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(54) CARRIAGE FOR EXERCISE RACK

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2,476,863 A 7/1949 Hawes
3,716,231 A 2/1973 Martin
3,806,094 A 4/1974 Harken
(Continued)

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FOREIGN PATENT DOCUMENTS

CA 3113232 A1 3/2020
CN 113784762 A 12/2021
(Continued)

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OTHER PUBLICATIONS

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Related U.S. Application Data

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(52) U.S. Cl.
USPC D21/686

(58) Field of Classification Search
USPC D21/686, 694; D25/68; D8/349, 354, D8/363, 371, 373, 380, 382
CPC A63B 2022/0084; A63B 21/0087; A63B 21/062; A63B 21/063; A63B 21/0728; A63B 21/404
See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

325,435 A 9/1885 North
723,625 A 3/1903 Thornley
2,067,403 A 1/1937 Lea

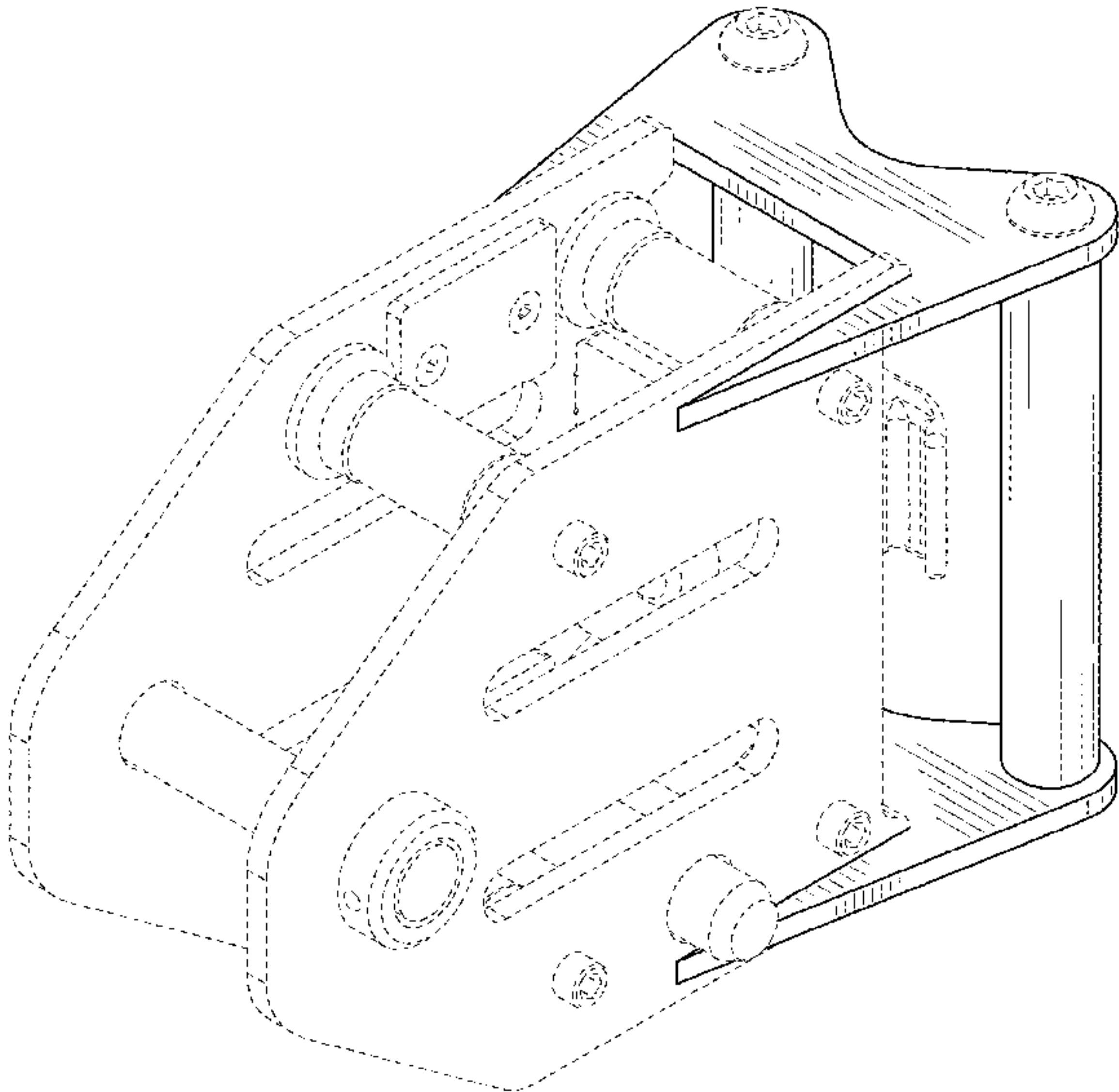
(57) CLAIM

The ornamental design for a carriage for exercise rack, as shown and described.

