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(12) **United States Design Patent**  
**Reynolds**

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(54) **LIGHT FIXTURE**

(71) Applicant: **IP Holdings, LLC**, Vancouver, WA  
(US)

(72) Inventor: **Christopher Reynolds**, Vancouver, WA  
(US)

(73) Assignee: **IP Holdings, LLC**, Vancouver, WA  
(US)

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

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**Related U.S. Application Data**

(63) Continuation of application No. 29/596,630, filed on  
Mar. 9, 2017, which is a continuation of application  
(Continued)

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(52) **U.S. Cl.**  
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(58) **Field of Classification Search**  
USPC ... D26/9, 10, 12, 13, 15, 16, 24, 51, 61, 72,  
D26/76, 80, 81, 85, 86, 88, 90, 113, 118,  
(Continued)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D32,722 S 7/1861 Schmidlin  
D46,253 S 8/1914 Kopp  
(Continued)

**FOREIGN PATENT DOCUMENTS**

CA 2034710 8/1991  
CA 1314529 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-glrectac-cylinder-reflector/dp/b003qkvv04/ref=pd\\_sbs\\_lg\\_5?ie=utf8&refrid=1y9v9qhh4n5vnctjmfr](http://www.amazon.com/apollo-horticulture-glrectac-cylinder-reflector/dp/b003qkvv04/ref=pd_sbs_lg_5?ie=utf8&refrid=1y9v9qhh4n5vnctjmfr)>.

(Continued)

*Primary Examiner* — Brian N Vinson

(74) *Attorney, Agent, or Firm* — J. Douglas Wells

(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a perspective view of a light fixture, as viewed from  
below, showing my new design;

FIG. 2 is a perspective view of the light fixture shown in  
FIG. 1, as viewed from above;

FIG. 3 is a left side view of the light fixture shown in FIG.  
1;

FIG. 4 is a right side view of the light fixture shown in FIG.  
1;

FIG. 5 is a front elevation view of the light fixture shown in  
FIG. 1;

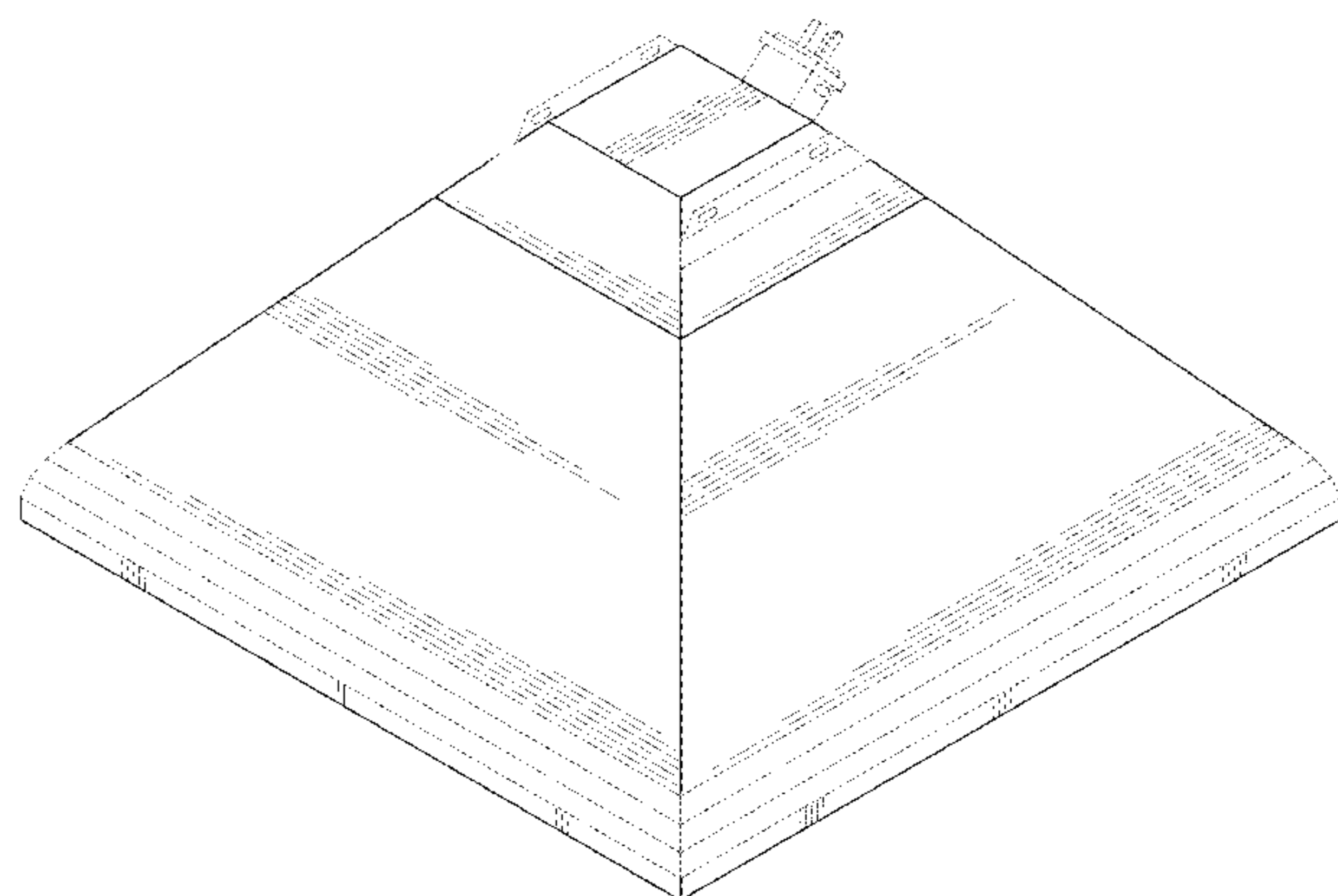
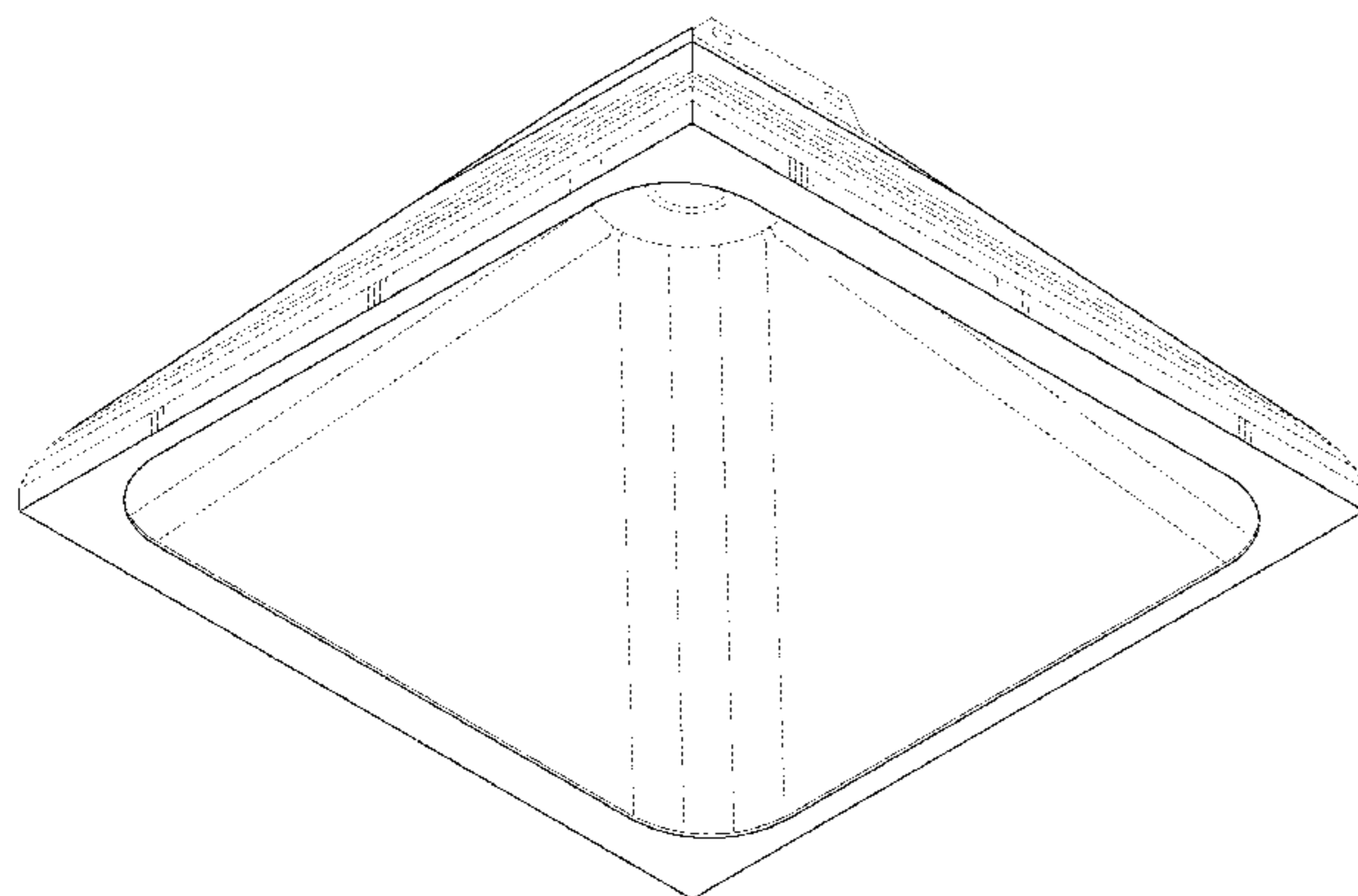
FIG. 6 is a rear elevation view of the light fixture shown in  
FIG. 1;

