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(12) **United States Design Patent** (10) **Patent No.:** **US D889,878 S**  
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(54) **BASSINET**  
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D90,696 S 6/1933 Caldwell  
D128,488 S 7/1941 Gunder  
D158,030 S 4/1950 Wagner  
2,508,110 A 5/1950 Hansen  
2,523,422 A 9/1950 Dunn  
2,808,828 A 10/1957 Rubin  
2,873,458 A 2/1959 Adamson  
2,974,325 A 3/1961 Mango  
2,992,440 A 7/1961 Revolt  
(Continued)

**FOREIGN PATENT DOCUMENTS**

(73) Assignee: **HB Innovations, Inc.**, Los Angeles, CA (US)

CA 2459037 8/2005  
CA 2760609 11/2010  
(Continued)

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

**OTHER PUBLICATIONS**

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Edge Banding, Kreg Newsletter, Nov. 2014, site visited Jun. 15, 2017, available online <URL:http://www.popularwoodworking.com/projects/iron-on-edge-banding>.

(Continued)

**Related U.S. Application Data**

(60) Division of application No. 29/595,780, filed on Mar. 2, 2017, now Pat. No. Des. 848,175, which is a continuation of application No. 29/522,058, filed on Mar. 27, 2015, now Pat. No. Des. 780,472.

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(51) **LOC (12) Cl.** ..... **06-02**  
(52) **U.S. Cl.**  
USPC ..... **D6/390**

(57) **CLAIM**

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

(58) **Field of Classification Search**  
USPC ..... D6/390, 391, 718, 718.26, 719, 331, D6/692.3  
CPC ..... A47D 9/00; A47D 9/005; A47D 5/006; A47D 7/00; A47D 7/002; A47D 13/063; A47D 13/065  
See application file for complete search history.

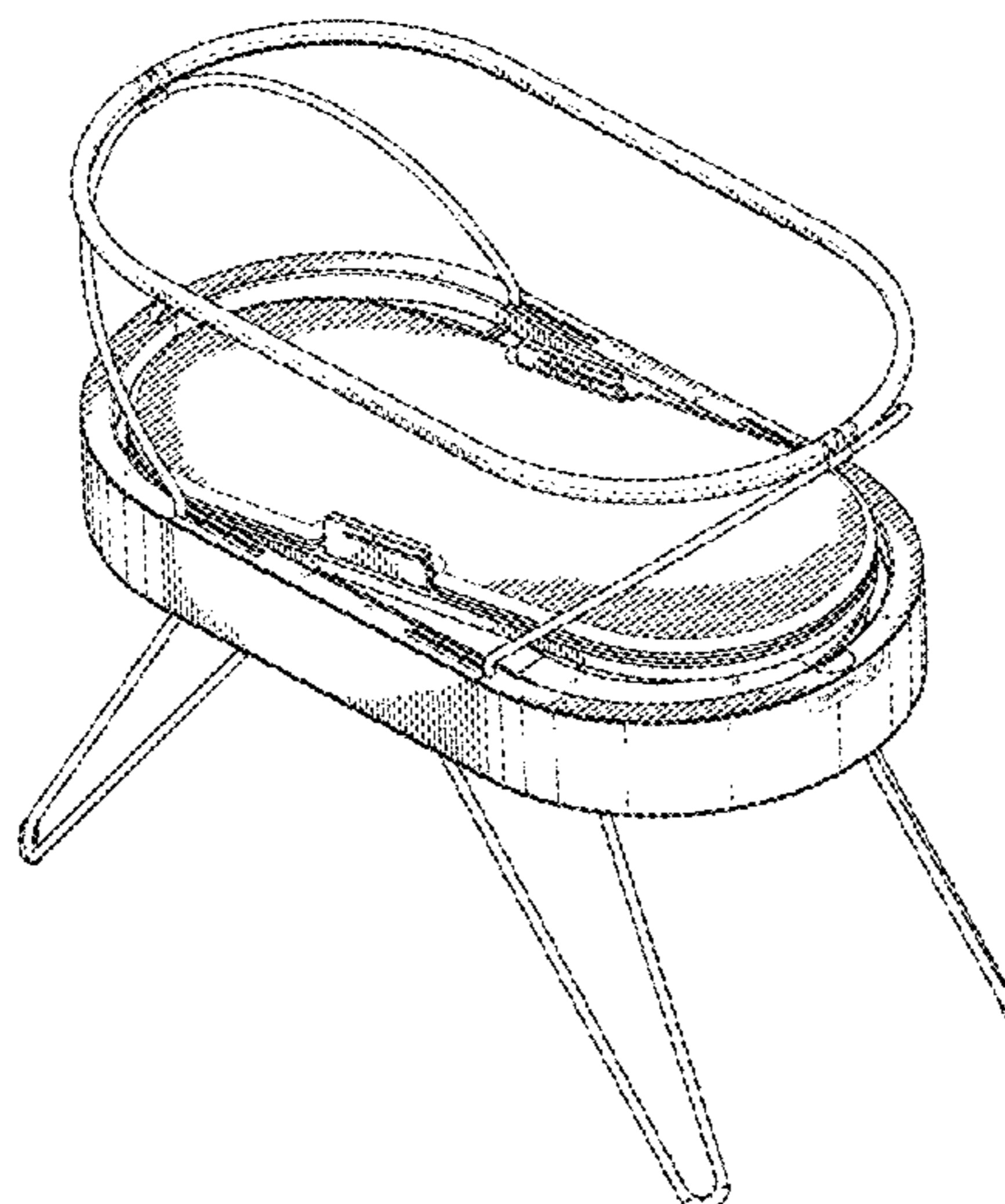
**DESCRIPTION**

FIG. 1 is a front perspective view of a bassinet showing our new design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a rear view thereof;  
FIG. 4 is a left side view thereof;  
FIG. 5 is a right side view thereof;  
FIG. 6 is a top view thereof; and,  
FIG. 7 is a bottom view thereof.  
The broken lines shown in the drawings illustrate portions of the bassinet that form no part of the claimed design.