DESCRIPTION

FIG. 1 is a top, front, left perspective view of a carriage for exercise rack 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;
FIG. 7 is a bottom view thereof;
FIG. 8 is a bottom, front, right perspective view thereof; and,
FIG. 9 is a top, front, left perspective view thereof, shown in a condition of use.
The broken lines in FIGS. 1-8 show portions of the carriage for exercise rack which form no part of the claimed design. The additional broken lines shown in FIG. 9 are to show environmental structure and form no part of the claimed design.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D260,963 S	9/1981	Merry	7,998,037 B2	8/2011	Luquette
4,286,782 A	9/1981	Fuhrhop	7,998,040 B2	8/2011	Kram et al.
D262,730 S	1/1982	Lambert, Jr. et al.	8,057,368 B1	11/2011	Lyszcza
D262,814 S	1/1982	Lambert, Jr. et al.	8,096,926 B1	1/2012	Batca
D262,815 S	1/1982	Lambert, Jr. et al.	8,157,713 B1	4/2012	Siskowic et al.
4,339,125 A	7/1982	Uyeda et al.	D658,487 S	5/2012	Chih
4,456,246 A	6/1984	Szabo	D659,775 S	5/2012	Olson et al.
4,492,375 A	1/1985	Connelly	8,172,733 B1	5/2012	Batca
4,582,320 A	4/1986	Shaw	D666,259 S	8/2012	Garcia
4,634,127 A	1/1987	Rockwell	8,337,370 B2	12/2012	Rogers et al.
4,635,934 A	1/1987	Roethke	D679,764 S	4/2013	Alessandri et al.
4,697,809 A	10/1987	Rockwell	8,485,951 B1	7/2013	Adams
4,856,775 A	8/1989	Colledge et al.	D687,753 S	8/2013	Carlini
4,943,052 A	7/1990	Powers	8,550,964 B2	10/2013	Ish, III et al.
4,955,604 A	9/1990	Pogue	D702,530 S *	4/2014	Hasegawa D8/349
4,974,838 A	12/1990	Sollenberger	D708,507 S	7/2014	Fretz
5,050,868 A	9/1991	Pearson	D711,209 S	8/2014	Fischer et al.
5,076,578 A	12/1991	Askonen	8,827,875 B2	9/2014	Schiano
5,116,297 A	5/1992	Stonecipher	8,834,328 B1	9/2014	Batca
5,135,453 A	8/1992	Sollenberger	8,926,480 B2	1/2015	Lyszcza
D330,156 S	10/1992	Dye	D726,607 S	4/2015	Rickard
5,184,992 A	2/1993	Banks	9,011,301 B2	4/2015	Balandis et al.
5,242,344 A	9/1993	Hundley	9,028,381 B2	5/2015	Mestemaker
5,273,509 A	12/1993	Vittone	9,067,100 B2	6/2015	Habing
D358,623 S	5/1995	Macasieb	9,119,989 B1	9/2015	Agree et al.
5,529,558 A	6/1996	Koenig	9,289,638 B2	3/2016	Towley, III et al.
5,554,083 A	9/1996	Chen	9,302,139 B2	4/2016	Habing et al.
5,554,085 A	9/1996	Dalebout	D761,084 S	7/2016	Cox
5,569,133 A	10/1996	Vittone	D761,085 S	7/2016	Cox
5,688,216 A	11/1997	Mauriello	9,409,220 B2	8/2016	Henniger et al.
5,722,922 A	3/1998	Watterson et al.	9,421,413 B2	8/2016	Staten et al.
5,800,321 A	9/1998	Webber	9,446,285 B1	9/2016	Drath et al.
5,951,444 A	9/1999	Webber	D769,991 S	10/2016	Thomas
5,971,897 A	10/1999	Olson et al.	9,457,220 B2	10/2016	Olson
D429,783 S	8/2000	Cray et al.	D772,356 S	11/2016	Gregory
D431,449 S	10/2000	Mihailovic	D781,452 S	3/2017	Bokros
D439,292 S	3/2001	Webber et al.	9,597,545 B1	3/2017	Lagree et al.
6,217,483 B1	4/2001	Kallassy	9,656,116 B2	5/2017	Giannelli et al.
6,238,323 B1	5/2001	Simonson	D795,973 S	8/2017	Bush et al.
D444,827 S	7/2001	Mobley	D795,974 S	8/2017	Bush et al.
6,261,205 B1	7/2001	Elefson	D795,975 S	8/2017	Bush et al.
6,394,935 B1	5/2002	Lake	D797,869 S	9/2017	Baudhuin et al.
6,447,430 B1	9/2002	Webb et al.	9,802,075 B2	10/2017	Gvoich
6,482,139 B1	11/2002	Haag	D806,808 S	1/2018	Gregory
6,508,743 B1	1/2003	Fortin	D808,475 S	1/2018	Meredith et al.
6,527,683 B2	3/2003	Tolles	D815,305 S	4/2018	Alvarado et al.
D473,273 S	4/2003	Crawford et al.	D818,547 S	5/2018	Meredith et al.
6,547,704 B2	4/2003	Parrillo	10,004,970 B1	6/2018	Mailander
D489,601 S	5/2004	Meeker	D823,405 S	7/2018	Roepke
D512,113 S	11/2005	Carter	10,016,646 B2	7/2018	Butler
D517,134 S	3/2006	Panatta et al.	D830,481 S	10/2018	Yang
D518,701 S	4/2006	Porth et al.	D842,675 S	3/2019	Raymond et al.
D520,922 S	5/2006	Forcillo	10,226,661 B2	3/2019	Henniger et al.
7,070,546 B1	7/2006	Grasso	D844,513 S	4/2019	Izaz
D527,776 S	9/2006	Willardson et al.	10,265,572 B2	4/2019	Bach et al.
D550,790 S	9/2007	Staten	D849,160 S	5/2019	Lau
D550,791 S	9/2007	Rogers et al.	D852,289 S *	6/2019	Jones D21/679
D550,792 S	9/2007	Rogers et al.	D852,291 S	6/2019	Meredith et al.
D551,306 S	9/2007	Rogers et al.	D855,720 S	8/2019	Kuka
D554,209 S	10/2007	Loucks	D856,442 S	8/2019	Haquet et al.
D554,715 S	11/2007	Giannelli et al.	D858,262 S	9/2019	Wilson et al.
D562,670 S	2/2008	Rogers et al.	D860,766 S	9/2019	Brown
7,488,277 B1	2/2009	Knapp	10,456,615 B1	10/2019	Anthony
D593,848 S	6/2009	Balemi et al.	D866,689 S	11/2019	Jones et al.
D593,849 S	6/2009	Balemi et al.	D873,935 S	1/2020	Van Den Berg
7,549,950 B1	6/2009	Lundquist et al.	10,525,301 B2	1/2020	Hsu
7,601,105 B1	10/2009	Gipson, III et al.	D874,585 S	2/2020	Pellegrino et al.
7,604,576 B2	10/2009	Drechsler	D878,185 S	3/2020	Petzl
7,717,833 B1	5/2010	Nelson et al.	D886,214 S *	6/2020	Jones D21/679
7,727,129 B1	6/2010	Goddard	D890,271 S	7/2020	Carmichael et al.
D627,208 S	11/2010	Huang	D890,273 S	7/2020	Dunahay et al.
D629,343 S	12/2010	Carlini	D890,867 S	7/2020	Carmichael et al.
D634,378 S	3/2011	Iverson et al.	D892,239 S	8/2020	Carmichael et al.
7,922,630 B1	4/2011	Batca	D893,639 S	8/2020	Henniger et al.
7,981,010 B1	7/2011	Webber et al.	D898,136 S *	10/2020	Carmichael D21/686
			D898,137 S	10/2020	Carmichael et al.
			10,792,535 B2	10/2020	Chou
			D903,793 S *	12/2020	Henniger D21/673
			D907,726 S	1/2021	Gluba

(56)

