



US00D842450S

(12) **United States Design Patent** (10) **Patent No.:** **US D842,450 S**  
**Rivera** (45) **Date of Patent:** **\*\* Mar. 5, 2019**

(54) **FIRE BURNER**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **TROPITONE FURNITURE CO., INC.**, Irvine, CA (US)

KR 2002-0030653 4/2002

(72) Inventor: **Richard Rivera**, Corona, CA (US)

OTHER PUBLICATIONS

(73) Assignee: **TROPITONE FURNITURE CO., INC.**, Irvine, CA (US)

Pic-187705448-stock-photo-natural-gas from TinEye, image post date Apr. 21, 2014, site visited Jul. 23, 2018, (online), <https://www.tineye.com/search/9a8c609ca646a8e0fa372d2623b1602c861e0176/?extension\_ver=>.\*

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

(Continued)

(21) Appl. No.: **29/609,746**

(22) Filed: **Jul. 5, 2017**

*Primary Examiner* — Kevin K Rudzinski  
(74) *Attorney, Agent, or Firm* — Knobbe, Martens, Olson & Bear, LLP

**Related U.S. Application Data**

(62) Division of application No. 29/529,245, filed on Jun. 4, 2015, now Pat. No. Des. 791,930.

(51) **LOC (11) Cl.** ..... **23-03**

(52) **U.S. Cl.**  
USPC ..... **D23/415**

(58) **Field of Classification Search**  
USPC ..... D23/402, 403, 407, 409, 410, 415  
CPC ..... A47J 37/0786; A47J 37/108; A47J 36/34; F21K 9/23; F21S 10/04; F21S 10/046; F21V 17/02; F21V 17/06; F21V 17/10; F23D 14/06; F23D 14/065; F23D 14/26; F23D 14/58; F23D 14/586; F23D 14/60; F23D 14/74; F23R 3/14; F23R 3/28; F24B 1/181; F24B 1/189; F24B 1/193; F24B 1/195; F24B 15/002; F24C 3/006; F24C 3/008; F24C 3/085; F24C 7/004; F24C 15/005; F24C 15/101; F24C 15/107; G01F

(Continued)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

751,350 A 2/1904 Schutz  
836,145 A 11/1906 Schutz

(Continued)

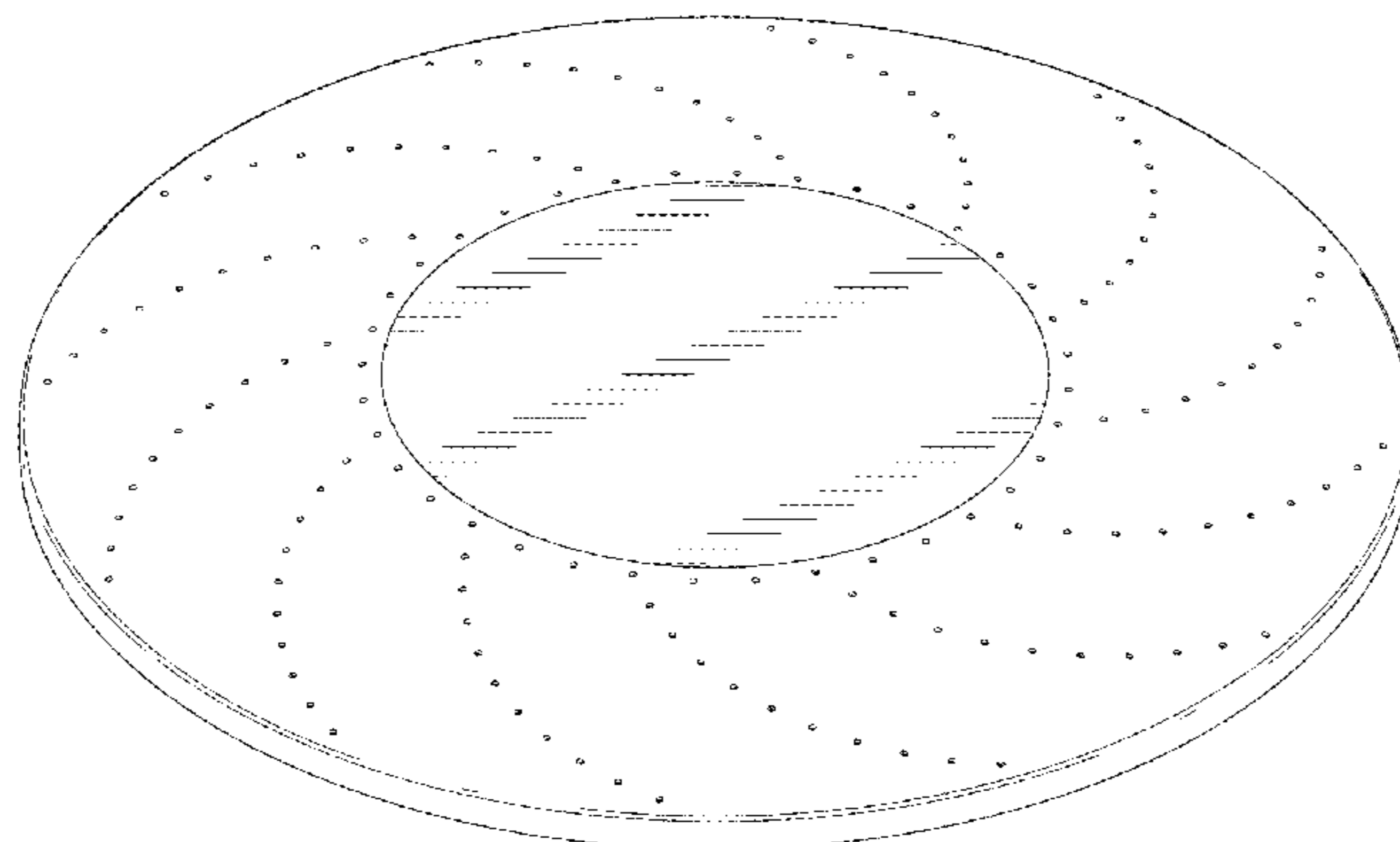
(57) **CLAIM**

The ornamental design for a fire burner, as shown and described.

