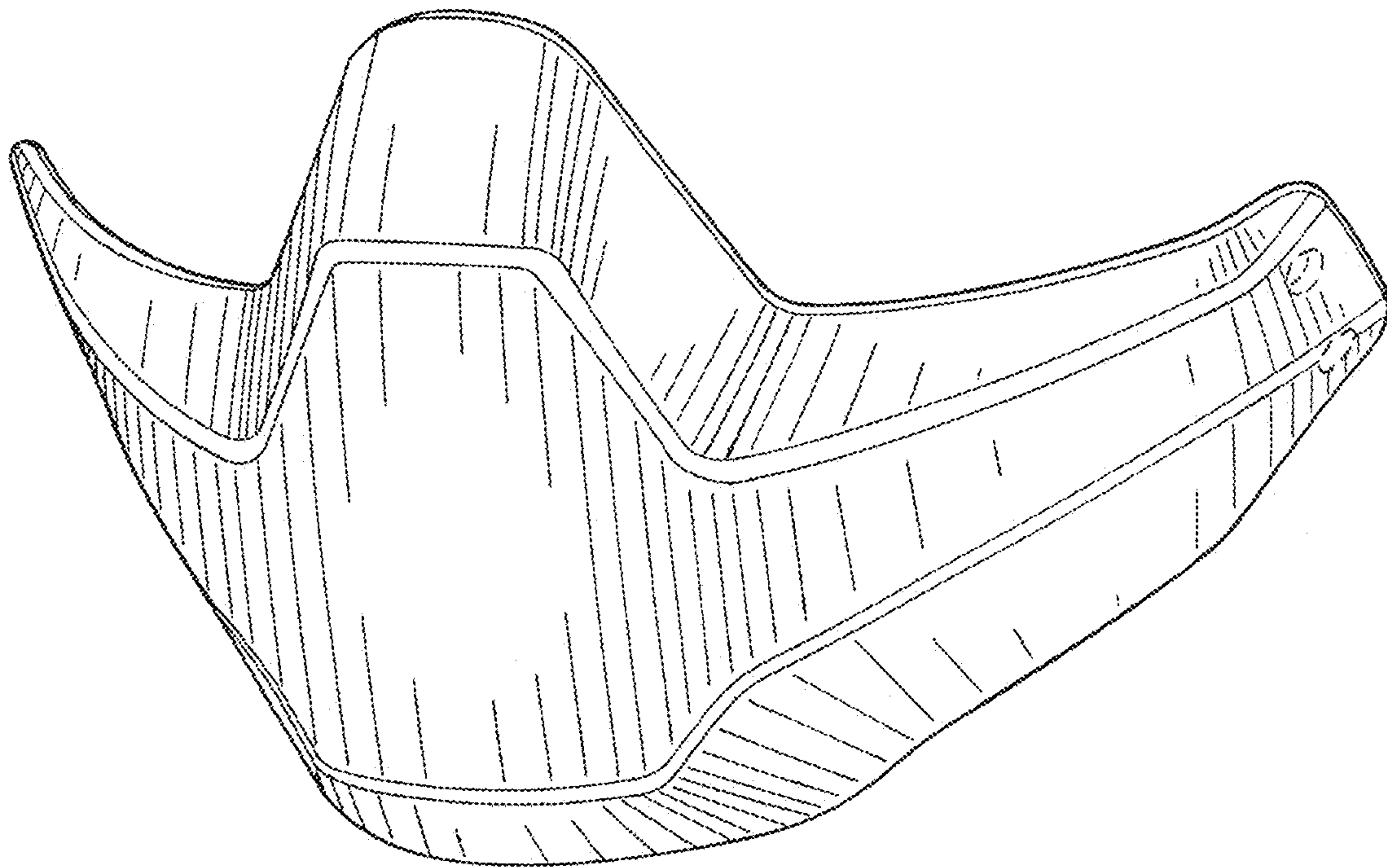


Fig. 8

