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(12) **United States Design Patent** (10) **Patent No.:** **US D773,107 S**
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(54) **HORTICULTURE GROW LIGHT**

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USPC **D26/118**

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D26/72, 76, 80, 81, 85, 86, 88, 90, 113, 118,
D26/119, 120, 122, 128, 129, 138, 143, 144
CPC B60Q 1/04; B60Q 1/26; F21S 8/026;
F21S 8/04; F21V 29/004; F21V 21/02;
F21V 21/04; F21V 29/2212; F21V 7/22;
F21V 29/83; F21V 37/002; F21V 7/00;
F21L 19/00; F23D 11/443; F21Y 2101/02;
A61L 9/037

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

32,722 A 7/1861 Schmidlin
D46,253 S 8/1914 Opp
1,410,945 A 3/1922 Mayfield
1,547,026 A 7/1925 Canney
D85,049 S 9/1931 Kopp

(Continued)

FOREIGN PATENT DOCUMENTS

CA 2034710 A1 8/1991
CA 1314529 C 3/1993

(Continued)

OTHER PUBLICATIONS

Apollo Horticulture GLRCTAC 6" Air Cool Tube Grow Light Deluxe Glass Cylinder with Hood Reflector, image post date Oct. 15, 2010, site visted Oct. 3, 2014, (online), <http://www.amazon.com/apollo-horticulture-glrcac-cylinder-reflector/dp/b003qkvv04/ref=pd_sbs_lg_5?ie=utf8&refrid=1y9v9qhh4n5vnctjmfr>.

(Continued)

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(57) **CLAIM**

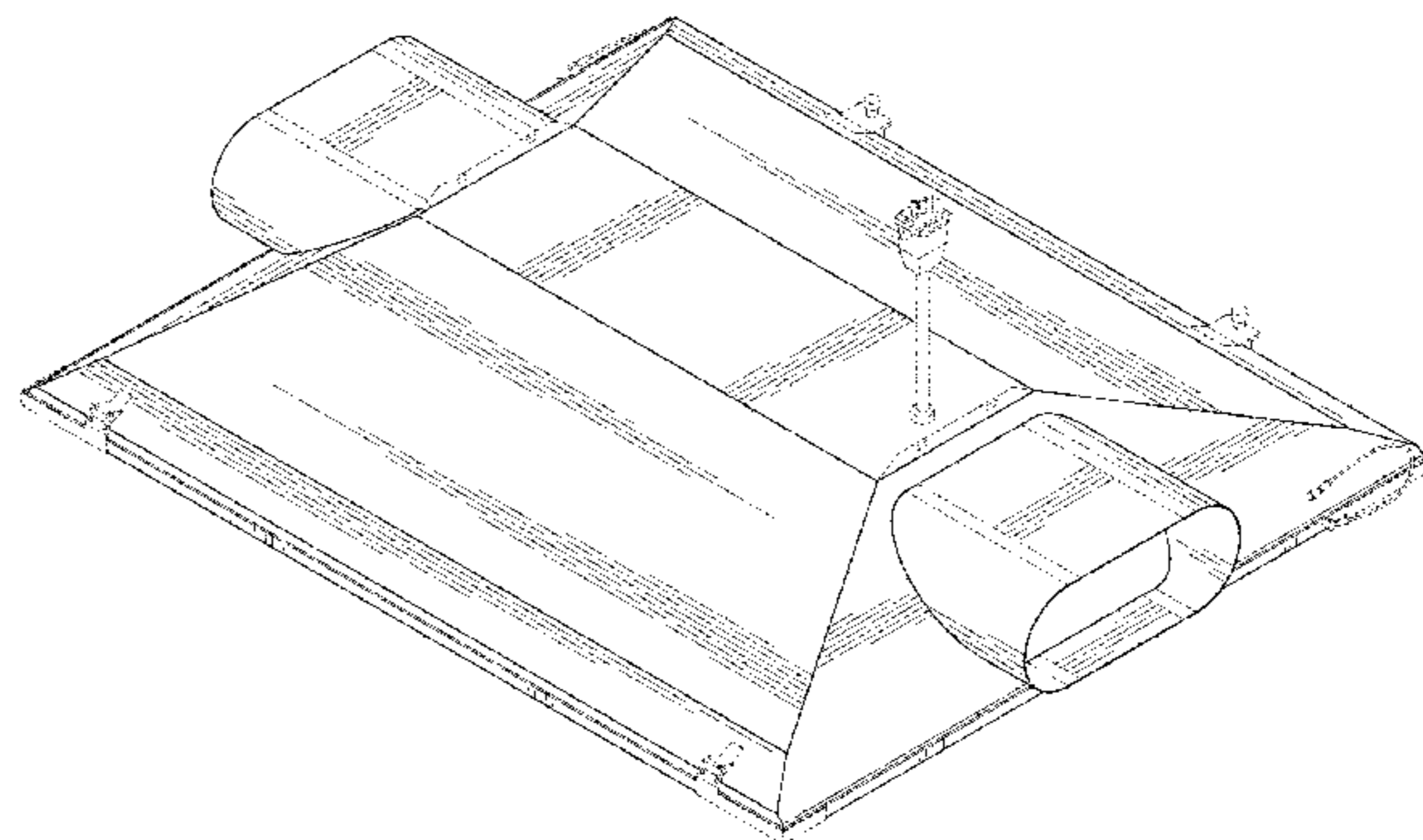
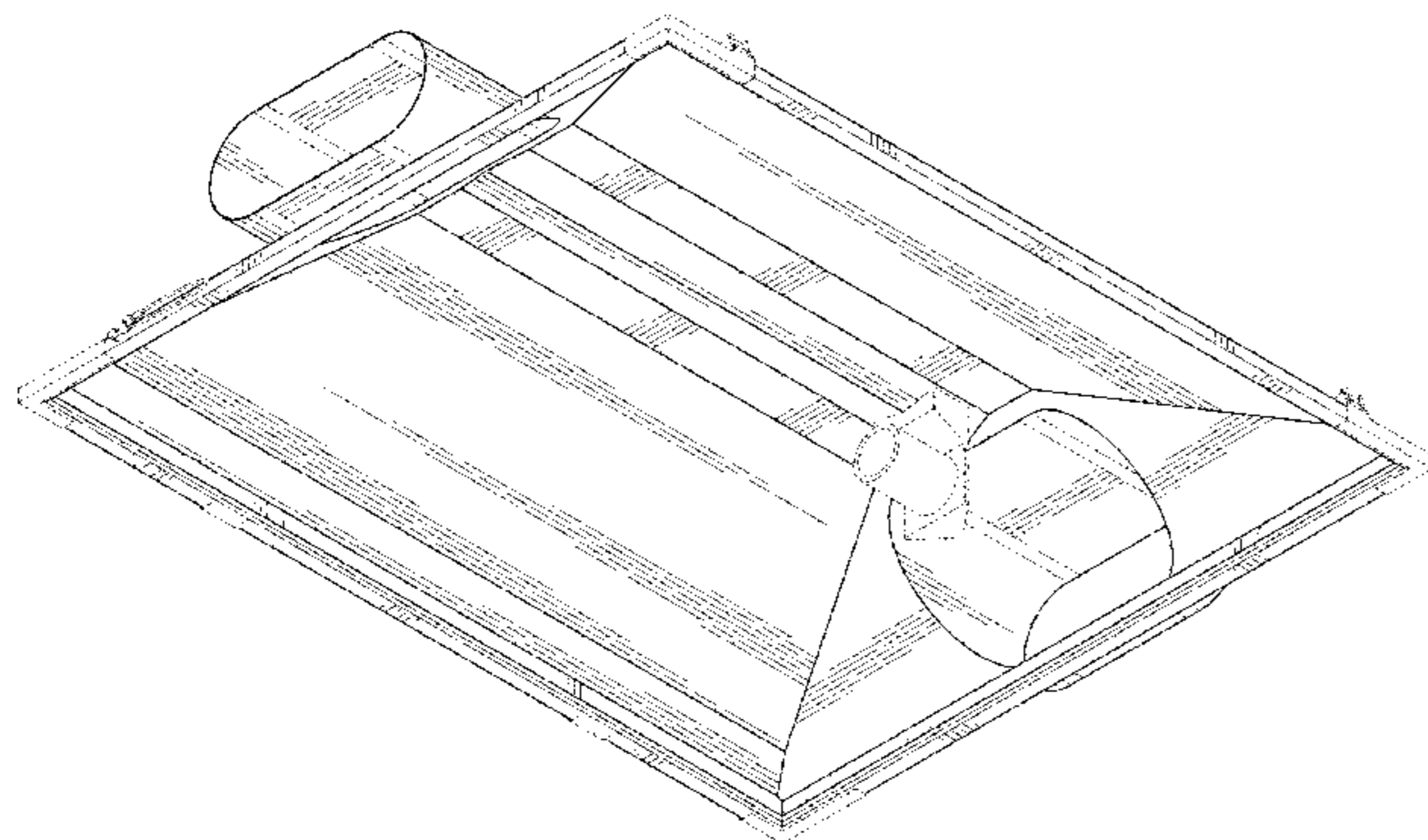
The ornamental design for a horticulture grow light, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a horticulture grow light, as viewed from below, showing my new design;
FIG. 2 is a perspective view of the horticulture grow light shown in FIG. 1, as viewed from above;
FIG. 3 is a left side view of the horticulture grow light shown in FIG. 1;
FIG. 4 is a right side view of the horticulture grow light shown in FIG. 1;
FIG. 5 is a front elevation view of the horticulture grow light shown in FIG. 1;
FIG. 6 is a rear elevation view of the horticulture grow light shown in FIG. 1;
FIG. 7 is a top plan view of the horticulture grow light shown in FIG. 1; and,
FIG. 8 is a bottom plan view of the horticulture grow light shown in FIG. 1.

