



US00D948717S

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

(10) **Patent No.:** **US D948,717 S**

(45) **Date of Patent:** **** Apr. 12, 2022**

- (54) **SACRO-ILIAC GUIDE**
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- (**) Term: **15 Years**
- (21) Appl. No.: **29/652,331**
- (22) Filed: **Jul. 22, 2020**

- 5,569,246 A 10/1996 Ojima et al.
- D403,066 S 12/1998 DeFonzo
- 5,865,846 A 2/1999 Bryan et al.
- D412,032 S 7/1999 Mikula-Curtis et al.
- 5,993,453 A 11/1999 Bullara et al.
- 6,006,581 A 12/1999 Holmes
- D420,132 S 2/2000 Bucholz et al.
- 6,030,401 A 2/2000 Marino
- 6,035,691 A 3/2000 Lin et al.
- 6,063,088 A 5/2000 Winslow
- D428,989 S 8/2000 Segermark et al.
- 6,113,602 A 9/2000 Sand
- 6,142,998 A 11/2000 Smith et al.
- 6,221,077 B1 4/2001 Rinner et al.
- 6,290,724 B1 9/2001 Marino
- 6,309,395 B1 10/2001 Smith et al.
- 6,328,738 B1 12/2001 Suddaby
- 6,364,880 B1 4/2002 Michelson
- 6,644,087 B1 11/2003 Ralph et al.
- 6,711,432 B1 3/2004 Krause et al.
- 6,719,795 B1 4/2004 Cornwall et al.
- 6,755,839 B2 6/2004 Van Hoeck et al.
- 7,014,640 B2 3/2006 Kemppanien et al.
- 7,025,769 B1 4/2006 Ferree
- 7,077,864 B2 7/2006 Byrd, III et al.
- D532,515 S 11/2006 Buttler et al.
- D533,664 S 12/2006 Buttler et al.
- 7,207,992 B2 4/2007 Ritland
- 7,235,076 B2 6/2007 Pacheco
- 7,288,093 B2 10/2007 Michelson
- 7,341,590 B2 3/2008 Ferree
- 7,387,643 B2 6/2008 Michelson
- 7,406,775 B2 8/2008 Funk et al.
- 7,454,939 B2 11/2008 Garner et al.
- 7,491,180 B2 2/2009 Pacheco
- 7,559,931 B2 7/2009 Stone
- 7,623,902 B2 11/2009 Pacheco
- D606,195 S 12/2009 Eisen et al.
- 7,658,610 B2 2/2010 Knopp
- D618,796 S 6/2010 Cantu et al.
- 7,844,356 B2 11/2010 Matov et al.
- 7,955,355 B2 6/2011 Cin
- 7,957,824 B2 6/2011 Boronvinskih et al.
- 7,957,831 B2 6/2011 Isaacs
- 7,967,868 B2 6/2011 White et al.
- D642,263 S 7/2011 Park
- D649,245 S 11/2011 Klebs
- 8,057,482 B2 11/2011 Stone et al.
- 8,070,752 B2 12/2011 Metzger et al.
- 8,092,465 B2 1/2012 Metzger et al.
- 8,118,815 B2 2/2012 van der Walt
- 8,159,753 B2 4/2012 Ojeda et al.
- 8,167,884 B2 5/2012 Pacheco

Related U.S. Application Data

(60) Division of application No. 29/675,498, filed on Jan. 2, 2019, now Pat. No. Des. 895,111, which is a continuation of application No. 15/997,404, filed on Jun. 4, 2018, now Pat. No. 11,039,889.

(51) **LOC (13) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/140**

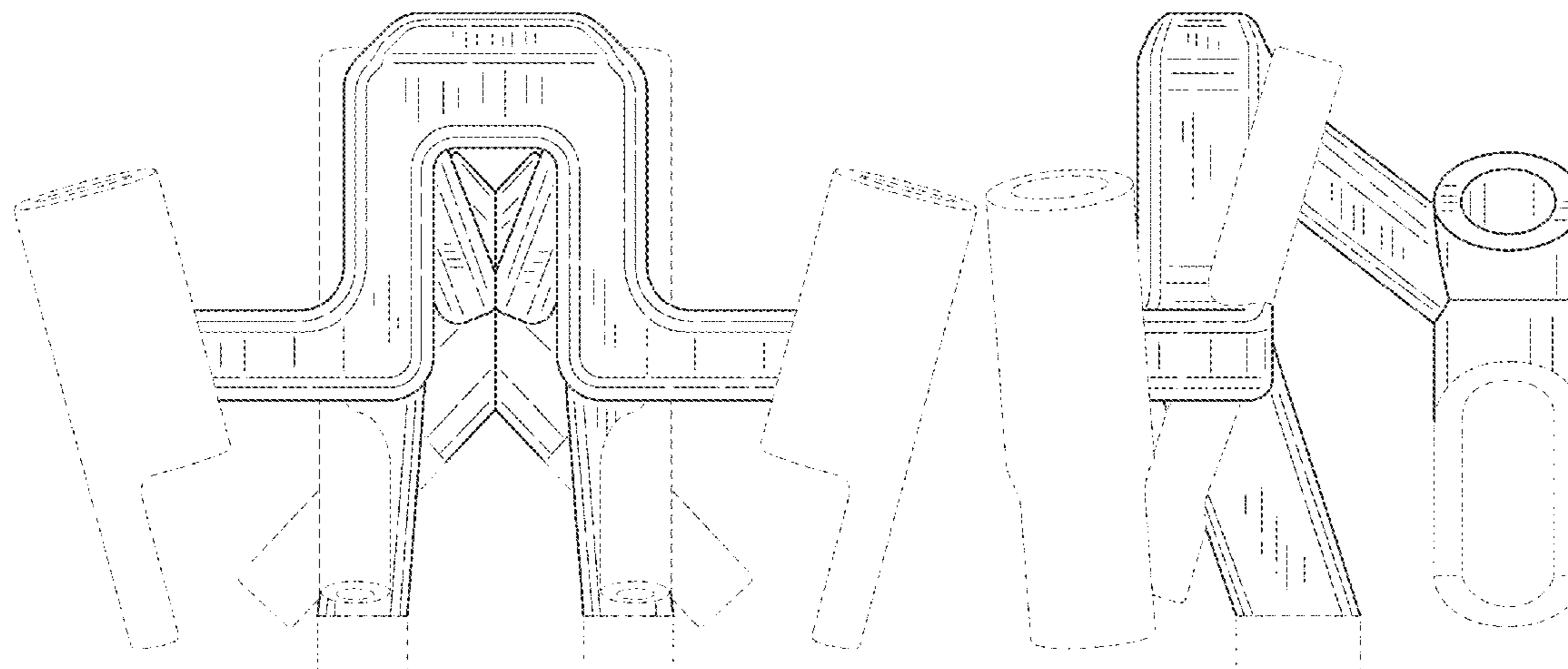
(58) **Field of Classification Search**
USPC D24/140, 135, 133
CPC A61B 17/1757; A61B 34/10; A61B 2034/108; A61F 2/4611; A61F 2/4405; A61F 2002/30952; A61F 2002/4687; A61F 2310/00023; A61F 2310/00029; A61F 2310/00047; G09B 23/30

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 3,151,392 A 10/1964 Chambers
- 5,201,734 A 4/1993 Cozad et al.
- D359,557 S 6/1995 Hayes
- 5,490,409 A 2/1996 Weber
- 5,527,312 A 6/1996 Ray