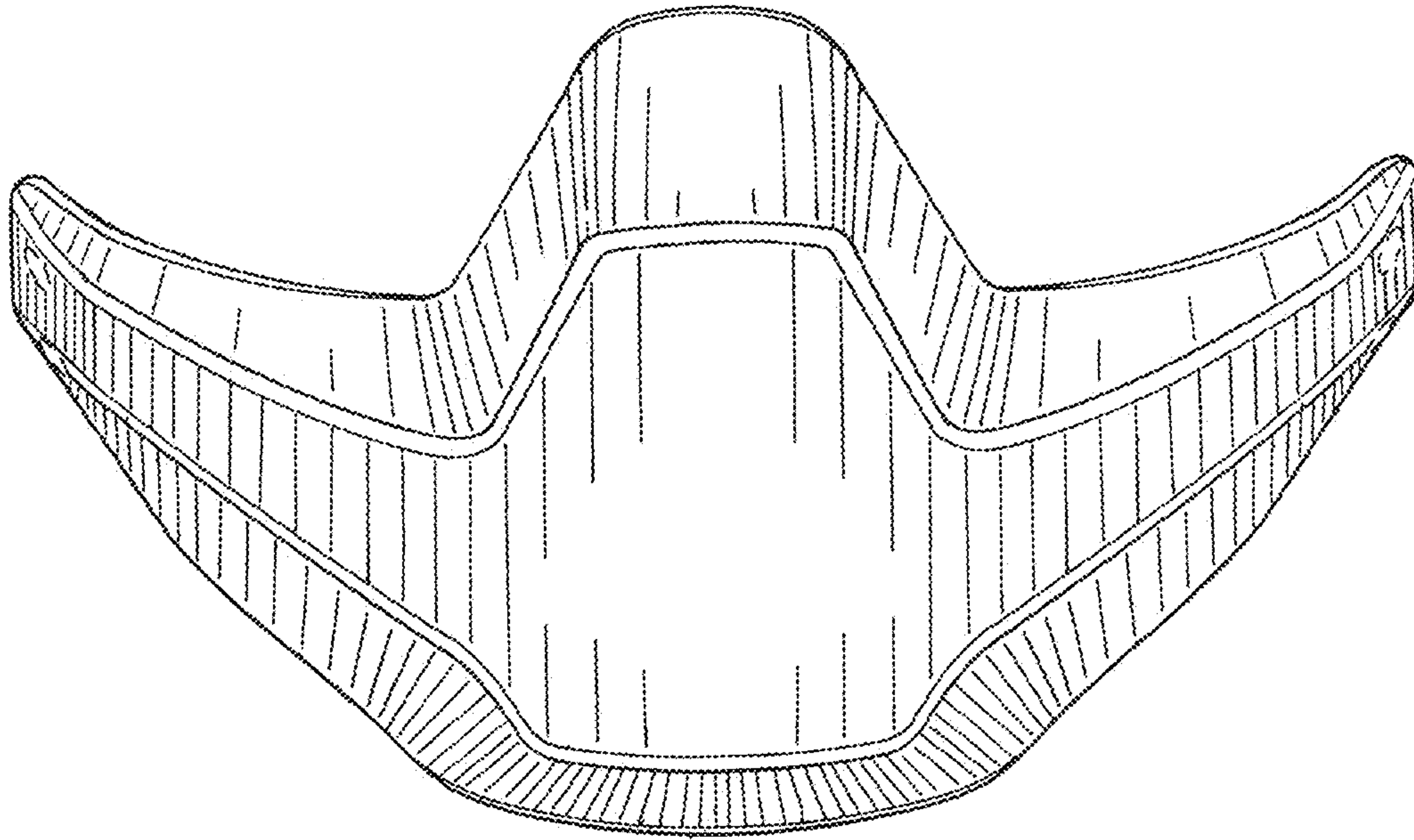


Fig. 9

