



US00D833193S

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

(10) **Patent No.:** **US D833,193 S**
(45) **Date of Patent:** **** Nov. 13, 2018**

- (54) **CHAIR**
- (71) Applicant: **ARTCO-BELL CORPORATION**,
Temple, TX (US)
- (72) Inventors: **David E. Mehaffey**, Muscatine, IA
(US); **Jeremy S. Rolfs**, Sylvan Lake,
MI (US)
- (73) Assignee: **ARTCO-BELL CORPORATION**,
Temple, TX (US)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/610,206**
- (22) Filed: **Jul. 10, 2017**

Related U.S. Application Data

- (63) Continuation of application No. 29/568,653, filed on Jun. 20, 2016, now Pat. No. Des. 796,883, which is a continuation of application No. 29/542,863, filed on Oct. 19, 2015, now Pat. No. Des. 759,414, which is a continuation of application No. 29/506,440, filed on Oct. 15, 2014, now Pat. No. Des. 743,180.
- (51) **LOC (11) Cl.** **06-01**
- (52) **U.S. Cl.**
USPC **D6/716; D6/375**
- (58) **Field of Classification Search**
USPC D6/334-336, 366, 371, 372, 373, 374,
D6/375, 376, 716, 716.1, 716.4
CPC A47C 3/04; A47C 3/12; A47C 4/02; A47C
4/03; A47C 5/12; A47C 7/16
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

186,462 A	1/1877	Clay
909,751 A	1/1909	Robert
1,290,532 A	1/1919	Fischer

1,376,382 A	4/1921	Horine
2,030,037 A	2/1936	Waechtler et al.
2,312,030 A	2/1943	Cramer et al.
2,471,024 A	5/1949	Cramer
2,796,920 A	6/1957	Cowles

(Continued)

FOREIGN PATENT DOCUMENTS

BD	1302 S	2/2015
CA	159333 S	7/2015

(Continued)

OTHER PUBLICATIONS

Alumni Classroom furniture Brochure, retrieved from <http://www.alumni.cfb.com/Alumnibrochure.pdf> Jan. 14, 2015, 64 pages.

(Continued)

Primary Examiner — Mimosa De
(74) *Attorney, Agent, or Firm* — Nicholson De Vos
Webster & Elliott LLP