FIG. 7 is a top plan view of the light fixture shown in FIG.  
1; and,

FIG. 8 is a bottom plan view of the light fixture 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**



**Related U.S. Application Data**

No. 29/577,324, filed on Sep. 12, 2016, now Pat. No. Des. 786,488, which is a continuation of application No. 29/524,011, filed on Apr. 15, 2015, now Pat. No. Des. 769,513.

(58) **Field of Classification Search**

USPC ..... D26/119, 120, 122, 128, 129, 138, 143, D26/144  
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See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,410,945 A 3/1922 Mayfield  
 1,547,026 A 7/1925 Canney  
 1,798,567 A 3/1931 Wagenhorst  
 D85,049 S 9/1931 Kopp  
 D85,382 S 10/1931 Guth  
 1,848,734 A 3/1932 Luce  
 1,873,310 A 8/1932 Doane  
 1,930,070 A 10/1933 Zecher  
 1,987,705 A 1/1935 Pedersen  
 D106,614 S 10/1937 Waterbury  
 2,194,841 A 3/1940 Welch  
 D119,800 S 4/1940 Carter  
 D123,768 S 12/1940 Scribner  
 D125,559 S 3/1941 Biller  
 2,242,590 A 5/1941 Marcel  
 D128,049 S 7/1941 Kurtz  
 D135,375 S 3/1943 Biller  
 2,339,100 A 1/1944 Netting  
 2,348,617 A 5/1944 Furedy  
 D156,014 S 11/1949 Lazerson  
 2,492,946 A 1/1950 Barber  
 D174,221 S 3/1955 Hatch  
 2,740,883 A 4/1956 Kruger  
 2,741,694 A 4/1956 Wiig  
 2,998,511 A 8/1961 Chan  
 3,025,391 A 3/1962 Golko  
 D193,802 S 10/1962 Thomsen  
 D195,012 S 4/1963 Hoyle  
 3,125,301 A 3/1964 Stotter  
 3,263,071 A 7/1966 Fabbri  
 3,272,978 A 9/1966 Jackson  
 3,322,946 A 5/1967 Cooper  
 3,420,995 A 1/1969 Dunkel  
 D213,391 S 2/1969 Bruno  
 3,433,941 A 3/1969 Hall  
 3,675,008 A 7/1972 Hill  
 3,684,883 A 8/1972 Entwistle  
 3,701,898 A 10/1972 McNamara, Jr.  
 3,755,667 A 8/1973 Price  
 3,829,677 A 8/1974 DeLlano  
 3,902,059 A 8/1975 McNamara, Jr.  
 3,911,265 A 10/1975 Landrum  
 4,028,542 A 6/1977 McReynolds, Jr.  
 D245,016 S 7/1977 Barr  
 4,037,096 A 7/1977 Brendgord  
 4,078,169 A 3/1978 Armstrong  
 4,175,360 A 11/1979 Mulvey  
 4,229,782 A 10/1980 Ruud  
 D259,738 S 6/1981 Boschetti  
 4,308,573 A 12/1981 McNamara, Jr.  
 D262,659 S 1/1982 Lalita  
 D266,578 S 10/1982 Moshier  
 D268,287 S 3/1983 Boschetti  
 D270,577 S 9/1983 DeVos  
 4,446,506 A 5/1984 Larson

4,531,180 A 7/1985 Hernandez  
 4,616,293 A 10/1986 Baliozian  
 4,669,033 A 5/1987 Lee  
 D290,662 S 7/1987 Basil  
 D300,877 S 4/1989 Cyr  
 4,855,884 A 8/1989 Richardson  
 4,893,221 A 1/1990 Friedman  
 4,933,821 A 6/1990 Anderson  
 4,939,629 A 7/1990 Glanton  
 D311,597 S 10/1990 Poot  
 4,970,428 A 11/1990 Hayakawa  
 4,980,809 A 12/1990 Baldwin  
 D316,301 S 4/1991 Michael  
 5,006,752 A 4/1991 Eggink  
 5,065,294 A 11/1991 Poot  
 5,072,349 A 12/1991 Waniga  
 D323,897 S 2/1992 Compton  
 5,088,015 A 2/1992 Baggio  
 D329,104 S 9/1992 Dieperink  
 D330,438 S 10/1992 Herst  
 5,192,129 A 3/1993 Figueroa  
 5,199,784 A 4/1993 Hempleman  
 5,253,152 A 10/1993 Yang  
 D349,358 S 8/1994 Herst  
 5,353,746 A 10/1994 Del Rosario  
 D352,126 S 11/1994 Ruud  
 5,440,470 A 8/1995 Ly  
 5,457,450 A 10/1995 Deese  
 5,461,554 A 10/1995 Leonetti  
 D365,159 S 12/1995 Tinen  
 5,486,737 A 1/1996 Hrubowchak  
 5,510,676 A 4/1996 Cottaar  
 D373,000 S 8/1996 Brady  
 5,555,162 A 9/1996 Shemitz  
 D374,301 S 10/1996 Kleffman  
 5,568,680 A 10/1996 Parker  
 5,570,947 A 11/1996 Felland  
 D376,437 S 12/1996 Karlo  
 D377,993 S 2/1997 Herst  
 5,621,267 A 4/1997 Shaffner  
 D383,243 S 9/1997 Fry  
 5,698,947 A 12/1997 Choi  
 5,702,179 A 12/1997 Sidwell  
 D391,632 S 3/1998 Thomas  
 D396,319 S 7/1998 Sutton  
 D397,481 S 8/1998 Schafer  
 D399,328 S 10/1998 Compton  
 D399,329 S 10/1998 Compton  
 D399,587 S 10/1998 Compton  
 D400,289 S 10/1998 Wardenburg  
 5,816,694 A 10/1998 Ideker  
 D401,006 S 11/1998 Edwards  
 D405,976 S 2/1999 Beall  
 5,896,004 A 4/1999 Feldman  
 5,924,789 A 7/1999 Thornton  
 5,932,955 A 8/1999 Berger  
 5,938,317 A 8/1999 Thornton  
 D415,304 S 10/1999 Brown  
 5,983,564 A 11/1999 Stragnola  
 5,987,697 A 11/1999 Song  
 5,999,943 A 12/1999 Nori  
 D418,626 S 1/2000 Herst  
 D419,248 S 1/2000 Lyons  
 6,024,468 A 2/2000 Kassay  
 6,042,250 A 3/2000 Stragnola  
 6,051,927 A 4/2000 Graser  
 6,053,624 A 4/2000 Cronk  
 D425,237 S 5/2000 Scott  
 D425,652 S 5/2000 Brok  
 D426,010 S 5/2000 Compton  
 6,061,690 A 5/2000 Nori  
 6,065,849 A 5/2000 Chen  
 6,070,173 A 5/2000 Huber  
 6,076,944 A 6/2000 Maranon  
 6,079,851 A 6/2000 Altman  
 D428,516 S \* 7/2000 Reo ..... D26/118  
 6,094,919 A 8/2000 Bhatia  
 6,111,739 A 8/2000 Wu  
 6,152,579 A 11/2000 Reed