The broken-line disclosure shown in the views is understood to represent portions of the article in which the claimed design is embodied, but which form no part of the claimed design.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D85,382 S	10/1931	Guth	5,896,004 A	4/1999	Feldman et al.	
1,848,734 A	3/1932	Luce	5,924,789 A	7/1999	Thornton	
1,873,310 A	8/1932	Doane	5,932,955 A	8/1999	Berger et al.	
1,930,070 A	10/1933	Zecher	5,938,317 A	8/1999	Thornton	
1,987,705 A	1/1935	Pedersen	D415,304 S	10/1999	Brown	
D106,614 S	10/1937	Waterbury	5,983,564 A	11/1999	Stragnola	
2,194,841 A	3/1940	Welch	5,987,697 A	11/1999	Song et al.	
D119,800 S	4/1940	Carter	5,999,943 A	12/1999	Nori	
D123,768 S	12/1940	Scribner	D418,626 S	1/2000	Herst	
D128,049 S	7/1941	Kurtz	D419,248 S	1/2000	Lyons	
D135,375 S	3/1943	Biller	6,024,468 A	2/2000	Kassay	
2,339,100 A	1/1944	Netting	6,042,250 A	3/2000	Stragnola	
2,348,617 A	5/1944	Furedy	6,051,927 A	4/2000	Graser et al.	
D174,221 S	3/1955	Hatch	6,053,624 A	4/2000	Cronk	
2,740,883 A	4/1956	Kruger	D425,237 S	5/2000	Scott	
2,741,694 A	4/1956	Wiig	D425,652 S	5/2000	Brok	
2,998,511 A	8/1961	Chan	D426,010 S	5/2000	Compton	
3,025,391 A	3/1962	Golko	6,061,690 A	5/2000	Nori	
D193,802 S	10/1962	Thomsen	6,065,849 A	5/2000	Chen	
D195,012 S	4/1963	Hoyle	6,070,173 A	5/2000	Huber	
3,125,301 A	3/1964	Stutter	6,076,944 A	6/2000	Maranon	
3,263,071 A	7/1966	Fabbri	6,079,851 A	6/2000	Altman	
3,272,978 A	9/1966	Jackson	D428,516 S *	7/2000	Reo D26/118	
3,322,946 A	5/1967	Cooper	6,094,919 A	8/2000	Bhatia	
3,420,995 A	1/1969	Dunckel	6,111,739 A	8/2000	Wu et al.	
D213,391 S	2/1969	Bruno	6,152,579 A	11/2000	Reed et al.	
3,433,941 A	3/1969	Hall	D439,008 S	3/2001	Kim	
3,675,008 A	7/1972	Hill	6,230,497 B1	5/2001	Morris et al.	
3,701,898 A	10/1972	McNamara, Jr.	6,247,830 B1	6/2001	Winnett	
3,829,677 A	8/1974	DeLlano	D445,943 S	7/2001	Littman	
3,902,059 A	8/1975	McNamara	6,257,735 B1	7/2001	Baar	
4,028,542 A	6/1977	McReynolds, Jr.	6,267,483 B1	7/2001	Hembery	
D245,016 S	7/1977	Barr	D447,272 S *	8/2001	Smith D26/118	
4,037,096 A	7/1977	Brendgord	6,279,012 B1	8/2001	Sexton	
4,078,169 A	3/1978	Armstrong	6,299,327 B1	10/2001	Camarota	
4,175,360 A	11/1979	Mulvey	D452,559 S	12/2001	Schonberger	
D259,738 S	6/1981	Boschetti	6,343,984 B1	2/2002	Langdon et al.	
D266,578 S	10/1982	Moshier	6,371,630 B1	4/2002	Unger	
D268,287 S	3/1983	Boschetti	D456,927 S	5/2002	Russello	
D270,577 S	9/1983	DeVos	D456,928 S	5/2002	Russello	
4,531,180 A	7/1985	Hernandez	D456,938 S *	5/2002	Wardenburg D26/118	
4,669,033 A	5/1987	Lee	D457,450 S	5/2002	Lamond	
D290,662 S	7/1987	Basil	D459,825 S	7/2002	Field	
D300,877 S	4/1989	Cyr	6,488,387 B2	12/2002	Wardenburg	
4,855,884 A	8/1989	Richardson	D469,564 S	1/2003	Brok	
4,893,221 A	1/1990	Friedman	6,527,422 B1	3/2003	Hutchison	
4,933,821 A	6/1990	Anderson	6,548,948 B1	4/2003	Muessli	
4,939,629 A	7/1990	Glanton et al.	6,595,662 B2	7/2003	Wardenburg	
D311,597 S	10/1990	Poot	6,601,972 B2	8/2003	Sei et al.	
4,970,428 A	11/1990	Hayakawa et al.	6,658,652 B1	12/2003	Alexander	
4,980,809 A	12/1990	Baldwin et al.	6,679,619 B2	1/2004	Saieva	
5,065,294 A	11/1991	Poot, Jr.	D486,593 S	2/2004	Griffin	
5,072,349 A	12/1991	Waniga	6,688,759 B1	2/2004	Hadjimichael	
D323,897 S	2/1992	Compton	6,729,383 B1	5/2004	Cannell et al.	
5,192,129 A	3/1993	Figueroa	6,783,263 B1	8/2004	Cronk	
5,199,784 A	4/1993	Hempleman	D499,505 S	12/2004	Benensohn	
5,253,152 A	10/1993	Yang	D504,343 S	4/2005	Ek	
5,353,746 A	10/1994	Del Rosario	6,885,134 B2	4/2005	Kurashima et al.	
D352,126 S	11/1994	Ruud	6,908,212 B2	6/2005	Schultz	
5,440,470 A	8/1995	Ly	7,011,424 B1	3/2006	Poulson	
5,461,554 A	10/1995	Leonetti et al.	7,083,309 B2	8/2006	Chan	
5,486,737 A	1/1996	Hrubowchak et al.	7,131,753 B1	11/2006	Edwards, Jr.	
5,510,676 A	4/1996	Cottaar et al.	7,156,539 B2	1/2007	Cronk	
D373,000 S	8/1996	Brady	7,175,309 B2	2/2007	Craw et al.	
5,570,947 A	11/1996	Felland	D542,460 S	5/2007	Hargreaves	
D376,437 S	12/1996	Karlo	D543,652 S *	5/2007	Hargreaves D26/118	
5,621,267 A	4/1997	Shaffner	D543,654 S	5/2007	Hargreaves	
D383,243 S	9/1997	Fry	D543,655 S	5/2007	Hargreaves	
5,698,947 A	12/1997	Choi	7,213,948 B2	5/2007	Hein	
5,702,179 A	12/1997	Sidwell	D544,136 S	6/2007	Hargreaves	
D396,319 S	7/1998	Sutton	D544,138 S	6/2007	Hargreaves	
D399,328 S	10/1998	Compton	D544,139 S	6/2007	Hargreaves	
D400,289 S	10/1998	Wardenburg	D544,626 S	6/2007	Hargreaves	
D401,006 S	11/1998	Edwards	D544,983 S	6/2007	Hargreaves	
D405,976 S	2/1999	Beall	D544,985 S	6/2007	Hargreaves	
			D544,987 S	6/2007	Hargreaves	
			D544,985 S	6/2007	Hargreaves	
			D544,987 S	6/2007	Hargreaves	
			D544,994 S	6/2007	Hargreaves	
			D544,995 S *	6/2007	Hargreaves D26/118	