US D948,717 S

8,175,683 B2	5/2012	Roose	10,166,033 B2	1/2019	Keiley et al.
8,206,396 B2	6/2012	Trabish	D857,893 S	8/2019	Frey
8,214,014 B2	7/2012	Pacheco	D858,765 S	9/2019	Frey
8,236,006 B2	8/2012	Hamada	D895,111 S *	9/2020	Frey D24/140
8,241,293 B2	8/2012	Stone	11,039,889 B2 *	6/2021	Frey A61B 34/10
8,257,083 B2	9/2012	Berckmans et al.	2004/0097925 A1	5/2004	Boehm et al.
D669,176 S	10/2012	Frey	2004/0144149 A1	7/2004	Strippgen et al.
D669,984 S	10/2012	Cheney et al.	2004/0243481 A1	12/2004	Bradbury et al.
8,277,461 B2	10/2012	Pacheco	2005/0148843 A1	7/2005	Roose
8,282,646 B2	10/2012	Schoenefeld	2005/0177156 A1	8/2005	Timm et al.
8,298,235 B2	10/2012	Grinberg	2005/0262911 A1	12/2005	Dankowicz et al.
8,298,237 B2	10/2012	Schoenefeld	2006/0058792 A1	3/2006	Hynes
8,298,242 B2	10/2012	Justis et al.	2006/0084986 A1	4/2006	Grinberg et al.
D672,038 S	12/2012	Frey	2006/0095044 A1	5/2006	Grady, Jr. et al.
8,357,111 B2	1/2013	Caillouette et al.	2006/0149375 A1	7/2006	Yuan et al.
8,377,066 B2	2/2013	Katrana et al.	2006/0241385 A1	10/2006	Dietz
8,407,067 B2	3/2013	Ulthgenannt et al.	2007/0227216 A1	10/2007	Schalliol
8,419,740 B2	4/2013	Aram et al.	2007/0288030 A1	12/2007	Metzger et al.
D685,087 S	6/2013	Voic	2008/0086127 A1	4/2008	Patterson et al.
8,460,303 B2	6/2013	Park	2008/0114370 A1	5/2008	Schoenefeld
8,480,679 B2	7/2013	Park et al.	2008/0161815 A1	7/2008	Schoenefeld et al.
8,535,387 B2	9/2013	Meridew et al.	2008/0183214 A1	7/2008	Copp et al.
8,540,719 B2	9/2013	Peukert et al.	2008/0255564 A1	10/2008	Michelson
D691,719 S	10/2013	Park	2008/0257363 A1	10/2008	Schoenefeld et al.
8,545,509 B2	10/2013	Park et al.	2008/0275452 A1	11/2008	Lang et al.
8,549,888 B2	10/2013	Isaacs	2008/0306552 A1	12/2008	Winslow
8,568,487 B2	10/2013	Witt et al.	2008/0312659 A1	12/2008	Metzger et al.
8,591,516 B2	11/2013	Metzger et al.	2008/0319491 A1	12/2008	Schoenefeld
8,603,180 B2	12/2013	White et al.	2009/0076555 A1	3/2009	Lowry et al.
8,607,603 B2	12/2013	Justis et al.	2009/0087276 A1	4/2009	Rose
8,608,748 B2	12/2013	Metzger et al.	2009/0088674 A1	4/2009	Caillouette et al.
8,608,749 B2	12/2013	Witt et al.	2009/0088761 A1	4/2009	Roose et al.
8,632,547 B2	1/2014	Metzger et al.	2009/0088763 A1	4/2009	Aram et al.
8,668,700 B2	3/2014	Catanzarite	2009/0093816 A1	4/2009	Roose et al.
D705,929 S	5/2014	Frey	2009/0099567 A1	4/2009	Zajac
8,721,651 B2	5/2014	Loke et al.	2009/0105760 A1	4/2009	Frey
8,758,357 B2	6/2014	Frey	2009/0110498 A1	4/2009	Park
8,808,302 B2	8/2014	White et al.	2009/0138020 A1	5/2009	Park et al.
8,808,303 B2	8/2014	Stemniski et al.	2009/0187194 A1	7/2009	Hamada
8,858,561 B2	10/2014	White et al.	2009/0198277 A1	8/2009	Gordon et al.
8,864,769 B2	10/2014	Stone et al.	2009/0254093 A1	10/2009	White et al.
8,870,889 B2	10/2014	Frey	2009/0270868 A1	10/2009	Park et al.
D718,862 S	12/2014	Matheny	2009/0326537 A1	12/2009	Anderson
D718,863 S	12/2014	Matheny	2010/0016984 A1	1/2010	Trabish
D718,864 S	12/2014	Matheny	2010/0049195 A1	2/2010	Park et al.
8,979,749 B2	3/2015	Gorek et al.	2010/0082035 A1	4/2010	Keefer
8,992,538 B2	3/2015	Keefer	2010/0087829 A1	4/2010	Metzger et al.
D726,914 S	4/2015	Matheny	2010/0100193 A1	4/2010	White
9,017,412 B2	4/2015	Wolters et al.	2010/0152782 A1	6/2010	Stone et al.
9,044,285 B2	6/2015	Harper	2010/0185204 A1	7/2010	Buttermann et al.
9,066,727 B2	6/2015	Catanzarite et al.	2010/0191244 A1	7/2010	White et al.
9,066,816 B2	6/2015	Allard et al.	2010/0217270 A1	8/2010	Polinski et al.
9,113,971 B2	8/2015	Metzger et al.	2010/0217336 A1	8/2010	Crawford et al.
D738,498 S	9/2015	Frey et al.	2010/0305700 A1	12/2010	Ben-Arye et al.
9,138,325 B2	9/2015	Mouw	2010/0324692 A1	12/2010	Uthgenannt et al.
9,173,661 B2	11/2015	Metzger et al.	2011/0015636 A1	1/2011	Katrana et al.
D745,671 S	12/2015	Frey et al.	2011/0015639 A1	1/2011	Metzger et al.
D745,672 S	12/2015	Frey et al.	2011/0046735 A1	2/2011	Metzger et al.
D745,673 S	12/2015	Frey et al.	2011/0054478 A1	3/2011	Vanasse et al.
9,198,678 B2	12/2015	Frey et al.	2011/0071533 A1	3/2011	Metzger et al.
D747,480 S	1/2016	Geebelen	2011/0046628 A1	4/2011	Jamali
D747,481 S	1/2016	Geebelen	2011/0093023 A1	4/2011	Lee et al.
9,289,253 B2	3/2016	Sweeney	2011/0093086 A1	4/2011	Witt et al.
9,486,324 B2	11/2016	Hochschul	2011/0160736 A1	6/2011	Meridew et al.
D775,335 S	12/2016	Frey et al.	2011/0160867 A1	6/2011	Meridew et al.
9,642,633 B2	5/2017	Frey et al.	2011/0166578 A1	7/2011	Stone et al.
9,649,160 B2	5/2017	van der Walt et al.	2011/0184419 A1	7/2011	Meridew et al.
9,662,157 B2	5/2017	Schneider et al.	2011/0184526 A1	7/2011	White et al.
9,675,400 B2	6/2017	Katrana et al.	2011/0190899 A1	8/2011	Pierce et al.
9,737,339 B2	8/2017	Copp et al.	2011/0213376 A1	9/2011	Maxson et al.
9,814,497 B1	11/2017	Al-Habib et al.	2011/0218545 A1	9/2011	Catanzarite et al.
9,826,991 B2	11/2017	Kaiser et al.	2011/0224674 A1	9/2011	White et al.
9,839,448 B2	12/2017	Reckling et al.	2011/0288433 A1	11/2011	Kelleher et al.
9,848,922 B2	12/2017	Tohmeh et al.	2011/0319745 A1	12/2011	Frey
9,913,669 B1	3/2018	Scholl et al.	2012/0041445 A1	2/2012	Roose et al.
9,949,843 B2	4/2018	Reiley et al.	2012/0130434 A1	5/2012	Stemniski et al.
9,968,408 B1	5/2018	Casey et al.	2012/0150243 A9	6/2012	Crawford et al.
9,987,024 B2	6/2018	Frey et al.	2012/0179259 A1	7/2012	McDonough et al.
10,085,784 B2	10/2018	Ono et al.	2012/0215315 A1	8/2012	Hochschul et al.

US D948,717 S

Page 3

2012/0245587	A1	9/2012	Fang	
2013/0006251	A1	1/2013	Aram et al.	
2013/0053854	A1	2/2013	Schoenefeld et al.	
2013/0110174	A1	5/2013	Marik	
2013/0123850	A1	5/2013	Schoenefeld et al.	
2013/0218163	A1	8/2013	Frey	
2014/0137618	A1	5/2014	Isaacs	
2014/0350614	A1	11/2014	Frey	
2014/0379032	A1	12/2014	Hennard	
2015/0047410	A1	2/2015	Petit et al.	
2015/0127053	A1	5/2015	Maruenda et al.	
2015/0297249	A1	10/2015	Catanzarite	
2016/0030067	A1	2/2016	Frey et al.	
2016/0270802	A1	9/2016	Fang et al.	
2017/0215857	A1	8/2017	D'Urso	
2018/0271602	A1	9/2018	Frey	
2020/0138519	A1*	5/2020	Frey	A61B 17/7071
2020/0360105	A1*	11/2020	Frey	A61B 17/88

WO	WO2014143762	9/2014
WO	WO2014198279	12/2014
WO	WO2016148675	9/2016

OTHER PUBLICATIONS

Brussel et al. "Medical Image-Based Design of an Individualized Surgical Guide for Pedicle Screw Insertion." 18th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Amsterdam 1996, pp. 225-226.

Dai et al. "Surgical treatment of the osteoporotic spine with bone cement-injectable cannulated pedicle screw fixation: technical description and preliminary application in 43 patients," Clinics, Feb. 2015, vol. 70, No. 2, pp. 114-119.

Extended Search Report for European Patent Application No. 11804191.2, dated May 7, 2015. 8 pages.

Extended Search Report for European Patent Application No. 13778164.7, dated Feb. 17, 2016. 10 pages.

Hong et al. "Binder-jetting 3D printing and alloy development of new biodegradable Fe—Mn—Ca/Mg alloys," Acta Biomaterialia, Nov. 2016, vol. 45, pp. 375-386 (Abstract only) 4 pages.

International Preliminary Report on Patentability for International (PCT) Patent Application No. PCT/US11/42412 dated Jan. 17, 2013, 7 pages.

International Preliminary Report on Patentability for International Patent Application No. PCT/US2013/036535, dated Oct. 30, 2014, 7 pages.

International Preliminary Report on Patentability for International Patent Application No. PCT/US2014/041379, dated Dec. 17, 2015, 6 pages.

International Preliminary Report on Patentability for International Patent Application No. PCT/US2015/032356, dated Dec. 15, 2016, 7 pages.

International Search Report and Written Opinion for International Patent Application No. PCT/US11/42412 dated Nov. 8, 2011.

International Search Report and Written Opinion for International Patent Application No. PCT/US15/32356, dated Oct. 28, 2015, 10 pages.

International Search Report and Written Opinion for International Patent Application No. PCT/US2013/036535, dated Jun. 26, 2013, 8 pages.

International Search Report and Written Opinion for International Patent Application No. PCT/US2014/041379, dated Oct. 28, 2014, 7 pages.

International Search Report and Written Opinion for International Patent Application No. PCT/US2016/056970, dated Mar. 10, 2017, 13 pages.

Introducing IntelliSense Drill Technology®, McGinley Orthopaedic Innovations, 1 page, [captured Feb. 29, 2016 from: <http://web.archive.org/web/20160229042028/http://www.mcginleyorthopaedicinnovations.com/index.php/?pages/drill>].

Jakus et al. "Hyperelastic "bone": A highly versatile, growth factor-free, osteoregenerative, scalable, and surgically friendly biomaterial," Science Translational Medicine, Sep. 2016, vol. 8, No. 358, pp. 358ra127 (Abstract only) 5 pages.

Lu et al. "A novel computer-assisted drill guide template for lumbar pedicle screw placement: a cadaveric and clinical study." The International Journal of Medical Robotics and Computer Assisted Surgery, Jun. 2009, vol. 5, No. 2, pp. 184-191. (Abstract Only).

Lu et al. "A Novel Patient-Specific Navigational Template for Cervical Pedicle Screw Placement," Spine, Dec. 15, 2009, vol. 34, No. 26, pp. E959-E966 (Abstract Only).

Notice of Allowance for U.S. Appl. No. 13/172,683 dated Apr. 23, 2014, 7 pages.

Notice of Allowance for U.S. Appl. No. 13/841,069, dated Sep. 18, 2014, 7 pages.

Notice of Allowance for U.S. Appl. No. 14/298,624, dated Oct. 7, 2015, 7 pages.

Notice of Allowance for U.S. Appl. No. 14/883,299, dated Mar. 20, 2017, 12 pages.

Notice of Allowance for U.S. Appl. No. 29/409,734, dated May 11, 2012, 8 pages.

FOREIGN PATENT DOCUMENTS

CA	2736525	3/2010
CA	2862341	8/2013
CN	201275138	7/2009
CN	201404283	2/2010
CN	101390773	11/2010
CN	101953713	1/2011
CN	104306061	1/2015
CN	105078563	11/2015
CN	106175911	12/2016
CN	104224306	8/2017
DE	102013110699	4/2015
DE	202014011170	U1 4/2018
EM	006192001-0001	* 4/2019
EM	006192001-0002	* 4/2019
EM	006192001-0003	* 4/2019
EM	006192001-0004	* 4/2019
EM	006192001-0005	* 4/2019
EM	006192001-0006	* 4/2019
EP	2168507	3/2010
EP	2957244	12/2015
EP	2749235	8/2017
EP	3381382	10/2018
FR	3012030	12/2015
FR	3023655	4/2018
GB	2447702	9/2008
JP	2006-528533	12/2006
JP	2008-514362	5/2008
JP	2012-143379	8/2012
JP	D1508406	10/2014
WO	WO2001037728	8/2002
WO	WO2004071314	8/2004
WO	WO2006039266	4/2006
WO	WO2007145937	12/2007
WO	WO2008027549	3/2008
WO	WO2009004625	1/2009
WO	WO2009035358	3/2009
WO	WO2006017641	4/2009
WO	WO2008157412	4/2009
WO	WO2009129063	10/2009
WO	WO2009105106	12/2009
WO	WO2010033431	3/2010
WO	WO2010148103	12/2010
WO	WO2011041398	4/2011
WO	WO2011080260	7/2011
WO	WO2011106711	9/2011
WO	WO2011109260	9/2011
WO	WO2012082164	6/2012
WO	WO2012152900	11/2012
WO	WO2013041618	3/2013
WO	WO2013104682	7/2013
WO	WO2013169674	11/2013
WO	WO2013173700	11/2013
WO	WO2014070889	5/2014
WO	WO2014088801	6/2014
WO	WO2014090908	6/2014
WO	WO2014095853	6/2014