References Cited

U.S. PATENT DOCUMENTS

D909,502 S 2/2021 Adams
D915,533 S 4/2021 Adams
D919,017 S 5/2021 Henniger et al.
11,103,738 B2 8/2021 Sorin et al.
D931,389 S 9/2021 Dunahay et al.
11,110,316 B2 9/2021 Sergakis et al.
11,173,337 B2 11/2021 Jones et al.
D944,340 S * 2/2022 Jones D21/679
D952,069 S * 5/2022 Adams D21/686
D954,864 S * 6/2022 Carmichael D21/686
D954,867 S * 6/2022 Carmichael D21/694
D955,511 S * 6/2022 Carmichael D21/688
11,712,597 B2 8/2023 Carlson
11,724,147 B2 8/2023 Sorin et al.
11,801,414 B2 10/2023 Sorin et al.
D1,006,149 S * 11/2023 Carruthers D21/694
D1,006,154 S * 11/2023 Mao D21/673
D1,009,188 S * 12/2023 Zhang D21/694
D1,011,452 S * 1/2024 Henniger D21/679
D1,011,453 S * 1/2024 Henniger D21/679
D1,015,125 S * 2/2024 Adams D8/360
2002/0098954 A1 7/2002 Buechel et al.
2003/0100413 A1 5/2003 Huang
2003/0115955 A1 6/2003 Keiser
2003/0134723 A1 7/2003 Greenland
2003/0192291 A1 10/2003 Qicang
2004/0018920 A1 1/2004 Simonson
2005/0054493 A1 3/2005 Skilken et al.
2005/0202941 A1 9/2005 Vaes
2005/0227835 A1 10/2005 Hazan
2005/0250619 A1 11/2005 Daikeler et al.
2006/0035765 A1 2/2006 Smith
2006/0040799 A1 2/2006 Pompile
2006/0183607 A1 8/2006 Collias
2006/0199712 A1 9/2006 Barnard et al.
2006/0247107 A1 11/2006 Carter
2006/0252615 A1 11/2006 Melcer
2007/0037674 A1 2/2007 Finn et al.
2007/0054785 A1 3/2007 Drechsler
2007/0093365 A1 4/2007 Batca
2007/0155595 A1 7/2007 Rogers et al.
2007/0155596 A1 7/2007 Rogers et al.
2007/0161468 A1 7/2007 Yanagisawa et al.
2007/0161472 A1 7/2007 Drechsler
2008/0113852 A1 5/2008 Caldwell
2009/0114893 A1 5/2009 Lange
2009/0137370 A1 5/2009 Kushnir
2009/0143203 A1 6/2009 Knapp
2009/0170675 A1 7/2009 Giannelli et al.
2010/0016129 A1 1/2010 Chou
2010/0137112 A1 6/2010 Harker
2010/0216610 A1 8/2010 Gedeon-Janvier
2010/0292057 A1 11/2010 Dunn
2012/0083392 A1 4/2012 Taranto
2012/0142503 A1 6/2012 Sevadjan et al.
2012/0238418 A1 9/2012 Reyes
2012/0289384 A1 11/2012 Staten et al.
2012/0329613 A1 12/2012 Schiano
2013/0035220 A1 2/2013 Adams
2013/0109543 A1 5/2013 Reyes
2013/0203566 A1 8/2013 Finestein et al.
2013/0274075 A1 10/2013 Habing et al.
2013/0296143 A1 11/2013 Staten et al.
2013/0296146 A1 11/2013 Staten et al.
2014/0087928 A1 3/2014 Luedeka
2014/0200117 A1 7/2014 Grider
2014/0256517 A1 9/2014 Poppinga
2015/0016919 A1 1/2015 Tambornino et al.
2015/0051054 A1 2/2015 Barnhill
2015/0065316 A1 3/2015 Towley, III et al.
2015/0083681 A1 3/2015 Childs
2015/0126335 A1 5/2015 Gilson et al.
2015/0141221 A1 5/2015 Delgado
2015/0182773 A1 7/2015 Olson et al.
2015/0246258 A1 9/2015 Hockridge

2015/0290488 A1 10/2015 Hopperstad et al.
2015/0352395 A1 12/2015 Gregory
2016/0023035 A1 1/2016 Meyer
2016/0074693 A1 3/2016 Henry
2016/0199691 A1 7/2016 Hockridge
2016/0213967 A1 7/2016 Habing et al.
2016/0256733 A1 9/2016 Lagree
2017/0007877 A1 1/2017 Leipheimer
2017/0056705 A1 3/2017 Zha et al.
2017/0056707 A1 3/2017 Hockridge et al.
2017/0150786 A1 6/2017 Ness et al.
2017/0157452 A1 6/2017 Lagree
2017/0189736 A1 7/2017 Martin
2017/0246496 A1 8/2017 Nelson et al.
2017/0246504 A1 8/2017 Simmons
2017/0274245 A1 9/2017 Cambridge, Sr.
2017/0312564 A1 11/2017 Perez Gomez
2017/0340916 A1 11/2017 Gennusa
2018/0036573 A1 2/2018 Lennox et al.
2018/0185694 A1 7/2018 Schween
2018/0200563 A1 7/2018 Hansen et al.
2018/0243597 A1 8/2018 Schlegel
2019/0099636 A1 4/2019 Schmidt et al.
2019/0240521 A1 8/2019 Staten
2019/0247701 A1 8/2019 Sergakis et al.
2019/0275363 A1 9/2019 Jones et al.
2019/0282851 A1 9/2019 Hockridge et al.
2019/0308061 A1 10/2019 Murrell et al.
2020/0038704 A1 2/2020 Adams
2020/0078633 A1 3/2020 Chou
2020/0139186 A1 5/2020 Sorin et al.
2022/0105380 A1 4/2022 Jones et al.
2022/0203153 A1 * 6/2022 Sergakis A63B 21/078
2023/0099317 A1 * 3/2023 Tighe A47B 81/005
211/85.7
2023/0338768 A1 10/2023 Sorin et al.

FOREIGN PATENT DOCUMENTS

EP 2345459 A1 7/2011
EP 3295998 A1 3/2018
FR 2630652 A1 11/1989
GB 2346808 A 8/2000
KR 200466889 Y1 5/2013
KR 20140060130 A 5/2014
WO 9842411 A1 10/1998
WO 201893699 A1 5/2018
WO 2018208772 A1 11/2018
WO 2020061480 A1 3/2020

OTHER PUBLICATIONS

Nov. 14, 2023—(AU) Examination Report—App 2022246383.
Dec. 6, 2023—(EP) Office Action—App 19716021.1.
Photo from <<https://web.archive.org/web/20170112075250/https://mydynamicfitness.com>>, dated Jan. 12, 2017.
Screenshots from <<https://www.youtube.com/watch?v=A4xv8OhVbzl>>, dated May 17, 2018.
Product promotional materials for Dynamic Fitness Ultra Pro Rack Series from <<https://web.archive.org/web/20170112075250/https://mydynamicfitness.com>> dated Jan. 12, 2017.
Product listing for Rogue Monster Lever Arms from <<https://web.archive.org/web/20160529110340/http://www.roguefitness.com/monster-lever-arms>>, dated May 29, 2016.
Product listing for Rogue Monster Lever Arms from <<https://web.archive.org/web/20161111082206/http://www.roguefitness.com/monster-lever-arms>>, dated Nov. 11, 2016.
Jul. 23, 2019—(WO) International Search Report & Written Opinion—App PCT/US2019/021017.
Sorinex Exercise Equipment: “Base camp jammer arms adjustable attachment point”, Feb. 27, 2018 (Feb. 27, 2018), pp. 1-3, Retrieved from the Internet: URL:<https://www.facebook.com/sorinex.strength/videos/base-camp-jammer-arms-adjustable-attachment-point/10158262519208647/>.
Mar. 31, 2020—(WO) ISR and WO—App PCT/US2019/056130.

(56)

References Cited

OTHER PUBLICATIONS

Youtube, “The Rogue LT 1 50 Cal Trolley and Lever Arm Kit”, Oct. 19, 2018. <https://www.youtube.com/watch?v=-yDzva8uDW8>. Shown at the 0:25 minute mark. (Year: 2018).
Jul. 9, 2021—(AU) Examination Report No. 1—App 2019231690.
Jan. 11, 2024—(EP) Rules 161(2) and 162 EPC Communication—App 22812235.4.