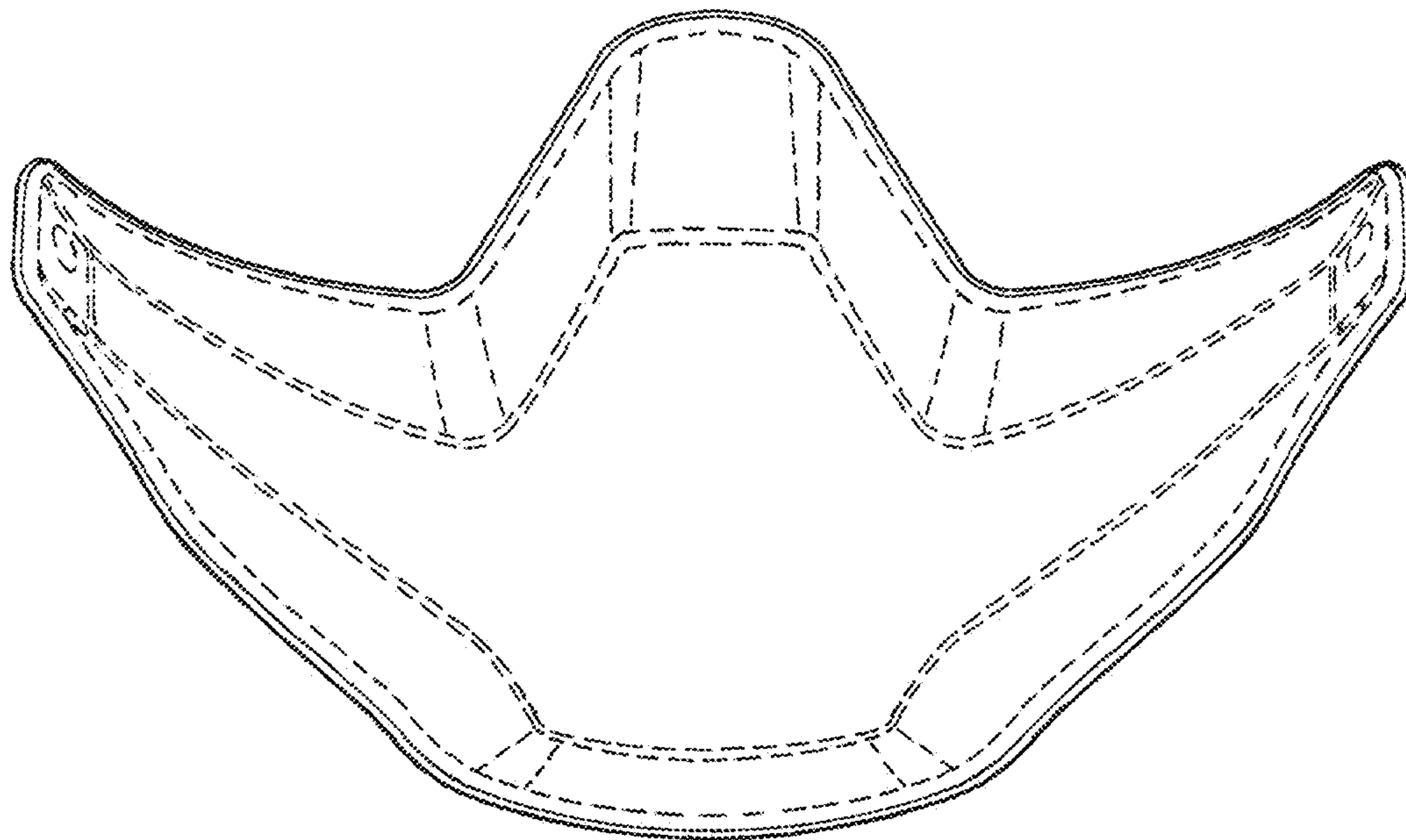


Fig. 10