(56) **References Cited**  
**U.S. PATENT DOCUMENTS**

1,332,400 A 3/1920 Johnson  
1,897,258 A 2/1933 Jenne

**1 Claim, 7 Drawing Sheets**



(56)

## References Cited

## U.S. PATENT DOCUMENTS

3,146,736	A	9/1964	Hetrick	7,587,769	B1	9/2009	McDermott et al.
3,536,067	A	10/1970	Sternagel	7,587,772	B2	9/2009	Ward et al.
D224,822	S	9/1972	Lee, Jr.	D605,870	S	12/2009	Bergkvist et al.
3,789,439	A	2/1974	Berg et al.	D606,282	S	12/2009	Chen
D232,279	S	8/1974	White	7,685,657	B1	3/2010	Hernandez et al.
3,886,607	A	6/1975	Dunn	D613,091	S	4/2010	Taylor
D244,890	S	7/1977	Adams	7,722,118	B2	5/2010	Bapst et al.
4,553,485	A	11/1985	Lee	D616,665	S	6/2010	Dumais
4,611,353	A	9/1986	Als et al.	7,743,442	B2	6/2010	Maloney et al.
4,619,270	A	10/1986	Margolis	7,774,875	B1	8/2010	Zeidman et al.
4,750,223	A	6/1988	D'Arcy	7,785,257	B2	8/2010	Mack et al.
4,934,997	A	6/1990	Skakas	7,857,677	B2	12/2010	Kamm
D316,339	S	4/1991	Taylor	7,918,505	B2	4/2011	King et al.
5,037,375	A	8/1991	Gatts	D640,483	S	6/2011	Daley et al.
D320,316	S	10/1991	Arnold	7,954,187	B1	6/2011	Earnest et al.
5,129,406	A	7/1992	Magnuson et al.	D644,413	S	9/2011	Keall
5,183,457	A	2/1993	Gatts et al.	8,011,037	B1	9/2011	Earnest et al.
5,228,155	A	7/1993	Shultz	8,032,958	B2	10/2011	Pieta et al.
5,295,490	A	3/1994	Dodakian	D650,153	S	12/2011	Chopak et al.
5,385,153	A	1/1995	Jamieson et al.	8,083,601	B2	12/2011	Speedie et al.
5,398,353	A	3/1995	Sachathamakul	8,096,960	B2	1/2012	Loree et al.
D367,979	S	3/1996	Lewis	8,112,835	B2	2/2012	Eirich et al.
5,577,450	A	11/1996	Huang	8,141,186	B2	3/2012	Jackson et al.
5,640,717	A	6/1997	Ray	8,191,188	B2	6/2012	Kaplan et al.
5,668,780	A	9/1997	Hsieh	8,197,005	B2	6/2012	Hopke et al.
5,684,460	A	11/1997	Scanlon	8,239,984	B2	8/2012	Hopke et al.
5,706,533	A	1/1998	Opheim	8,269,625	B2	9/2012	Hoy et al.
5,711,045	A	1/1998	Caster et al.	D669,659	S	10/2012	Barski
5,806,113	A	9/1998	McMahan et al.	8,302,225	B1	11/2012	Earnest et al.
D401,454	S	11/1998	De Blaay	8,321,980	B2	12/2012	Maloney et al.
5,845,350	A	12/1998	Beemiller et al.	D674,614	S	1/2013	Morand
5,852,827	A	12/1998	Lear et al.	8,347,432	B2	1/2013	Schmid et al.
5,855,031	A	1/1999	Swift	8,365,325	B2	2/2013	Schneider et al.
5,881,408	A	3/1999	Bashista et al.	8,375,486	B2	2/2013	Earnest et al.
D413,454	S	9/1999	Kasem	D678,693	S	3/2013	Bergkvist
D417,090	S	11/1999	Reynolds	8,395,510	B1	3/2013	Kirk
D418,440	S	1/2000	Dallaire	8,398,538	B2	3/2013	Dothie et al.
6,009,576	A	1/2000	Gramme et al.	8,429,771	B2	4/2013	Long et al.
6,011,477	A	1/2000	Teodorescu et al.	8,522,375	B2	9/2013	Conrad et al.
6,146,332	A	11/2000	Pinsonneault	8,539,620	B1	9/2013	Wynh et al.
6,148,455	A	11/2000	Kasem	D692,209	S	10/2013	Dragu
6,155,976	A	12/2000	Sackner et al.	8,555,414	B2	10/2013	Davis et al.
6,386,986	B1	5/2002	Sonner	8,561,227	B2	10/2013	Jenkins et al.
6,393,612	B1	5/2002	Thach et al.	D696,486	S	12/2013	Barski
6,415,442	B1	7/2002	Smith et al.	8,607,364	B2	12/2013	Barski et al.
6,498,652	B1	12/2002	Varshneya et al.	8,607,366	B2	12/2013	Austin
6,588,033	B1	7/2003	Welsh, Jr. et al.	8,661,582	B2	3/2014	Sclare et al.
6,594,834	B2	7/2003	Fenty et al.	8,667,631	B2	3/2014	Coates et al.
6,652,469	B2	11/2003	Pinsonnault	8,695,133	B2	4/2014	Christensen et al.
6,662,390	B1	12/2003	Berger et al.	8,726,437	B2	5/2014	Hardesty et al.
6,839,924	B2	1/2005	Sims et al.	8,745,794	B1	6/2014	McDermott
6,868,566	B2	3/2005	Gatten et al.	8,756,731	B1	6/2014	Huttner et al.
6,907,626	B1	6/2005	Welsh, Jr. et al.	8,769,737	B1	7/2014	Duggins et al.
6,916,249	B2	7/2005	Meade	8,776,265	B2	7/2014	Neveu et al.
6,928,674	B2	8/2005	Blackburn	8,777,311	B1	7/2014	Laurel et al.
6,966,082	B2	11/2005	Bloemer et al.	8,782,831	B2	7/2014	Houston et al.
D512,466	S	12/2005	White et al.	8,784,227	B2	7/2014	Speedie et al.
6,978,479	B2	12/2005	Thach et al.	D715,027	S	9/2014	Haut et al.
D518,942	S	4/2006	Dandrea	8,827,366	B2	9/2014	Daley et al.
7,043,783	B2	5/2006	Gatten et al.	8,832,880	B2	9/2014	Sheard et al.
7,076,819	B2	7/2006	Trani et al.	8,845,440	B2	9/2014	Hayt et al.
D526,133	S	8/2006	Song	8,863,329	B2	10/2014	Sofia-Mcintire et al.
7,100,724	B2	9/2006	Haigh et al.	D718,017	S	11/2014	Barski
7,123,758	B2	10/2006	Mostafavi et al.	8,898,833	B2	12/2014	Coates et al.
D536,191	S	2/2007	Kasem	8,904,580	B1	12/2014	Christensen et al.
D536,550	S	2/2007	Kasem	8,910,332	B2	12/2014	Buckson
7,181,789	B2	2/2007	Gatten et al.	8,942,783	B2	1/2015	Cervantes et al.
7,203,981	B1	4/2007	Cowgill et al.	8,943,625	B2	2/2015	Gotel et al.
7,246,392	B2	7/2007	Schmid et al.	9,003,564	B2	4/2015	Wynh
D561,978	S	2/2008	Soulides	9,020,622	B2	4/2015	Shoham et al.
7,337,482	B2	3/2008	Byrne et al.	D728,198	S	5/2015	Barski
7,347,806	B2	3/2008	Nakano et al.	D728,199	S	5/2015	Barski
7,406,725	B2	8/2008	Martin et al.	9,032,963	B2	5/2015	Grissom
7,427,921	B2	9/2008	Van	9,069,549	B2	6/2015	Buckson
7,485,086	B2	2/2009	Dickie et al.	D734,592	S	7/2015	Castillo et al.
				9,119,423	B2	9/2015	Gotel et al.
				9,131,734	B2	9/2015	Daugherty et al.
				D741,046	S	10/2015	Pelekanou
				9,155,403	B2	10/2015	Mountz et al.