* cited by examiner

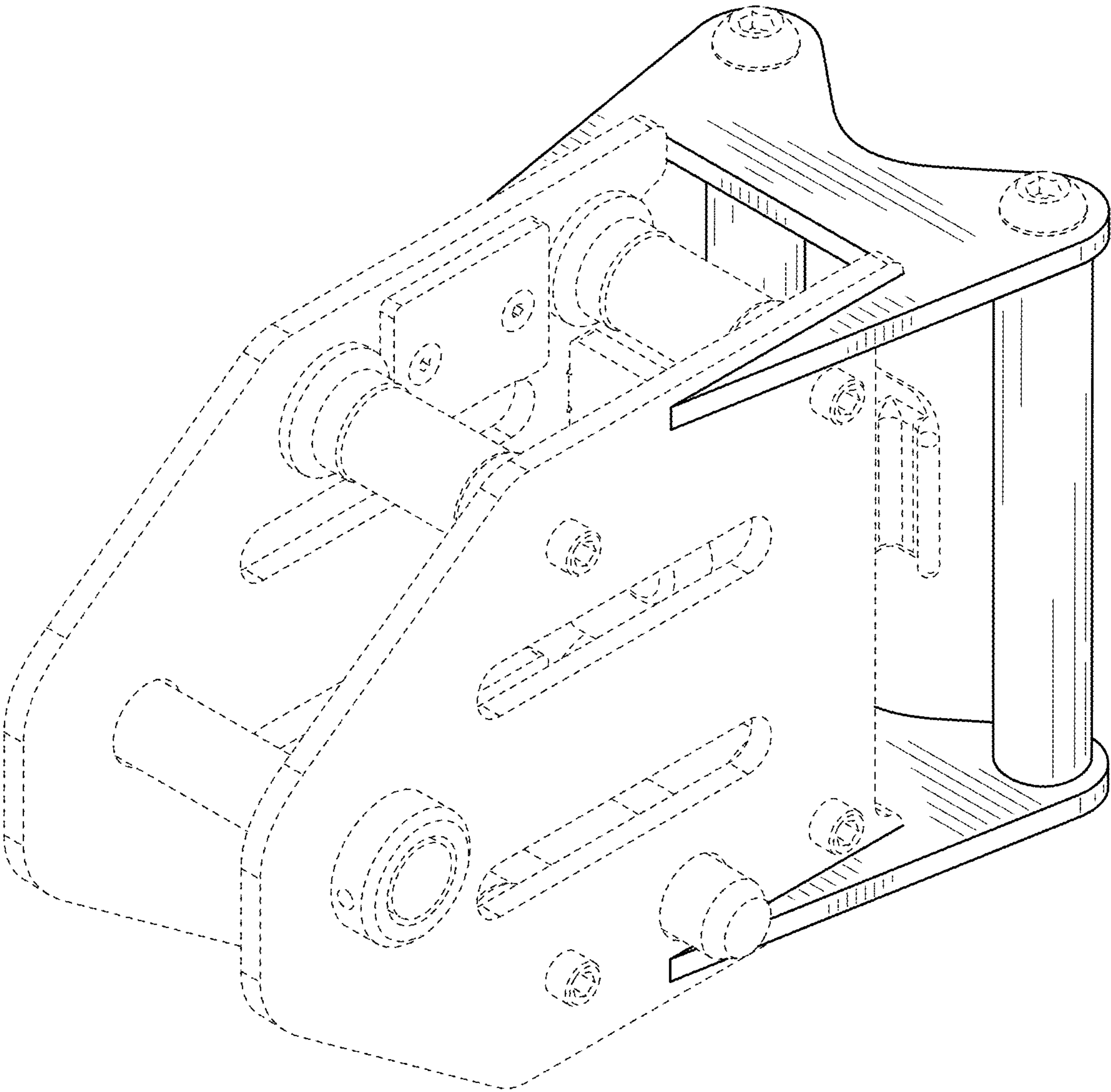


FIG. 1

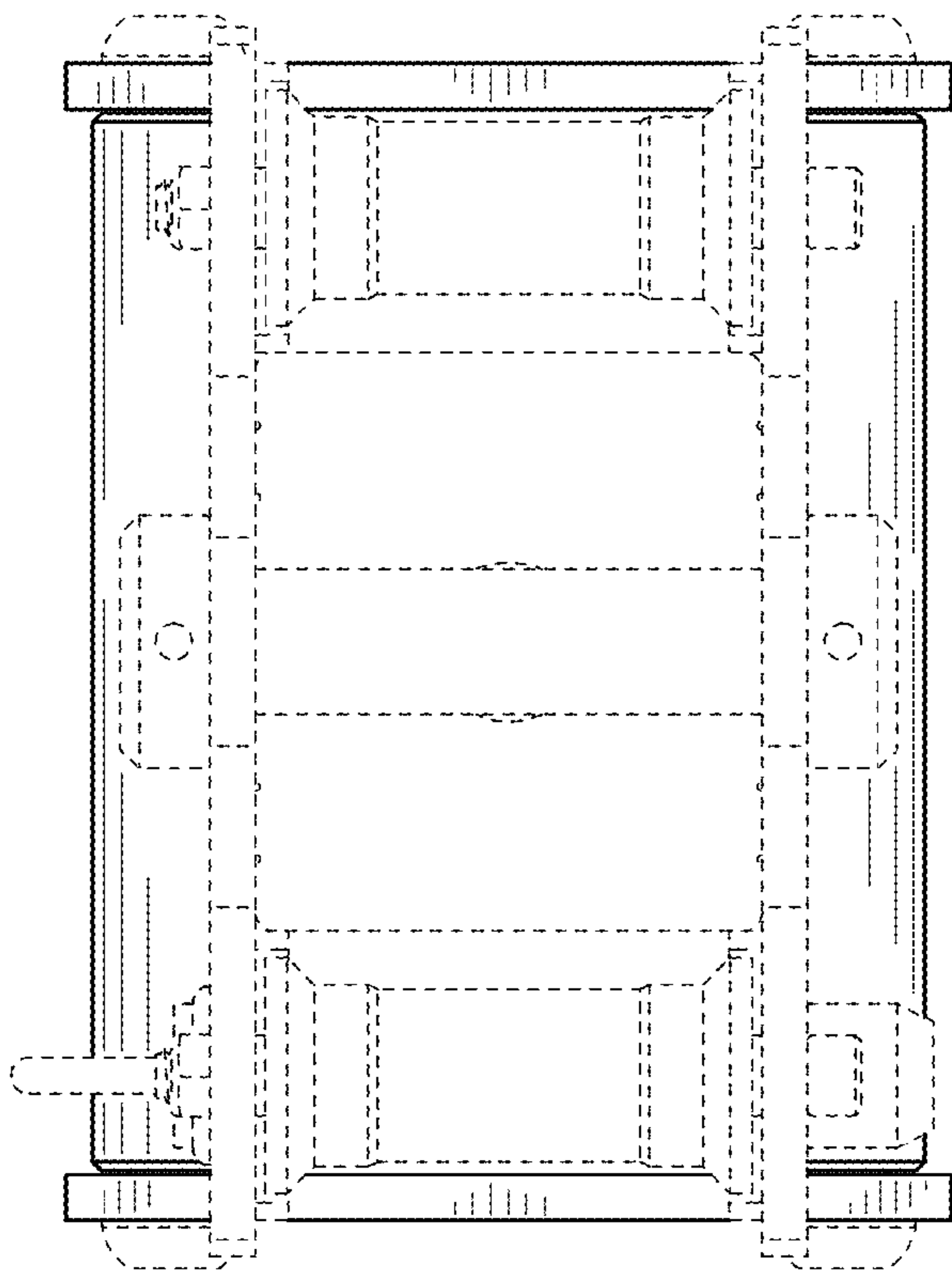