**DESCRIPTION**

FIG. 1 is a top isometric view of an embodiment of the design for the fire burner;  
FIG. 2 is a bottom isometric view thereof;  
FIG. 3 is an exploded top isometric view thereof;  
FIG. 4 is an exploded bottom isometric view thereof;  
FIG. 5 is an exploded side view thereof;  
FIG. 6 is a top view thereof;  
FIG. 7 is a bottom view thereof;  
FIG. 8 is a front side view thereof;  
FIG. 9 is a back side view thereof;  
FIG. 10 is a left side view thereof;  
FIG. 11 is a right side view thereof; and,  
FIG. 12 is an enlarged detail view of a portion of FIG. 7. The portions of the fire burner shown in broken lines are for illustrative purposes only and form no part of the claimed design. The dash-dot broken lines define the area corresponding to the enlarged portion of the article of manufacture indicated on FIG. 7 and shown in FIG. 12 and said dash-dot broken lines form no part of the claimed design.

**1 Claim, 8 Drawing Sheets**



**US D842,450 S**

(58) **Field of Classification Search**  
 CPC ..... 11/18; G07F 11/18; G07F 13/02; G07F  
 17/00; G09F 19/00; H01K 7/06; H05B  
 37/02  
 See application file for complete search history.

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

1,087,768 A	2/1914	Hoffman	3,858,529 A	1/1975	Salladay
1,367,333 A	2/1921	Truesdell	3,987,719 A	10/1976	Kian
1,367,581 A	2/1921	Bassford	3,994,671 A	11/1976	Straitz, III
1,445,208 A	2/1923	Forward	4,014,639 A	3/1977	Froehlich
1,471,039 A	10/1923	Lee	4,021,186 A	5/1977	Tenner
1,569,967 A	1/1926	Danielsen	D246,627 S	12/1977	Sugiyama
1,613,534 A	1/1927	Norman	4,128,389 A	12/1978	Straitz, III
1,618,808 A	2/1927	Burg	D251,107 S	2/1979	Ottier
1,808,120 A	6/1931	Runkwitz	4,157,889 A	6/1979	Bonnel
1,808,550 A	6/1931	Harpman	4,157,890 A	6/1979	Reed
1,814,998 A	7/1931	Yocum	4,159,000 A	6/1979	Iwasaki et al.
1,917,275 A	7/1933	Rossman et al.	4,175,920 A	11/1979	Guerre et al.
1,961,643 A	6/1934	Roth	4,191,437 A	3/1980	Funke
2,020,349 A	11/1935	Bennett et al.	4,192,465 A	3/1980	Hughes
2,145,263 A	1/1937	Huntzinger et al.	4,198,561 A	4/1980	Fujioka
2,085,220 A	6/1937	Howlett	4,300,444 A	11/1981	Muse
2,118,988 A	5/1938	Sorenson	4,391,208 A	7/1983	Lewis
2,136,100 A	11/1938	Crossman	4,432,334 A	2/1984	Holt
2,136,708 A	11/1938	Patrick	4,433,885 A	2/1984	Baker
2,143,259 A	1/1939	Clarkson	4,436,023 A	3/1984	Takahashi
2,164,225 A	6/1939	Walker	4,454,839 A	6/1984	Gater et al.
2,198,647 A	4/1940	Wolcott	4,455,840 A	6/1984	Matt et al.
2,220,532 A	11/1940	Lombardi	4,531,505 A	7/1985	Hait et al.
2,227,608 A	1/1941	Tinnerman	4,546,923 A	10/1985	Li
2,422,918 A	6/1947	Mills	4,561,874 A	12/1985	Colacello et al.
2,464,791 A	3/1949	Bonvillian et al.	D282,139 S	1/1986	Radford
2,465,712 A	3/1949	Clarkson	4,583,941 A	4/1986	Elperin et al.
2,477,721 A	8/1949	Chesser et al.	D286,002 S	10/1986	Brix
2,502,664 A	4/1950	Nest	4,616,626 A	10/1986	Kwan
2,515,845 A	7/1950	Van Den Bussche	4,635,567 A	1/1987	Haftke et al.
2,526,437 A	10/1950	Themascus, Sr.	4,635,614 A	1/1987	Segroves
2,546,402 A	3/1951	Ofeldt	4,672,900 A	6/1987	Santalla et al.
2,561,200 A	7/1951	Hess	4,687,167 A	8/1987	Skalka et al.
2,565,039 A	8/1951	Mueller	4,704,955 A	11/1987	Archibald
2,652,890 A	9/1953	Morck, Jr. et al.	4,859,173 A	8/1989	Davis, Jr. et al.
2,787,318 A	4/1957	Wolfersperger	4,909,235 A	3/1990	Boetcker
2,883,797 A	4/1959	Eldred	4,976,252 A	12/1990	Cianciola
2,897,330 A	7/1959	Hopkins	5,009,151 A	4/1991	Hungerford
2,932,528 A	4/1960	Miller et al.	5,009,174 A	4/1991	Polak
3,019,721 A	2/1962	Haapala	5,055,031 A	10/1991	Werner
3,079,855 A	3/1963	Valis	D321,810 S	11/1991	Schultz
3,185,202 A	5/1965	Mitchell et al.	5,165,328 A	11/1992	Erickson et al.
3,212,426 A	10/1965	Lewus	5,195,424 A	3/1993	Guajaca
3,226,038 A	12/1965	Brady et al.	D336,009 S	6/1993	Tringali et al.
3,254,695 A	6/1966	Brödlin	D339,266 S	9/1993	Lockett
3,301,172 A	1/1967	Haro	5,261,336 A	11/1993	Williams
3,315,655 A	4/1967	Stone et al.	5,307,621 A	5/1994	Glassman et al.
3,323,508 A	6/1967	Holman	5,311,673 A	5/1994	Su
3,333,526 A	8/1967	Kirkpatrick	5,312,003 A	5/1994	Domenig
3,347,404 A	10/1967	McIntyre	5,323,693 A	6/1994	Collard et al.
3,414,709 A	12/1968	Tricault	5,349,898 A	9/1994	Cheung
3,465,894 A	9/1969	Setecka	5,349,899 A	9/1994	Tominaga et al.
3,478,890 A	11/1969	Allsop	5,357,871 A	10/1994	Bowman
3,516,573 A	6/1970	Mizuk	5,359,988 A	11/1994	Hait
3,536,018 A	10/1970	Phelps	5,413,087 A	5/1995	Jean
3,556,701 A	1/1971	Momododa et al.	D359,652 S	6/1995	Mendelson et al.
3,628,472 A	12/1971	Lausmann	5,421,271 A	6/1995	Sui
3,636,299 A	1/1972	Stewart, Jr.	D361,467 S	8/1995	Kabayama
3,666,183 A	5/1972	Smith	5,437,108 A	8/1995	Alseth
3,746,499 A	7/1973	Guerre et al.	5,465,651 A	11/1995	Erickson et al.
3,749,548 A	7/1973	Zink	D364,777 S	12/1995	Schlösser et al.
3,759,668 A	9/1973	Yamada et al.	D364,993 S *	12/1995	Andrea ..... D7/407
D229,277 S	11/1973	Chan	5,513,558 A	5/1996	Erickson et al.
D229,656 S	12/1973	Garcia	5,525,054 A	6/1996	Nakaura et al.
3,794,952 A	2/1974	Dowis	D371,719 S	7/1996	Perry
3,809,051 A	5/1974	Giroux	5,552,577 A	9/1996	Su
3,847,068 A	11/1974	Beer et al.	5,558,008 A	9/1996	Jenkins
3,850,087 A	11/1974	Landblom et al.	5,566,625 A	10/1996	Young
			5,577,823 A	11/1996	Maglinger
			D382,765 S	8/1997	Kellermann
			D383,355 S	9/1997	Uter
			5,682,811 A	11/1997	Kidushim
			D387,240 S	12/1997	Simmonds et al.
			5,699,722 A	12/1997	Erickson et al.
			5,720,272 A	2/1998	Chiang
			5,755,567 A	5/1998	Licht et al.
			5,816,169 A	10/1998	MacKenzie
			5,819,718 A	10/1998	Leiser
			5,911,812 A	6/1999	Stanek et al.