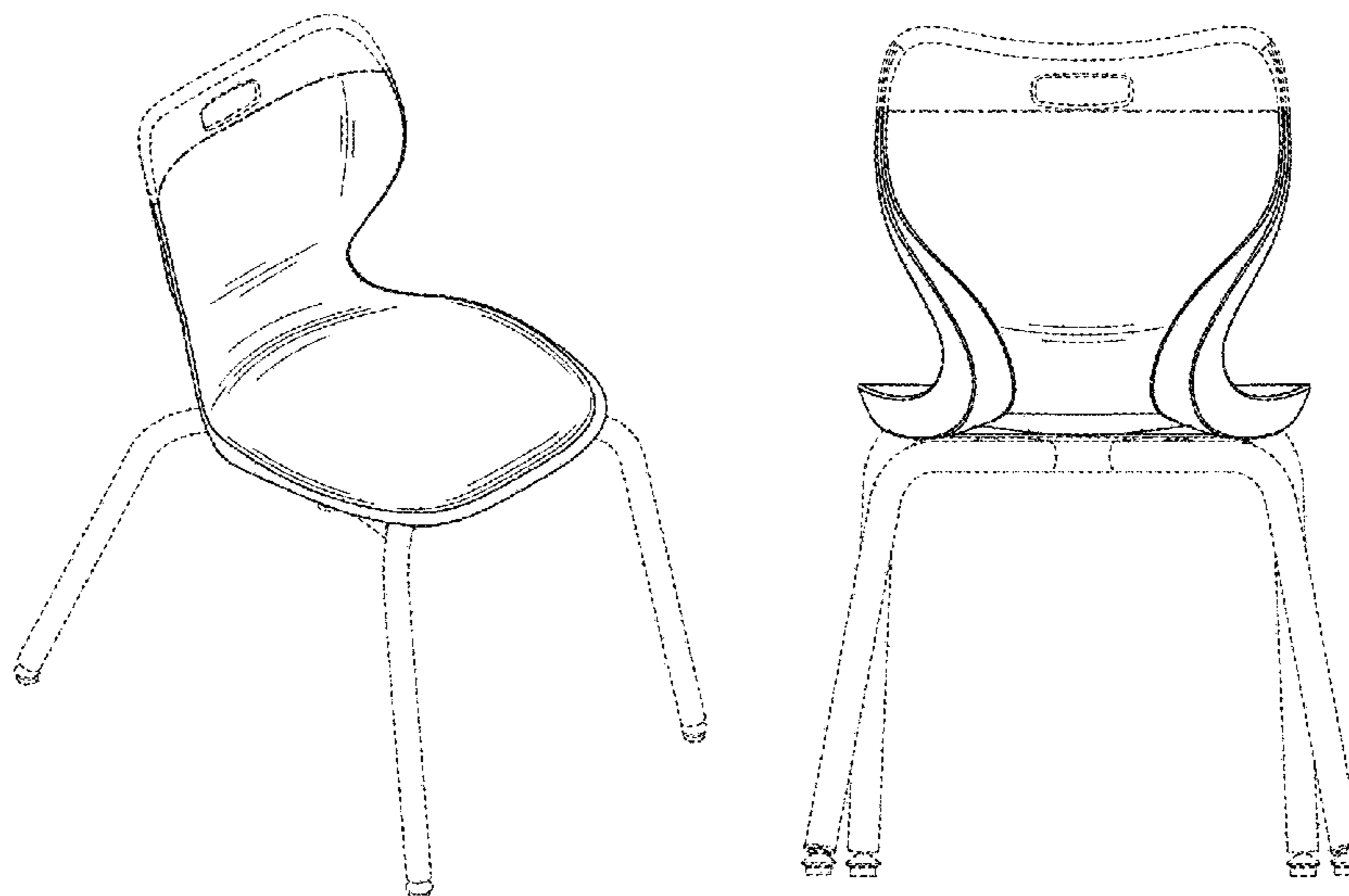
(57) **CLAIM**

The ornamental design for a chair, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the chair from a first point of view.
 FIG. 2 is a perspective view of the chair from a second point of view.
 FIG. 3 is a front view of the chair.
 FIG. 4 is a back view of the chair.
 FIG. 5 is a right side view of the chair.
 FIG. 6 is a left side view of the chair.
 FIG. 7 is a top view of the chair; and,
 FIG. 8 is a bottom view of the chair.
 Broken lines are also for illustrative purposes only and form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2,808,875	A	10/1957	Bargen			D473,407	S	*	4/2003	Ross		D6/375
2,893,469	A	* 7/1959	Eames	A47C 5/12		6,565,153	B2		5/2003	Hensel et al.		
						6,568,760	B2		5/2003	Davis et al.		
D192,029	S	* 1/1962	Avadon et al.	297/452.14		6,572,190	B2		6/2003	Koepke et al.		
3,102,753	A	9/1963	Schliephacke			D476,821	S		7/2003	Koepke et al.		
D202,550	S	* 10/1965	Kramer	297/452.12		6,588,842	B2		7/2003	Stumpf et al.		
3,258,259	A	6/1966	Bohlin			6,609,755	B2		8/2003	Koepke et al.		
3,453,024	A	7/1969	Philip			6,616,231	B2		9/2003	Koepke et al.		
3,565,482	A	2/1971	Leif			6,626,497	B2		9/2003	Nagamitsu et al.		
3,669,496	A	6/1972	William			6,644,741	B2		11/2003	Nelson et al.		
3,669,499	A	6/1972	Frans et al.			6,669,292	B2		12/2003	Koepke et al.		
3,734,561	A	5/1973	Barecki et al.			6,688,692	B2		2/2004	Phillips et al.		
4,014,507	A	3/1977	Swenson			6,709,057	B2		3/2004	Sander et al.		
4,088,367	A	5/1978	Atkinson et al.			6,709,058	B1		3/2004	Diffrient		
4,123,105	A	10/1978	Frey et al.			6,709,060	B1		3/2004	Su		
4,155,592	A	5/1979	Matsuoka et al.			6,722,741	B2		4/2004	Stumpf et al.		
4,166,469	A	9/1979	Littleford			6,729,691	B2		5/2004	Koepke et al.		
4,168,050	A	9/1979	Nerem et al.			6,739,664	B2		5/2004	Kinoshita et al.		
D255,184	S	* 6/1980	Locher	D6/375		6,742,839	B2		6/2004	Piretti		
4,429,917	A	2/1984	Diffrient			6,749,261	B2		6/2004	Knoblock et al.		
4,502,729	A	3/1985	Locher			6,761,406	B2		7/2004	Kinoshita et al.		
4,623,193	A	11/1986	Lieker			D493,627	S		8/2004	Ma		
4,653,806	A	3/1987	Willi			6,802,566	B2		10/2004	Prince et al.		
4,761,033	A	8/1988	Lanuzzi et al.			6,817,667	B2		11/2004	Pennington et al.		
4,773,706	A	9/1988	Hinrichs			D499,260	S	*	12/2004	Glass		D6/375
4,805,962	A	2/1989	Sacco et al.			6,840,582	B2		1/2005	Burwell et al.		
4,865,384	A	9/1989	Desanta			6,843,530	B1		1/2005	Wu		
4,909,472	A	3/1990	Piretti			6,863,346	B2		3/2005	Zund et al.		
4,962,962	A	10/1990	Machate et al.			D503,559	S	*	4/2005	Glass		D6/372
4,988,145	A	1/1991	Engel			D504,026	S	*	4/2005	Glass		D6/366
5,029,942	A	7/1991	Rink			6,874,852	B2		4/2005	Footitt		
5,110,182	A	5/1992	Beauvais			6,896,329	B2		5/2005	Sander et al.		
5,150,948	A	9/1992	Voelkle			6,905,171	B2		6/2005	Knoblock et al.		
5,277,865	A	1/1994	Hara et al.			6,908,159	B2		6/2005	Prince et al.		
5,286,083	A	2/1994	Mattison			6,913,316	B2		7/2005	Kinoshita et al.		
5,308,144	A	5/1994	Korn			6,935,689	B2		8/2005	Horiki et al.		
5,366,274	A	11/1994	Roericht et al.			6,945,602	B2		9/2005	Fookes et al.		
D360,083	S	* 7/1995	Lohmeyer	D6/375		6,957,861	B1		10/2005	Chou et al.		
5,486,035	A	1/1996	Koepke et al.			6,959,965	B2		11/2005	Diffrient		
5,507,559	A	4/1996	Lance			6,966,604	B2		11/2005	Stumpf et al.		
5,599,069	A	2/1997	Lorbiecki			D513,911	S	*	1/2006	Glass		D6/375
5,601,337	A	2/1997	Choda et al.			6,981,743	B2		1/2006	Edwards et al.		
5,649,740	A	7/1997	Hodgdon			6,986,549	B2		1/2006	Kniese		
5,660,439	A	8/1997	Unwalla			6,991,291	B2		1/2006	Knoblock et al.		
5,716,098	A	2/1998	Lance			D514,339	S	*	2/2006	Glass		D6/366
5,755,488	A	5/1998	Beda et al.			6,994,400	B2		2/2006	Koepke et al.		
5,772,282	A	6/1998	Stumpf et al.			7,010,894	B1		3/2006	Cappelle		
5,775,774	A	7/1998	Okano			7,014,269	B2		3/2006	Coffield et al.		
5,797,652	A	8/1998	Darbyshire			7,040,709	B2		5/2006	Knoblock et al.		
5,810,438	A	9/1998	Newhouse			D522,265	S	*	6/2006	Glass		D6/375
5,810,440	A	9/1998	Unwalla			7,063,384	B2		6/2006	Liu et al.		
5,826,940	A	10/1998	Hodgdon			7,066,537	B2		6/2006	Coffield et al.		
5,934,758	A	8/1999	Ritch et al.			7,066,538	B2		6/2006	Machael et al.		
RE36,335	E	10/1999	Perry			7,104,604	B1		9/2006	Kang		
5,979,984	A	11/1999	Dekraker et al.			7,114,777	B2		10/2006	Knoblock et al.		
6,030,037	A	2/2000	Ritch et al.			7,131,700	B2		11/2006	Knoblock et al.		
6,035,901	A	3/2000	Stumpf et al.			7,134,722	B2		11/2006	Ueda et al.		
6,089,669	A	7/2000	Wilcox et al.			7,147,286	B2		12/2006	Cesaroni et al.		
6,142,566	A	11/2000	Ritch et al.			D541,063	S		4/2007	Su		
6,176,548	B1	1/2001	Thole et al.			7,213,880	B2		5/2007	Schmitz et al.		
6,254,186	B1	7/2001	Falzon			7,213,886	B2		5/2007	Schmitz et al.		
6,286,900	B1	9/2001	Roark			D544,230	S	*	6/2007	Glass		D6/375
6,286,901	B1	9/2001	Ritch et al.			7,234,772	B2		6/2007	Wells		
6,296,309	B1	10/2001	Kurtz			7,249,802	B2		7/2007	Schmitz et al.		
6,318,800	B1	11/2001	Dekraker			D549,018	S	*	8/2007	Glass		D6/375
6,367,876	B2	4/2002	Caruso et al.			7,273,253	B2		9/2007	Deimen et al.		
6,367,877	B1	4/2002	Knoblock et al.			7,281,764	B2		10/2007	Thole		
6,394,545	B2	5/2002	Knoblock et al.			7,296,853	B2		11/2007	Piretti		
6,394,546	B1	5/2002	Knoblock et al.			D558,995	S		1/2008	Igarashi		
6,394,548	B1	5/2002	Batthey et al.			D559,571	S		1/2008	Meda		
6,394,549	B1	5/2002	Dekraker et al.			D559,572	S		1/2008	Igarashi		
6,474,737	B1	11/2002	Canteleux et al.			7,347,495	B2		3/2008	Beyer et al.		
6,511,128	B2	1/2003	Piretti			D566,979	S	*	4/2008	Cox		D6/375
6,513,874	B1	2/2003	Sander et al.			7,360,835	B2		4/2008	Tubergen et al.		
6,523,898	B1	2/2003	Ball et al.			D572,049	S	*	7/2008	Kerr		D6/375
						D572,948	S		7/2008	Wakasugi et al.		
						7,419,222	B2		9/2008	Schmitz et al.		
						7,422,287	B2		9/2008	Heidmann et al.		
						7,425,037	B2		9/2008	Schmitz et al.		