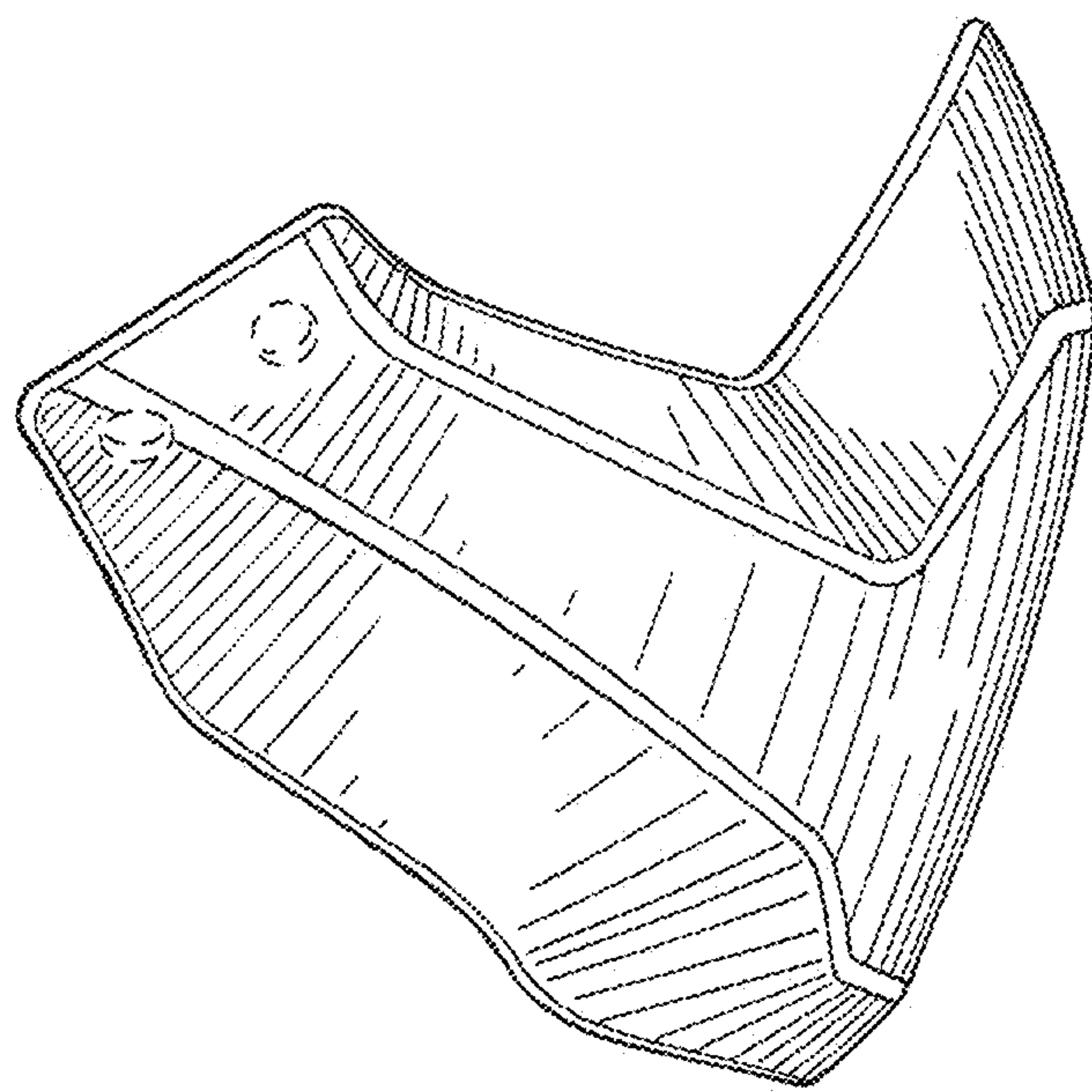


Fig. 11