(56)

## References Cited

## U.S. PATENT DOCUMENTS

D742,097 S 11/2015 Dunn  
 9,179,711 B2 11/2015 Krawchuk  
 D751,847 S 3/2016 Brown  
 9,392,881 B1 7/2016 Schmelzle  
 D780,472 S 3/2017 Behar et al.  
 9,962,012 B1 5/2018 Schmid et al.  
 D825,219 S 8/2018 Karp et al.  
 2002/0016991 A1 2/2002 Brown et al.  
 2002/0100116 A1 8/2002 Richards et al.  
 2004/0070254 A1 4/2004 Conlon et al.  
 2004/0078895 A1 4/2004 Elling et al.  
 2005/0022284 A1 2/2005 Thach  
 2005/0091743 A1 5/2005 Bloemer et al.  
 2005/0120459 A1 6/2005 McConnell et al.  
 2005/0210592 A1 9/2005 Littlehorn et al.  
 2005/0283908 A1 12/2005 Wong et al.  
 2006/0025226 A1 2/2006 Nakano et al.  
 2006/0042013 A1 3/2006 Madsen  
 2006/0084514 A1 4/2006 Speedie et al.  
 2006/0096031 A1 5/2006 Foster  
 2006/0225206 A1 10/2006 Kasem  
 2007/0056109 A1 3/2007 Forshpan et al.  
 2007/0060015 A1 3/2007 Glatt et al.  
 2007/0061968 A1 3/2007 Fader  
 2007/0085695 A1 4/2007 Nerurkar et al.  
 2007/0267904 A1 11/2007 Clapper et al.  
 2008/0077020 A1 3/2008 Young et al.  
 2008/0136236 A1 6/2008 Kincaid et al.  
 2008/0196164 A1 8/2008 Calilung  
 2008/0217150 A1 9/2008 Chen  
 2008/0314665 A1 12/2008 Sanders et al.  
 2009/0062622 A1 3/2009 Lin et al.  
 2009/0064390 A1 3/2009 Beiring et al.  
 2009/0131185 A1 5/2009 Speedie  
 2010/0044164 A1 2/2010 Thorne  
 2010/0201171 A1 8/2010 Velderman et al.  
 2010/0218299 A1 9/2010 Damir  
 2010/0228315 A1 9/2010 Nielsen  
 2010/0231421 A1 9/2010 Rawls-Meehan  
 2010/0257654 A1 10/2010 Waters et al.  
 2010/0275373 A1 11/2010 Kaplan  
 2010/0298742 A1 11/2010 Perlman  
 2010/0328075 A1 12/2010 Rahamim et al.  
 2011/0025915 A1 2/2011 Daban et al.  
 2011/0032103 A1 2/2011 Bhat et al.  
 2011/0078855 A1 4/2011 Buckson et al.  
 2011/0099719 A1 5/2011 Hardesty et al.  
 2011/0116549 A1 5/2011 Riddiford et al.  
 2011/0179546 A1 7/2011 Millette et al.  
 2011/0277210 A1 11/2011 Hardesty et al.  
 2011/0308011 A1 12/2011 Cheng et al.  
 2012/0025992 A1 2/2012 Tallent et al.  
 2012/0083670 A1 4/2012 Rotondo  
 2012/0125347 A1 5/2012 Soileau et al.  
 2012/0216349 A1 8/2012 Kaplan et al.  
 2012/0297518 A1 11/2012 Aiken et al.  
 2012/0311762 A1 12/2012 Aiken et al.  
 2013/0123654 A1 5/2013 Rahamim et al.  
 2013/0139290 A1 6/2013 Barski et al.  
 2013/0165809 A1 6/2013 Abir  
 2013/0185867 A1 7/2013 Long et al.  
 2014/0059762 A1 3/2014 Bonczek  
 2014/0068834 A1 3/2014 Skinner  
 2014/0130254 A1 5/2014 Jeong  
 2014/0163343 A1 6/2014 Heneghan et al.  
 2014/0173822 A1 6/2014 Doering et al.  
 2014/0249382 A1 9/2014 Bhat et al.  
 2014/0250558 A1 9/2014 Russo  
 2014/0250592 A1 9/2014 Karp et al.  
 2014/0265480 A1 9/2014 Perrin et al.  
 2014/0339867 A1 11/2014 Daley et al.  
 2014/0345042 A1 11/2014 Morand  
 2015/0026886 A1 1/2015 Gangan  
 2015/0045608 A1 2/2015 Karp et al.  
 2015/0059089 A1 3/2015 Falkiner

2015/0126819 A1 5/2015 Cervantes  
 2015/0250330 A1 9/2015 Mountz et al.  
 2015/0250419 A1 9/2015 Cooper et al.  
 2016/0128392 A1 5/2016 Krawchuk  
 2016/0165961 A1 6/2016 Karp  
 2016/0166081 A1 6/2016 Karp et al.  
 2016/0174619 A1 6/2016 Waters  
 2016/0174728 A1 6/2016 Karp et al.  
 2016/0310067 A1 10/2016 Heinrich et al.  
 2017/0043117 A1 2/2017 Karp et al.  
 2017/0043118 A1 2/2017 Karp et al.

## FOREIGN PATENT DOCUMENTS

CA	2848529	3/2013
CA	2918029	4/2016
EP	0617907	6/1997
EP	1435810	7/2004
EP	1748711	2/2007
EP	2617329	7/2013
EP	2197322	2/2014
EP	2292124	7/2014
EP	2768345	8/2014
EP	2915459	9/2015
EP	292812	10/2015
EP	2756136	8/2016
FR	2669201	5/1992
GB	2312374	10/1997
JP	07275091	10/1995
JP	07289394	11/1995
JP	2000510022	8/2000
KR	1020040097883	11/2004
KR	20060019024 A	3/2006
KR	1020060079587	7/2006
KR	20090121797 A	11/2009
NO	2013038248	3/2013
NO	2016055946	4/2016
WO	199817150 A2	4/1998
WO	2004107927 A1	12/2004
WO	2007062499	6/2007
WO	2010098702	9/2010
WO	2013059625	4/2013
WO	2013087955	6/2013
WO	2013135975	9/2013
WO	2013188810	12/2013
WO	2014078442	5/2014
WO	2015017709	2/2015
WO	2015078937 A1	6/2015
WO	2015143430	9/2015
WO	2016096518	6/2016
WO	2016123619	8/2016
WO	2016138441	9/2016

## OTHER PUBLICATIONS

Iron-on Edge Banding, Popular Woodworking Magazine, Sep. 19, 2008, site visited Jun. 15, 2017, available online <URL:<http://www.popularwoodworking.com/projects/iron-on-edge-banding>>.  
 Oval Crib, Fine Woodworking, <http://www.finewoodworking.com/readerproject/2009/11/11/oval-crib>, Nov. 11, 2009.  
 SNOO Bassinet, Can this High-Tech Bassinet Keep Sleep-Deprived Parents Sane?, The Wall Street Journal, <http://www.wsj.com/articles/can-this-high-tech-bassinet-keep-sleep-deprived-parents-sane>, Oct. 18, 2018.  
 Office Action issued in Australian Application No. 2012325947, dated Aug. 22, 2016.  
 Office Action issued in Mexican Patent Application No. MX/a/2014/004648, dated Mar. 24, 2017.  
 Extended European search report issued in European Patent Application No. 14831425.5, dated Feb. 24, 2017.  
 Putting Baby in SNOO Sack, <https://www.youtube.com/watch?v=NvTIOzWxG80>, Oct. 28, 2016.  
 About SUID and SIDS, Centers for Disease Control and Prevention, <http://www.cdc.gov/sids/aboutsuidandsids.htm>, Oct. 3, 2016, (accessed Nov. 3, 2016), 2 pages.