(56)

References Cited

U.S. PATENT DOCUMENTS

D545,460 S	6/2007	Mason, II		D715,994 S	10/2014	Klus	
D545,484 S *	6/2007	Hargreaves	D26/118	D720,488 S	12/2014	Toyohisa	
D545,485 S *	6/2007	Hargreaves	D26/118	D720,505 S	12/2014	Kersten	
D545,990 S	7/2007	Hargreaves		8,905,575 B2 *	12/2014	Durkee	F21V 7/0008 362/218
D545,994 S	7/2007	Hargreaves		D720,876 S	1/2015	Haverfield	
D545,996 S	7/2007	Hargreaves		D721,844 S	1/2015	Lay	
7,360,927 B2	4/2008	Oka		D722,654 S	2/2015	Martone	
D569,024 S	5/2008	Redfern		D725,819 S	3/2015	Reynolds	
D572,858 S	7/2008	Santoro		D725,820 S	3/2015	Hargreaves	
7,445,363 B2	11/2008	Vanden Eynden		D726,359 S	4/2015	Grigore	
7,524,090 B2	4/2009	Hargreaves		9,016,892 B1	4/2015	Scribante	
7,534,011 B2	5/2009	Townsley		9,016,907 B2	4/2015	Stanley	
D603,087 S	10/2009	Mo et al.		D728,848 S	5/2015	Reyes	
7,617,057 B2	11/2009	May et al.		D729,435 S	5/2015	Arndt	
D605,342 S	12/2009	Chung		D730,556 S	5/2015	Toyohisa	
D608,490 S	1/2010	Chung		D731,103 S	6/2015	Wilke	
7,641,367 B2	1/2010	Hargreaves et al.		D731,701 S *	6/2015	Hargreaves	D26/118
7,654,702 B1	2/2010	Ding		D732,233 S	6/2015	Reynolds	
D614,801 S *	4/2010	Collins	D26/118	D732,234 S	6/2015	Rashidi Doust	
7,722,228 B2	5/2010	Broer		D732,235 S *	6/2015	Reynolds	D26/118
D617,028 S	6/2010	Verfuert		D732,236 S *	6/2015	Reynolds	D26/118
D620,190 S	7/2010	Chung		D733,347 S	6/2015	Dungan	
7,771,086 B2	8/2010	Goverde		D733,952 S	7/2015	Lay	
7,854,534 B2	12/2010	Liu		D733,960 S	7/2015	Howe	
D632,419 S	2/2011	Ng		D734,534 S	7/2015	Howe	
D633,640 S	3/2011	Wauters		D735,391 S	7/2015	Blessitt	
D634,060 S *	3/2011	Wardenburg	D26/118	D735,401 S	7/2015	Clements	
D634,240 S	3/2011	Junkeer		D736,450 S *	8/2015	Reynolds	D26/118
D634,468 S	3/2011	Hargreaves		D737,498 S	8/2015	Stanley	
D634,469 S *	3/2011	Hargreaves	D26/118	D739,595 S	9/2015	Reynolds	
D637,162 S	5/2011	Bridgman		D740,486 S *	10/2015	Stanley	D26/118
D637,341 S	5/2011	Wardenburg		D747,029 S *	1/2016	Reynolds	D26/118
D637,752 S	5/2011	Mekhtarian		D747,538 S	1/2016	Hargreaves	
D640,404 S	6/2011	Chipperfield		D747,825 S	1/2016	Reynolds	
7,959,331 B2	6/2011	Ho		D748,849 S *	2/2016	Stanley	D26/118
7,972,044 B2	7/2011	Burkhauser		D750,312 S	2/2016	Reynolds	
7,987,632 B2	8/2011	May et al.		D750,313 S	2/2016	Reynolds	
8,018,630 B2	9/2011	Herloski		D750,316 S *	2/2016	Reynolds	D26/118
8,038,318 B2	10/2011	Plunk		D751,244 S *	3/2016	Reynolds	D26/118
D648,652 S	11/2011	Hawkins		D751,245 S	3/2016	Stanley	
D649,685 S	11/2011	Trzesniowski		D751,247 S *	3/2016	Reynolds	D26/118
D650,515 S	12/2011	Bradley		D757,346 S	5/2016	Stanley	
D650,935 S	12/2011	Beghelli		2002/0073285 A1	6/2002	Butterworth	
8,113,696 B2	2/2012	Striebel		2002/0141195 A1	10/2002	Peter	
D655,403 S	3/2012	Zakula		2003/0031011 A1	2/2003	Miller	
D661,370 S	6/2012	Imajo		2003/0191783 A1	10/2003	Wolczko	
8,209,912 B2	7/2012	Hargreaves et al.		2005/0117333 A1	6/2005	Yoshida	
D668,370 S	10/2012	Guercio		2005/0160481 A1	7/2005	Todd	
D671,259 S	11/2012	Chen		2006/0231081 A1	10/2006	Kirakosyan	
D672,908 S	12/2012	Wilcox		2006/0232984 A1	10/2006	Schuknecht	
8,334,640 B2	12/2012	Reed et al.		2006/0282457 A1	12/2006	Williams	
D675,369 S *	1/2013	Michaud	D26/118	2007/0051321 A1	3/2007	Chang	
8,348,481 B2	1/2013	Chang		2007/0070633 A1	3/2007	Eynden	
D675,772 S	2/2013	Tran		2007/0228993 A1	10/2007	Stuer et al.	
8,371,726 B2	2/2013	Collins et al.		2007/0246631 A1	10/2007	Brown	
D678,597 S	3/2013	Lehman		2007/0282806 A1	12/2007	Hoffman	
D678,599 S	3/2013	Boyer et al.		2008/0059799 A1	3/2008	Scarlata	
D683,064 S	5/2013	Tuck		2008/0117617 A1	5/2008	Hargreaves et al.	
8,505,224 B2	8/2013	Huang		2008/0205030 A1	8/2008	Hargreaves	
D689,238 S	9/2013	Halsey		2008/0205071 A1	8/2008	Townsley	
D693,959 S *	11/2013	Boyer	D26/118	2008/0212326 A1	9/2008	Chon	
D698,075 S	1/2014	Klus		2008/0278950 A1	11/2008	Pickard et al.	
D698,986 S *	2/2014	Reynolds	D26/118	2009/0231840 A1	9/2009	Boehme et al.	
D698,987 S	2/2014	Stanley		2009/0262540 A1	10/2009	Hargreaves et al.	
D702,827 S	4/2014	Mase		2009/0276478 A1	11/2009	Soman	
8,702,283 B2	4/2014	Bradley, Jr.		2009/0310373 A1	12/2009	Burkhauser	
D705,474 S	5/2014	Philips		2009/0323335 A1	12/2009	Yang	
D705,974 S	5/2014	Blessitt		2010/0214789 A1	8/2010	Hawkes	
8,723,086 B2	5/2014	McMahan		2010/0238661 A1	9/2010	Pfund	
D707,385 S *	6/2014	Wardenburg	D26/118	2010/0277908 A1	11/2010	Hu	
D708,390 S	7/2014	Roos		2010/0277929 A1	11/2010	Hargreaves	
D710,528 S	8/2014	Wardenburg		2010/0302768 A1	12/2010	Collins	
8,801,235 B2	8/2014	Yurich		2011/0169412 A1	7/2011	Yurich	
D713,953 S	9/2014	Jepson		2011/0259665 A1	10/2011	Morgan	
D714,988 S	10/2014	Park		2012/0230035 A1	9/2012	Bradley, Jr. et al.	
				2013/0083539 A1	4/2013	Dimitriadis	
				2013/0155685 A1	6/2013	Stanley	
				2013/0242573 A1	9/2013	Petrsoiki	

(56)

References Cited

U.S. PATENT DOCUMENTS

2013/0250567	A1	9/2013	Edmond
2014/0378283	A1	12/2014	Qiu
2015/0023022	A1	1/2015	Stanley
2015/0098215	A1	4/2015	Torabifard
2015/0252992	A1	9/2015	Stanley
2015/0252993	A1	9/2015	Stanley
2015/0252994	A1	9/2015	Stanley

FOREIGN PATENT DOCUMENTS

EP	0325003	A1	7/1989
EP	0440274	A1	8/1991
WO	02063210	A2	8/2002
WO	2008018000	A1	2/2008
WO	2009096775	A2	8/2009
WO	2011119451	A1	9/2011
WO	2015009333		1/2015

OTHER PUBLICATIONS

Apollo Horticulture GLRLS24 6" Air Cooled Hydroponic Grow Light Glass Reflector Hood, image post date Oct. 15, 2010, site visited Oct. 3, 2014, (online), <http://www.amazon.com/apollo-horticulture-GLRLS24-hydroponic-reflector/dp/B00BMVK8HG/ref=cm_cd_ql_qh_dp_i>.

Adjustable Reflector, image post date Apr. 23, 2012, site visited Sep. 23, 2015, http://web.archive.org/web/2012043260757/http://hydroponics-products.en.alibaba.com/product/519225678-213056444/adjustable_reflector_grow_light_hydroponics_greenhouse_horticulture_reflector_hood.html.

Agrotech Magnum Reflector, image post date Feb. 5, 2012, site visited Oct. 31, 2014, www.hydroponics.net/136580.

Cree CR22, image post date Apr. 28, 2011, site visited Nov. 15, 2014, <http://ledsmagazine.com/content/dam/leds/migrated/objects/news/8/4/19/cree204272011.jpg>.

ZR series High Efficacy Troffer, image post date Apr. 13, 2012, site visited Oct. 31, 2014, www.cree.com/lighting/products.

Grow Lights Home Depot: Find many types of grow lights for your plant, published Dec. 22, 2012, online. Site visited May 25, 2014.

[Http://besthomedecorffurniture.com/gardening-decor/grow-lights-home-depot-few-things-to-consider-when-buying-grow-lighting-plants-online.html](http://besthomedecorffurniture.com/gardening-decor/grow-lights-home-depot-few-things-to-consider-when-buying-grow-lighting-plants-online.html).

LED Grow Light Comparison Test Review, Youtube.com, published Jun. 29, 2012, online. Site visited Jun. 25, 2014. www.youtube.com/watch?v=f-8oy0qbgrs.