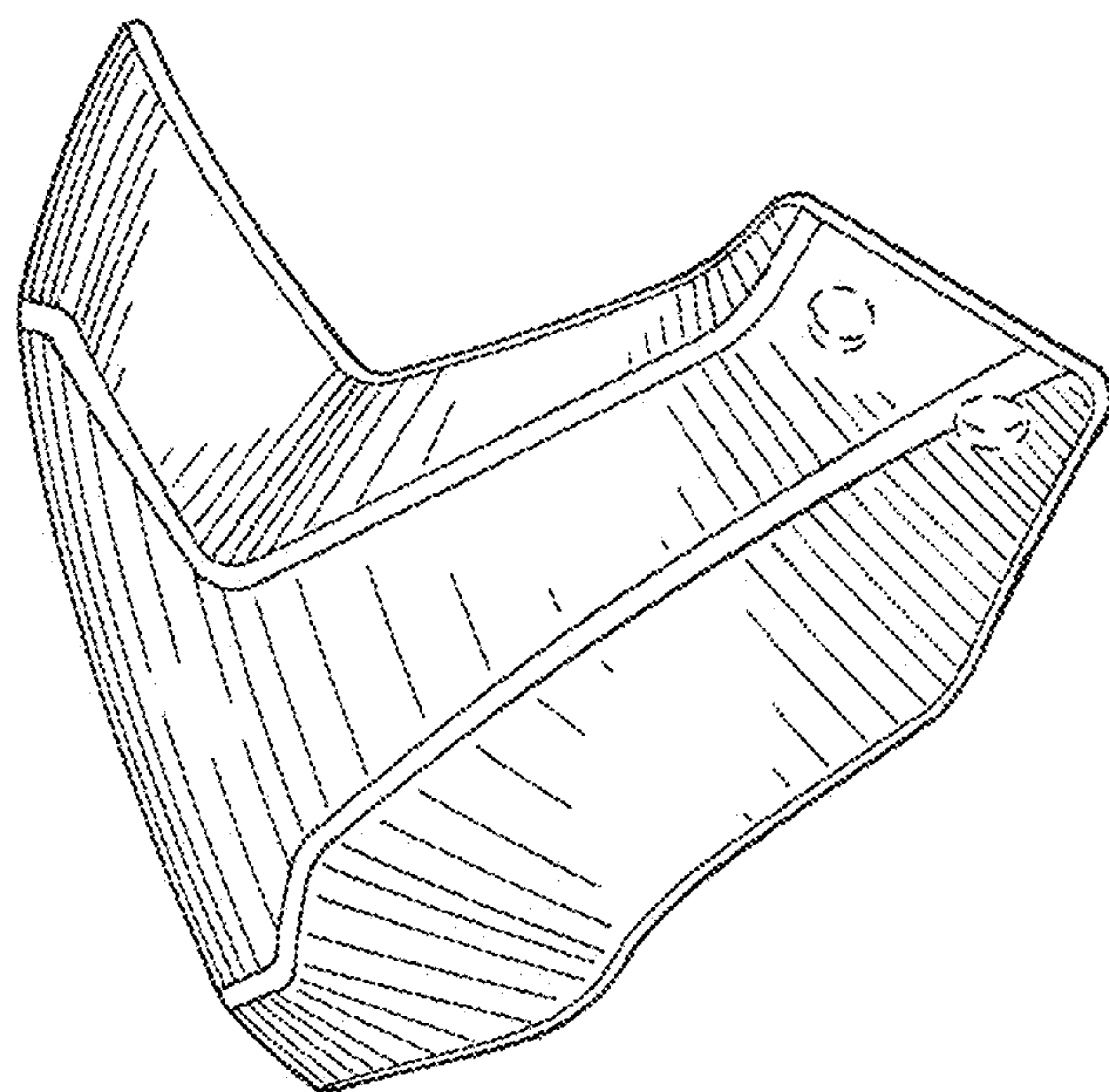


Fig. 12