(56)

**References Cited**

## OTHER PUBLICATIONS

Infant Sleep Forum Posting, <http://www.sleepnet.com/infant/messages/501.html>, (accessed Mar. 16, 2015), 2 pages.

Safety Standard for Bassinets and Cradles; Correction, Federal Register, vol. 78, No. 247, <https://www.federalregister.gov/documents/2013/12/24/2013-30527/safety-standard-for-bassinets-and-cradles-correction> (accessed Nov. 10, 2016), Consumer Product Safety Commission, Dec. 24, 2013, 1 page.

Safety Standard for Bassinets and Cradles; Correction, Federal Register, vol. 78, No. 205, <https://www.federalregister.gov/documents/2013/10/23/2013-24203/safety-standard-for-bassinets-and-cradles> (accessed Nov. 10, 2016), Consumer Product Safety Commission, Oct. 23, 2013, 18 pages.

Safety Standard for Bedside Sleepers, Federal Register, vol. 79, No. 10, <https://www.federalregister.gov/documents/2014/01/15/2014-00597/safety-standard-for-bedside-sleepers>, (accessed Nov. 10, 2016), Consumer Product Safety Commission, Jan. 15, 2014, 9 pages.

SIDS and Other Sleep-Related Infant Deaths: Expansion of Recommendations for a Safe Infant Sleeping Environment, Task Force on Sudden Infant Death Syndrome, *Pediatrics*, vol. 128, No. 5, Nov. 2011, pp. e1341, 29 pages.

EP Application No. 12781007.5, Examination Notification Art. 94(3) dated May 5, 2015, Unacuna, LLC, 3 Pages.

AAP Task Force on SIDS, The Changing Concept of Sudden Infant Death Syndrome: Diagnostic Coding Shifts, Controversies Regarding the Sleeping Environment, and New Variables to Consider in Reducing Risk, *Peds*, vol. 116, 2005, pp. 1245-1255.

Ariagno, et al., Fewer spontaneous arousals during prone sleep in preterm infants at 1 and 3 months corrected age, *Journal of Perinatology*, vol. 26, 2006, pp. 306-312.

Carpenter, et al., Sudden unexplained infant death in 20 regions in Europe: case control study, *The Lancet*, vol. 363, No. 9404, 2004, pp. 185-191.

Colvin, et al., Sleep Environment Risks for Younger and Older Infants, *Pediatrics*, vol. 134, Jul. 2014, pp. e406-e412.

Galland, et al., Prone versus supine sleep position: a review of the physiological studies in SIDS research, *J Paediatr Child Health*, vol. 38, No. 4, Aug. 2002, pp. 332-338.

Groswasser, et al., Reduced arousals following obstructive apneas in infants sleeping prone, *Pediatric Research*, vol. 49, No. 3, 2001, pp. 402-406.

Horne, et al., Effects of body position on sleep and arousal characteristics in infants, *Early Human Development*, vol. 69, iss. 1-2, Oct. 2002, pp. 25-33.

Horne, et al., The prone sleeping position impairs arousability in term infants, *The Journal of Pediatrics*, vol. 138, No. 6, 2001, pp. 811-816.

Kato, et al., Spontaneous Arousability in Prone and Supine Position in Healthy Infants, *Sleep*, vol. 29, No. 6, 2006, pp. 785-790.

L'Hoir, et al., Risk and preventive factors for cot death in The Netherlands, a low-incidence country, *Eur J Pediatr*, fol. 157, 1998, pp. 681-688.

Li et al., Infant Sleeping Position and the Risk of Sudden Infant Death Syndrome in California, 1997-2000, *Am J Epidemiol*, vol. 157, No. 5, 2003, pp. 446-455.

McDonnell, et al., Infant Deaths and Injuries Associated with Wearable Blankets, Swaddle Wraps, and Swaddling, *J. Pediatr.*, vol. 164, No. 5, May 2014, pp. 1152-1156.

Mitchell, et al., Changing Infants' Sleep Position Increases Risk of Sudden Infant Death Syndrome, *Arch Ped Adol Med.*, vol. 153, 1999, pp. 1136-1141.

Oyen, et al., Combined effects of sleeping position and prenatal risk factors in sudden infant death syndrome: the Nordic Epidemiological SIDS Study, *Pediatrics*, vol. 100, No. 4, 1997, pp. 613-621.

International Preliminary Report on Patentability With Written Opinion for PCT/US2012/061069, dated May 1, 2014.

International Search Report and Written Opinion for PCT/US2012/061069, dated Mar. 11, 2012.

International Preliminary Report on Patentability for PCT/US2014/049253, dated Feb. 11, 2016.

International Search Report and Written Opinion for PCT/US2014/049253, dated Nov. 24, 2014.

International Search Report and Written Opinion for PCT/US2016/019878, dated May 6, 2016.

Pease, et al., Swaddling and the Risk of Sudden Infant Death Syndrome: A Meta-analysis, *Pediatrics*, vol. 137, No. 3, Jun. 2016, pp. e20153275 (11 pages).

Ponsonby, et al., Factors potentiating the risk of Sudden Infant Death Syndrome associated with the Prone Position, *NEJM*, vol. 329, 1993, pp. 377-382.

Shapiro-Mendoza, et al., Trends in Infant Bedding Use: National Infant Sleep Position Study, 1993-2010, *Pediatrics*, vol. 135, 2015, pp. 10-17.

Tuladhar, et al., Effects of sleep position, sleep state and age on heart rate responses following provoked arousal in term infants, *Early human development*, vol. 71, iss. 2, Apr. 2003, pp. 157-169.

Vennemann, et al., Sleep Environment Risk Factors for Sudden Infant Death Syndrome: The German Sudden Infant Death Syndrome Study, *Pediatrics*, vol. 123, No. 4, Apr. 2009, pp. 1162-1170.

Edge Banding, Kreg Newsletter, <http://www.kregtool.com/files/newsletters/kregplus/november14.html> (site visited Jun. 15, 2017), Nov. 2014.