Illuminator Pro-Series Hybrid 350W, wordpress.com, published Dec. 22, 2010, online, site visited Jun. 25, 2014. <http://growsetup.wordpress.com/category/grow-lights/>.

California Lightworks New SolarStorm 440W LED Grow Light with UVB, hydrobuilder.com, online. Site visited Mar. 25, 2014. http://hydrobuilder.com/solarstorm-440w-led-grow-light-with-uvb.html?dzid=strands_CLW-SS-440.

2013 Sunlight Supply Cataog, Issuu.com, published Aug. 1, 2013, online. Site visited Feb. 2, 2015. http://issuu.com/sunlightsupply/docs/2013_sunlightproductcatalog/49.

pp. 29 and 54 from 2014-2015 dealer catalog showing and describing Super Sun DE reflector published by Sunlight Supply, Inc. 2014. Dominator XXXL Non AC Reflector pack of 3 Spec Sheet, GreenTreesHydroponics.com, date available Mar. 12, 2014, online. Site visited Feb. 3, 2015, <https://www.hydroponics.net/i/141477>.

Low Rider Air-Cooled Reflector—TinEye, image post date Oct. 11, 2012, site visited Oct. 1, 2015, www.tineye.com/search/1b0e187c5ed9e4e9cfb55d0472271385a2c0e88/?pluginver.

OG Air Cooled Parabolic Reflector Only—Make the Most of Your Grow Light, GroWell Hydroponics, <http://www.growell.co.uk/og-air-cooled-parabolic-reflector-only.html>, pp. 1-2, accessed Aug. 26, 2014.

Air Resistance: Distinguishing Between Laminar and Turbulent Flow, www.docstoc.com, Dec. 29, 2010, p. 1-6.

Sun Systems LEC 630 Light Emitting Ceramic Fixture, Spec Sheet for 906217—Sun System LEC 630 120 Volt w/ 3100 K Lamps, www.sunlightsupply.com/shop/bycategory/led-lighting/sun-system-lec-630-light-emitting-ceramic-fixture, online, updated Feb. 9, 2015. Site visited Mar. 30, 2015, p. 1.

Mohri, Mineko, International Preliminary Report on Patentability for PCT/US2014/014959, Jan. 19, 2016.

A3V Reflector, Titaness Light Shop, www.titanesslightshop.com/products-page/reflectors/a3v-reflector, online. Site visited Jan. 14, 2015.

G2V Grow Light Reflector, Titaness Light Shop, www.titanesslightshop.com/products-page/reflectors/g2v-grow-light-reflector, online. Site visited Jan. 14, 2015.