# US D842,450 S

(56)

## References Cited

### U.S. PATENT DOCUMENTS

5,921,229	A	7/1999	Blake		D623,014	S	9/2010	Alden et al.	
5,950,526	A	9/1999	Hsu		D625,558	S *	10/2010	Griffith .....	D7/407
5,964,212	A	10/1999	Thompson		D627,194	S	11/2010	Marin	
5,970,858	A	10/1999	Boehm et al.		D627,195	S	11/2010	Marin	
5,983,496	A	11/1999	Hermanson		7,841,333	B2 *	11/2010	Kobayashi .....	A47J 36/34 126/214 D
5,984,662	A	11/1999	Barudi et al.		D628,854	S	12/2010	Brattoli et al.	
6,023,051	A	2/2000	Fellows		7,845,344	B2	12/2010	Sorenson et al.	
6,036,478	A	3/2000	Inada		D636,216	S	4/2011	Marsh	
6,041,696	A	3/2000	Su		7,934,494	B1	5/2011	Schneider	
6,065,466	A	5/2000	Baykal		D642,675	S *	8/2011	Scribano .....	D23/415
D428,305	S	7/2000	Berkes		8,015,821	B2 *	9/2011	Spytek .....	F02C 3/14 60/39.17
6,082,249	A	7/2000	Su		8,020,546	B1	9/2011	Bourgeois et al.	
6,092,518	A *	7/2000	Dane .....	F23D 14/06 126/214 D	8,037,689	B2 *	10/2011	Oskin .....	F23R 3/28 60/737
6,105,487	A	8/2000	Nash et al.		8,061,348	B1	11/2011	Rodriguez	
D431,411	S	10/2000	Chang		D650,225	S	12/2011	Bartol et al.	
6,168,422	B1	1/2001	Motyka et al.		D650,524	S	12/2011	Wilson et al.	
6,192,669	B1 *	2/2001	Keller .....	F23R 3/425 60/804	D655,805	S	3/2012	Jonovic et al.	
6,201,217	B1	3/2001	Moon et al.		8,128,399	B1	3/2012	Gibson et al.	
D440,112	S	4/2001	Su		D657,442	S	4/2012	Siemieńczuk	
D442,020	S	5/2001	Pierick		8,166,870	B2	5/2012	Badin	
D442,822	S	5/2001	Lin		8,166,893	B2	5/2012	Davis	
6,253,976	B1	7/2001	Coleman et al.		8,181,640	B2	5/2012	Park	
6,254,489	B1	7/2001	Drobnis et al.		D661,542	S	6/2012	Lee	
6,269,755	B1	8/2001	Boswell et al.		8,197,250	B2	6/2012	Morgan et al.	
6,289,795	B1	9/2001	McLemore et al.		8,220,449	B2	7/2012	Rheault	
D448,604	S	10/2001	Cho		D665,491	S	8/2012	Goel et al.	
D449,490	S	10/2001	Frederick		8,261,731	B2	9/2012	Marsh	
6,314,955	B1	11/2001	Boetcker		8,267,257	B2	9/2012	Doyal	
6,354,194	B1	3/2002	Hedrington et al.		D669,730	S	10/2012	Mandil	
6,363,842	B1	4/2002	Lin		8,291,896	B1	10/2012	Gonnella et al.	
6,363,868	B1	4/2002	Boswell et al.		D671,364	S	11/2012	Parel et al.	
6,386,192	B1	5/2002	Weber		8,327,837	B2	12/2012	Nam	
6,389,961	B1	5/2002	Wu		8,330,083	B2	12/2012	Moon et al.	
6,422,231	B1	7/2002	Hamilton et al.		D678,712	S	3/2013	Mehler	
6,457,601	B1	10/2002	Chappell		8,393,317	B2 *	3/2013	Sorenson .....	A47J 37/0786 126/246
6,484,502	B1	11/2002	Kikuchi		D679,943	S	4/2013	Zhou	
6,494,710	B2	12/2002	Kim et al.		8,424,450	B2	4/2013	Jeon et al.	
6,546,845	B1	4/2003	Lanzilli		8,430,088	B1	4/2013	Gallaher	
D475,571	S	6/2003	Hopkins		D684,423	S	6/2013	Dobert et al.	
D476,407	S	6/2003	Snyder		D684,808	S	6/2013	Mehler	
6,591,828	B1	7/2003	Schneider		8,469,018	B1	6/2013	West	
6,598,598	B1	7/2003	Bratsikas		D686,175	S	7/2013	Gurary et al.	
6,681,757	B1	1/2004	Rivero		D686,582	S	7/2013	Krishnan et al.	
6,701,912	B1	3/2004	Siegel et al.		D688,087	S	8/2013	Lee	
6,708,604	B1	3/2004	Deichler, Jr.		8,535,052	B2	9/2013	Cadima	
D491,013	S	6/2004	Yang		D690,671	S	10/2013	Gurary et al.	
6,769,906	B1	8/2004	Grove et al.		D693,175	S *	11/2013	Saubert .....	F24C 3/085 D7/407
6,782,801	B1	8/2004	Correa et al.		D695,059	S	12/2013	Mehler et al.	
6,841,759	B2	1/2005	Elwedini		D695,242	S	12/2013	Gurary et al.	
6,929,001	B2	8/2005	Yoon		D699,514	S *	2/2014	Lovley, II .....	D7/359
6,936,795	B1	8/2005	Moon et al.		8,641,413	B2	2/2014	Chen et al.	
D518,885	S	4/2006	Stout, Jr.		8,668,070	B2	3/2014	Laniado et al.	
7,044,064	B2	5/2006	Li		8,668,949	B2	3/2014	Wilson et al.	
7,086,823	B2	8/2006	Michaud		D706,571	S	6/2014	Rivera et al.	
7,097,448	B2	8/2006	Chesney		D707,078	S	6/2014	Rivera et al.	
7,137,258	B2	11/2006	Widener		D710,647	S	8/2014	Mandil et al.	
7,219,663	B2	5/2007	Cuomo		8,870,565	B2	10/2014	Knight	
7,225,633	B2	6/2007	DeMars		D729,915	S	5/2015	Zhang	
D567,166	S	4/2008	Bogani		9,091,455	B1	7/2015	Coster	
D569,497	S	5/2008	Hoff		D735,520	S	8/2015	Mandil	
D579,708	S	11/2008	Chen		D735,525	S	8/2015	Nguyen	
D592,445	S *	5/2009	Sorenson .....	D7/359	9,138,099	B2	9/2015	Dhuper et al.	
7,575,002	B2	8/2009	DeMars et al.		D742,490	S	11/2015	Jepson	
D602,148	S	10/2009	DeFouw et al.		D743,203	S *	11/2015	Filho .....	D7/407
D604,098	S *	11/2009	Hamlin .....	D7/408	D743,517	S	11/2015	Platt et al.	
7,622,693	B2	11/2009	Foret		D743,531	S	11/2015	Biagioli et al.	
7,686,010	B2	3/2010	Gustavsen		D743,532	S *	11/2015	Biagioli .....	D23/415
7,708,006	B2	5/2010	Sun		D743,733	S	11/2015	Lee	
7,721,727	B2 *	5/2010	Kobayashi .....	F24C 3/085 126/152 B	D743,734	S	11/2015	Lee	
D621,873	S	8/2010	Tsai		D749,906	S	2/2016	Lee	
D622,318	S	8/2010	Tsai et al.		D752,199	S	3/2016	Berkman et al.	
D623,006	S	9/2010	Alden et al.		D752,202	S	3/2016	Berkman et al.	
					D758,129	S *	6/2016	Filho .....	D7/407
					D761,944	S	7/2016	Ediger et al.	