FIG. 2

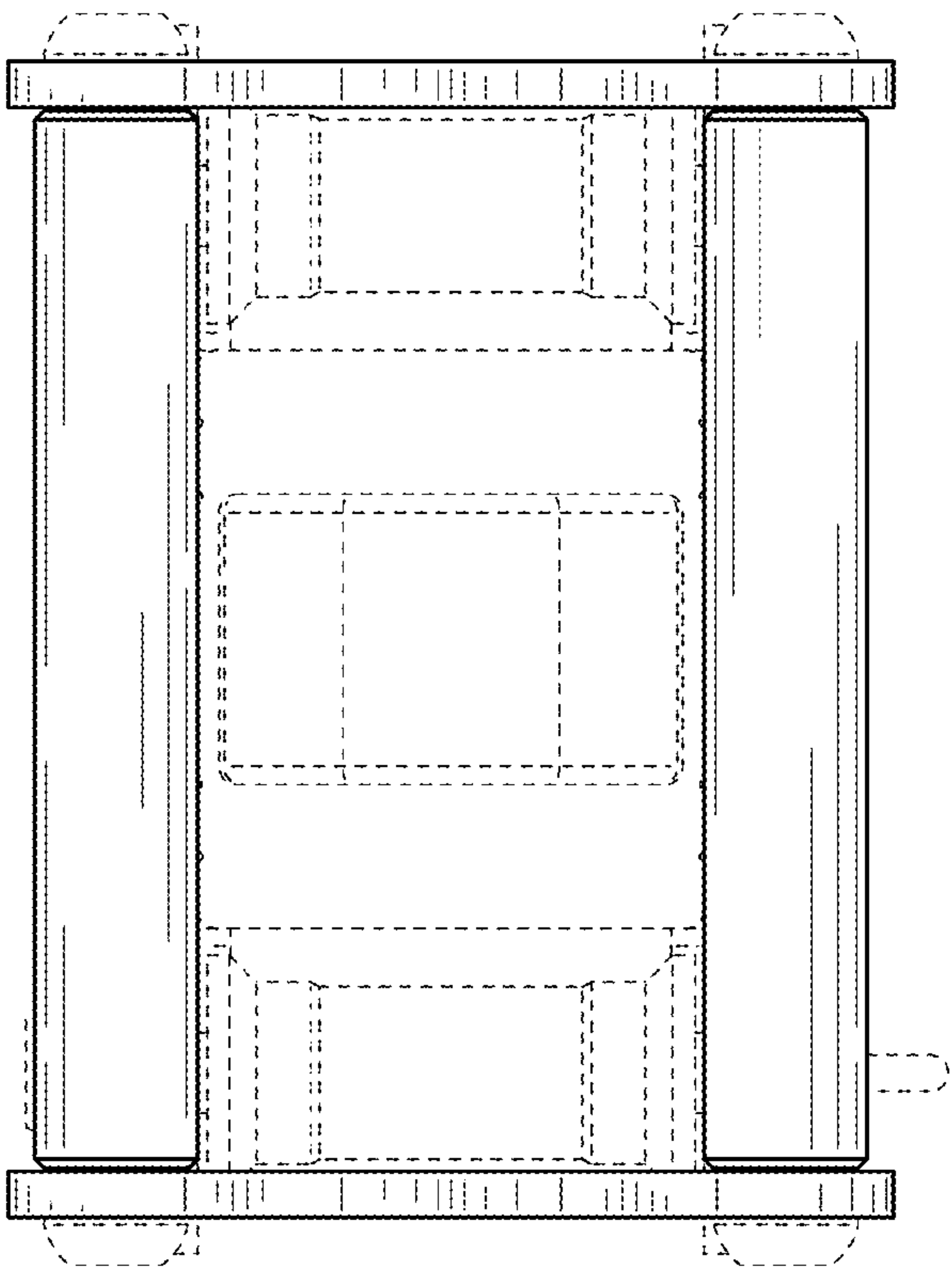


FIG. 3