(56)

References Cited

U.S. PATENT DOCUMENTS

D439,008 S	3/2001	Kim	7,534,011 B2	5/2009	Townsley	
6,210,025 B1	4/2001	Schmidt	D595,894 S	7/2009	Verfuert	
6,230,497 B1	5/2001	Morris	D602,625 S	10/2009	Santoro	
D443,198 S	6/2001	Snyder	D603,087 S	10/2009	Mo	
D443,949 S	6/2001	DiMonte	7,617,057 B2	11/2009	May	
6,247,830 B1	6/2001	Winnett	D605,342 S	12/2009	Chung	
D445,943 S	7/2001	Littman	D608,490 S	1/2010	Chung	
6,257,735 B1	7/2001	Baar	7,641,367 B2	1/2010	Hargreaves	
6,267,483 B1	7/2001	Hembery	7,654,702 B1	2/2010	Ding	
D447,272 S *	8/2001	Smith ..... D26/118	D613,900 S	4/2010	Hargreaves	
6,279,012 B1	8/2001	Sexton	D614,801 S *	4/2010	Collins ..... D26/118	
6,299,327 B1	10/2001	Camarota	7,722,228 B2	5/2010	Broer	
D452,559 S	12/2001	Schonberger	D617,028 S	6/2010	Verfuert	
6,343,984 B1	2/2002	Langdon	D620,190 S	7/2010	Chung	
6,371,630 B1	4/2002	Unger	D621,993 S	8/2010	Jong	
D456,927 S	5/2002	Russello	7,771,086 B2	8/2010	Goverde	
D456,928 S	5/2002	Russello	D628,335 S	11/2010	Hyland	
D456,938 S *	5/2002	Wardenburg ..... D26/118	7,854,534 B2	12/2010	Liu	
D459,825 S	7/2002	Field	D632,419 S	2/2011	Ng	
6,488,387 B2	12/2002	Wardenburg	D633,247 S	2/2011	Kong	
D469,564 S	1/2003	Brok	D633,640 S	3/2011	Wauters	
6,527,422 B1	3/2003	Hutchison	D634,060 S *	3/2011	Wardenburg ..... D26/118	
6,548,948 B1	4/2003	Muessli	D634,240 S	3/2011	Junkeer	
6,595,662 B2	7/2003	Wardenburg	D634,468 S	3/2011	Hargreaves	
6,601,972 B2	8/2003	Sei	D634,469 S *	3/2011	Hargreaves ..... D26/118	
6,658,652 B1	12/2003	Alexander	D637,162 S	5/2011	Bridgman	
6,679,619 B2	1/2004	Saieva	D637,341 S	5/2011	Wardenburg	
D486,593 S	2/2004	Griffin	D637,752 S	5/2011	Mekhtarian	
6,688,759 B1	2/2004	Hadjimichael	D640,404 S	6/2011	Chipperfield	
6,709,131 B1	3/2004	Herst	7,959,331 B2	6/2011	Ho	
6,729,383 B1	5/2004	Cannell	D641,100 S	7/2011	Li	
6,783,263 B1	8/2004	Cronk	7,972,044 B2	7/2011	Burkhauser	
D496,121 S	9/2004	Santoro	D644,185 S	8/2011	Hargreaves	
D499,504 S	12/2004	Meyer	7,987,632 B2	8/2011	May	
D499,505 S	12/2004	Benensohn	8,018,630 B2	9/2011	Herloski	
D504,343 S	4/2005	Ek	8,038,318 B2	10/2011	Plunk	
6,885,134 B2	4/2005	Kurashima	D648,652 S	11/2011	Hawkins	
6,908,212 B2	6/2005	Schultz	D649,685 S	11/2011	Trzesniowski	
7,011,424 B1	3/2006	Poulson	D650,515 S	12/2011	Bradley	
7,083,309 B2	8/2006	Chan	D650,935 S	12/2011	Beghelli	
7,101,060 B2	9/2006	Oppenheimer	8,113,696 B2	2/2012	Striebel	
7,131,753 B1	11/2006	Edwards, Jr.	D655,403 S	3/2012	Zakula	
7,156,539 B2	1/2007	Cronk	D657,748 S	4/2012	Hargreaves	
7,175,309 B2	2/2007	Craw	D660,252 S	5/2012	Hargreaves	
D542,460 S	5/2007	Hargreaves	D661,833 S	6/2012	Imajo	
D543,652 S *	5/2007	Hargreaves ..... D26/118	8,209,912 B2	7/2012	Hargreaves	
D543,654 S	5/2007	Hargreaves	8,215,799 B2	7/2012	Vanden Eynden	
D543,655 S	5/2007	Hargreaves	D667,584 S	9/2012	Beghelli	
7,213,948 B2	5/2007	Hein	D668,370 S	10/2012	Guercio	
D544,136 S	6/2007	Hargreaves	D671,259 S	11/2012	Chen	
D544,138 S	6/2007	Hargreaves	D672,908 S	12/2012	Wilcox	
D544,139 S	6/2007	Hargreaves	D672,911 S	12/2012	Mayfield, III	
D544,626 S	6/2007	Hargreaves	D673,324 S	12/2012	Mayfield	
D544,980 S	6/2007	Hargreaves	8,334,640 B2	12/2012	Reed	
D544,981 S	6/2007	Hargreaves	D675,369 S *	1/2013	Michaud ..... D26/118	
D544,982 S	6/2007	Hargreaves	8,348,481 B2	1/2013	Chang	
D544,983 S	6/2007	Hargreaves	D675,772 S	2/2013	Tran	
D544,984 S	6/2007	Hargreaves	8,371,726 B2	2/2013	Collins	
D544,985 S	6/2007	Hargreaves	D678,597 S	3/2013	Lehman	
D544,987 S	6/2007	Hargreaves	D678,599 S	3/2013	Boyer	
D544,994 S	6/2007	Hargreaves	D679,848 S	4/2013	Pickard	
D544,995 S *	6/2007	Hargreaves ..... D26/118	D683,064 S	5/2013	Tuck	
D545,460 S	6/2007	Mason, II	8,505,224 B2	8/2013	Huang	
D545,484 S *	6/2007	Hargreaves ..... D26/118	D689,238 S	9/2013	Halsey	
D545,485 S *	6/2007	Hargreaves ..... D26/118	D689,986 S	9/2013	Lord	
D545,990 S	7/2007	Hargreaves	D690,875 S	10/2013	McKenzie	
D545,994 S	7/2007	Hargreaves	D693,959 S *	11/2013	Boyer ..... D26/118	
D545,996 S	7/2007	Hargreaves	D697,663 S	1/2014	Speier	
D549,869 S	8/2007	Ward	D698,074 S	1/2014	Hargreaves	
7,296,914 B1	11/2007	Russello	D698,075 S	1/2014	Klus	
7,360,927 B2	4/2008	Oka	D698,986 S *	2/2014	Reynolds ..... D26/118	
D569,024 S	5/2008	Redfern	D698,987 S	2/2014	Stanley	
D572,858 S	7/2008	Santoro	D699,386 S	2/2014	Park	
7,445,363 B2	11/2008	Vanden Eynden	D702,827 S	4/2014	Mase	
7,524,090 B2	4/2009	Hargreaves	8,702,283 B2	4/2014	Bradley, Jr.	
			D705,474 S	5/2014	Philips	
			D705,974 S	5/2014	Blessitt	
			8,723,086 B2	5/2014	McMahan	
			D707,385 S	6/2014	Wardenburg	

(56)