* cited by examiner

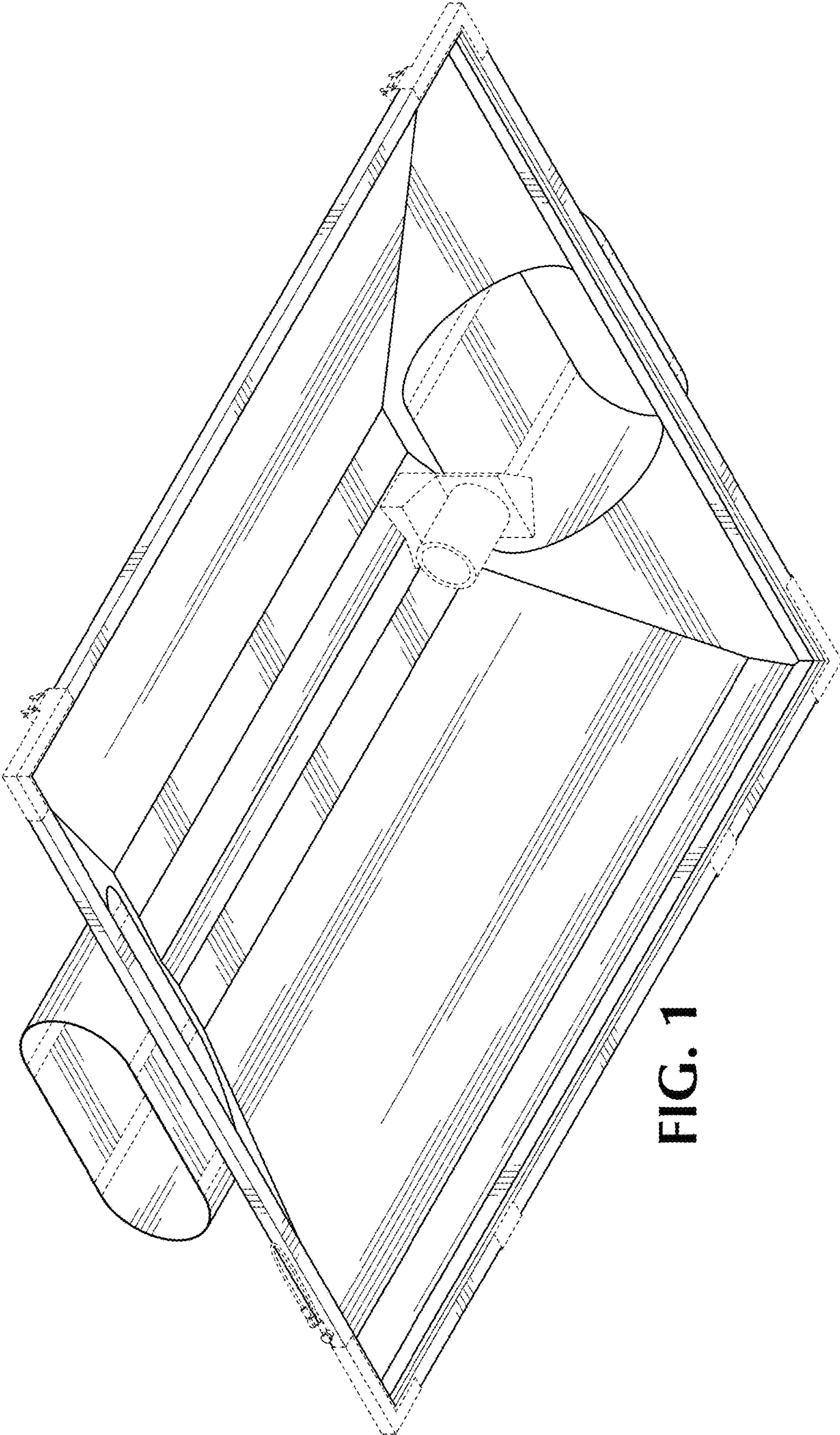


FIG. 1

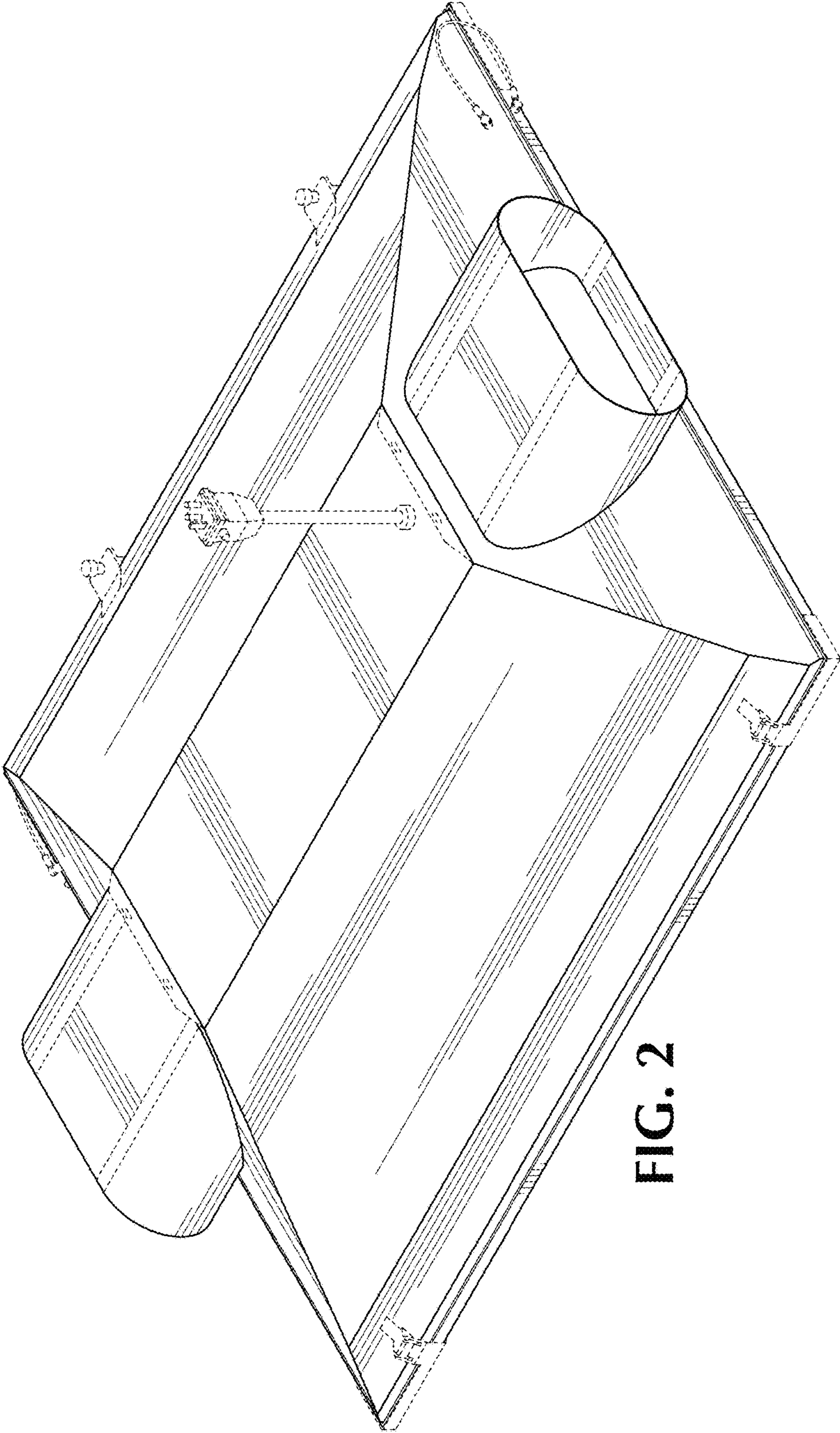