Iron-on Edge Banding, *Popular Woodworking Magazine*, [popularwoodworking.com/projects/iron-on-edge-banding](http://popularwoodworking.com/projects/iron-on-edge-banding) (site visited Jun. 15, 2017), Sep. 19, 2008.

International Search Report and Written Opinion for PCT/US2017/057055, dated Feb. 1, 2018.

Never blog, URL: <https://blog.naver.com/redtony02/30103163614>.

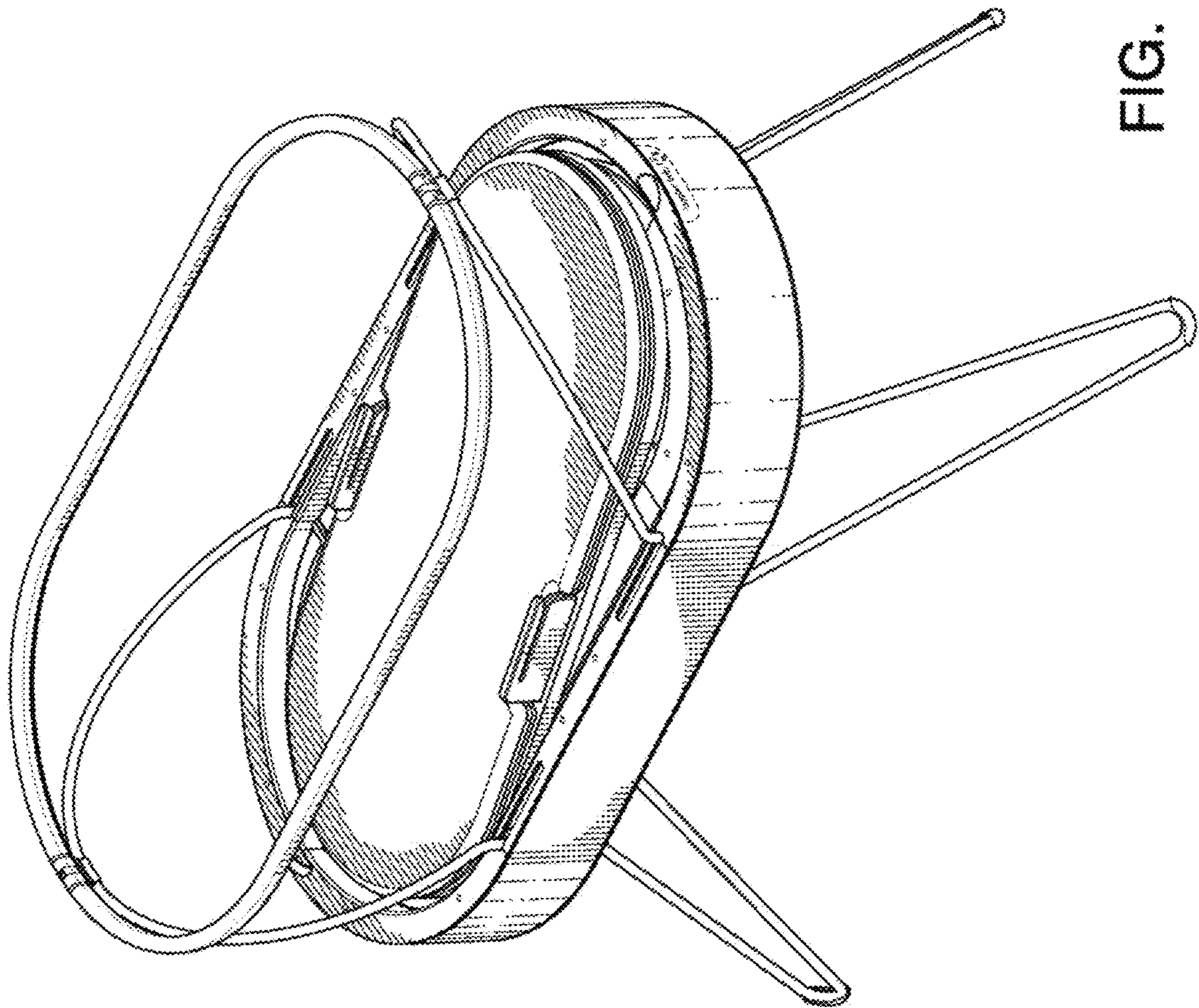


FIG. 1

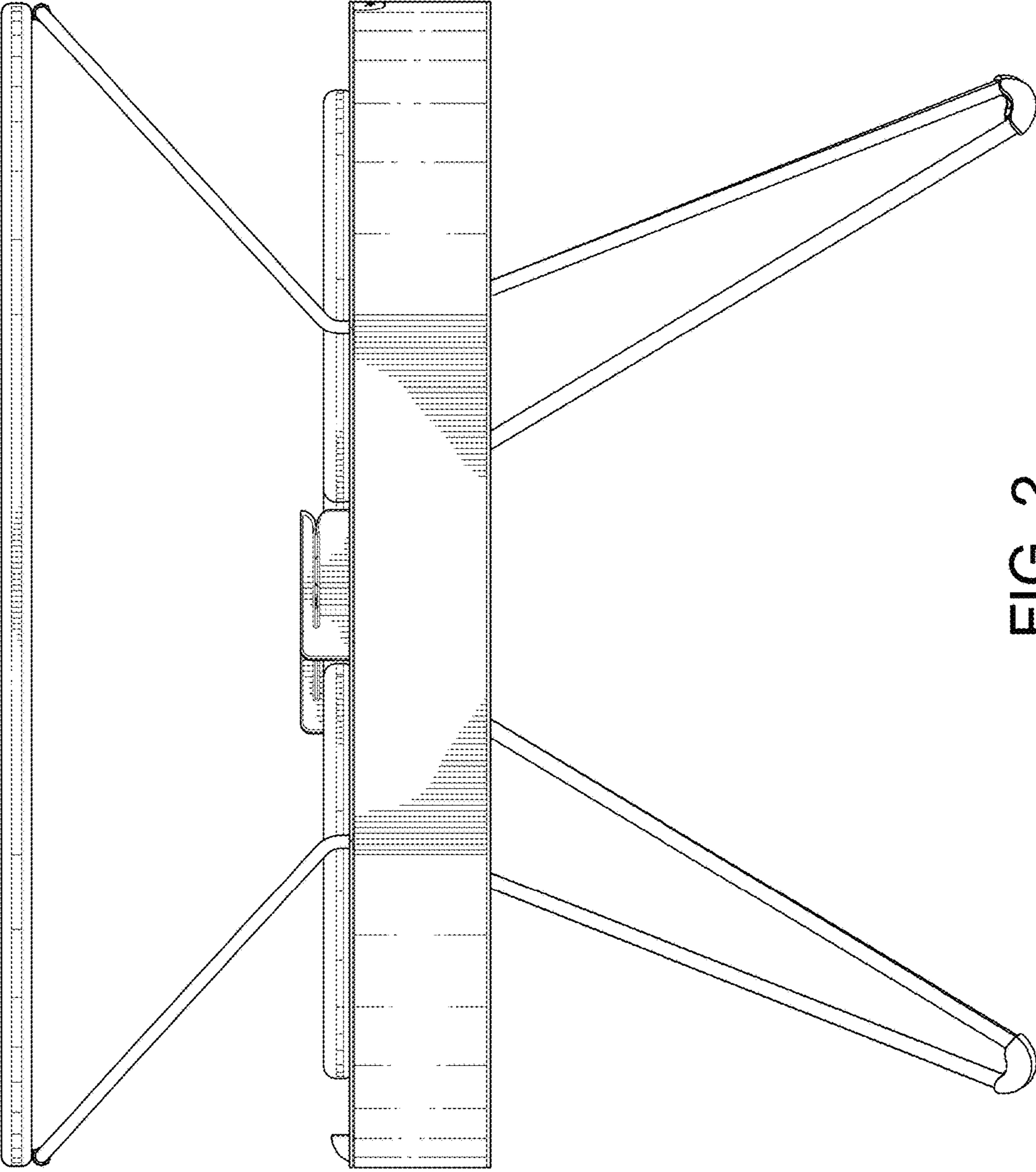


FIG. 2

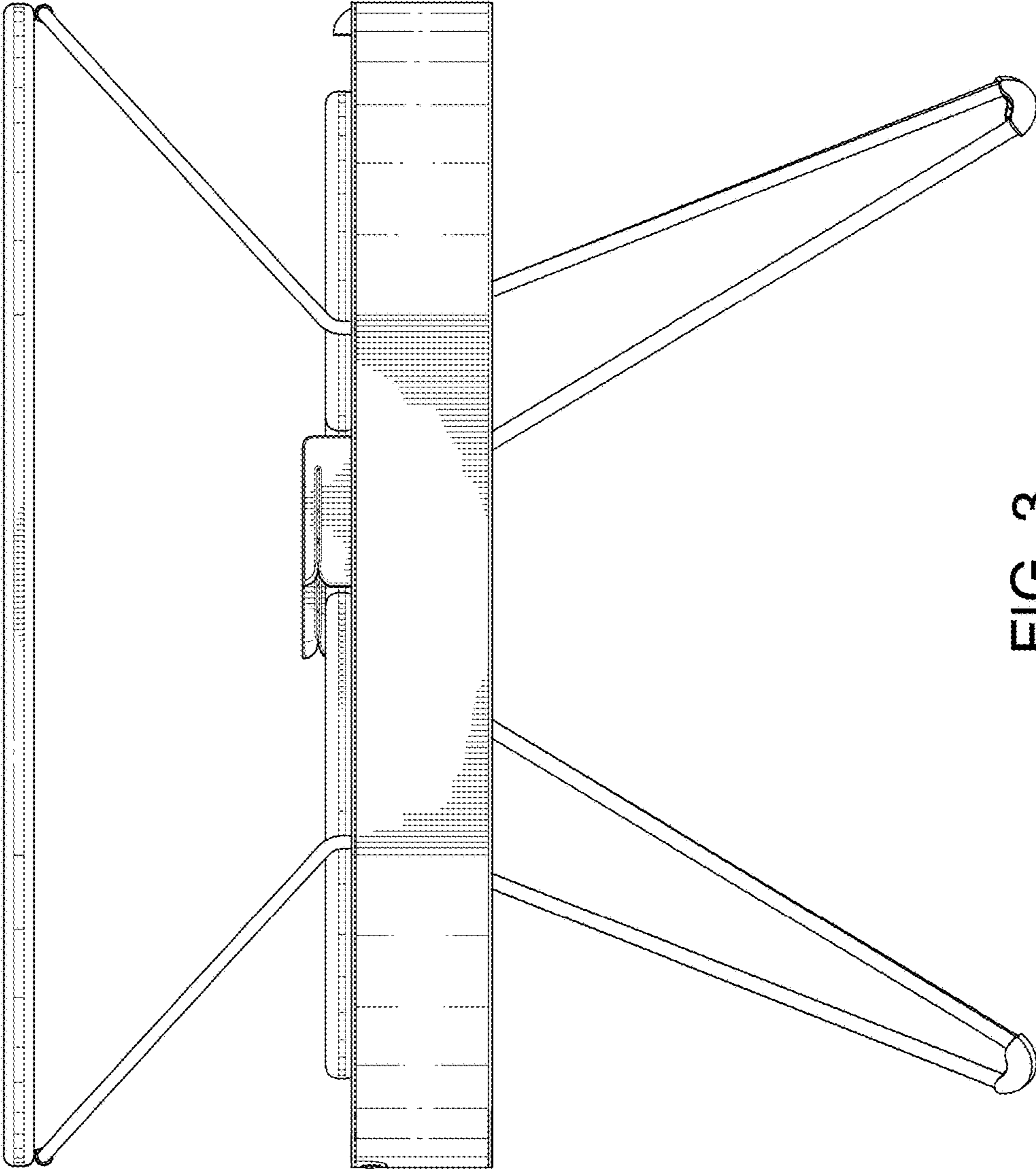


FIG. 3