Notice of Allowance for U.S. Appl. No. 29/427,918, dated Oct. 15, 2012. 9 pages.
 Notice of Allowance for U.S. Appl. No. 29/432,668 dated Nov. 27, 2013. 11 pages.
 Notice of Allowance for U.S. Appl. No. 29/476,699, dated Oct. 2, 2015. 8 pages.
 Notice of Allowance for U.S. Appl. No. 29/476,705, dated Oct. 7, 2015. 8 pages.
 Notice of Allowance for U.S. Appl. No. 29/476,709, dated Nov. 6, 2015. 8 pages.
 Notice of Allowance for U.S. Appl. No. 29/496,231, dated Jul. 23, 2015. 10 pages.
 Notice of Allowance for U.S. Appl. No. 29/538,633, dated Jan. 6, 2016. 10 pages.
 Notice of Allowance with English Translation for Japan Patent Application No. 2013-518663, dated Dec. 8, 2015. 4 pages.
 Notice of Allowance with English Translation for Japan Patent Application No. 2015-507078, dated Jan. 10, 2017. 4 pages.
 Official Action for Australian Patent Application No. 2011276468 dated Apr. 10, 2013, 3 Pages.
 Official Action for Canada Patent Application No. 2,802,094, dated Feb. 14, 2017, 4 pages.
 Official Action for Canada Patent Application No. 2,914,005, dated Feb. 3, 2017, 3 pages.
 Official Action for China Patent Application No. 201180029692.7, dated Oct. 8, 2014 12 pages.
 Official Action for European Patent Application No. 11804191.2, dated Feb. 17, 2017, 5 pages.
 Official Action for U.S. Appl. No. 13/172,683, dated Feb. 24, 2014, 10 pages.
 Official Action for U.S. Appl. No. 13/172,683, dated Sep. 10, 2013 7 pages.
 Official Action for U.S. Appl. No. 13/841,069 dated Jul. 8, 2014, 6 pages.
 Official Action for U.S. Appl. No. 13/841,069, dated Jul. 31, 2014 9 pages.
 Official Action for U.S. Appl. No. 14/298,634, dated Apr. 27, 2015 8 pages.
 Official Action for U.S. Appl. No. 14/298,634, dated Jul. 7, 2015 6 pages.
 Official Action with English Translation for China Patent Application No. 201380030638.3, dated Feb. 4, 2017. 6 pages.
 Official Action with English Translation for China Patent Application No. 201380030638.3, dated May 25, 2016. 11 pages.
 Official Action with English Translation for Japan Patent Application No. 2013-518663, dated May 12, 2015. 4 pages.
 Official Action with English Translation for Russia Patent Application No. 2014143528/14, dated Jan. 13, 2017. 8 pages.
 Owen et al. "Rapid prototype patient-specific drill template for cervical pedicle screw placement." *Computer Aided Surgery*, Sep. 2007, vol. 12, No. 5, pp. 303-308 (Abstract Only).
 Partial Search Report for European Patent Application No. 11804191.2, dated Jan. 20, 2015 6 pages.
 Ryken et al. "Image-based drill templates for cervical pedicle screw placement Laboratory investigation," *Journal of Neurosurgery*, Jan. 2009, vol. 10, No. 1 (Abstract Only).
 Yin et al. "Computer aid designed digital targeting template of pedicle of vertebral arch for atlantoaxial nailing," *IT in Medicine & Education*, 2009. ITIME '09. Aug. 14-16, 2009, vol. 1 (Abstract Only).
 Examination Report No. 1 for AU2016338436. dated Sep. 22, 2020. 6 pages.
 Examiner Requisition for CA3001898. Jan. 7, 2020. 3 pages.

Examination Report for IN201617045149. dated Jun. 12, 2020. 5 pages.
 Office Action in BR112018007443-8. dated Jun. 9, 2020. 4 pages.

* cited by examiner

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(57) **CLAIM**

The ornamental design for a sacro-iliac guide, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a sacro-iliac guide, showing our new design in a first environment;
 FIG. 2 is a rear perspective view of the sacro-iliac surgical guide illustrated in FIG. 1;
 FIG. 3 is a front elevation view of the sacro-iliac surgical guide illustrated in FIG. 1;
 FIG. 4 is a rear elevation view of the sacro-iliac surgical guide illustrated in FIG. 1;
 FIG. 5 is a right side elevation view of the sacro-iliac surgical guide illustrated in FIG. 1;
 FIG. 6 is a left side elevation view of the sacro-iliac surgical guide illustrated in FIG. 1;
 FIG. 7 is a top plan view of the sacro-iliac surgical guide illustrated in FIG. 1;
 FIG. 8 is a bottom plan view of the sacro-iliac surgical guide illustrated in FIG. 1;
 FIG. 9 is a front perspective view of a sacro-iliac guide, showing our new design in a second environment;
 FIG. 10 is a rear perspective view of the sacro-iliac surgical guide illustrated in FIG. 9;
 FIG. 11 is a front elevation view of the sacro-iliac surgical guide illustrated in FIG. 9;
 FIG. 12 is a rear elevation view of the sacro-iliac surgical guide illustrated in FIG. 9;
 FIG. 13 is a right side elevation view of the sacro-iliac surgical guide illustrated in FIG. 9;
 FIG. 14 is a left side elevation view of the sacro-iliac surgical guide illustrated in FIG. 9;
 FIG. 15 is a top plan view of the sacro-iliac surgical guide illustrated in FIG. 9; and,
 FIG. 16 is a bottom plan view of the sacro-iliac surgical guide illustrated in FIG. 9.
 The dash-dot broken lines immediately adjacent the shaded areas represent the bounds of the claimed design while dash broken lines are directed to environment and are for illustrative purposes only; the dash-dot broken lines and dash broken lines form no part of the claimed design.