FIG. 2

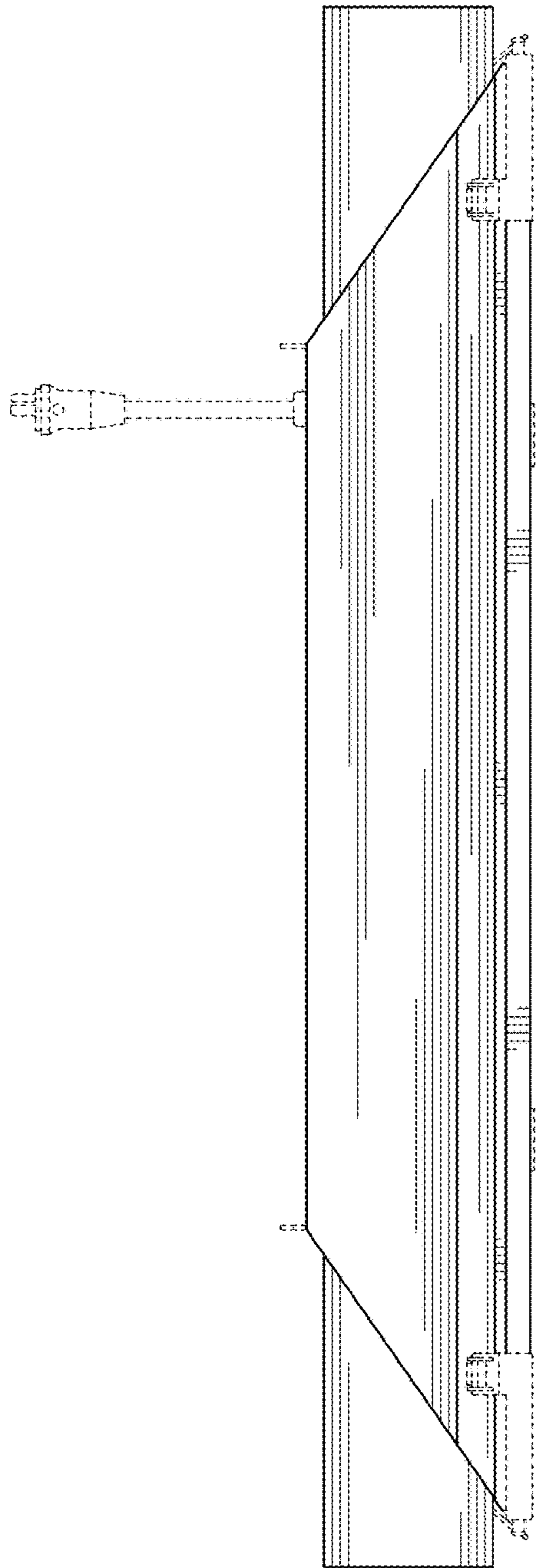


FIG. 3



FIG. 4

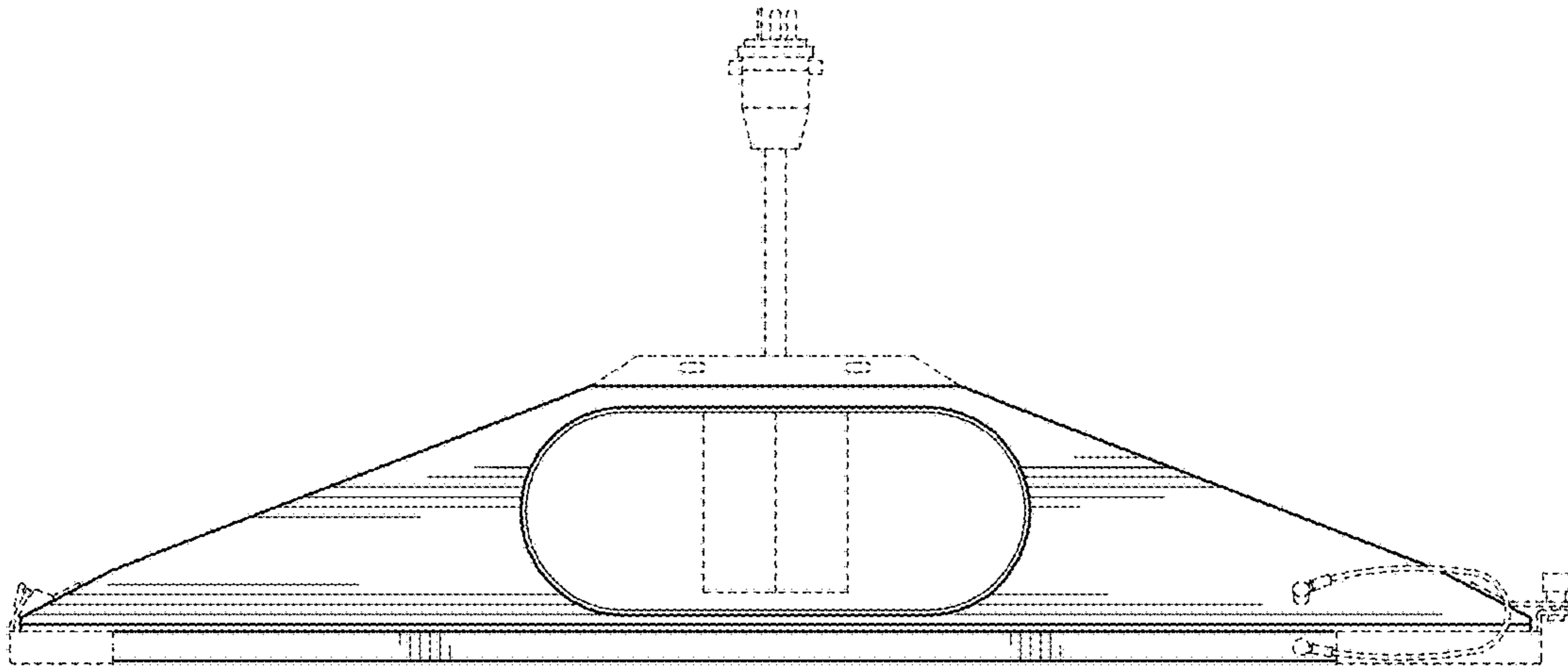