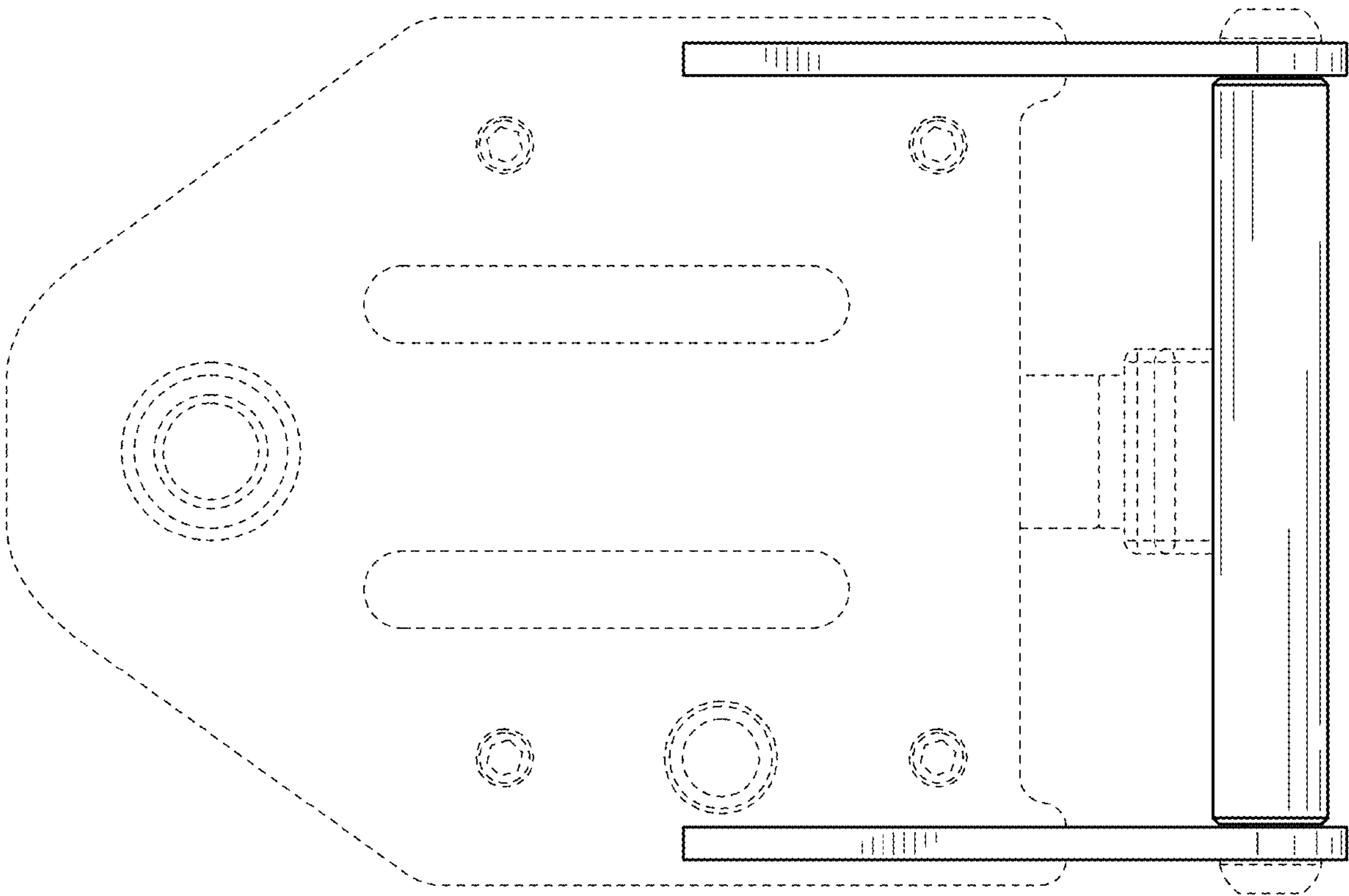


FIG. 4

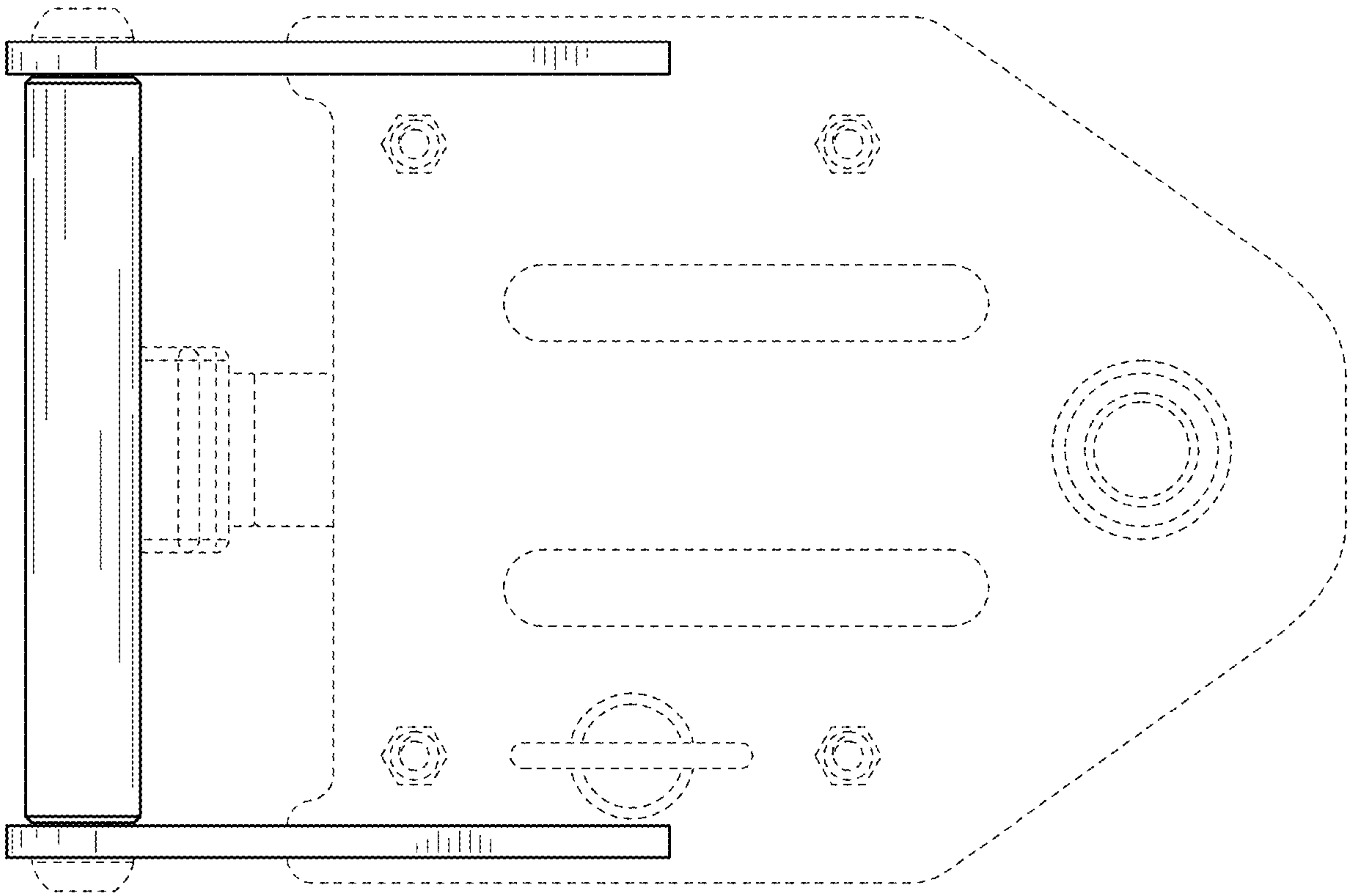


FIG. 5