(56)

References Cited

OTHER PUBLICATIONS

U.S. PATENT DOCUMENTS

D765,232 S 8/2016 Horsfield  
 D766,036 S \* 9/2016 Koch ..... D7/407  
 D769,054 S \* 10/2016 Lee ..... D7/352  
 D774,350 S \* 12/2016 Mandil ..... D7/354  
 D777,307 S \* 1/2017 Rocha ..... D23/343  
 D791,930 S \* 7/2017 Rivera ..... D23/415  
 D795,002 S \* 8/2017 Lee ..... D7/352  
 D795,634 S \* 8/2017 Lee ..... D7/352  
 9,717,340 B2 \* 8/2017 Rivera ..... A47C 1/03294  
 9,743,772 B2 \* 8/2017 Rivera ..... A47C 1/03294  
 D798,660 S \* 10/2017 Nadal ..... D7/407  
 D799,946 S \* 10/2017 Sotto ..... D8/373  
 D816,774 S \* 5/2018 Edevold ..... D21/343  
 D817,697 S \* 5/2018 Zhao ..... D7/359  
 D817,708 S \* 5/2018 Kim ..... D7/407  
 2001/0019815 A1 9/2001 Keller  
 2003/0075166 A1 8/2003 Glass  
 2004/0200359 A1 10/2004 Snider  
 2004/0224273 A1 \* 11/2004 Inomata ..... F23D 14/065  
 431/354  
 2004/0224274 A1 \* 11/2004 Tomiura ..... F23D 14/06  
 431/354  
 2004/0261316 A1 12/2004 Weaver  
 2005/0039612 A1 2/2005 Denny  
 2005/0229916 A1 10/2005 Fitzgerald  
 2006/0154191 A1 7/2006 Gilioli et al.  
 2006/0191528 A1 8/2006 Spangrud  
 2006/0236996 A1 10/2006 Mosher et al.  
 2006/0266351 A1 11/2006 Griffin  
 2007/0151776 A1 7/2007 Hart  
 2007/0157857 A1 7/2007 Bottemiller  
 2007/0281256 A1 \* 12/2007 Dodson ..... F23D 14/02  
 431/17  
 2008/0044537 A1 2/2008 Manuel  
 2008/0074864 A1 3/2008 Molders  
 2008/0092295 A1 4/2008 Flick et al.  
 2008/0188365 A1 8/2008 Dalla Piazza et al.  
 2008/0217266 A1 9/2008 Doyal  
 2008/0308645 A1 12/2008 Presley et al.  
 2009/0020109 A1 1/2009 Rheault  
 2009/0057252 A1 3/2009 Eckenrode et al.  
 2009/0095168 A1 4/2009 Shu  
 2009/0205626 A1 8/2009 Ferreiro Cerceda  
 2009/0266351 A1 10/2009 Lee  
 2010/0276414 A1 11/2010 Nam et al.  
 2010/0307347 A1 12/2010 Menashes  
 2010/0326420 A1 12/2010 Gasparini  
 2012/0060819 A1 3/2012 Hunt et al.  
 2013/0011800 A1 1/2013 Chen  
 2013/0037390 A1 2/2013 Laniado et al.  
 2013/0081609 A1 4/2013 Dhuper et al.  
 2013/0252188 A1 9/2013 Chen  
 2014/0109587 A1 4/2014 Crothers et al.  
 2014/0178548 A1 6/2014 Drummond et al.  
 2014/0261379 A1 9/2014 Mehler et al.  
 2014/0290643 A1 \* 10/2014 Potter ..... F23C 7/004  
 126/512  
 2014/0299584 A1 10/2014 Foret  
 2014/0319890 A1 10/2014 Rivera  
 2015/0041454 A1 2/2015 Foret  
 2015/0068512 A1 3/2015 Mehler et al.  
 2015/0075511 A1 3/2015 Kramer  
 2015/0144005 A1 5/2015 Becker  
 2015/0153041 A1 6/2015 Neumeier  
 2015/0226442 A1 8/2015 Alfakhrany  
 2016/0138828 A1 5/2016 Meritt  
 2016/0169542 A1 6/2016 Yoon  
 2016/0215726 A1 7/2016 Acocella et al.  
 2016/0356491 A1 \* 12/2016 Rivera ..... F24C 15/08  
 2016/0370004 A1 \* 12/2016 Adkins ..... F23D 91/00  
 2017/0108215 A1 \* 4/2017 Yang ..... F23D 14/06  
 2017/0370575 A1 \* 12/2017 Rasi ..... F24C 3/085  
 2017/0370594 A1 \* 12/2017 Balderas ..... F23D 14/045  
 2018/0073730 A1 \* 3/2018 Acosta Herrero ..... F24C 3/085