References Cited

U.S. PATENT DOCUMENTS

D708,390 S	7/2014	Roos		9,366,947 B2	6/2016	Miyata
D710,528 S	8/2014	Wardenburg		D762,320 S	7/2016	Reynolds
8,801,235 B2	8/2014	Yurich		D765,306 S	8/2016	Wardenburg
D713,953 S	9/2014	Jepson		D766,756 S	9/2016	Franc
D714,988 S	10/2014	Park		D769,513 S	10/2016	Reynolds
D715,994 S	10/2014	Klus		D769,514 S	10/2016	Reynolds
D716,995 S	11/2014	Zhu		D770,079 S	10/2016	Stanley
D717,487 S	11/2014	Guzzini		D770,082 S	10/2016	Reynolds
D717,636 S	11/2014	Stanley		D770,670 S	11/2016	Reynolds
D720,488 S	12/2014	Toyohisa		D770,671 S	11/2016	Reynolds
D720,505 S	12/2014	Kersten		D771,301 S	11/2016	Stanley
8,905,575 B2 *	12/2014	Durkee	F21V 7/0008 362/218	D771,304 S	11/2016	Goltche
				D773,107 S	11/2016	Stanley
D720,876 S	1/2015	Haverfield		D775,406 S	12/2016	Hargreaves
D721,844 S	1/2015	Lay		D775,760 S	1/2017	Reynolds
D722,654 S	2/2015	Martone		D780,985 S	3/2017	Stanley
D725,819 S	3/2015	Reynolds		D780,986 S	3/2017	Reynolds
D725,820 S	3/2015	Hargreaves		D781,492 S	3/2017	Reynolds
8,967,821 B2	3/2015	Pickard		D783,887 S	4/2017	Stanley
D726,359 S	4/2015	Grigore		D786,488 S	5/2017	Reynolds
8,998,473 B1	4/2015	Anderson		D786,489 S	5/2017	Stanley
9,016,892 B1	4/2015	Scribante		D786,490 S	5/2017	Stanley
9,016,907 B2	4/2015	Stanley		2002/0073285 A1	6/2002	Butterworth
D728,848 S	5/2015	Reyes		2002/0141195 A1	10/2002	Peter
D729,435 S	5/2015	Arndt		2003/0031011 A1	2/2003	Miller
D730,556 S	5/2015	Toyohisa		2003/0191783 A1	10/2003	Wolczko
D731,103 S	6/2015	Wilke		2004/0240214 A1	12/2004	Whitlow
D731,109 S	6/2015	Wardenburg		2005/0117333 A1	6/2005	Yoshida
D731,701 S *	6/2015	Hargreaves	D26/118	2005/0160481 A1	7/2005	Todd
D732,233 S	6/2015	Reynolds		2005/0233691 A1	10/2005	Horton
D732,234 S	6/2015	Rashidi Doust		2006/0231081 A1	10/2006	Kirakosyan
D732,235 S *	6/2015	Reynolds	D26/118	2006/0232984 A1	10/2006	Schuknecht
D732,236 S *	6/2015	Reynolds	D26/118	2006/0282457 A1	12/2006	Williams
D733,347 S	6/2015	Dungan		2007/0051321 A1	3/2007	Chang
D733,952 S	7/2015	Lay		2007/0070633 A1	3/2007	Eynden
D733,960 S	7/2015	Howe		2007/0228993 A1	10/2007	Stuer
D734,534 S	7/2015	Howe		2007/0246631 A1	10/2007	Brown
D735,391 S	7/2015	Blessitt		2007/0282806 A1	12/2007	Hoffman
D735,401 S	7/2015	Clements		2008/0059799 A1	3/2008	Scarlata
D736,450 S *	8/2015	Reynolds	D26/118	2008/0117617 A1	5/2008	Hargreaves
D737,498 S	8/2015	Stanley		2008/0130304 A1	6/2008	Rash
9,110,209 B2	8/2015	Blessitt		2008/0205030 A1	8/2008	Hargreaves
D738,031 S	9/2015	Martins		2008/0205071 A1	8/2008	Townsley
D739,595 S	9/2015	Reynolds		2008/0212326 A1	9/2008	Chon
9,127,826 B2	9/2015	Boyer		2008/0278950 A1	11/2008	Pickard
D740,486 S *	10/2015	Stanley	D26/118	2008/0278957 A1	11/2008	Pickard
D740,996 S	10/2015	Tragatschnig		2009/0116250 A1	5/2009	Hargreaves
D745,993 S	12/2015	Reynolds		2009/0231840 A1	9/2009	Boehme
D747,029 S *	1/2016	Reynolds	D26/118	2009/0262540 A1	10/2009	Hargreaves
D747,538 S	1/2016	Hargreaves		2009/0276478 A1	11/2009	Soman
D747,825 S	1/2016	Reynolds		2009/0310373 A1	12/2009	Burkhauser
D747,923 S	1/2016	Cornu		2009/0316404 A1	12/2009	Mo
D748,319 S	1/2016	Johnson		2009/0323335 A1	12/2009	Yang
D748,320 S	1/2016	Johnson		2010/0214789 A1	8/2010	Hawkes
D748,847 S	2/2016	Johnson		2010/0238661 A1	9/2010	Pfund
D748,849 S *	2/2016	Stanley	D26/118	2010/0277908 A1	11/2010	Hu
D748,850 S	2/2016	Johnson		2010/0277929 A1	11/2010	Hargreaves
D749,773 S	2/2016	Waible		2010/0295468 A1	11/2010	Pedersen
D750,312 S	2/2016	Reynolds		2010/0302768 A1	12/2010	Collins
D750,313 S	2/2016	Reynolds		2011/0169412 A1	7/2011	Yurich
D750,316 S *	2/2016	Reynolds	D26/118	2011/0203096 A1	8/2011	Hargreaves
9,255,690 B2	2/2016	Dimitriadis		2011/0259665 A1	10/2011	Morgan
D750,831 S	3/2016	Clements		2012/0051041 A1	3/2012	Edmond
D751,244 S *	3/2016	Reynolds	D26/118	2012/0092859 A1	4/2012	Gregoris
D751,245 S	3/2016	Stanley		2012/0145699 A1	6/2012	McMahan
D751,247 S *	3/2016	Reynolds	D26/118	2012/0212883 A1	8/2012	Hargreaves
D753,654 S	4/2016	Eastwood		2012/0230035 A1	9/2012	Bradley, Jr.
9,310,037 B2	4/2016	Cercone		2013/0077329 A1	3/2013	Hessling
D756,016 S	5/2016	Hargreaves		2013/0083539 A1	4/2013	Dimitriadis
D756,023 S	5/2016	Hoffer		2013/0155685 A1	6/2013	Stanley
D756,026 S	5/2016	Reynolds		2013/0242573 A1	9/2013	Petrsoiki
D757,323 S	5/2016	Reynolds		2013/0250567 A1	9/2013	Edmond
D757,326 S	5/2016	Reynolds		2014/0378283 A1	12/2014	Qiu
D757,346 S	5/2016	Stanley		2015/0023022 A1	1/2015	Stanley
9,335,038 B2	5/2016	Stanley		2015/0098215 A1	4/2015	Torabifard
				2015/0252992 A1	9/2015	Stanley
				2015/0252993 A1	9/2015	Stanley

(56)

**References Cited**

## U.S. PATENT DOCUMENTS

2015/0252994 A1 9/2015 Stanley  
2015/0260381 A1 9/2015 Verfuert

## FOREIGN PATENT DOCUMENTS

EP	0325003	7/1989
EP	0440274	8/1991
WO	02063210	8/2002
WO	03060379	7/2003
WO	2008018000	2/2008
WO	2009096775	8/2009
WO	2011119451	9/2011

## 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](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](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/i/136580](http://www.hydroponics.net/i/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](http://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 Jun. 25, 2014. [Http://besthomedecorfurniture.com/gardening-decor/grow-lights-home-depot-few-things-to-consider-when-buying-grow-lighting-plants-online.html](http://besthomedecorfurniture.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-8oy0qbgrrs](http://www.youtube.com/watch?v=f-8oy0qbgrrs).

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 Jun. 25, 2014. [http://hydrobuilder.com/solarstorm-440w-led-grow-light-with-uvb.html?dzid=strands\\_CLW-SS-440](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](http://issuu.com/sunlightsupply/docs/2013_sunlightproductcatalog/49).

Pages 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](http://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](http://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](http://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, dated Jan. 19, 2016.

A3V Reflector, Titaness Light Shop, [www.titanesslightshop.com/products-page/reflectors/a3v-reflector](http://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](http://www.titanesslightshop.com/products-page/reflectors/g2v-grow-light-reflector), online. Site visited Jan. 14, 2015.

1000 Wall Galaxy Grow Amp Double Ended Grow Light Packages, image post date Jan 30, 2014, site visited Jul. 8, 2016, <<http://www.ehydroponics.com/100-watt-galaxy-grow-amp-double-ended-grow-light-package.html>>.