(56)

References Cited

U.S. PATENT DOCUMENTS

7,441,839 B2 10/2008 Pennington et al.
 D582,170 S 12/2008 Chi
 7,484,802 B2 2/2009 Beyer et al.
 7,517,024 B2 4/2009 Cvek
 D597,758 S * 8/2009 Barrett D6/375
 D600,462 S 9/2009 Ooki et al.
 7,600,814 B2 10/2009 Link
 7,600,820 B2 10/2009 Bouche et al.
 D609,489 S * 2/2010 Adams D6/375
 7,665,805 B2 2/2010 Ueda
 7,712,833 B2 5/2010 Ueda
 7,717,511 B2 5/2010 Huang
 7,717,513 B2 5/2010 Ueda
 D618,469 S 6/2010 Romero
 7,726,740 B2 6/2010 Masunaga
 7,794,016 B1 9/2010 Lucci et al.
 7,798,573 B2 9/2010 Pennington et al.
 7,837,265 B2 11/2010 Machael et al.
 7,841,666 B2 11/2010 Schmitz et al.
 7,850,241 B1 12/2010 Lucci et al.
 7,857,388 B2 12/2010 Bedford et al.
 7,878,591 B2 2/2011 Walker et al.
 D639,576 S 6/2011 Breen
 7,971,936 B2 7/2011 Fukai
 D643,641 S 8/2011 Figueroa
 D643,642 S 8/2011 Figueroa
 7,992,937 B2 8/2011 Plikat et al.
 7,997,652 B2 8/2011 Roslund et al.
 D646,092 S 10/2011 Romero
 8,029,060 B2 10/2011 Parker et al.
 D648,561 S * 11/2011 Johansson D6/375
 D648,564 S * 11/2011 Johansson D6/375
 8,061,775 B2 11/2011 Diffrient
 D649,795 S 12/2011 Izawa
 8,075,058 B2 12/2011 Baumann et al.
 D652,223 S 1/2012 Fujita
 D659,444 S 5/2012 James
 8,210,611 B2 7/2012 Aldrich et al.
 8,215,710 B2 7/2012 Erker
 8,251,448 B2 8/2012 Machael et al.
 8,262,162 B2 9/2012 Castro, Jr. et al.
 8,297,701 B2 10/2012 Machael et al.
 D671,759 S 12/2012 Hurford
 D676,254 S 2/2013 Chen
 8,414,073 B2 4/2013 Schmitz et al.
 D683,558 S * 6/2013 Rada D6/716
 8,480,171 B2 7/2013 Chadwick et al.
 D688,483 S 8/2013 Aratani
 8,544,951 B2 10/2013 Machael et al.
 8,550,557 B2 10/2013 Bock
 8,616,640 B2 12/2013 Van Hekken
 D696,886 S 1/2014 Nakamura
 D701,068 S 3/2014 Usumoto et al.
 8,663,514 B2 3/2014 Deskevich et al.
 D704,944 S 5/2014 Koepke et al.
 D706,067 S * 6/2014 Romero D6/716
 D707,460 S 6/2014 Giugiaro
 D707,461 S * 6/2014 Rada D6/375
 D714,070 S 9/2014 Cvek
 D715,068 S 10/2014 Chan
 D718,544 S 12/2014 Lu
 D731,833 S 6/2015 Fifield et al.
 D742,153 S * 11/2015 Hui D6/375
 D743,180 S * 11/2015 Mehaffey D6/375
 D759,414 S * 6/2016 Mehaffey D6/375
 D764,850 S * 8/2016 Davidson D6/375
 D796,883 S * 9/2017 Mehaffey D6/375
 D808,669 S * 1/2018 Li D6/334
 D808,677 S * 1/2018 Grabowski D6/375
 D808,678 S * 1/2018 Grabowski D6/375
 D809,315 S * 2/2018 Grabowski D6/375
 2002/0043843 A1 4/2002 Pennington et al.
 2002/0190552 A1 12/2002 Koepke et al.
 2002/0190553 A1 12/2002 Koepke et al.
 2002/0190564 A1 12/2002 Coffield et al.

2003/0001425 A1 1/2003 Koepke et al.
 2003/0075961 A1 4/2003 Struppler et al.
 2003/0107252 A1 6/2003 Kinoshita et al.
 2003/0127896 A1 7/2003 Deimen et al.
 2003/0137173 A1 7/2003 Kinoshita et al.
 2004/0017102 A1 1/2004 Igarashi et al.
 2005/0062323 A1 3/2005 Dicks
 2005/0093354 A1 5/2005 Ball et al.
 2005/0121954 A1 6/2005 Coffield et al.
 2005/0168041 A1 8/2005 Glance et al.
 2005/0231013 A1 10/2005 Knoblock et al.
 2005/0269848 A1 12/2005 Harley et al.
 2006/0001303 A1 1/2006 Raftery et al.
 2006/0006715 A1 1/2006 Chadwick et al.
 2006/0033369 A1 2/2006 Eysing et al.
 2006/0103208 A1 5/2006 Schmitz et al.
 2006/0181126 A1 8/2006 Eysing et al.
 2007/0057549 A1 3/2007 Ball et al.
 2007/0108818 A1 5/2007 Ueda et al.
 2007/0108819 A1 5/2007 Ueda
 2007/0108820 A1 5/2007 Ueda et al.
 2007/0108821 A1 5/2007 Ueda
 2007/0216208 A1 9/2007 Maier et al.
 2007/0222266 A1 9/2007 Lucci et al.
 2007/0284920 A1 12/2007 Mehaffey et al.
 2008/0272636 A1 11/2008 Machael et al.
 2008/0315645 A1 12/2008 Hock
 2009/0195047 A1 * 8/2009 Bouche A47C 3/04
 297/452.14
 2009/0273126 A1 11/2009 Scott
 2010/0078975 A1 4/2010 Kang
 2010/0187891 A1 7/2010 O'Connor et al.
 2010/0194160 A1 8/2010 Machael et al.
 2010/0283308 A1 11/2010 Deskevich et al.
 2010/0295351 A1 11/2010 Bock
 2011/0074197 A1 3/2011 Okamoto
 2011/0074201 A1 3/2011 Parker et al.
 2011/0193384 A1 8/2011 Ni
 2011/0198909 A1 8/2011 Fifield
 2011/0233979 A1 9/2011 An
 2011/0285190 A1 11/2011 Wu
 2011/0285191 A1 11/2011 Van Hekken
 2012/0007400 A1 1/2012 Behar et al.
 2012/0025574 A1 2/2012 Wilkinson et al.
 2012/0242130 A1 9/2012 Hung
 2013/0169014 A1 7/2013 Machael et al.
 2014/0191546 A1 7/2014 Machael et al.
 2014/0265493 A1 9/2014 Machael et al.
 2015/0296989 A1 10/2015 Machael et al.
 2016/0106216 A1 * 4/2016 Mehaffey A47C 3/12
 297/452.14