Firenado 36-Inch Natural Gas Spiral Ring Burner, image post date 2018, site visited Jul. 23, 2018, (online), <<http://blazingembers.com/firenado-36-inch-natural-gas-spiral-ring-burner-stainless-steel/>>.\*  
 Detail of a gas stove burner, image post date May 21, 2016, site visited Nov. 9, 2016, (online), <http://www.gettyimages.com/detail/photo/close-up-of-a-gas-stove-burner-high-res-stock-photography/126154789> with TinEye, (online), <https://www.tineye.com/search/cfc77a27cde7e2b03fe89f662bdf5cd782ce569c/?pluginver=>, indicating a publication date of Jan. 29, 2011.  
 NPL date for detail of a gas stove burner from Tin Eye, image post date May 21, 2016, site visited Nov. 9, 2016, (online), <<https://www.tineye.com/search/cfc77a27cde7e2b03fe89f662bdf5cd782ce569c/?pluginver=>>.  
 Glaro Canopy Top, image post date Jan. 17, 2006, site visited Nov. 9, 2016, (online), [http://web.archive.org/web/20060117024552/http://www.hippopro.com/Waste\\_CanopyTop.htm](http://web.archive.org/web/20060117024552/http://www.hippopro.com/Waste_CanopyTop.htm).  
[http://www.alibaba.com/product-free/111467453/Grill\\_Pan\\_Roast\\_Pan\\_Grill\\_Plate.html](http://www.alibaba.com/product-free/111467453/Grill_Pan_Roast_Pan_Grill_Plate.html), in 2 pages, available on or before May 20, 2012.  
[http://www.alibaba.com/product-free/112426845/Cast\\_Iron\\_Korean\\_Bowl\\_Set.html](http://www.alibaba.com/product-free/112426845/Cast_Iron_Korean_Bowl_Set.html), in 2 pages, available on or before May 20, 2012.  
[http://www.alibaba.com/product-gs/296152366/BBQ\\_Grill\\_Plate.html](http://www.alibaba.com/product-gs/296152366/BBQ_Grill_Plate.html), in 2 pages, available on or before May 20, 2012.  
[http://www.alibaba.com/product-gs/300043200/BBQ\\_Grill\\_Plate.html](http://www.alibaba.com/product-gs/300043200/BBQ_Grill_Plate.html), in 2 pages, available on or before May 20, 2012.  
[http://www.alibaba.com/product-tp/108119053/MODEL\\_TBP\\_1\\_BBQ\\_GRILL\\_PLATE.html](http://www.alibaba.com/product-tp/108119053/MODEL_TBP_1_BBQ_GRILL_PLATE.html), in 1 page, available on or before May 20, 2012.  
[http://www.alibaba.com/product-tp/108044193/MODEL\\_TPB\\_2\\_BBQ\\_GRILL\\_PLATE.html](http://www.alibaba.com/product-tp/108044193/MODEL_TPB_2_BBQ_GRILL_PLATE.html), in 3 pages, available on or before May 20, 2012.  
[http://www.amazon.com/Castiron-Marble-Coating-Stove-Outdoor/dp/B000216TAW/ref=sr\\_1\\_4?ie=UTF8&qid=1337562464&sr=8-4](http://www.amazon.com/Castiron-Marble-Coating-Stove-Outdoor/dp/B000216TAW/ref=sr_1_4?ie=UTF8&qid=1337562464&sr=8-4), in 3 pages, available on or before May 20, 2012.  
[http://www.amazon.com/Mongolian-BBQ-Grill-Cast-Iron/dp/B002A3AZQO/ref=sr\\_1\\_1?ie=UTF8&qid=1337562464&sr=8-1](http://www.amazon.com/Mongolian-BBQ-Grill-Cast-Iron/dp/B002A3AZQO/ref=sr_1_1?ie=UTF8&qid=1337562464&sr=8-1), in 4 pages, available on or before May 20, 2012.  
<http://www.deal.com.sg/deals/singapore/BigBang-Bulgogi-Korean-BBQ-n-Steamboat-2-in-1-Buffer-3-Price-Options-Available>, in 5 pages, available on or before May 20, 2012.  
<http://www.deal.com.sg/deals/singapore/BigBang-Bulgogi-Korean-BBQ-n-Steamboat-2-in-1-Buffer-3-Price-Options-Available>, in 9 pages, available on or before May 20, 2012 (per Internet Archive Wayback Machine, <http://web.archive.org/web/20120627072226/http://www.deal.com.sg/deals/singapore/BigBang-Bulgogi-Korean-BBQ-n-Steamboat-2-in-1-Buffer-3-Price-Options-Available>), Accessed on Oct. 14, 2016.  
<http://www.eurocosm.com/Application/Products/cooking-products/architect-firepit-GB.asp>, in 3 pages, available on or before May 20, 2012.  
<http://jasonandkara.com/2007/03/10/bulgogi-korean-barbeque/>, in 1 page, available on or before May 20, 2012.  
[http://kimchimari.com/2012/02/25/pork-bbq-dweji-bulgogi/dsc\\_5793-640x425/](http://kimchimari.com/2012/02/25/pork-bbq-dweji-bulgogi/dsc_5793-640x425/), in 5 pages, available on or before May 20, 2012.  
[http://queenart.en.ec21.com/Bulgogi\\_Grill\\_Pan\\_with\\_Marble-2103258\\_2103271.html](http://queenart.en.ec21.com/Bulgogi_Grill_Pan_with_Marble-2103258_2103271.html), in 1 page, available on or before May 20, 2012.  
<http://www.undercovergourmet.ca/2010/10/edmontons-best-korean-bbq/>, in 3 pages, available on or before May 20, 2012.  
 Masagrill Masa Series BBQ Grill Fire Pit Insert, <http://www.wayfair.com/Masagrill-Masa-Series-BBQ-Grill-Fire-Pit-Insert-STA227-MSG1005.html>, in 3 pages, available on or before May 20, 2012.  
 Oriflamme SUN Fire Table, image post date Oct. 14, 2013, site visited Aug. 6, 2016, (online), <[http://tineye.com/search/0dbbf4a0146cf6a2ae5ceb8a7c389bedc98cbaa5/?sort=crawl\\_date&order=asc](http://tineye.com/search/0dbbf4a0146cf6a2ae5ceb8a7c389bedc98cbaa5/?sort=crawl_date&order=asc)>.  
 Oriflamme Swirl Burner, image post date Apr. 16, 2008, site visited Aug. 6, 2016, (online), <<http://tineye.com/search/669d5f5726c577d82506b0fbb0e400c9ac02b3d0/>>.