2009-10-watt-light-set—TinEye, image post date May 23, 2012, site visited Jul. 8, 2016, <<https://www.tineye.com/search/2de39cf5117a031139a80ce555e2f30d0abd5216/>>.

Square 10 Watt LED Grow Light, image post date Aug. 1, 2011, site visited Jul. 8, 2016, <<http://www.dhgate.com/store/product/hydroponic-vegetable-10-watt-led-grow-light/216755031.html>>.

Sun System 630 Ceramic Metal Halide 120v Specifications, GrowersHouse.com, update on Sep. 9, 2014, Online. Site visited Feb. 3, 2015. <[http://growershouse.com/aitdownloadablefiles/download/aitfile/aitfile\\_id/583/](http://growershouse.com/aitdownloadablefiles/download/aitfile/aitfile_id/583/)>.

Growlite HDE 600W-1000W Double Ended Lamp Concealed Vacuum Airflow Technology, Indoor Grow Science, site visited Aug. 3, 2016, <<http://www.indoorgrowscience.net/downloads/specs/hde.pdf>>.

Sun Systems LEC 315—Reviews?, rollitup.com forum, published Oct. 23, 2013, online. Visited Nov. 8, 2016. <<http://rollitup.org/t/sun-systems-lec-315-reviews.742794>>.

Sun System LEC 315 120v Light Emitting Ceramic Metal Halide Fixture w/ Free Ratchet Light Hangers, Amazon.com, earliest review of Jul. 2, 2014, online. Visited Nov. 8, 2016 <<https://www.amazon.com/sun-system-emitting-ceramic-fixture/dp/B00HBCV8TM>>.

LEC 315 Watt Grow Light Great Yield Reports!, YouTube.com, published Mar. 31, 2014, online. Visited Nov. 8, 2016. <<https://www.youtube.com/watch?v=QqcoW19KnUk>>.

Air Cooled Grow Lights, greensteamhydroponics.com, published May 24, 2014, online. Site visited Nov. 16, 2016. <[http://web.archive.org/web/20140524103407/http://www.greensteamhydroponics.com/aircooled-reflector-range-from-greensteam-hydroponics/prod\\_699.html](http://web.archive.org/web/20140524103407/http://www.greensteamhydroponics.com/aircooled-reflector-range-from-greensteam-hydroponics/prod_699.html)>.