FOREIGN PATENT DOCUMENTS

CN 2629546 Y 8/2004
 CN 201064296 Y 5/2008
 CN 303252641 S 6/2015
 DE 3640336 A1 8/1987
 DE 4135603 A1 5/1992
 DE 29507658 U1 2/1996
 DE 4437394 A1 4/1996
 DE 29711329 U1 10/1997
 DE 10318759 B3 7/2004
 DE 202008016260 U1 4/2009
 EP 0574375 A1 12/1993
 EP 0688522 A1 12/1995
 EP 0970639 A1 1/2000
 EP 1232703 A1 8/2002
 EP 1768516 A2 4/2007
 EP 2110051 A1 10/2009
 EP 2622991 A1 8/2013
 JP 2004049658 A 2/2004
 JP 2004049691 A 2/2004
 JP 2004298434 A 10/2004
 KR 20030059582 A 7/2003
 OM ID201400020 S 6/2015
 WO 9220262 A1 11/1992
 WO 02102197 A2 12/2002
 WO 03068025 A2 8/2003

(56)

References Cited

FOREIGN PATENT DOCUMENTS

WO	2004008915	A1	1/2004
WO	2007112236	A1	10/2007
WO	2013020088	A2	2/2013
WO	2014144143	A1	9/2014

OTHER PUBLICATIONS

Bernhardt Design, Orbit Ross Lovegrove Brochure, retrieved <http://bernhardtdesign.com/pdf/brochures/0031/orbit.pdf> from Jan. 14, 2015, 3 pages.

Columbia Medical-Omni.TM./Omniverse.TM. Transfer Systems and Rolling Chair Brochure, Brochure—retrieved from <http://www.columbiamedical.com/docs/Omni-OV-order-form-web.pdf> Jan. 14, 2015, 2 pages.

Contessa: Ergonomic Concept, Okamura Today, copyright 2000-2004 Okamura Corporation, downloaded from <http://www.okamura.co.jp/english/product/office/contessa/concept/index.html>, 2 pages.

Contessa Task, by Teknion, copyright 2003-2004, downloaded from <http://www.teknion.com/products/seating>, 2 pages.

Flototto Pro, Uber Pro, retrieved from <http://www.flototto.de/pro/index.html> Jan. 14, 2015, 9 pages.

International Preliminary Report on Patentability for Application No. PCT/US2014/028431, dated Sep. 24, 2015, 6 pages.

International Search Report and Written Opinion for Application No. PCT/US2007/064413, dated Aug. 16, 2007, 11 pages.

International Search Report and Written Opinion for Application No. PCT/US2008/056890, dated Jul. 17, 2008.

International Search Report and Written Opinion for Application No. PCT/US2010/022890, dated Jul. 13, 2010, 14 pages.

International Search Report and Written Opinion for Application No. PCT/US2014/028431, dated Jul. 7, 2014, 9 pages.

International Search Report and Written Opinion for Application No. PCT/US2015/025546, dated Aug. 14, 2015, 10 pages.

Jasper Morrison: Air Chair Brochure, retrieved from <http://www.jaspermorrison.com/html/7226891.html> Jan. 14, 2015, 1 page.

Mario Bellini Architects Design, Ultrabellini Chair Brochure, retrieved from <http://bellini.it/design/heller.sub.--ultrachair.html> Jan. 14, 2015, 1 page.

Moroso racconta:—Supernatural, 2005, Ross Lovegrove Design, retrieved from <http://www.moroso.it/famiglia/supernatural/?lang=en> Jan. 14, 2015, 13 pages.

Seating Solutions Brochure—Ergonomics and Comfort in the 21st Century Learning Environment—Vanerum Stelter, retrieved from <http://www.vanerumstelter.com/> Jan. 14, 2015, 20 pages.

Smith System—Furniture for Inspired Learning 2014 Catalog, retrieved from <http://smithsystem.wpengine.netdna-cdn.com/wp-content/uploads/2014/0-1/SmithSystem.sub.--2014Catalog.pdf> Jan. 14, 2015, 129 pages.

Spaceist Office Furniture, Colorful Stacking Cafe Chairs, retrieved from <http://www.spaceistco.uk/cafe-bar-furniture/cafe-furniture/cafe-chairs/co-lourful-cafe-chairs> Jan. 14, 2015, 5 pages.