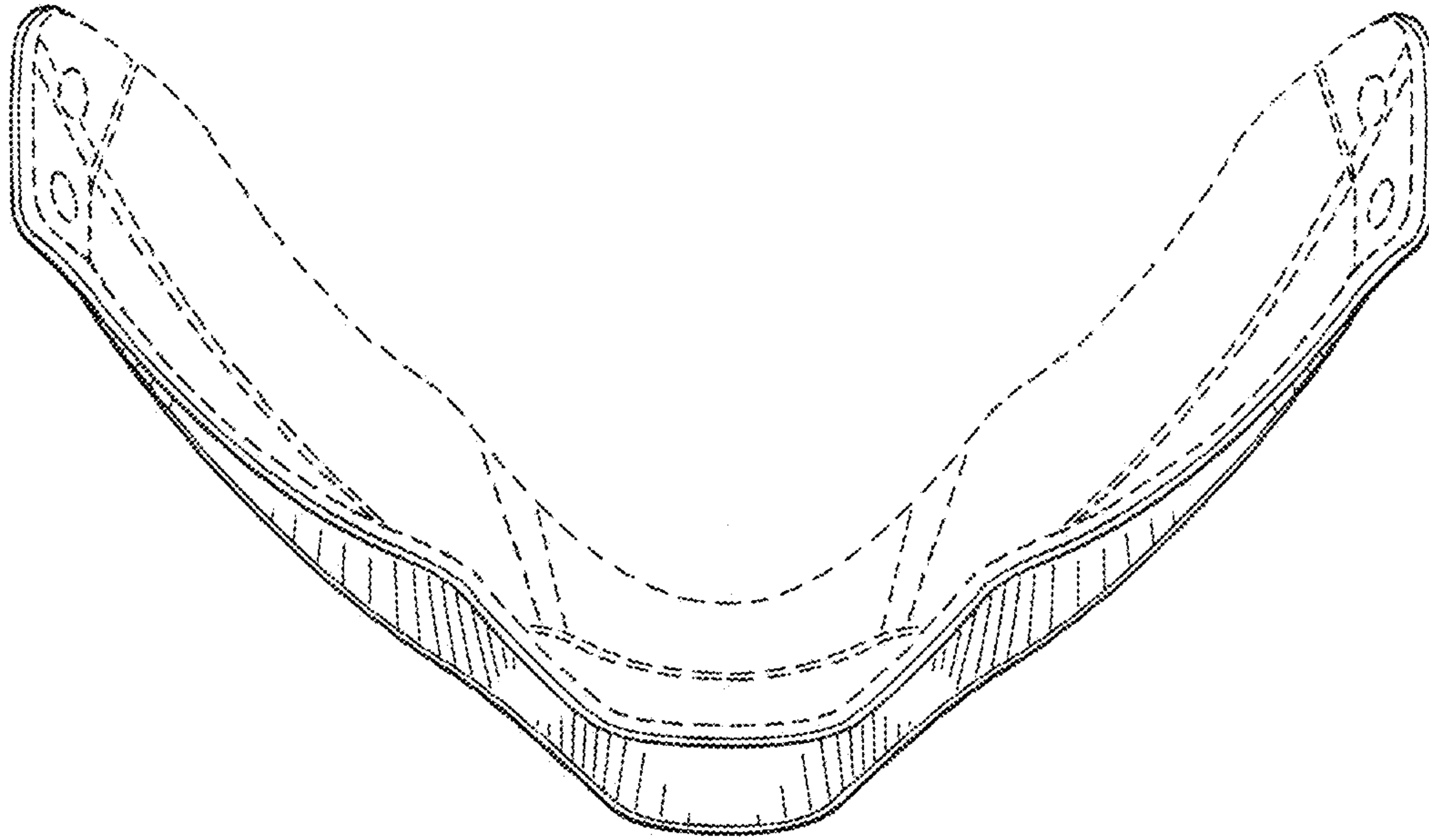


Fig. 13