1 Claim, 16 Drawing Sheets

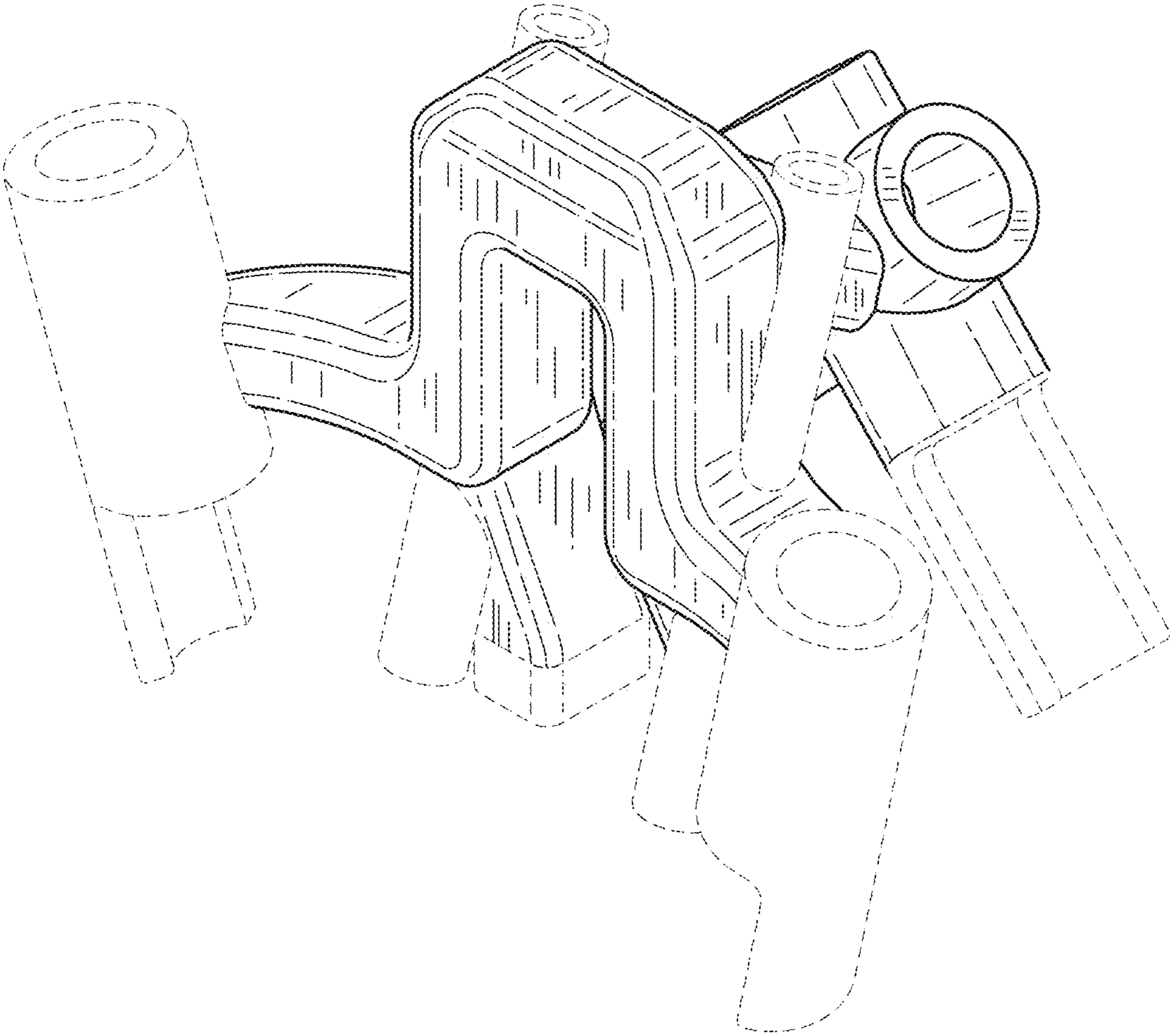


FIG. 1

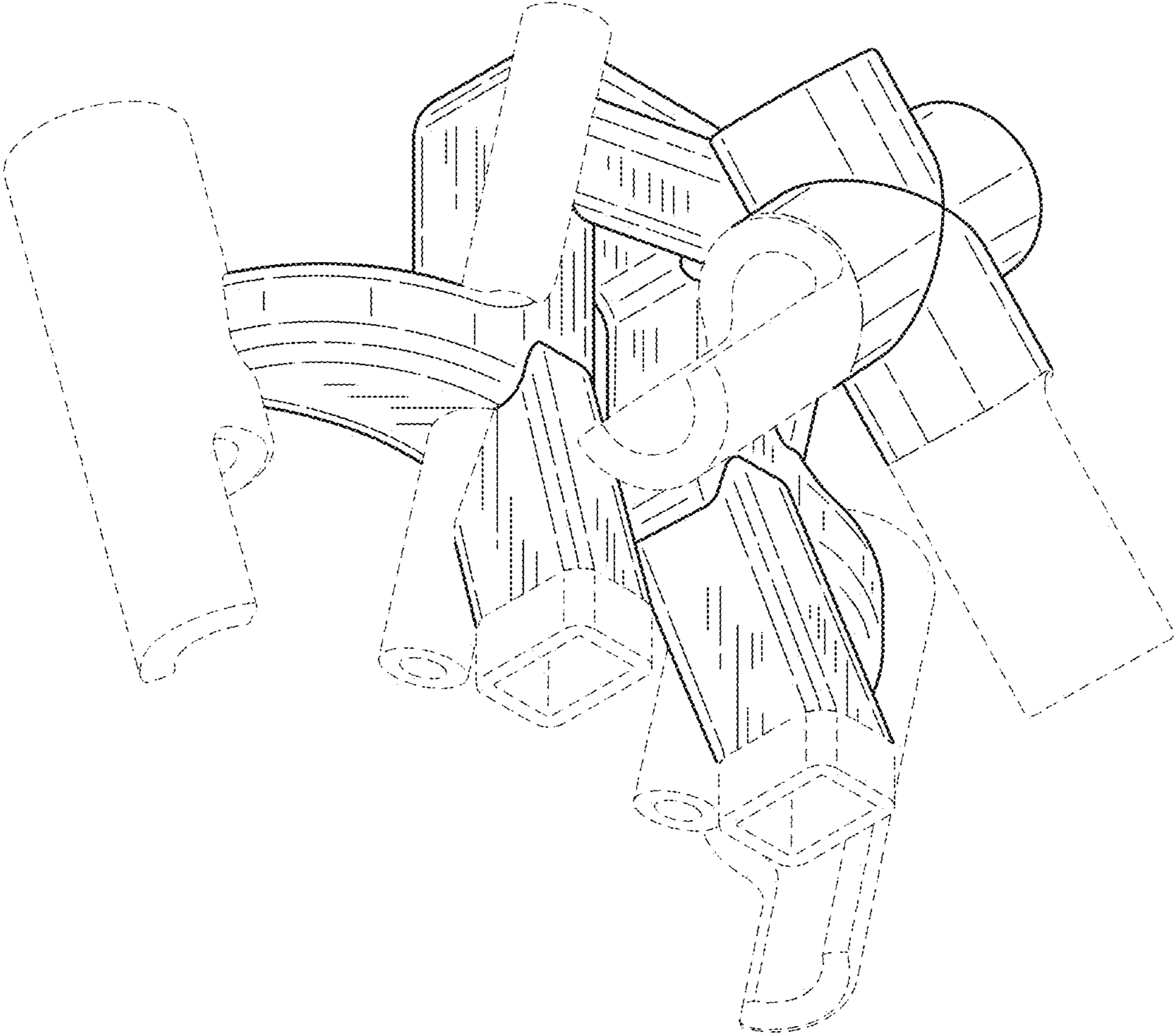


FIG.2

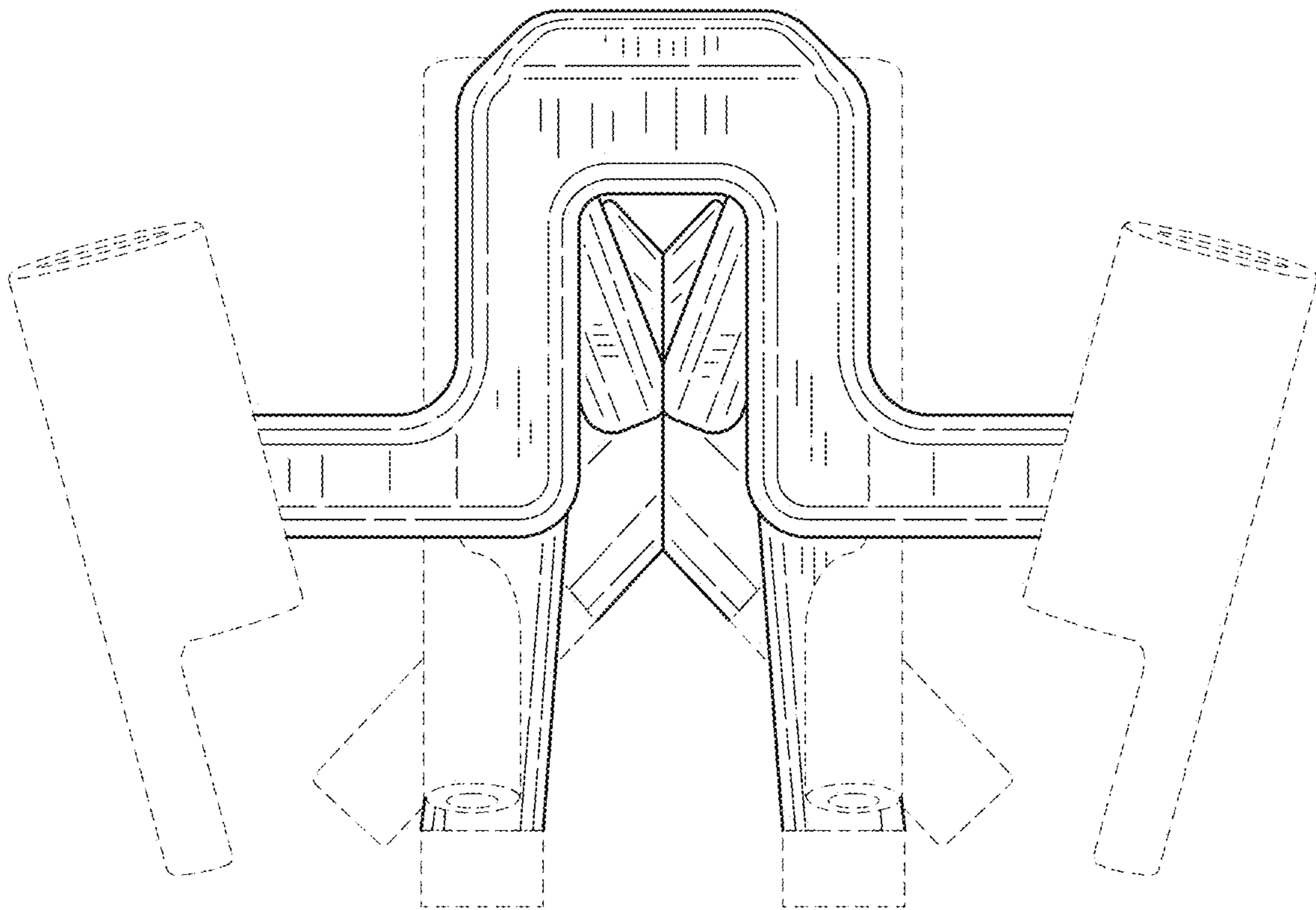