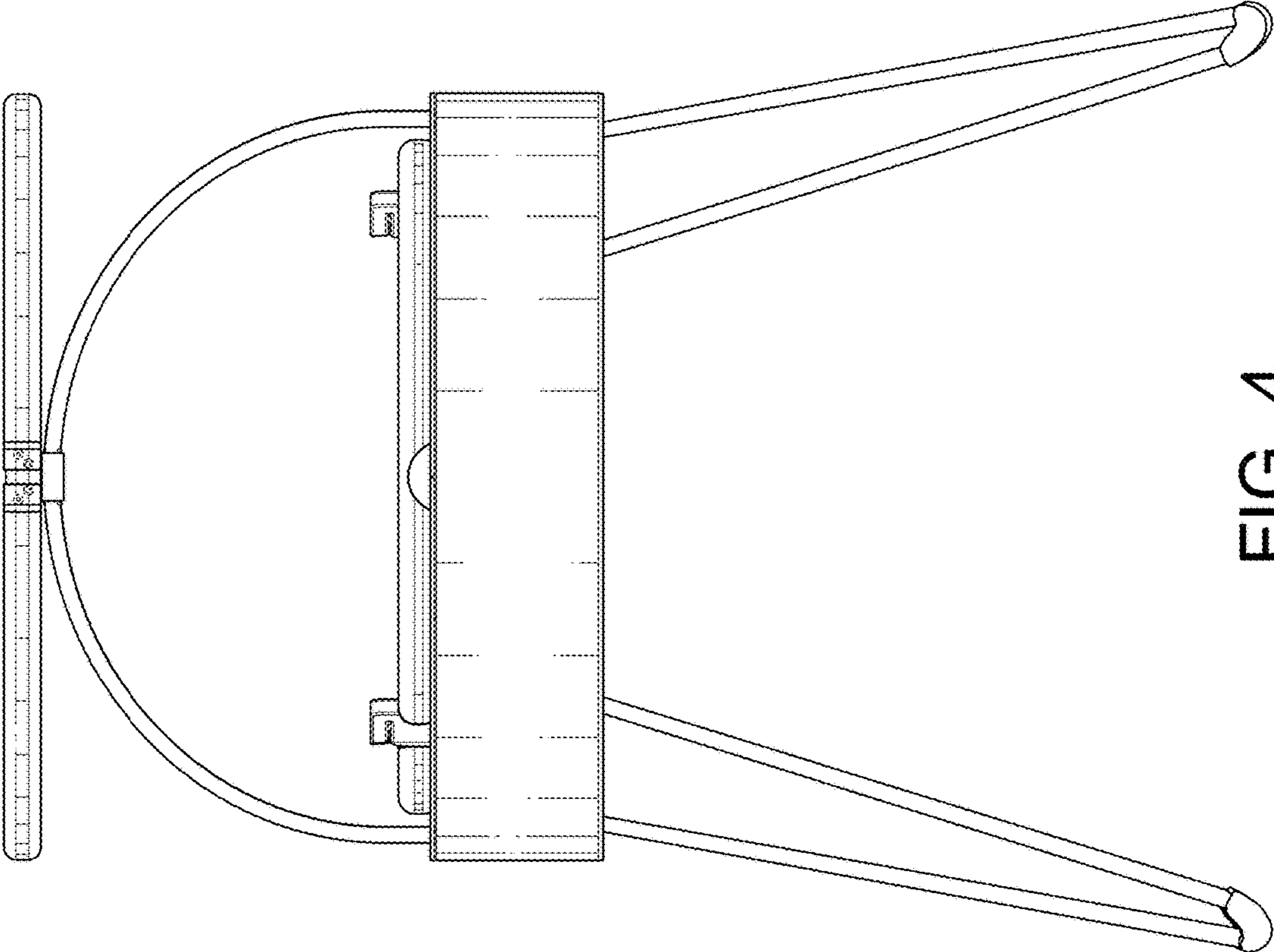


FIG. 4



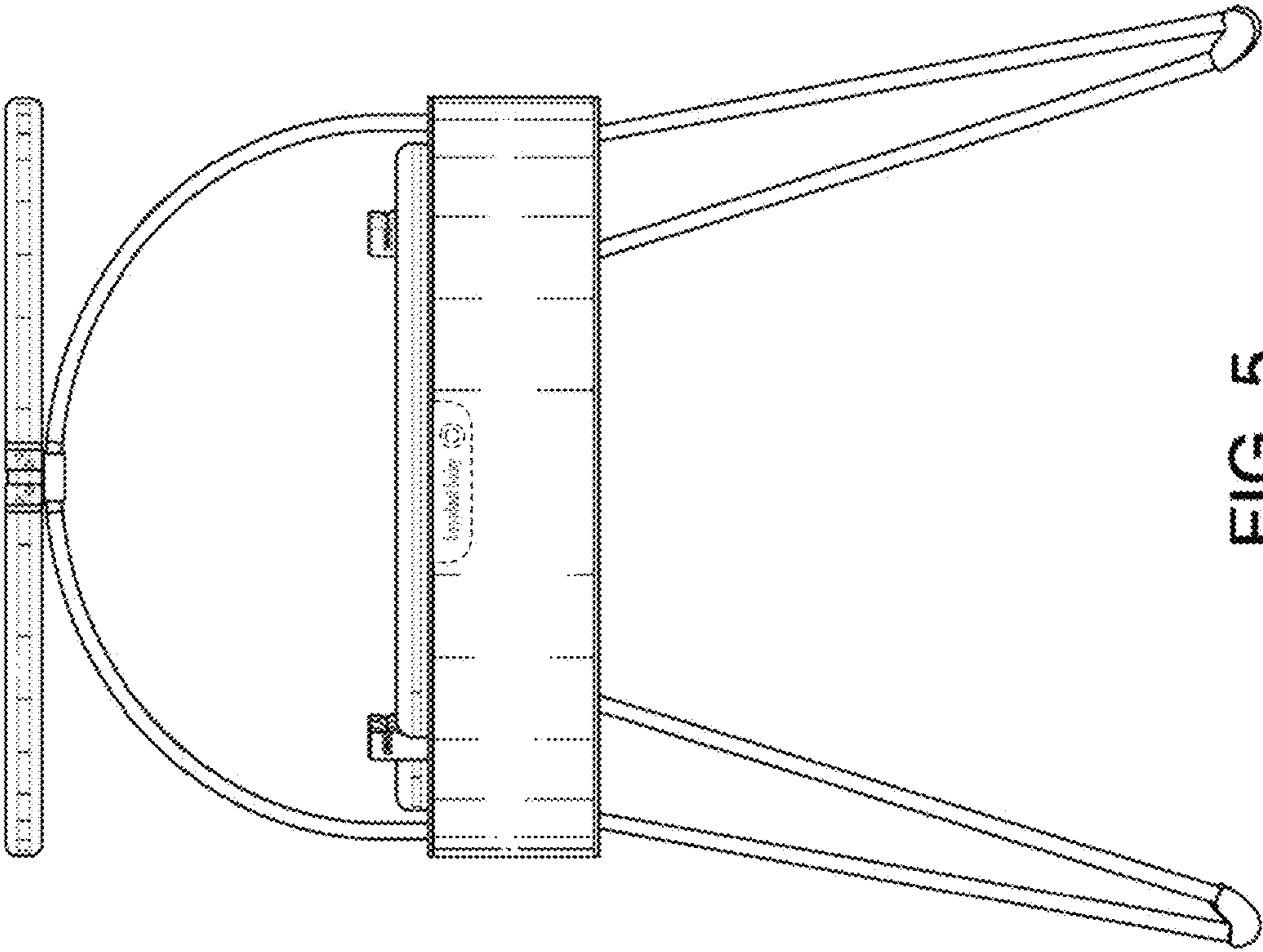


FIG. 5

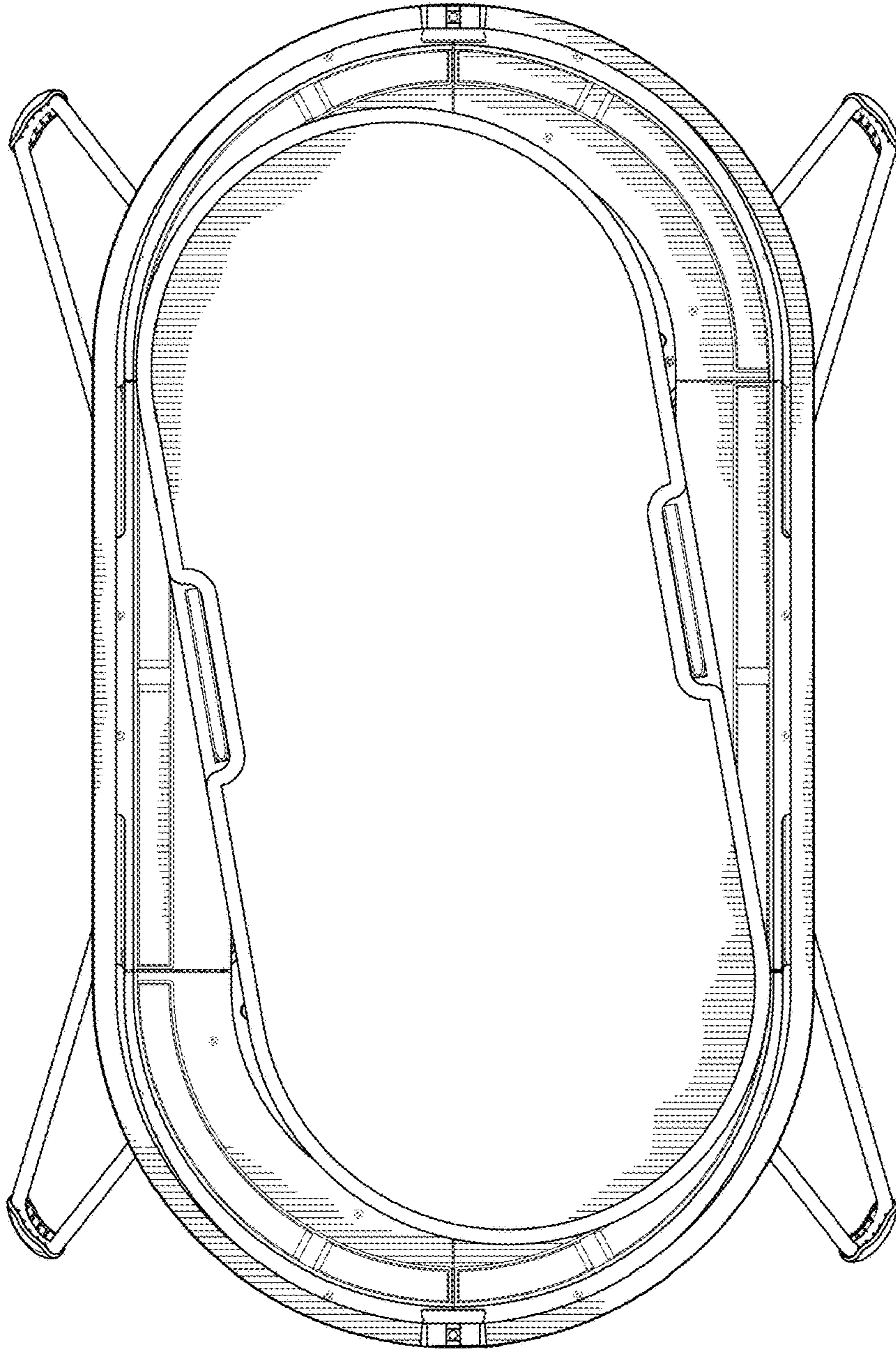


FIG. 6

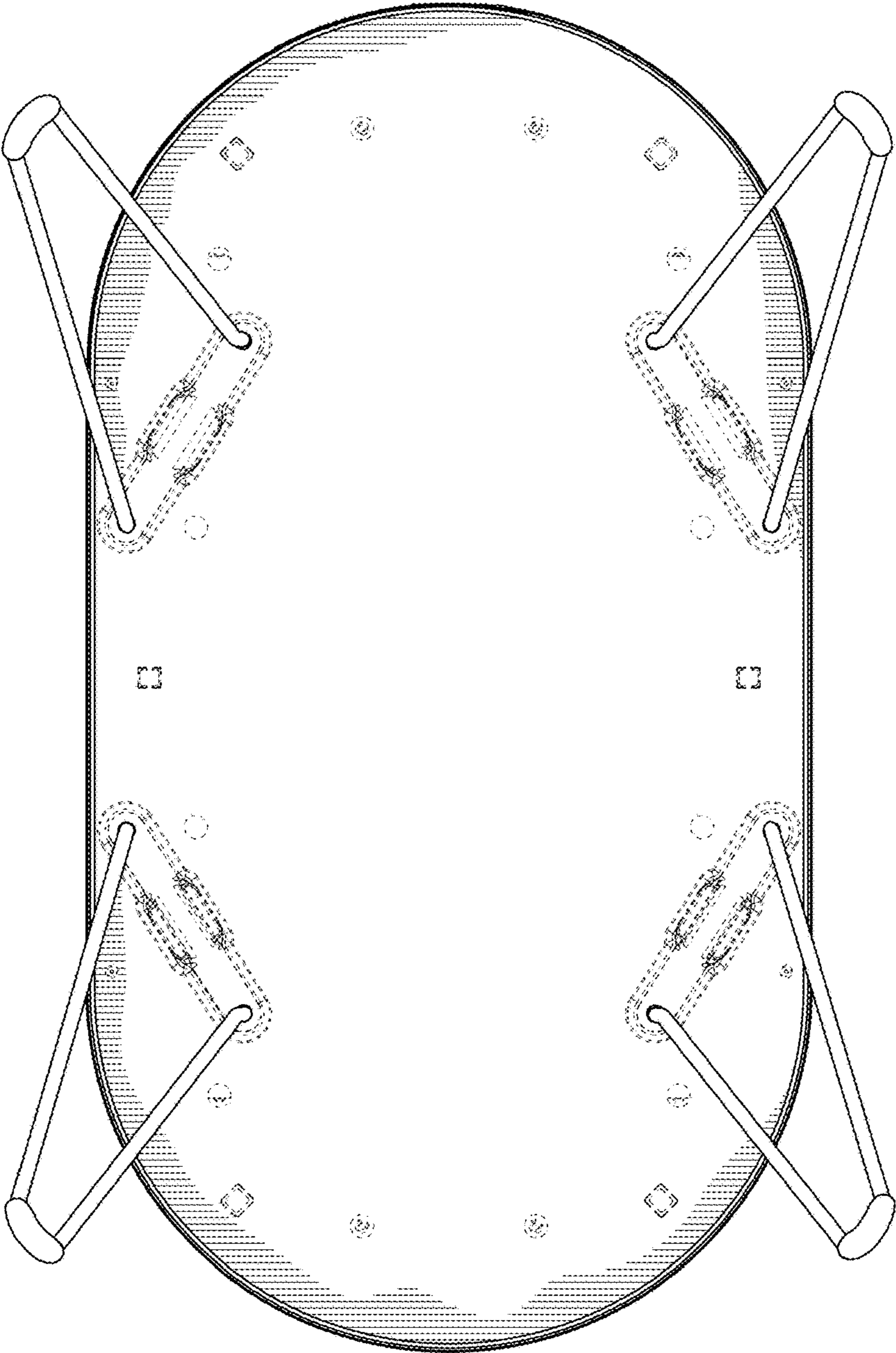


FIG. 7