\* cited by examiner

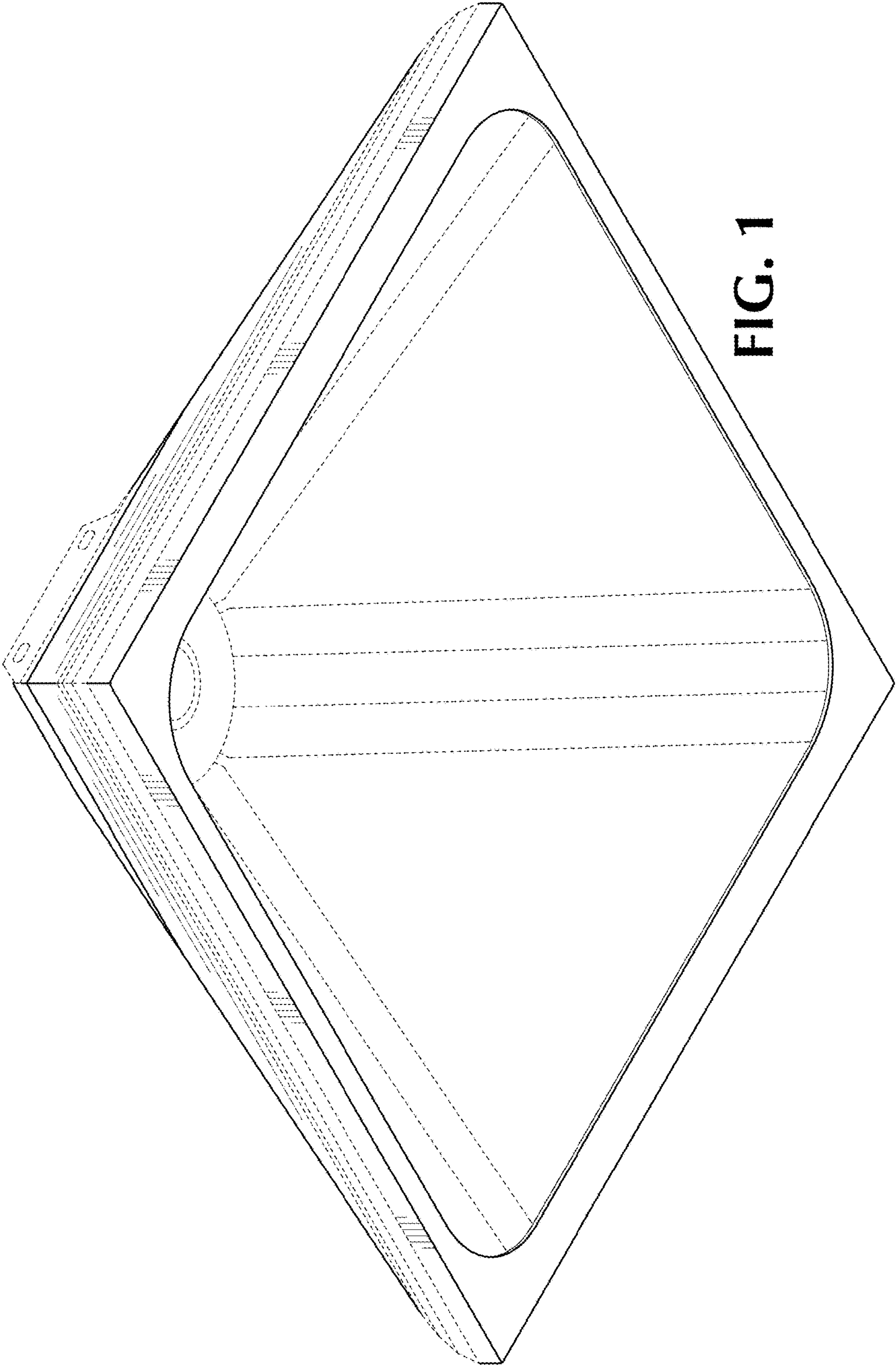


FIG. 1

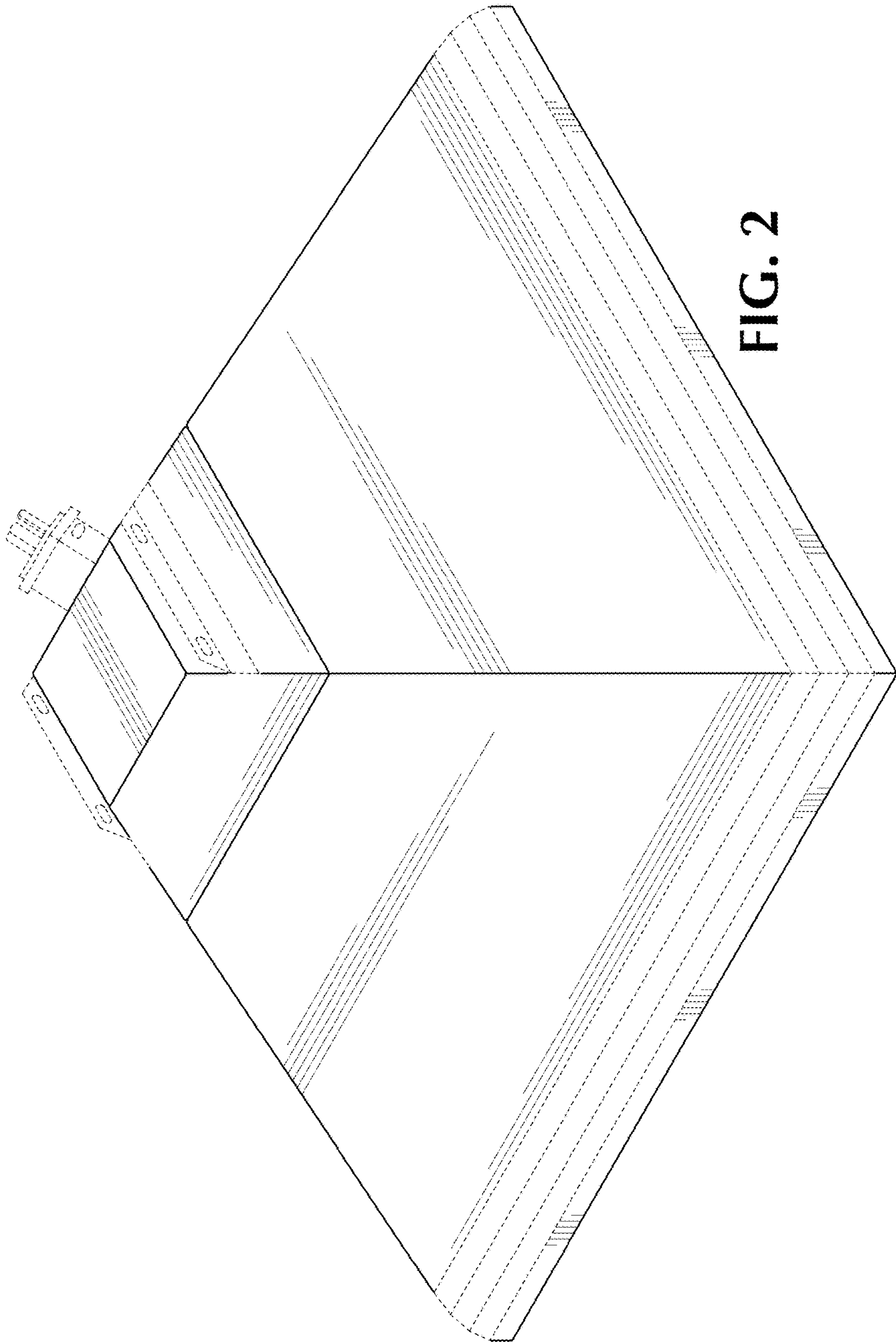
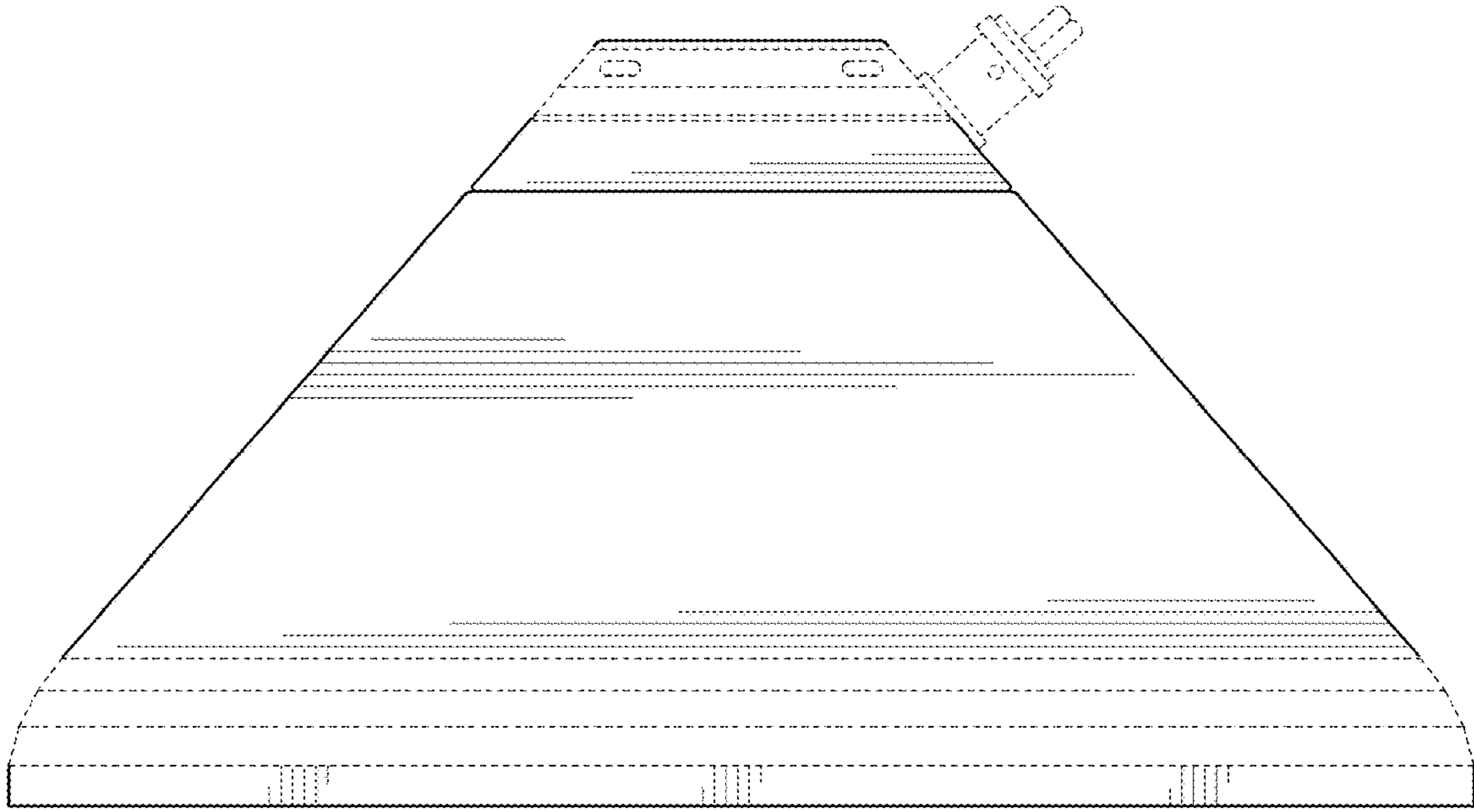
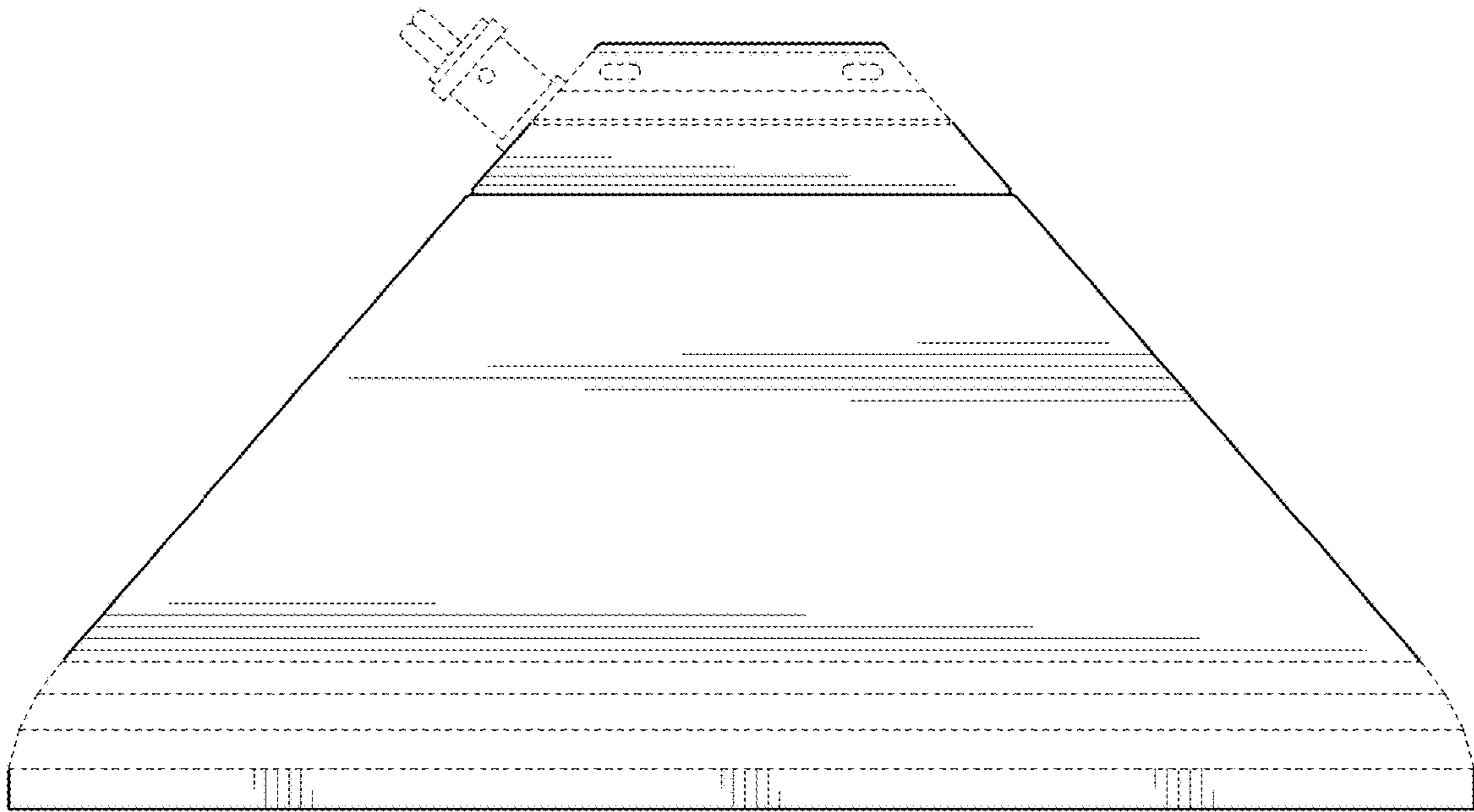