* cited by examiner

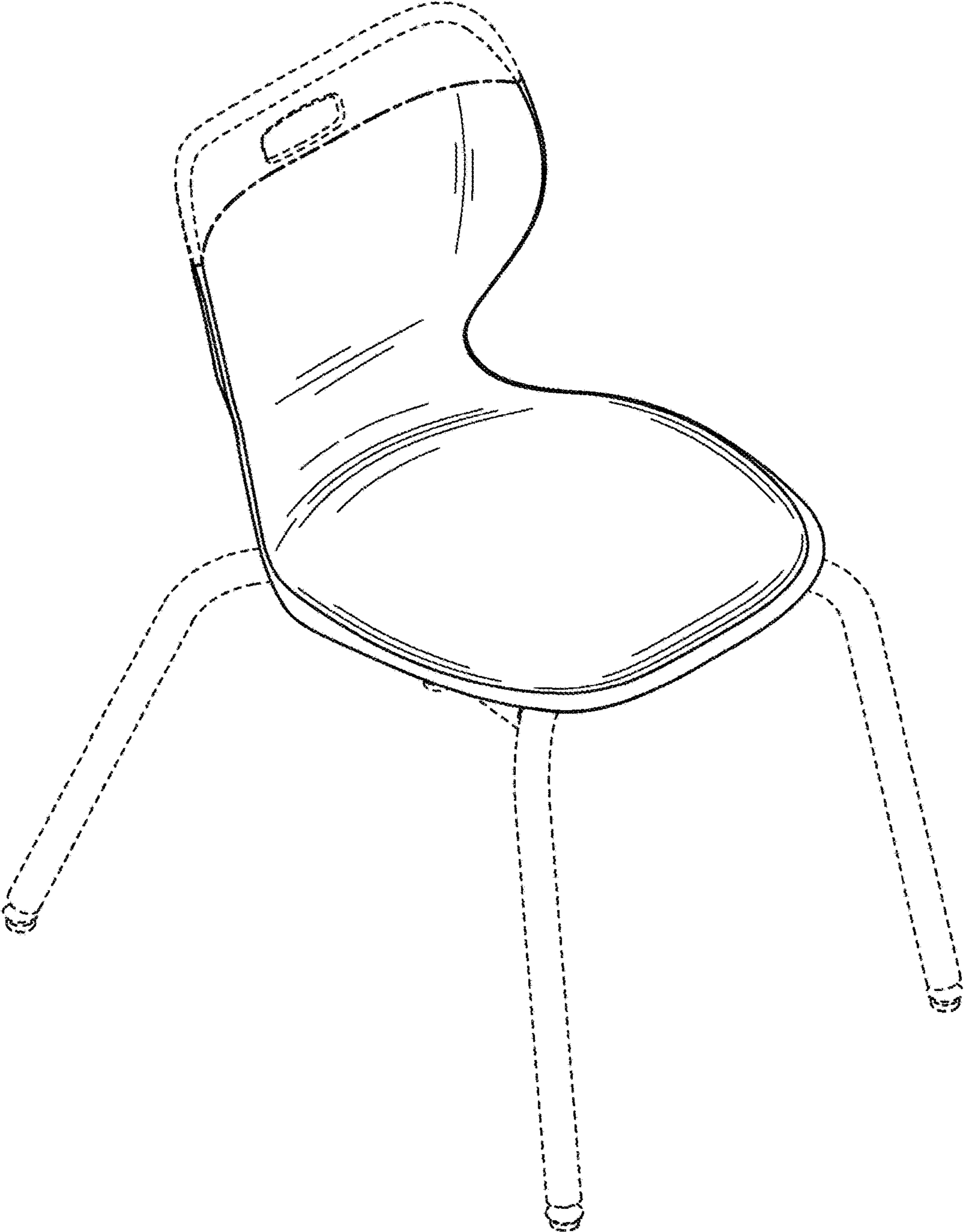


FIG. 1

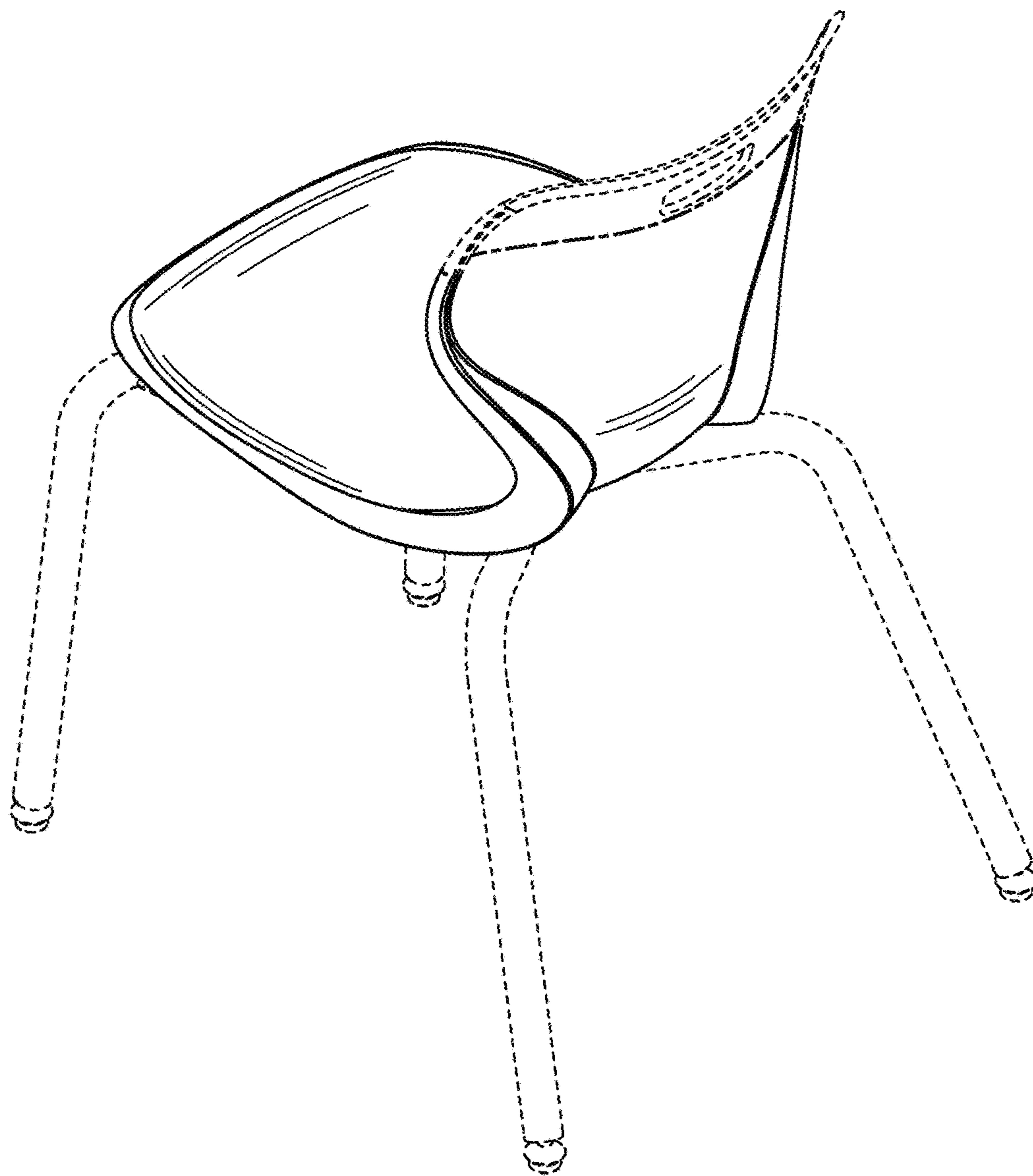