FIG.3

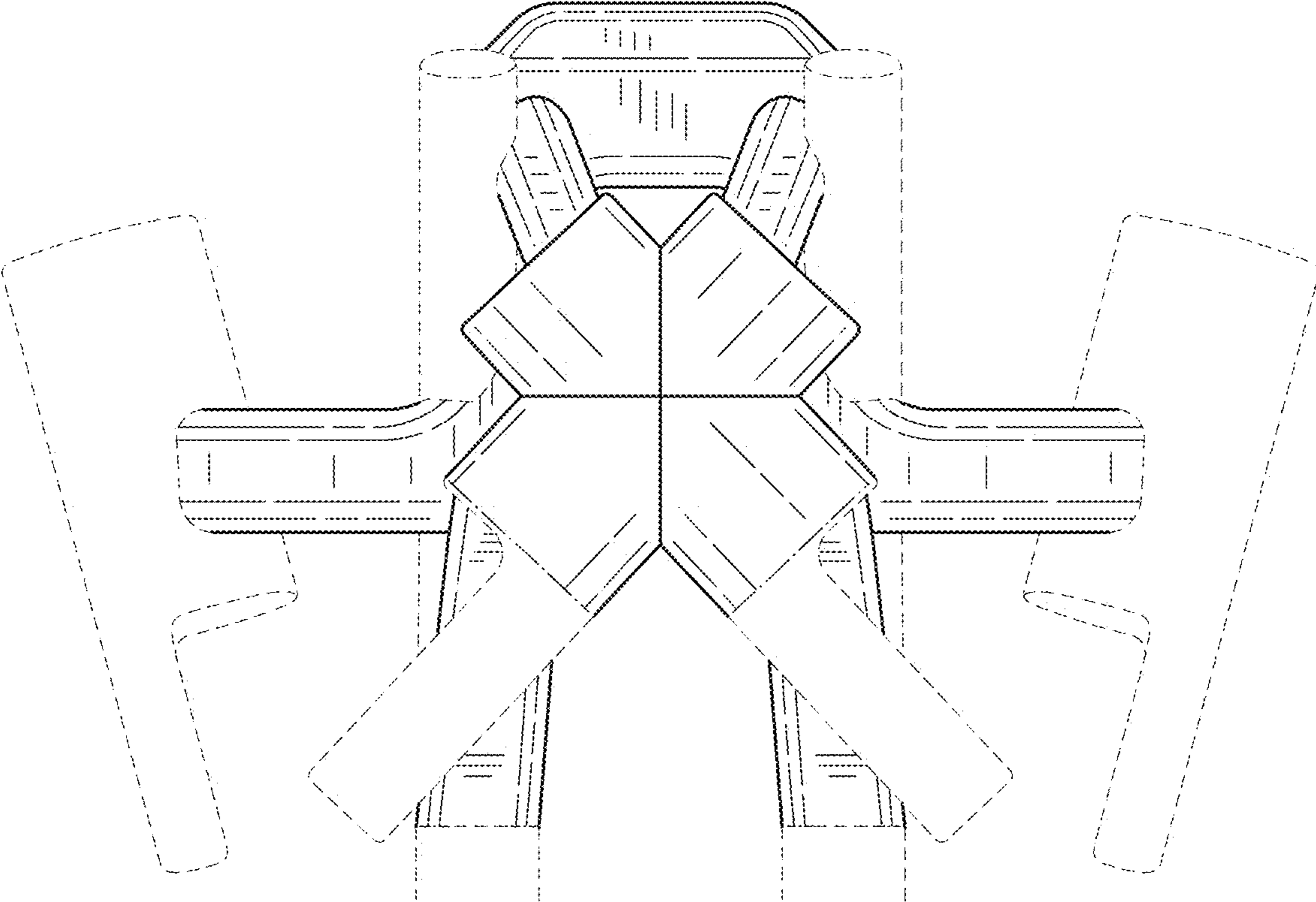


FIG.4

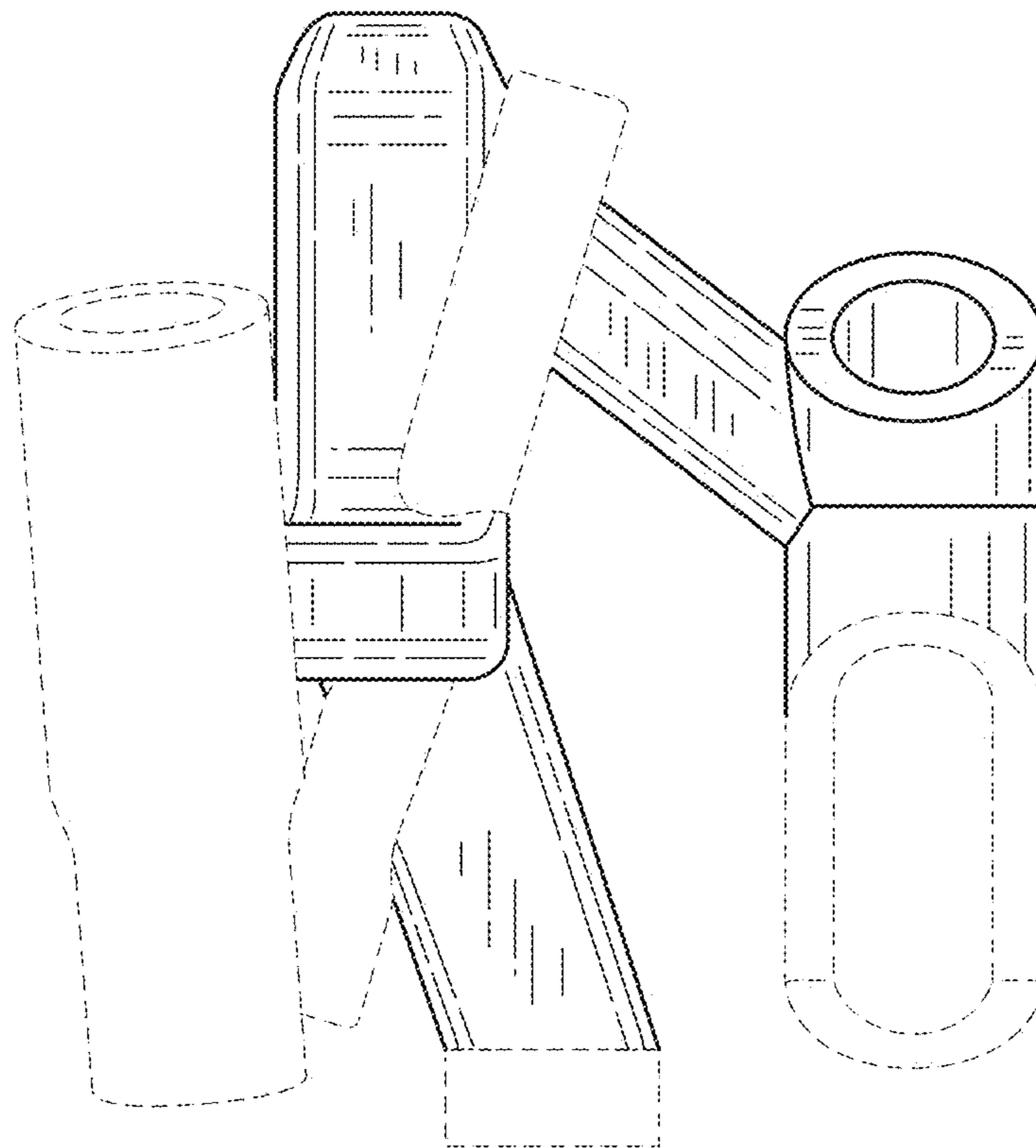


FIG. 5

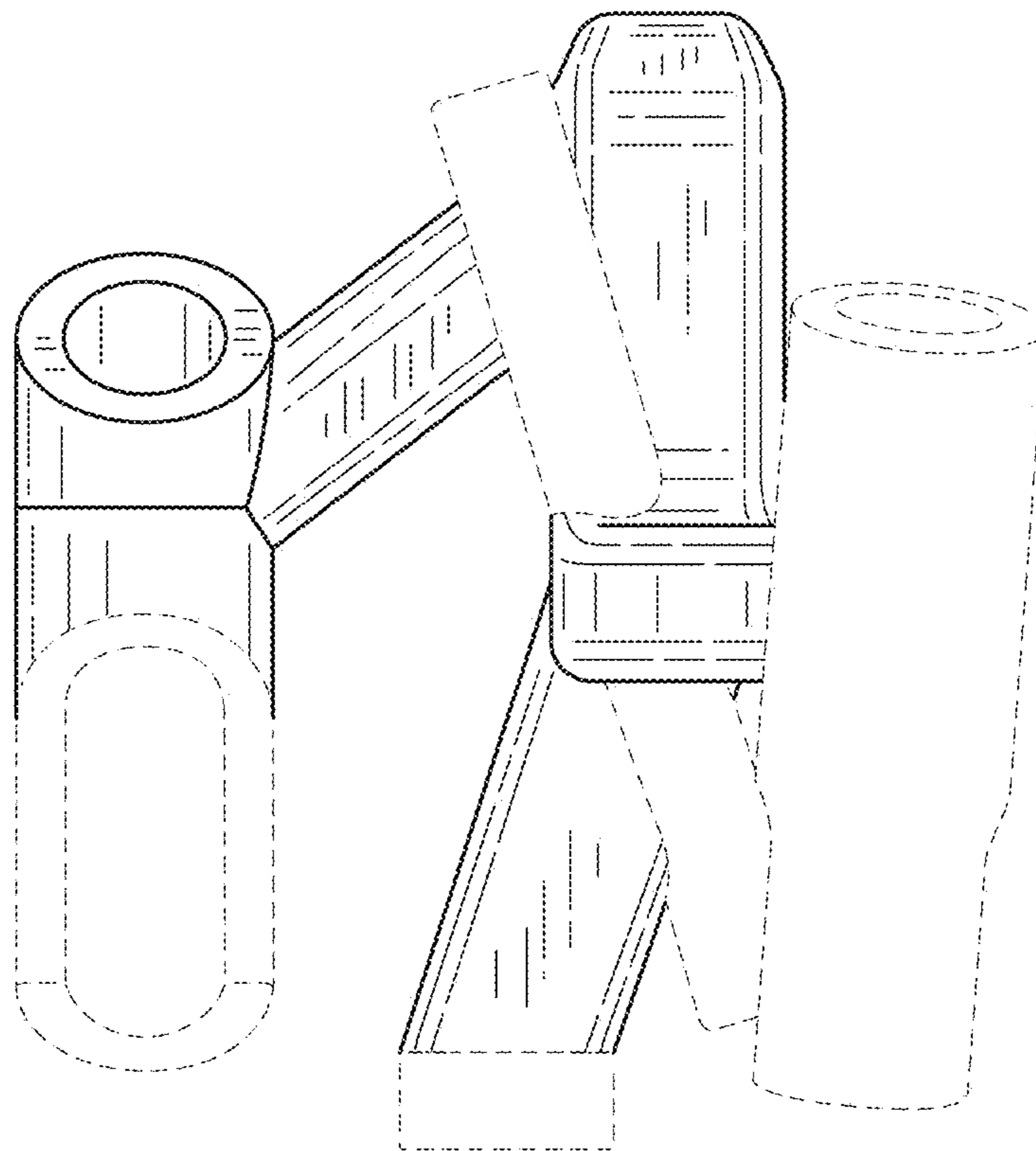


FIG. 6