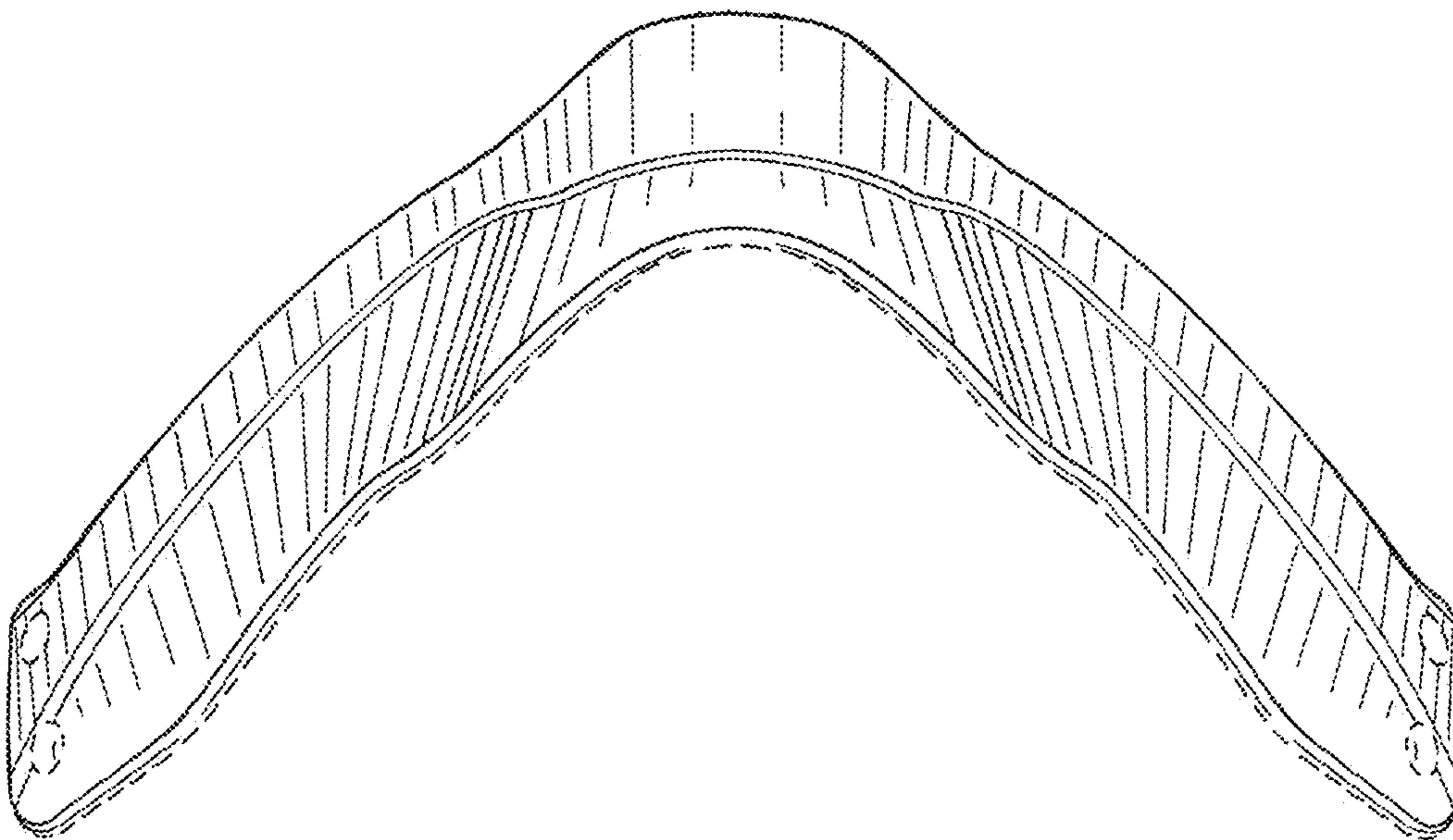


Fig. 14