FIG. 2

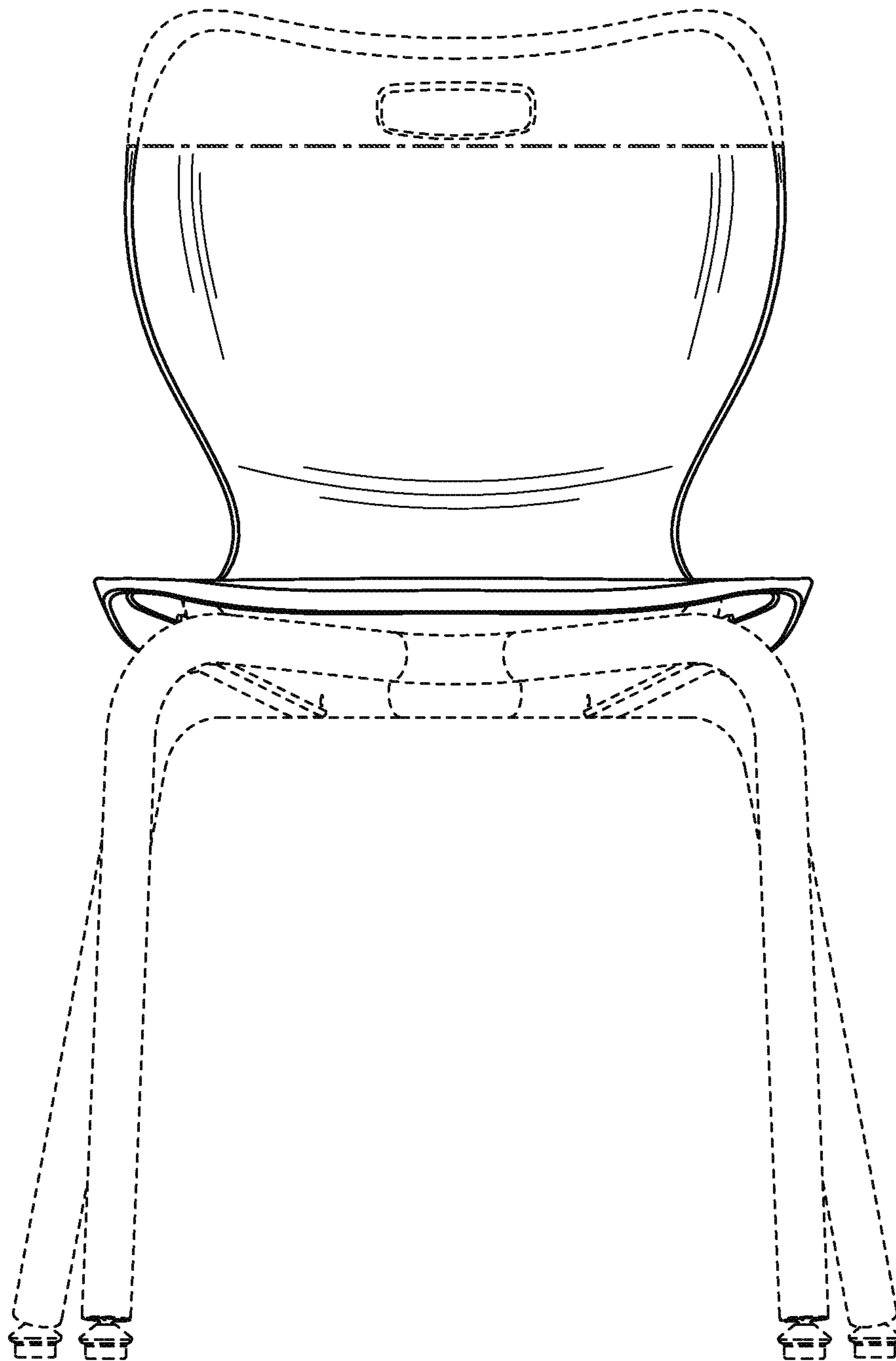


FIG. 3

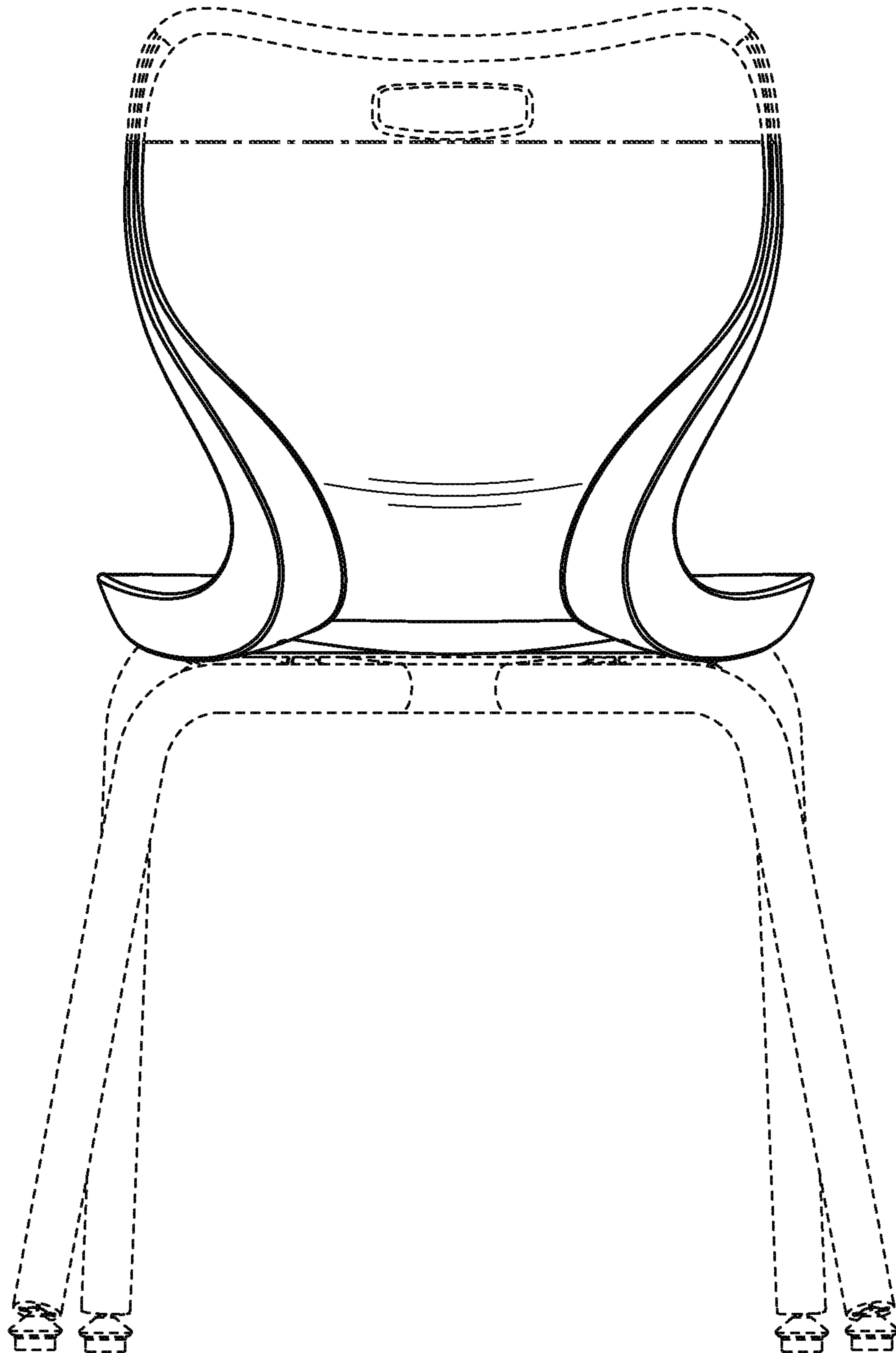