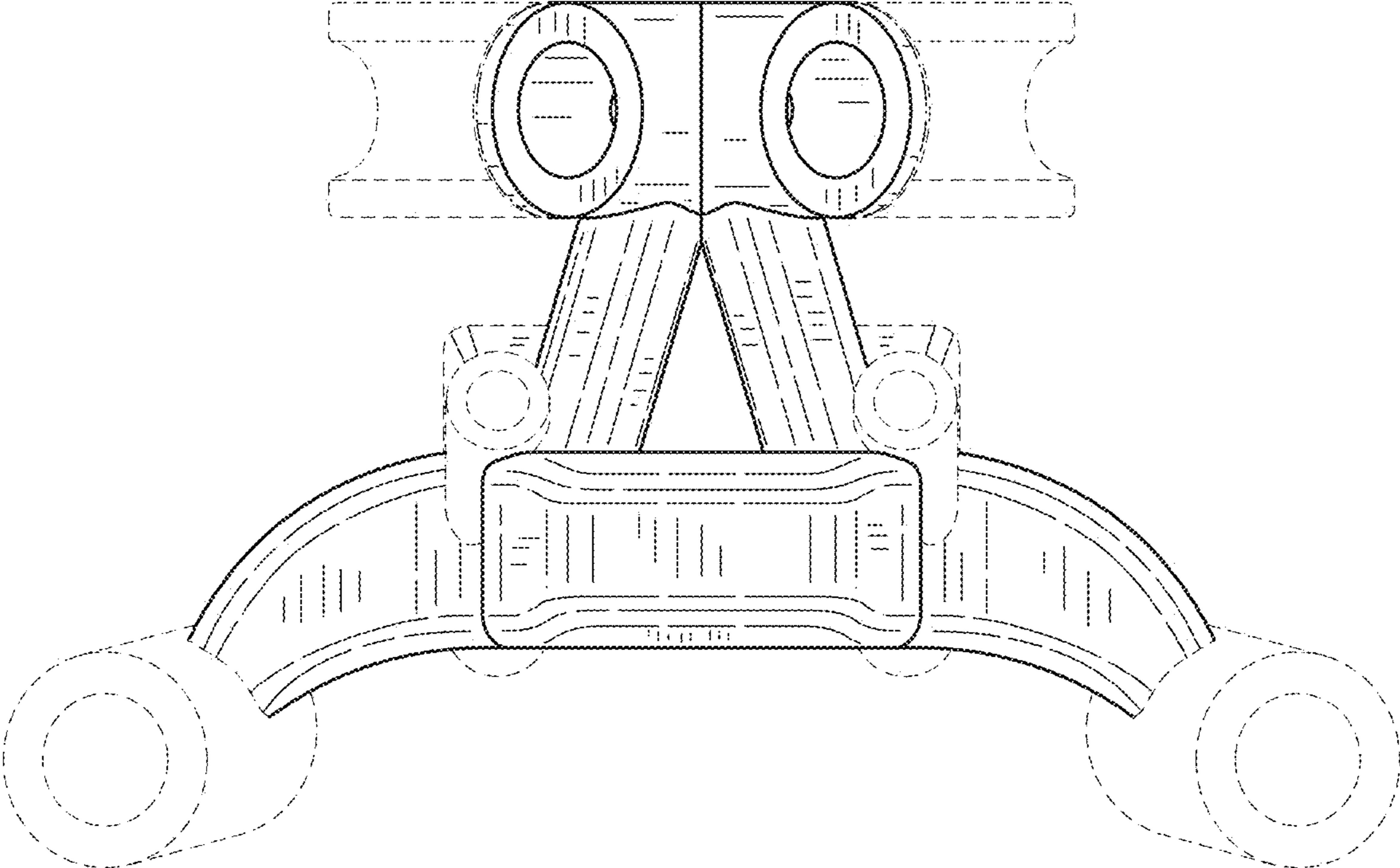


FIG.7

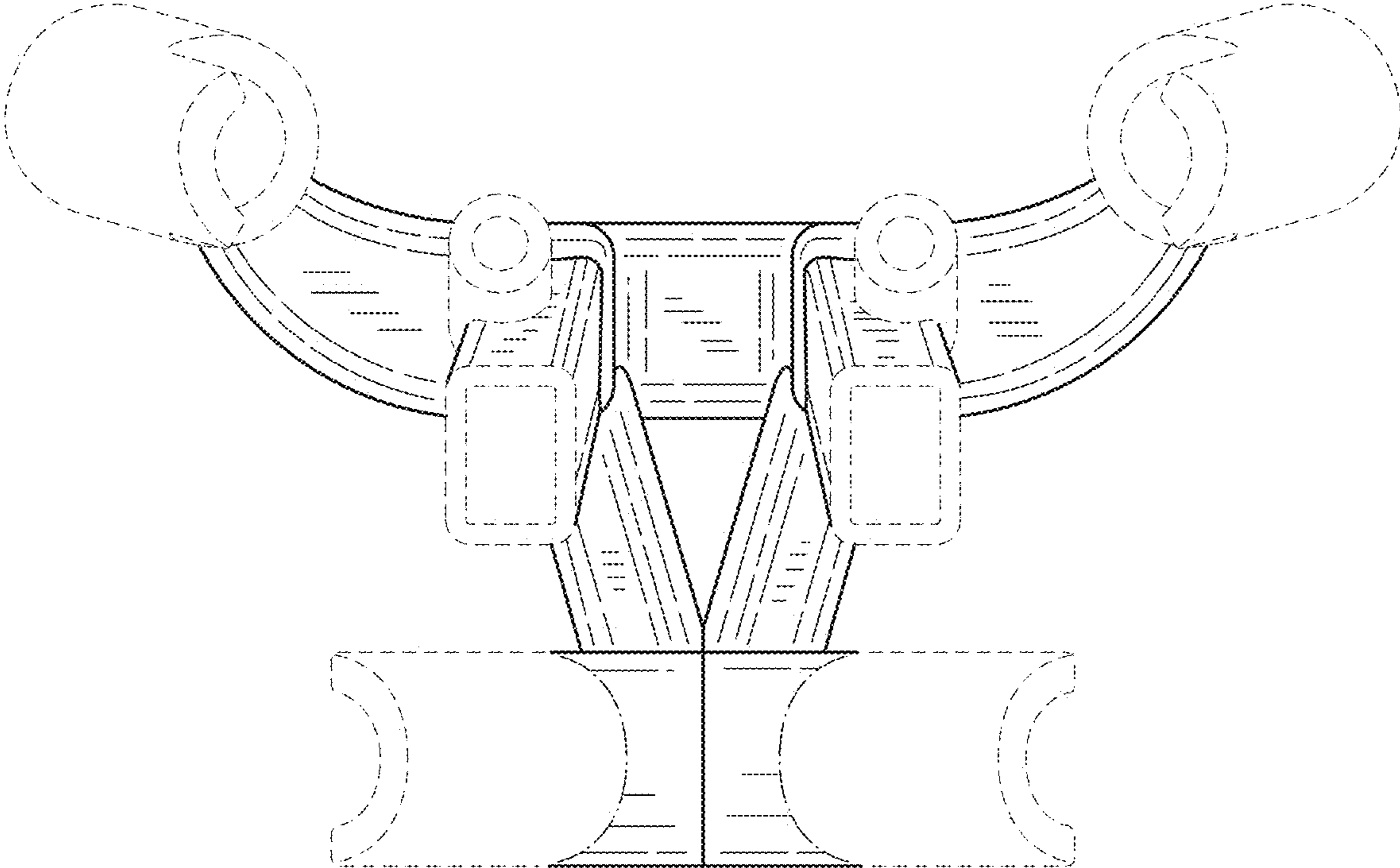


FIG.8

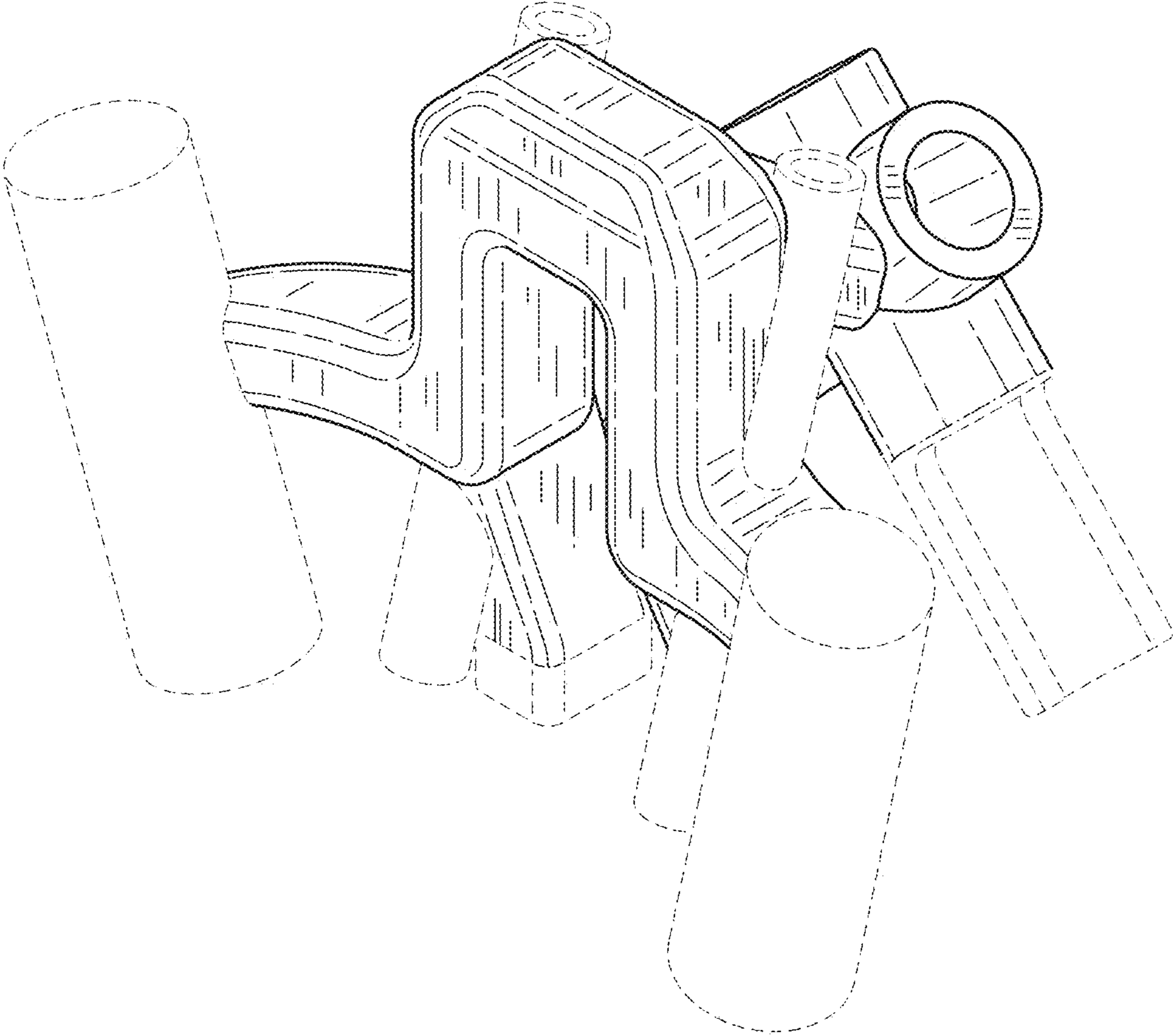


FIG.9