FIG. 2

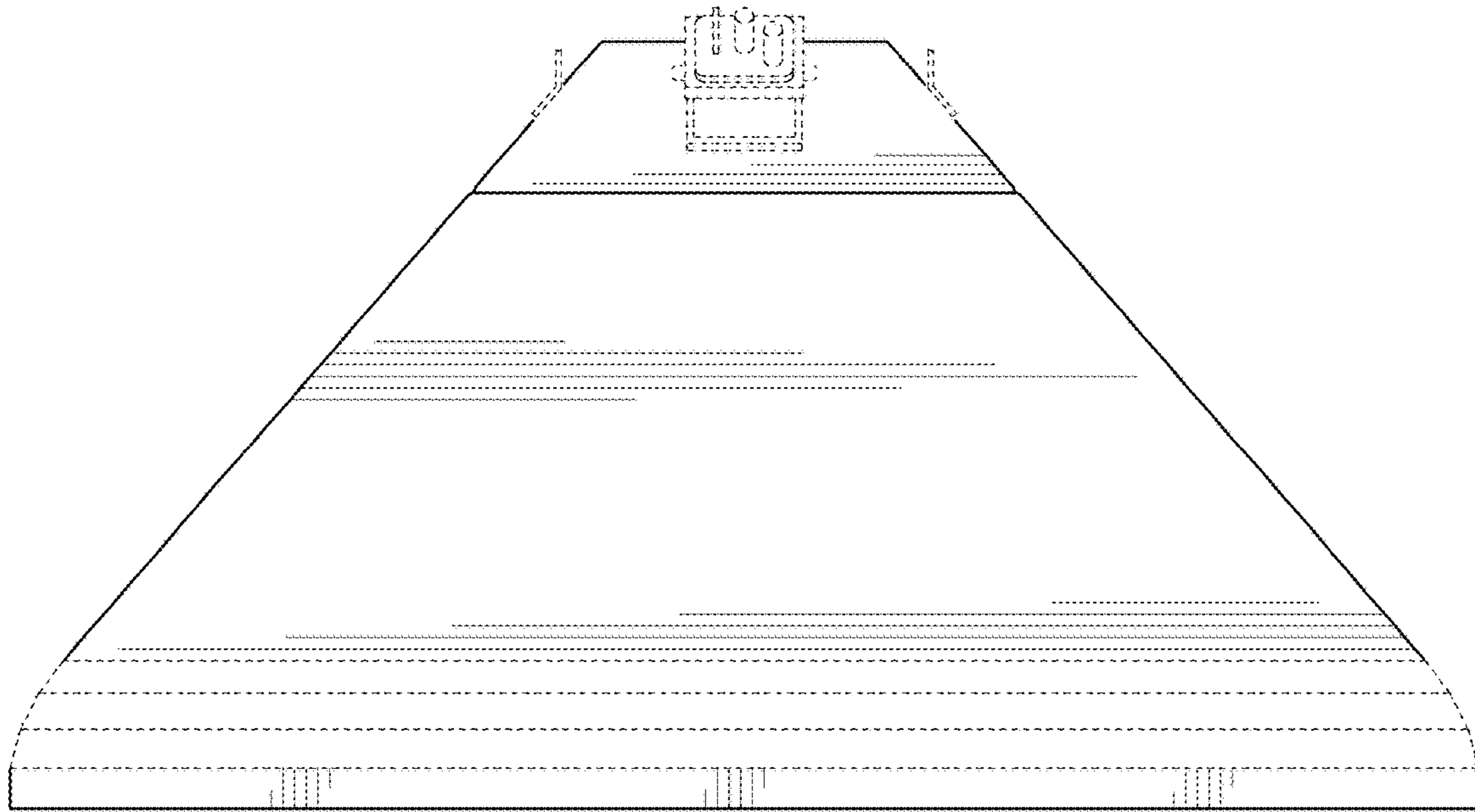


**FIG. 3**

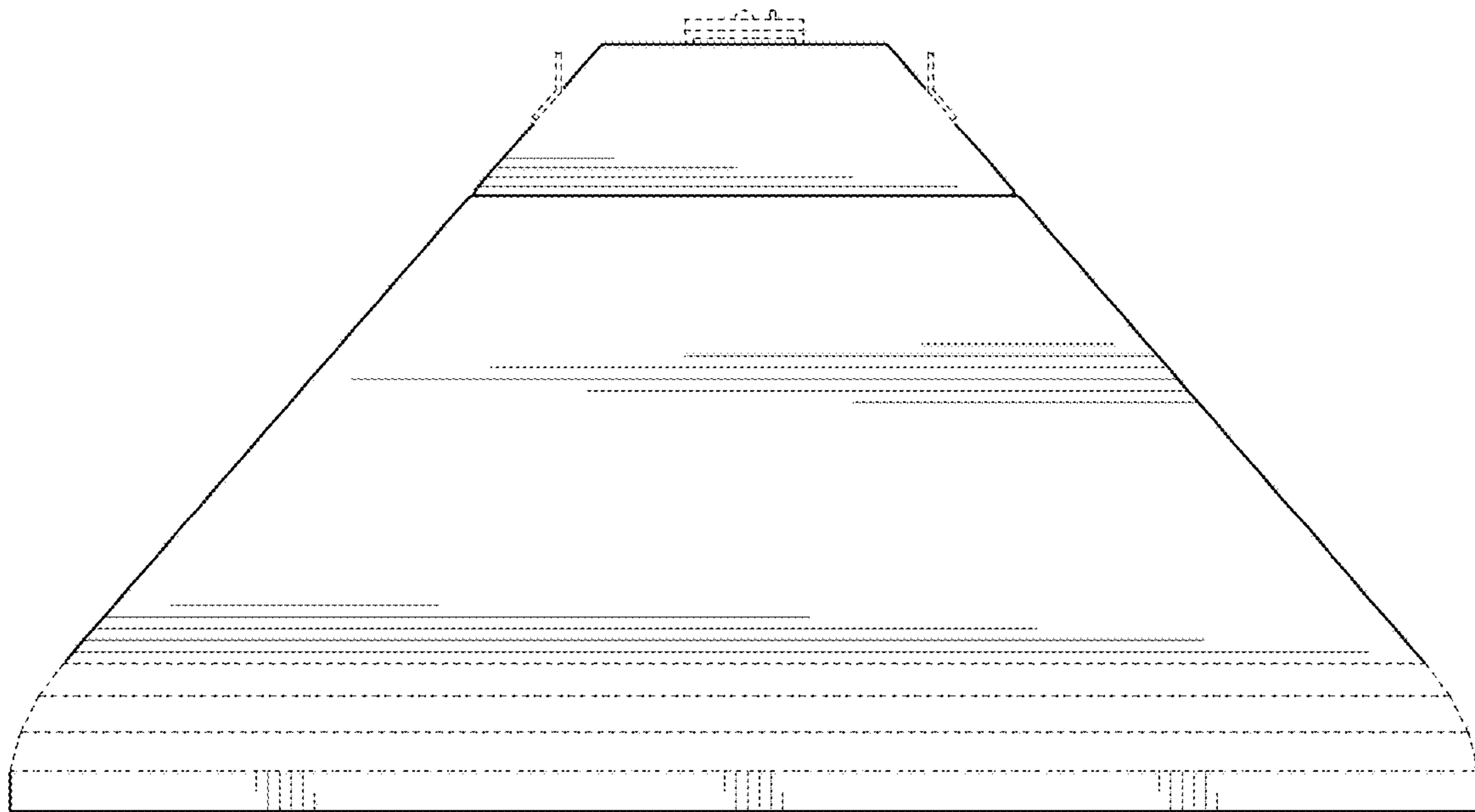


**FIG. 4**





**FIG. 