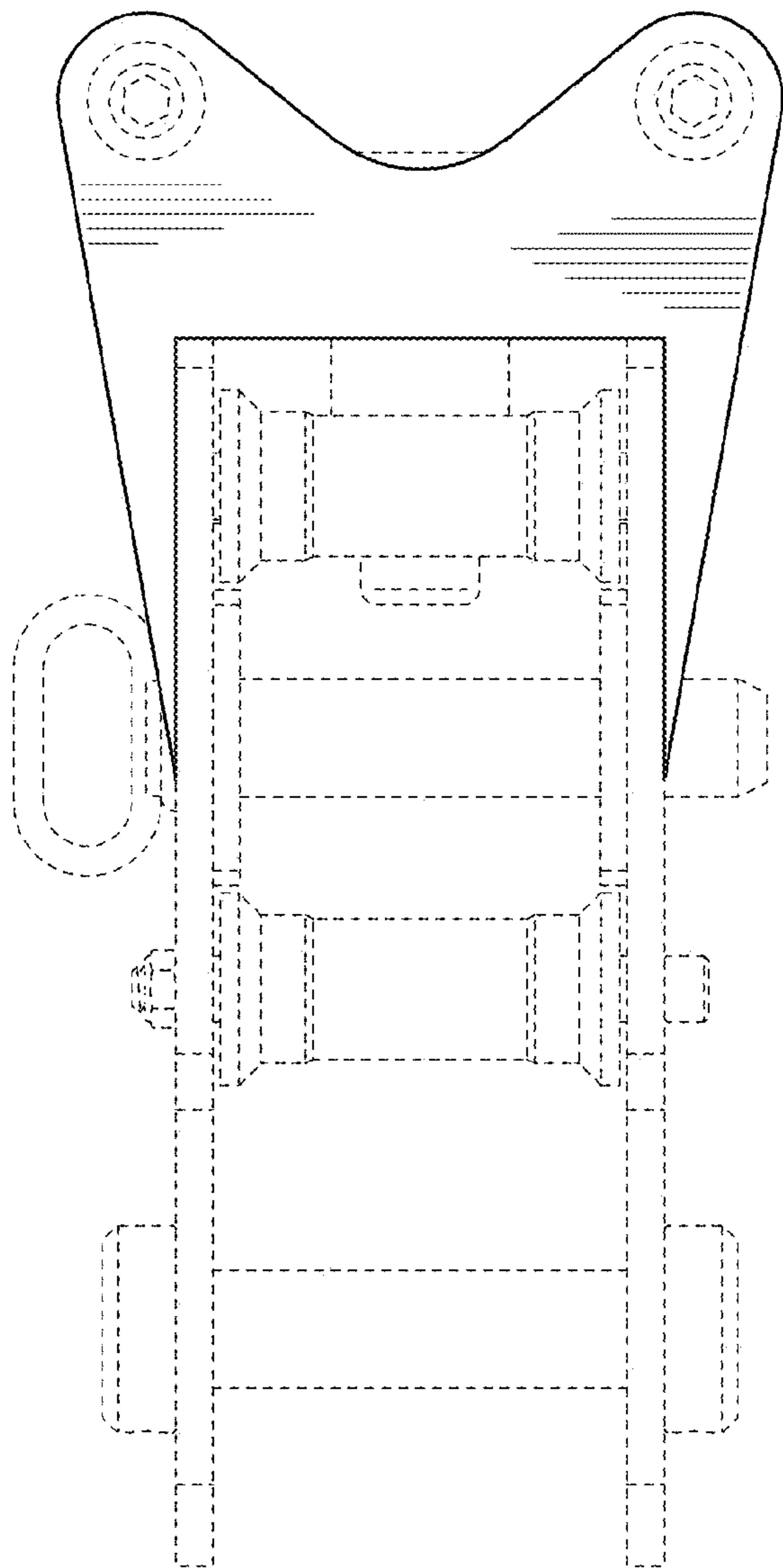


FIG. 6

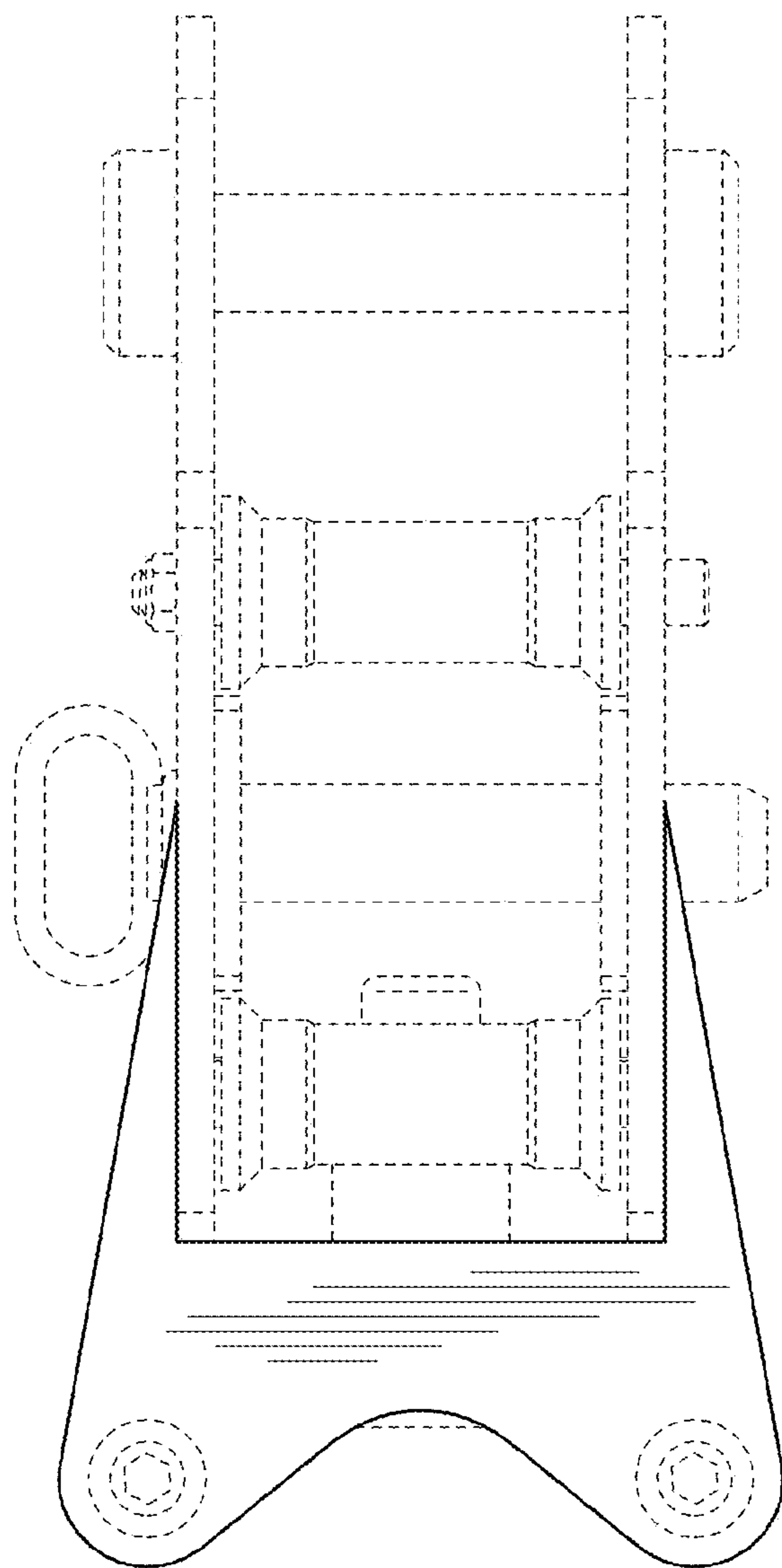


FIG. 7