FIG. 4

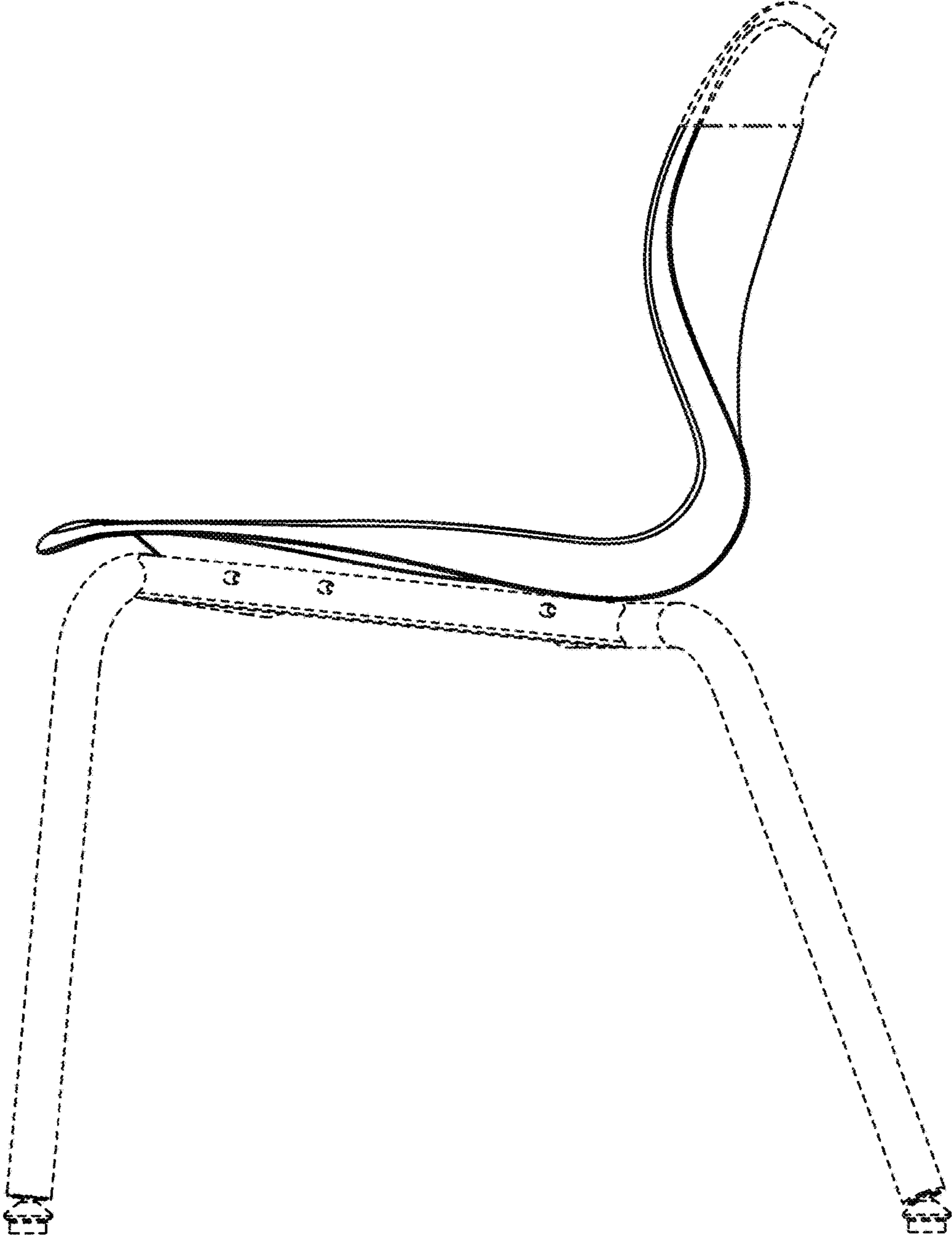


FIG. 5

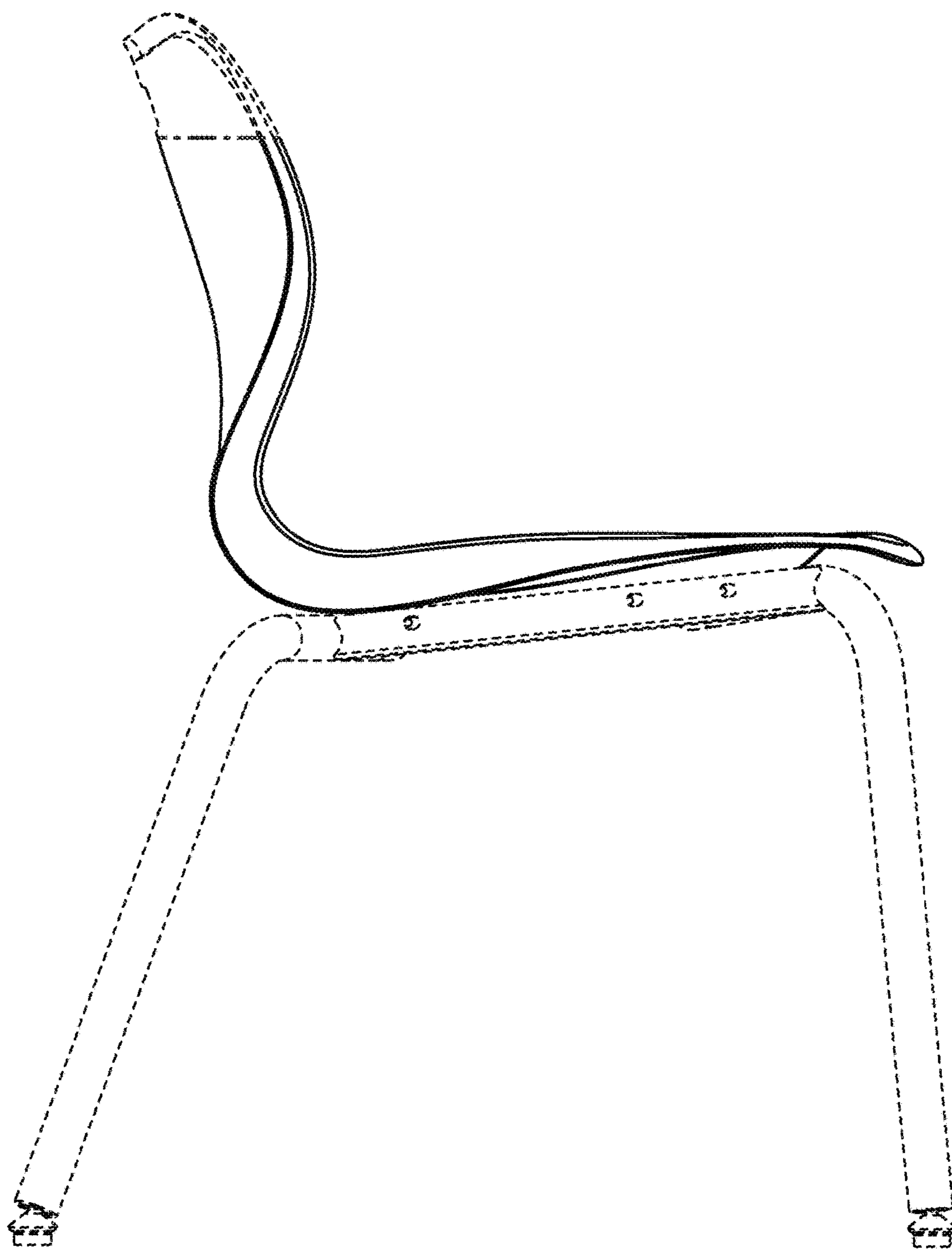