5**



**FIG. 6**

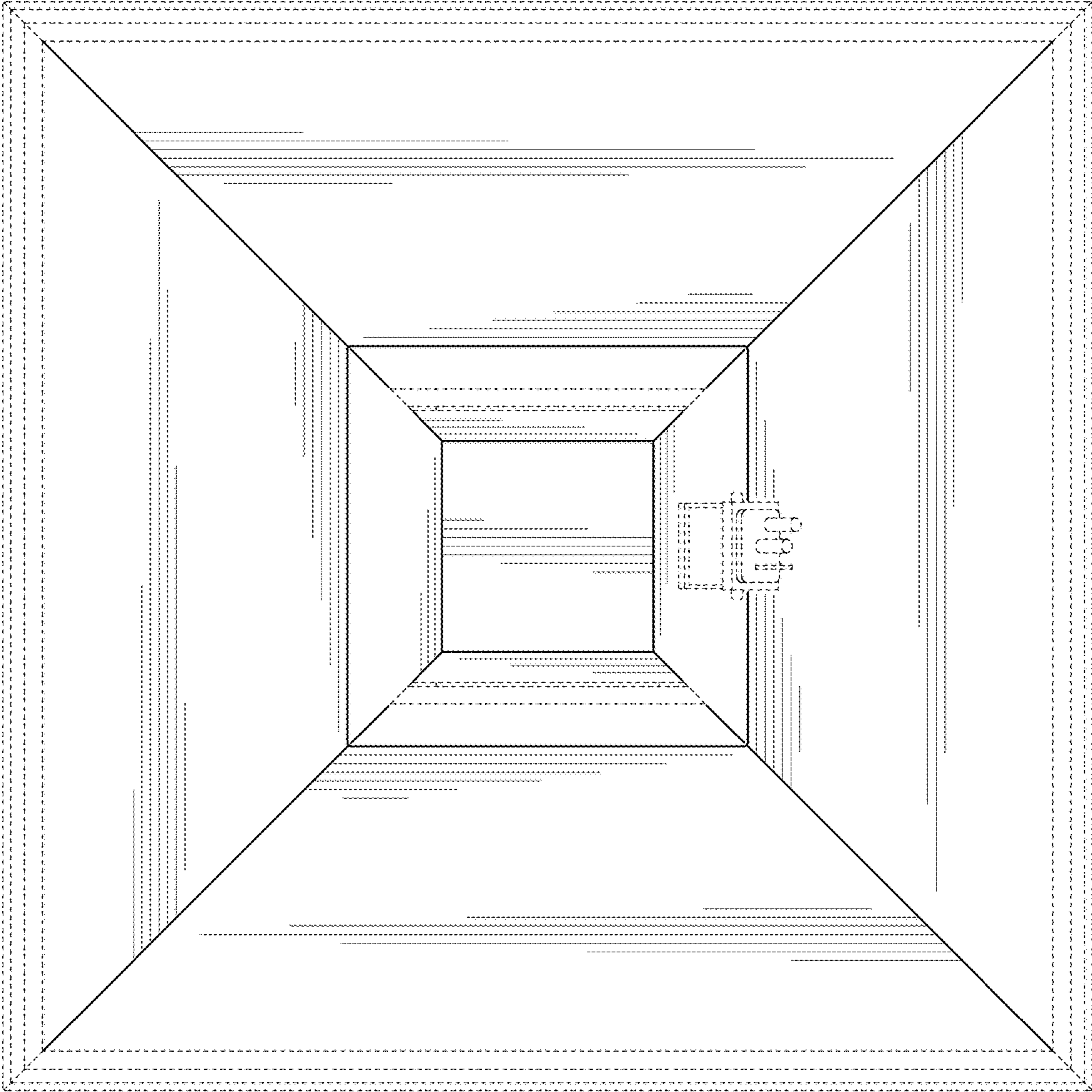
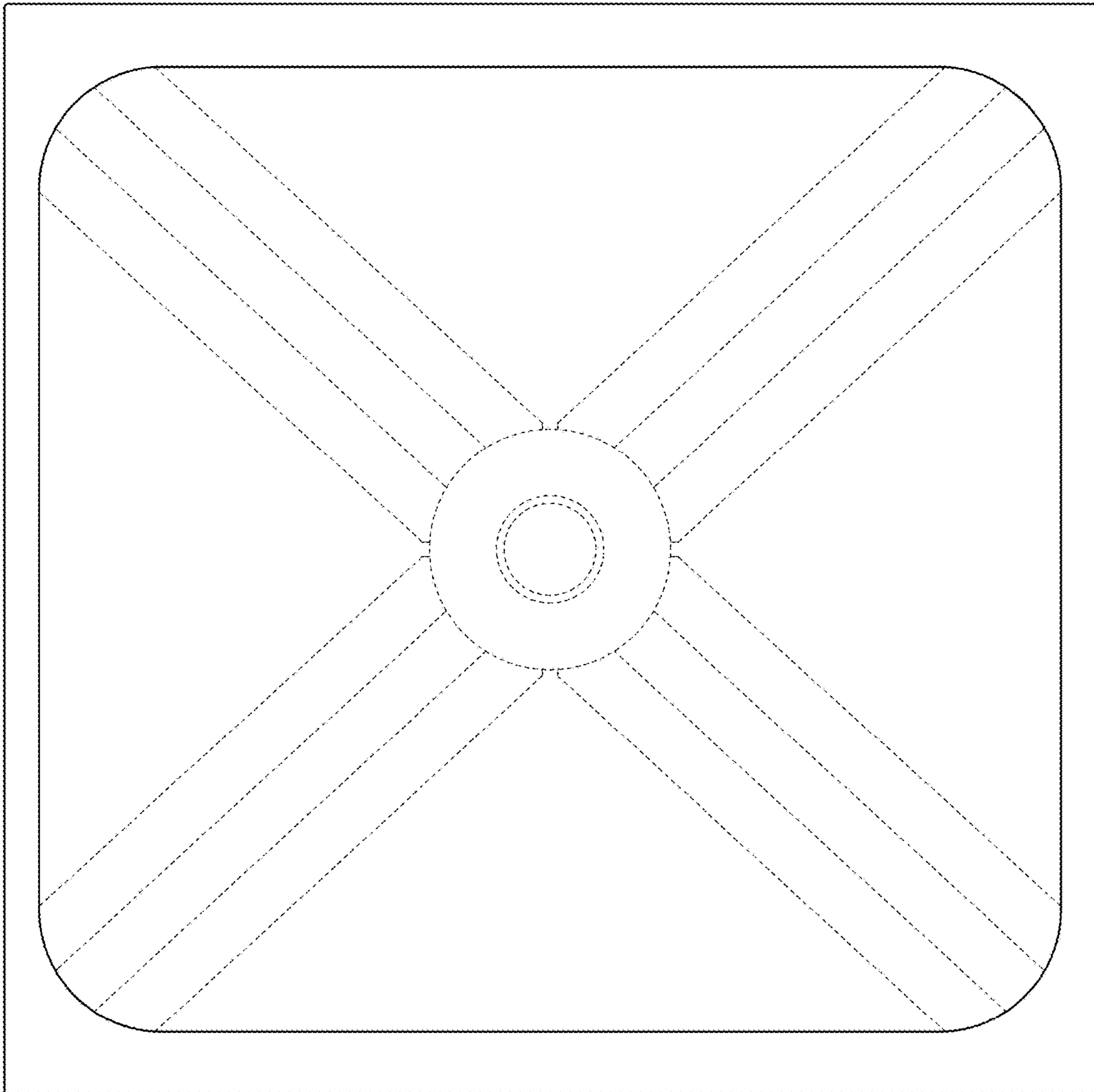


FIG. 7



**FIG. 8**