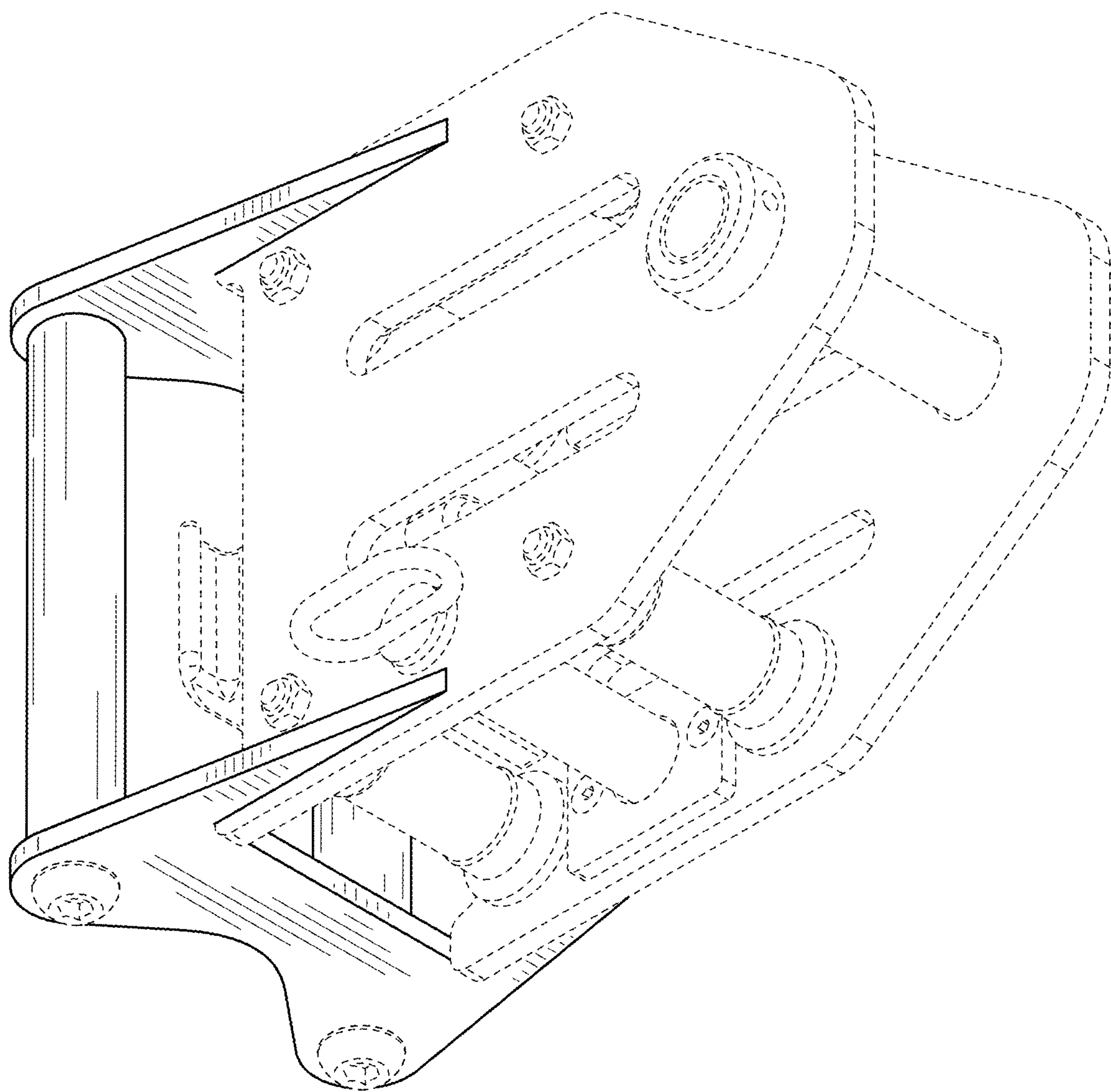


FIG. 8

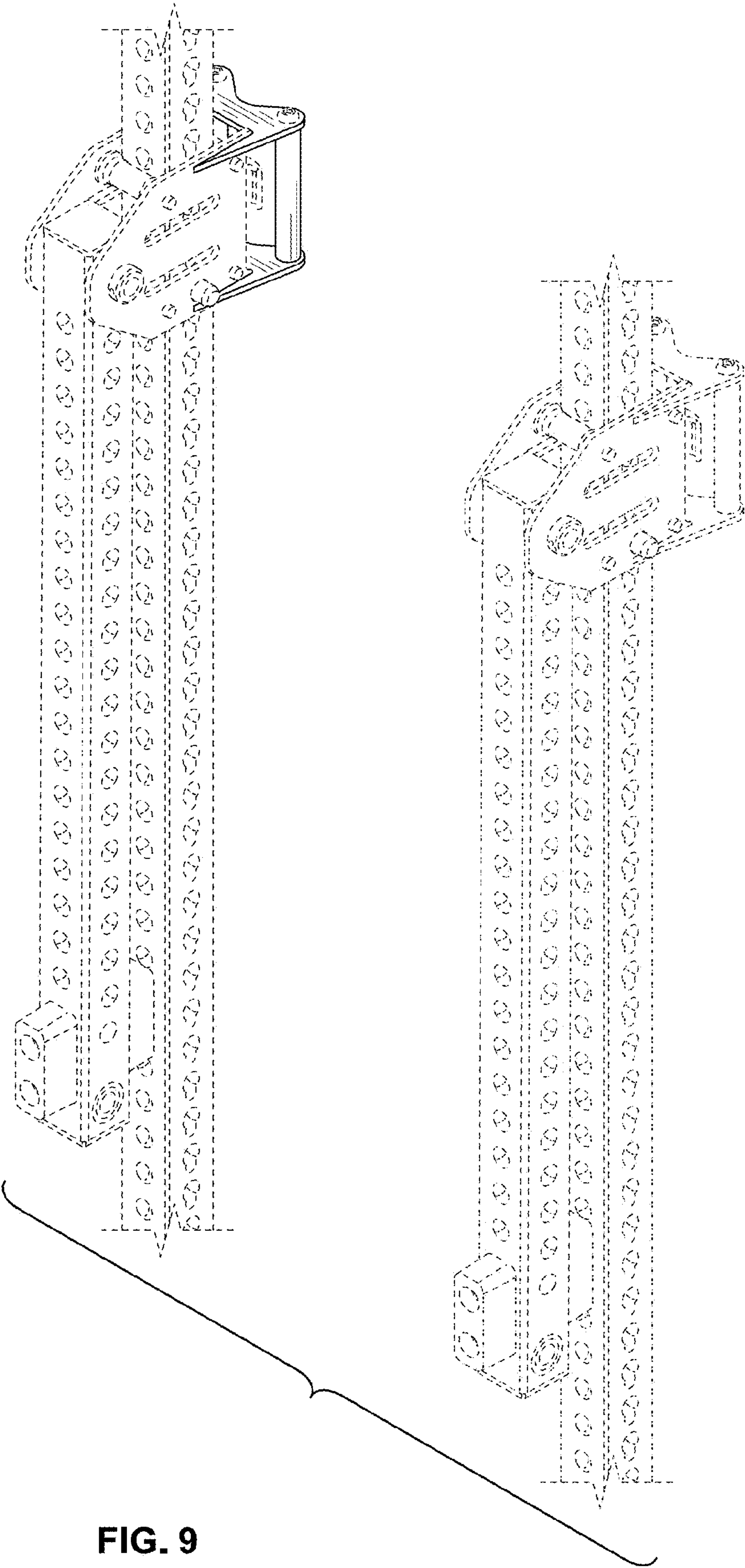


FIG. 9