FIG. 6

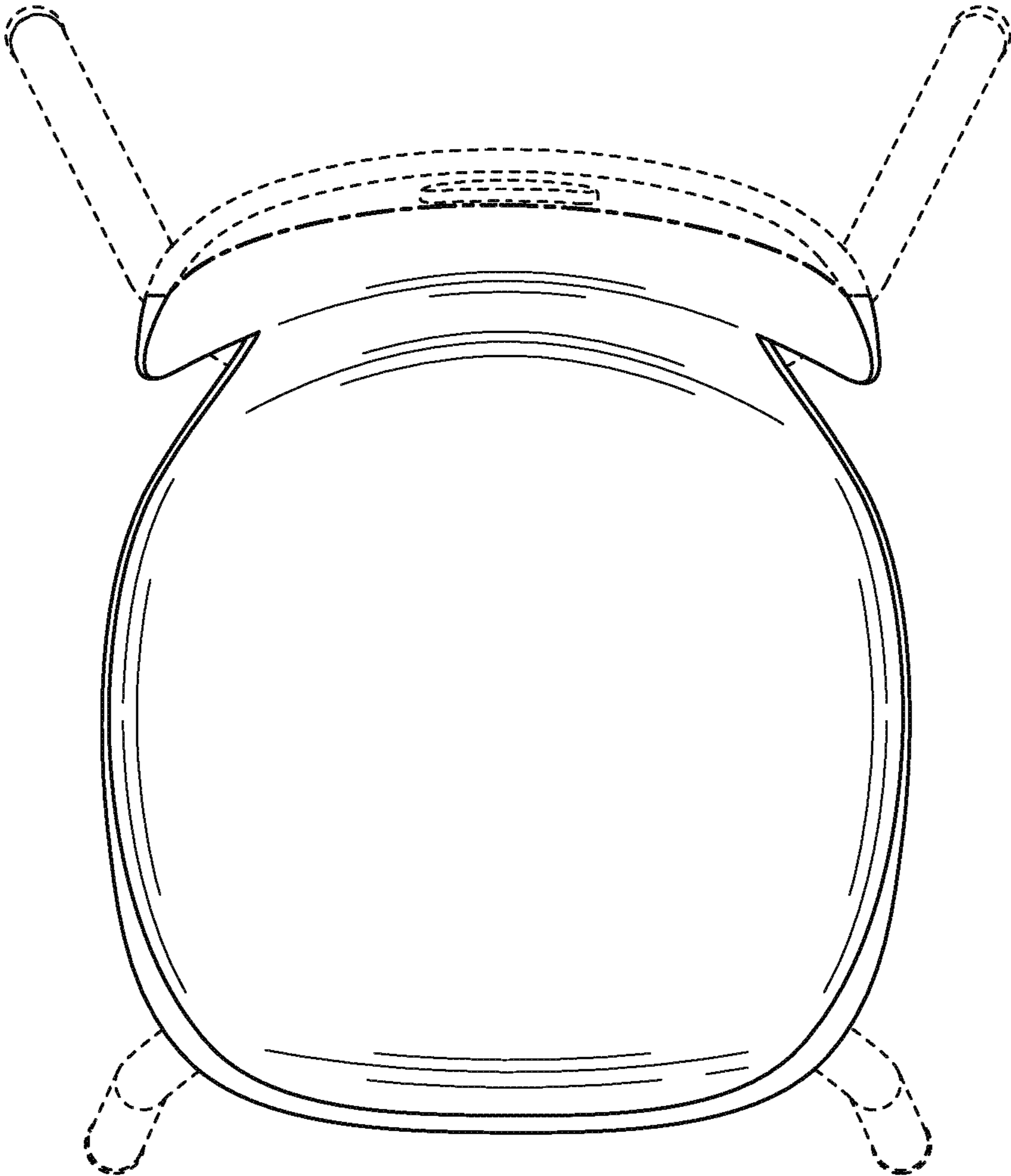


FIG. 7

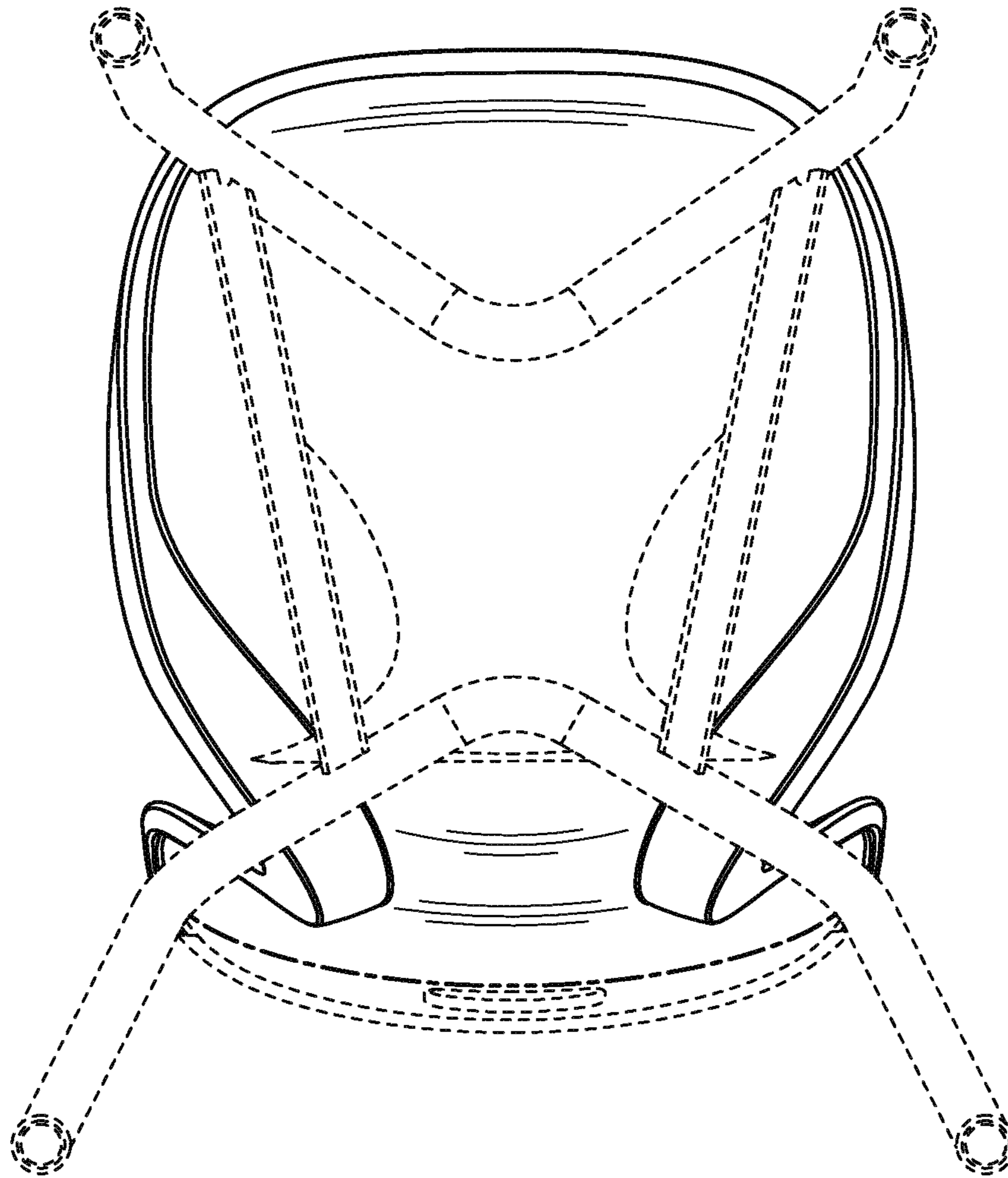


FIG. 8