FIG. 5

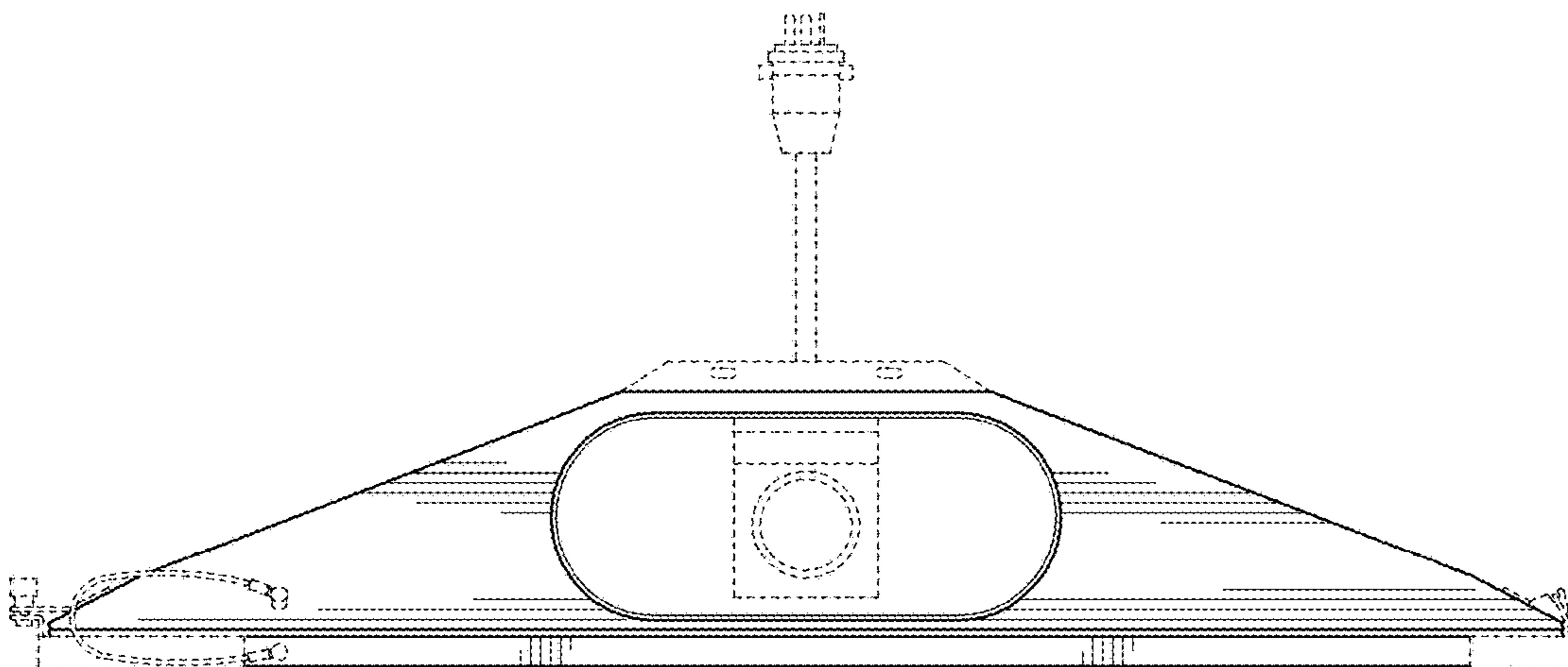
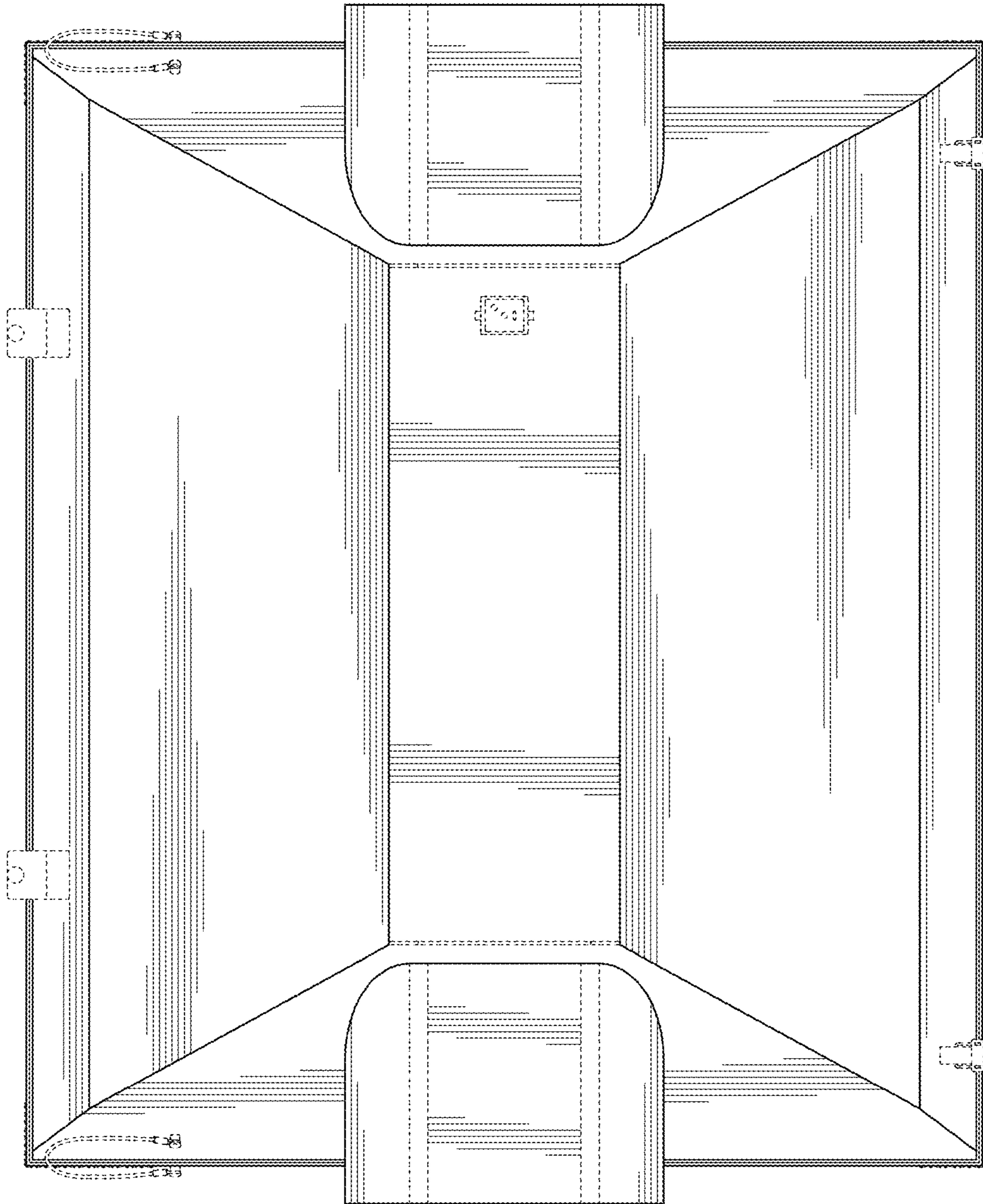