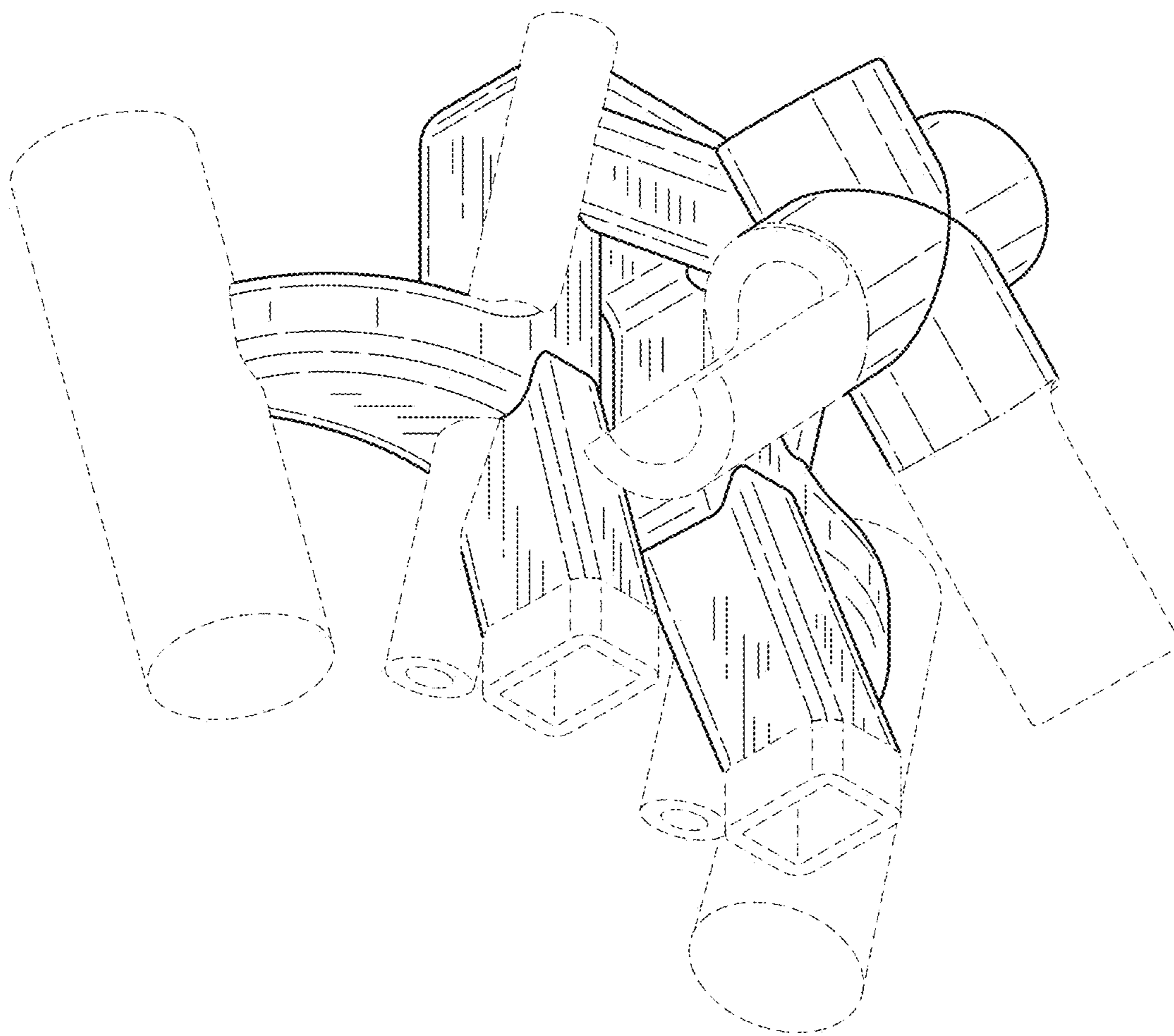


FIG.10

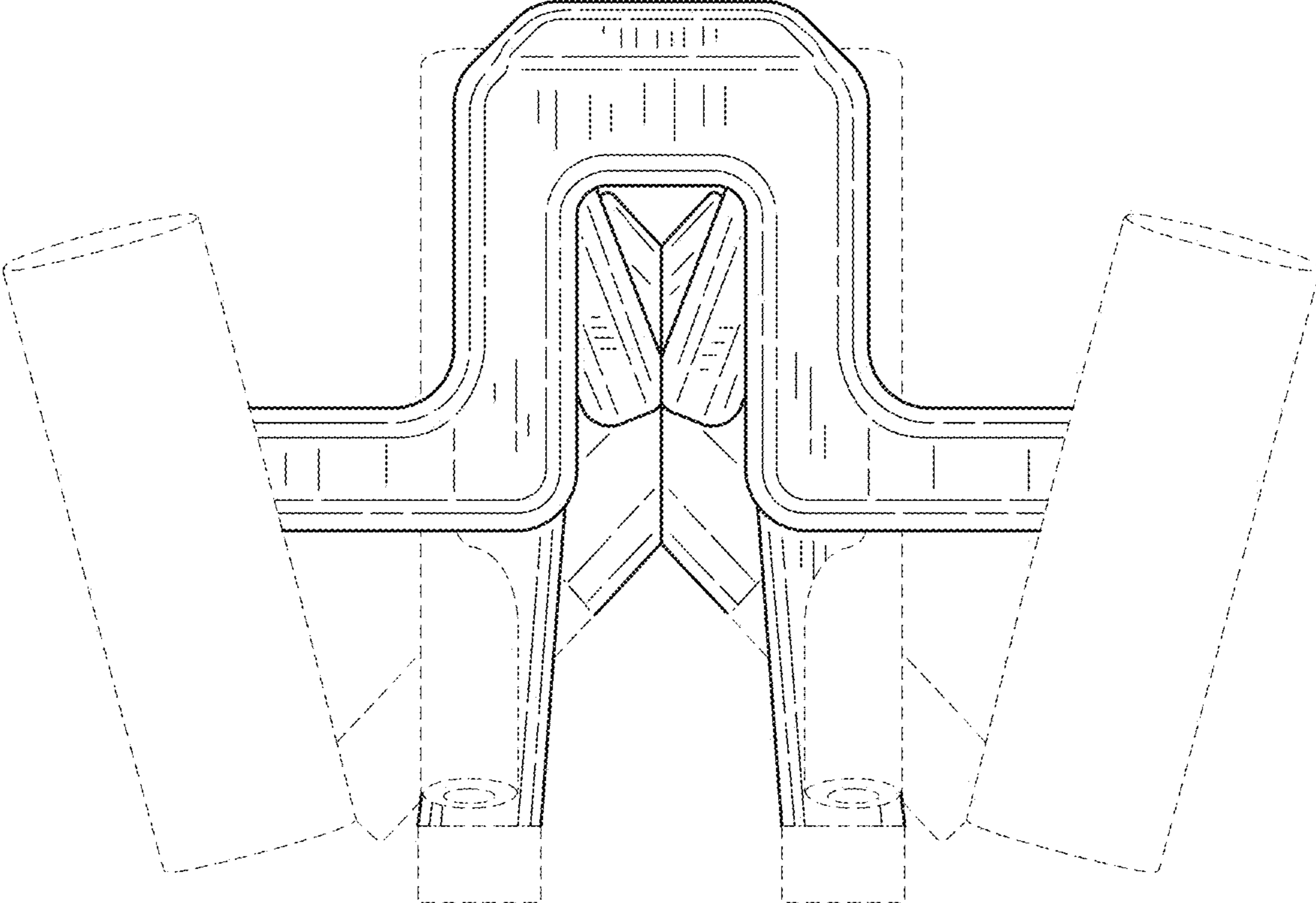


FIG.11

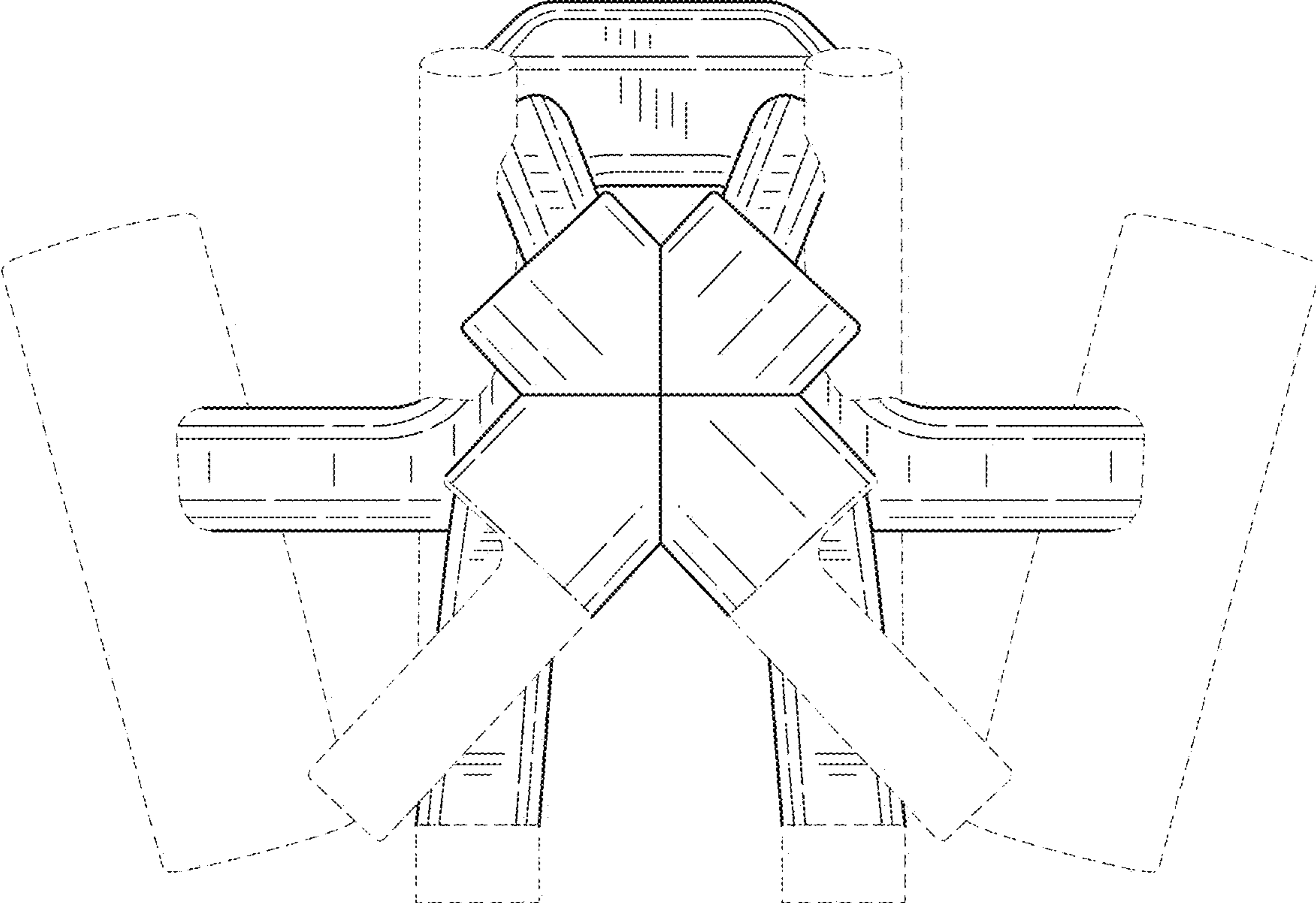


FIG.12

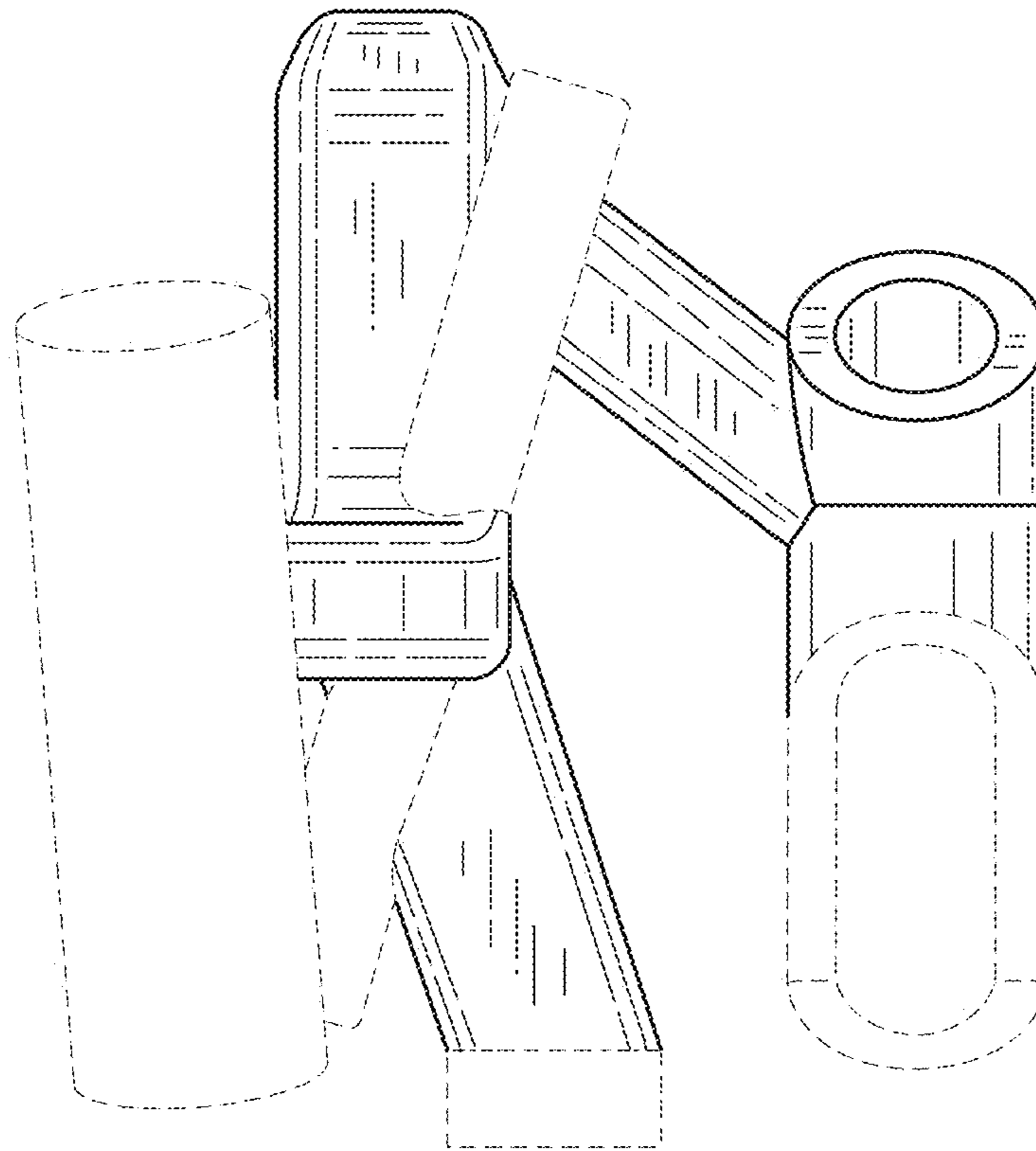