FIG. 6

FIG. 7



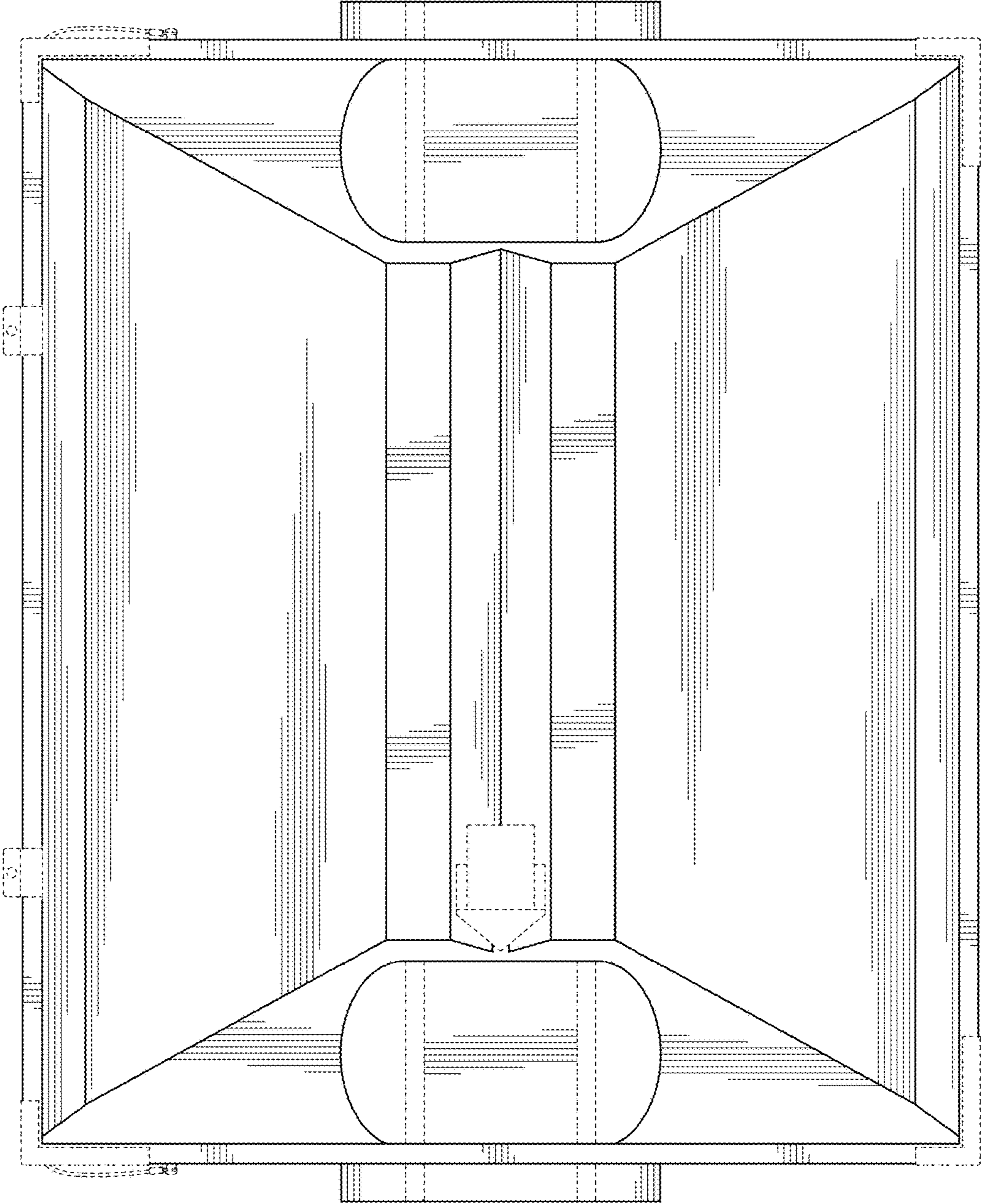


FIG. 8