FIG. 13

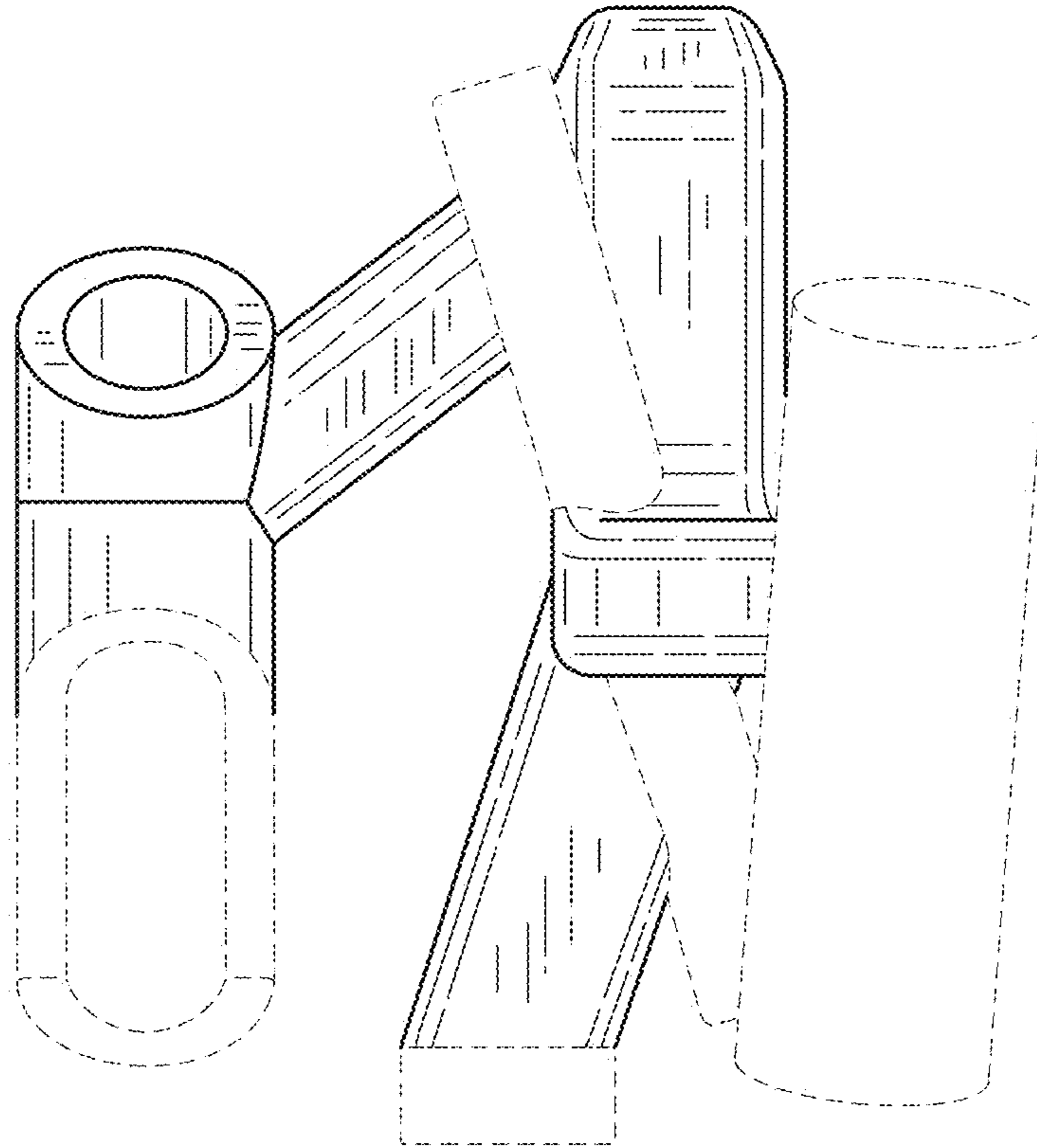


FIG.14

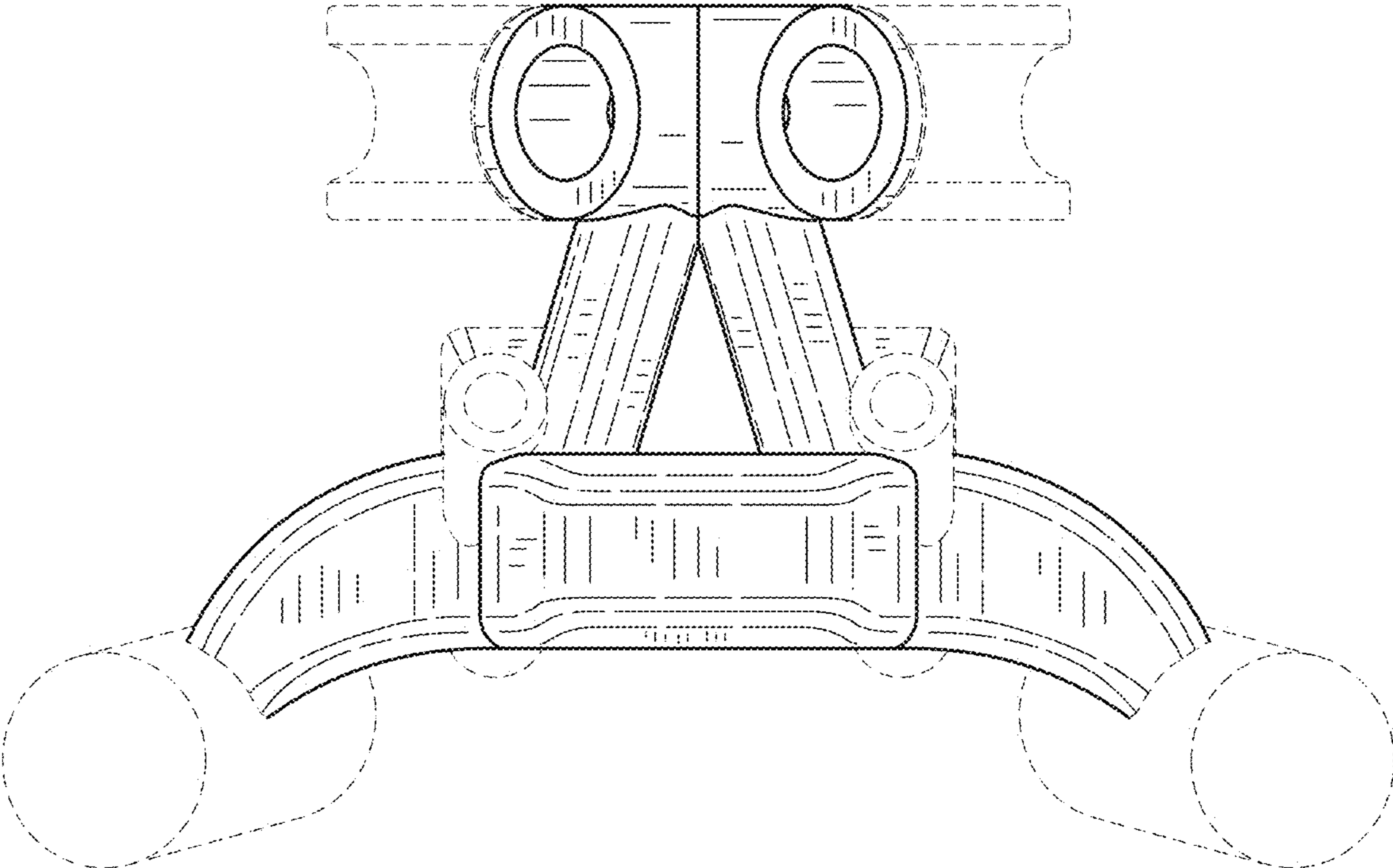


FIG.15

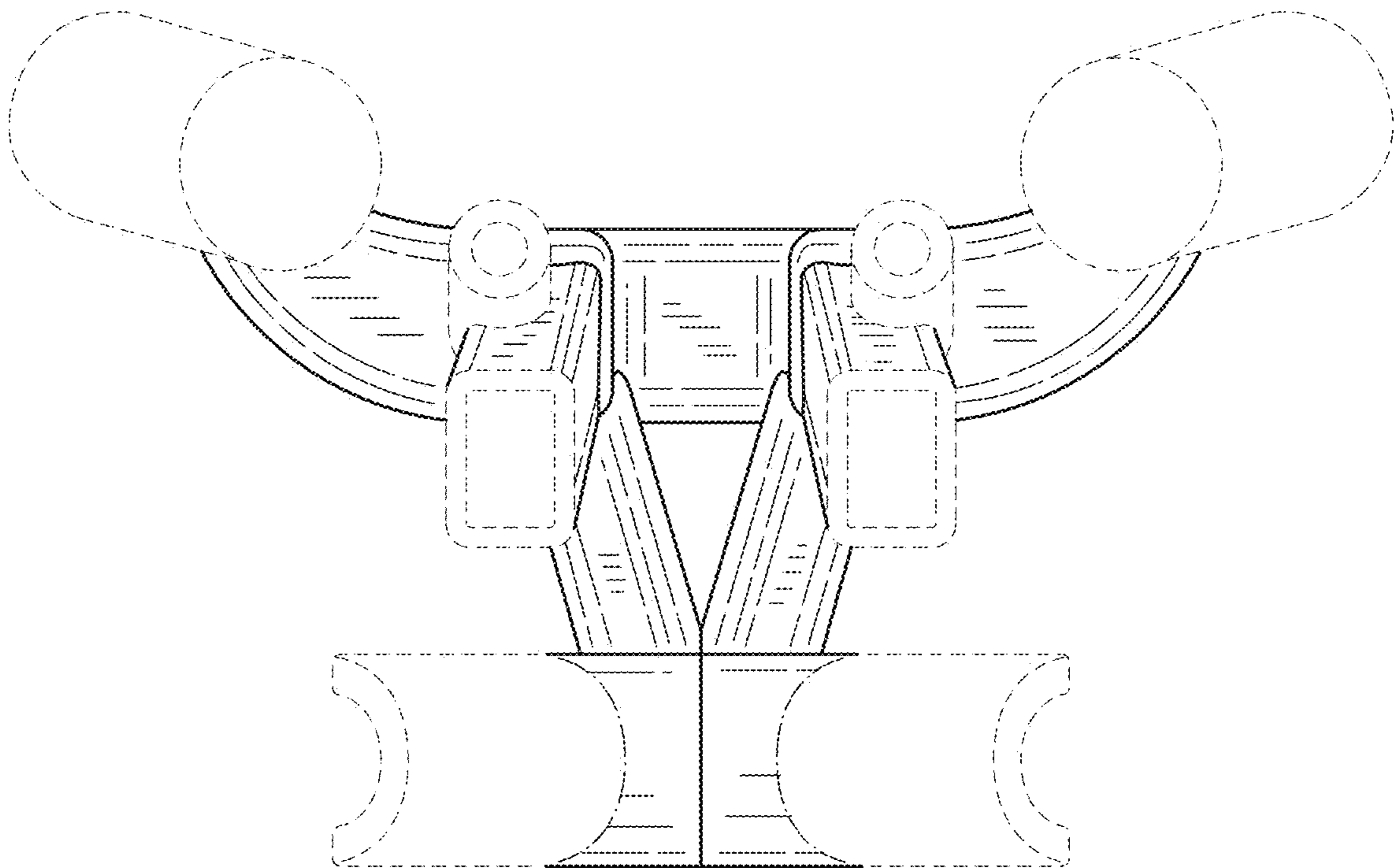


FIG.16