(56)

**References Cited**

OTHER PUBLICATIONS

Logarithmic spirals—patterns created using beams of light, image post date May 12, 2015, site visited Aug. 6, 2016, (online), <<http://physicsworld.com/cws/article/news/2015/may/12/swirling-light-beams-carve-intricate-patterns>>.

Rain Canopy Trash Can Lid, image post date Sep. 6, 2010, site visited Nov. 9, 2016, (online), <https://www.tineye.com/search/085ff68eeafe4e75c351fda9c670c7f7f3b81895/>.

Tropitone Fire Pit Installation and Operating Instructions, image post date Aug. 7, 2012, site visited Aug. 6, 2016, (online), <[https://www.tropitone.com/sites/default/files/page\\_files/fire\\_pit\\_instructions\\_rev\\_e\\_.pdf](https://www.tropitone.com/sites/default/files/page_files/fire_pit_instructions_rev_e_.pdf)>.

\* cited by examiner

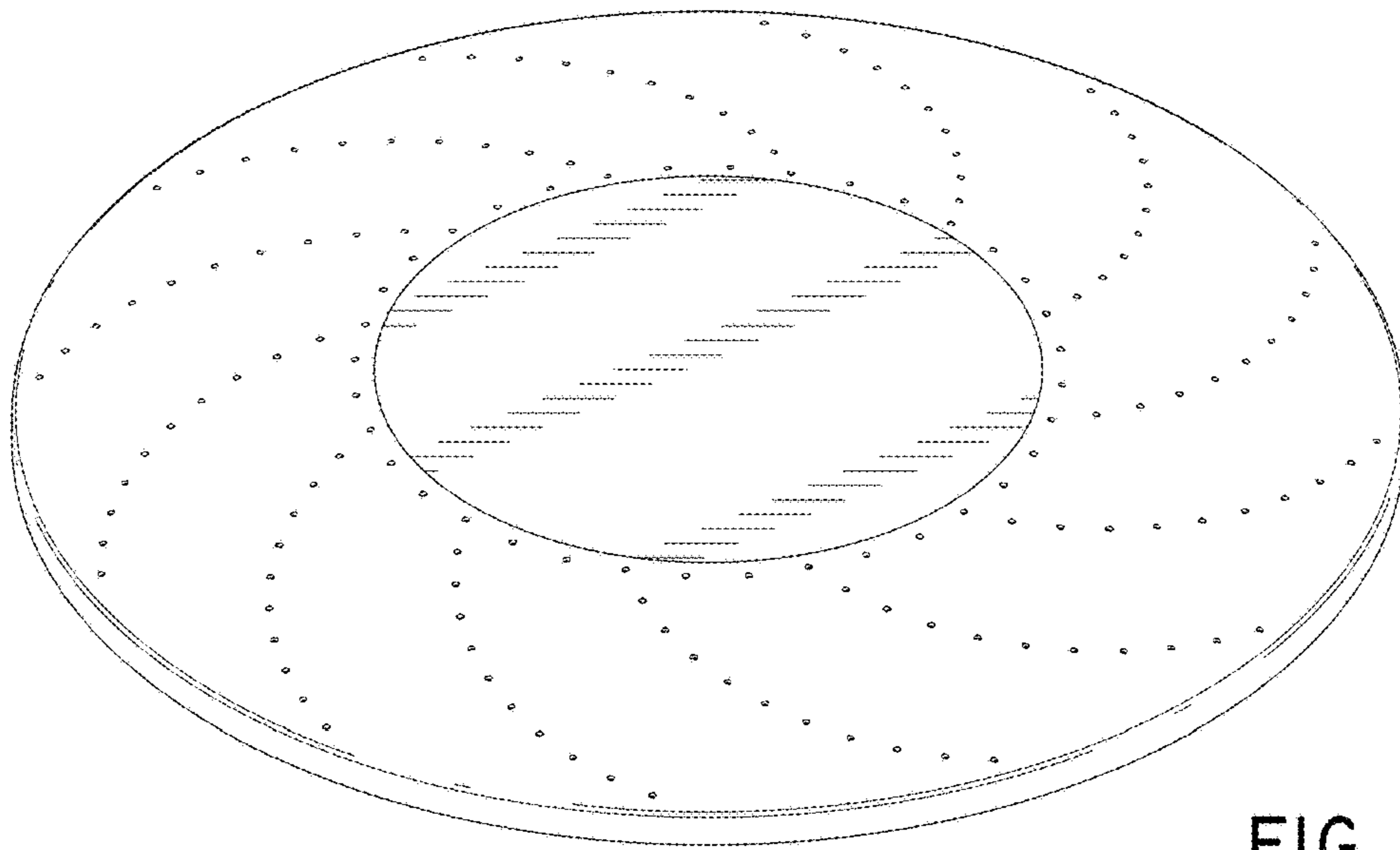


FIG. 1

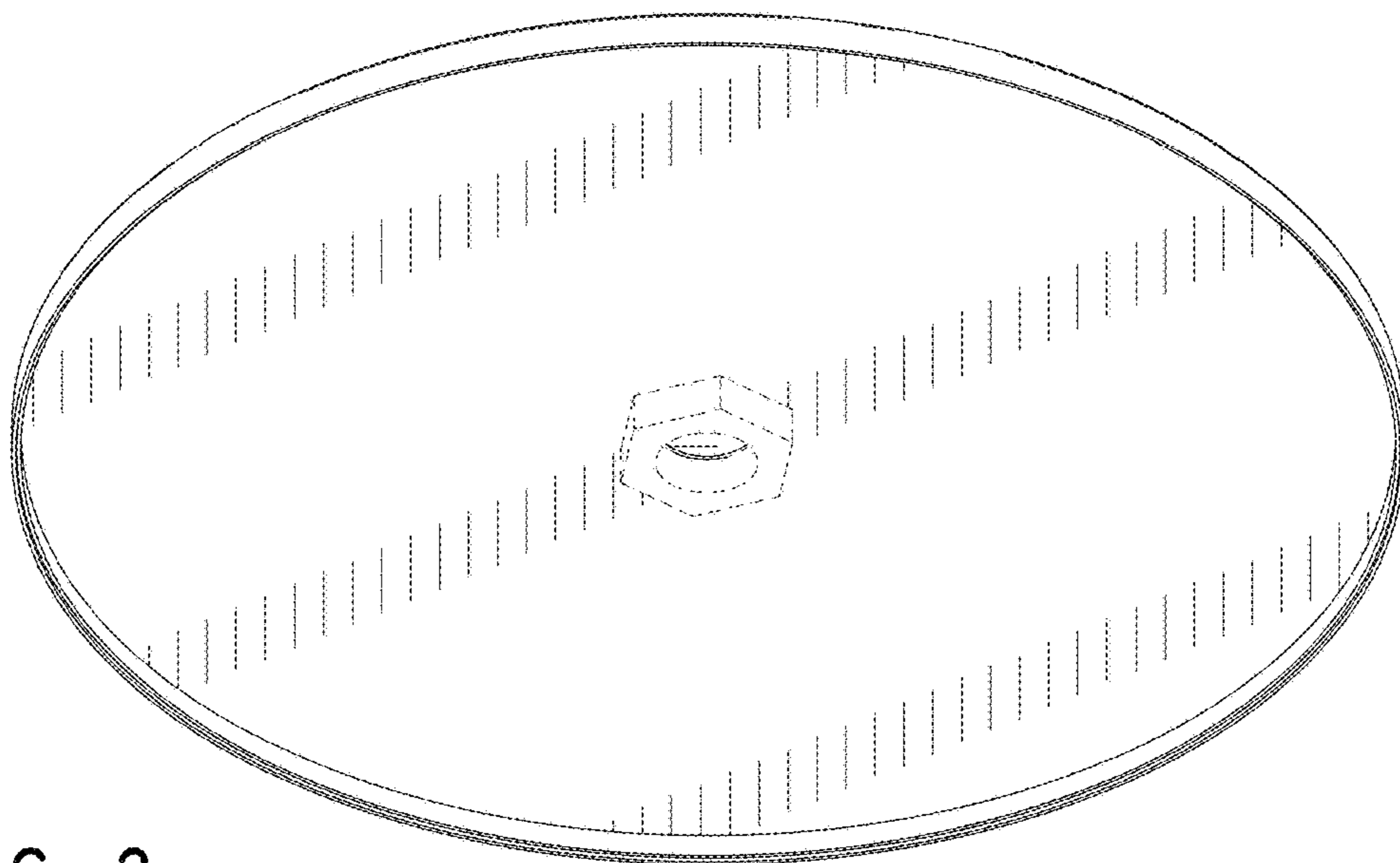


FIG. 2

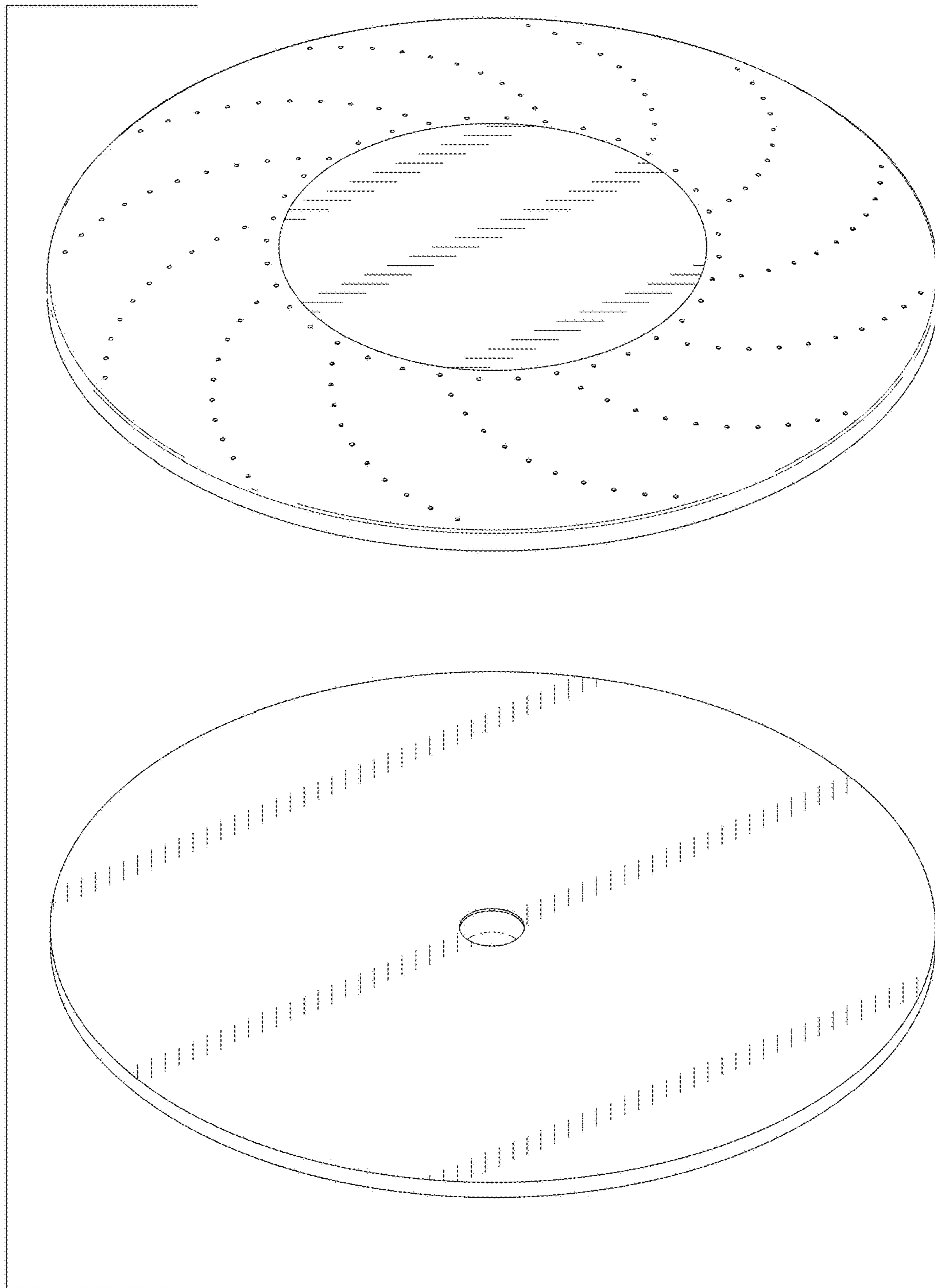


FIG. 3

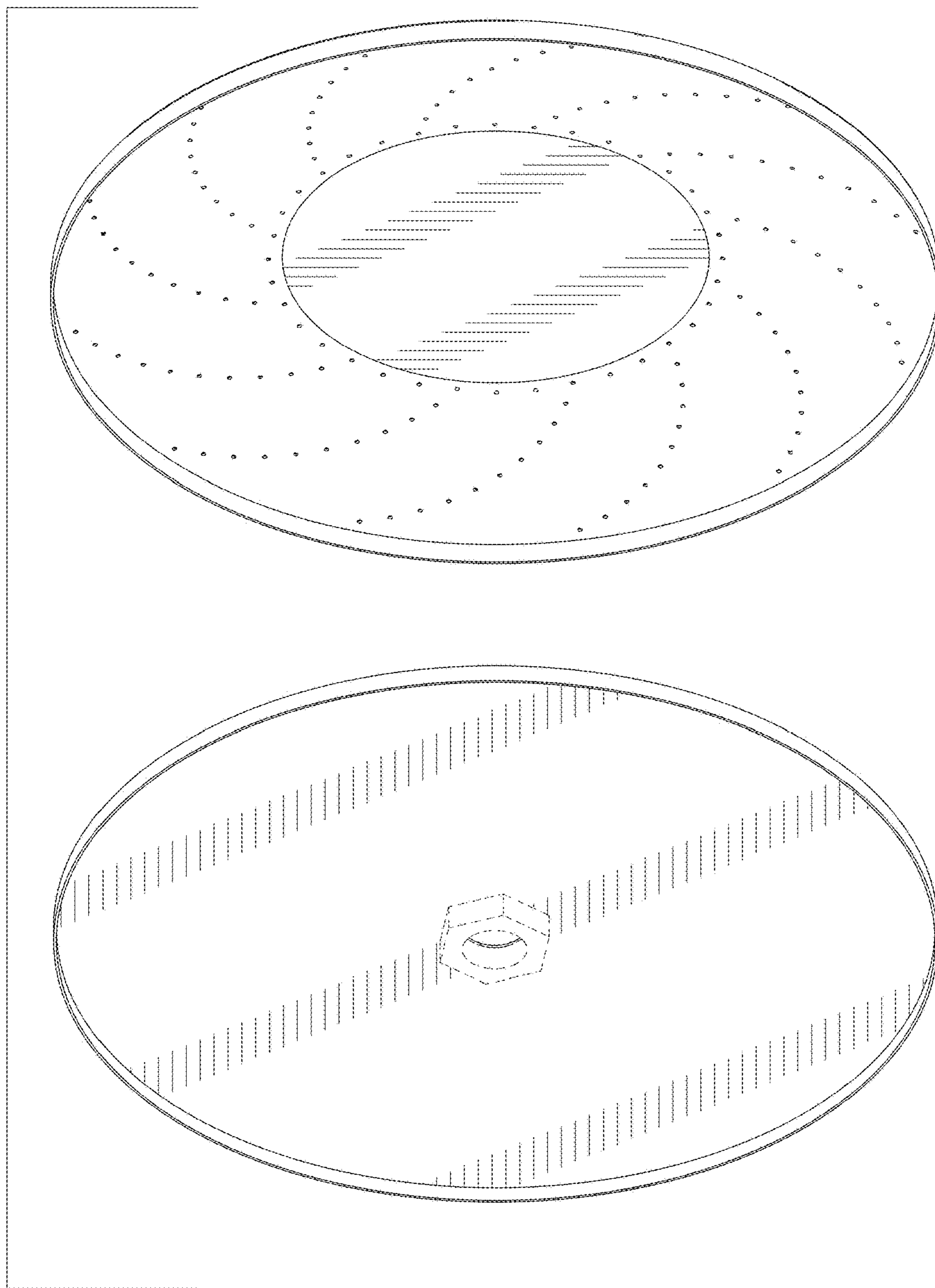


FIG. 4



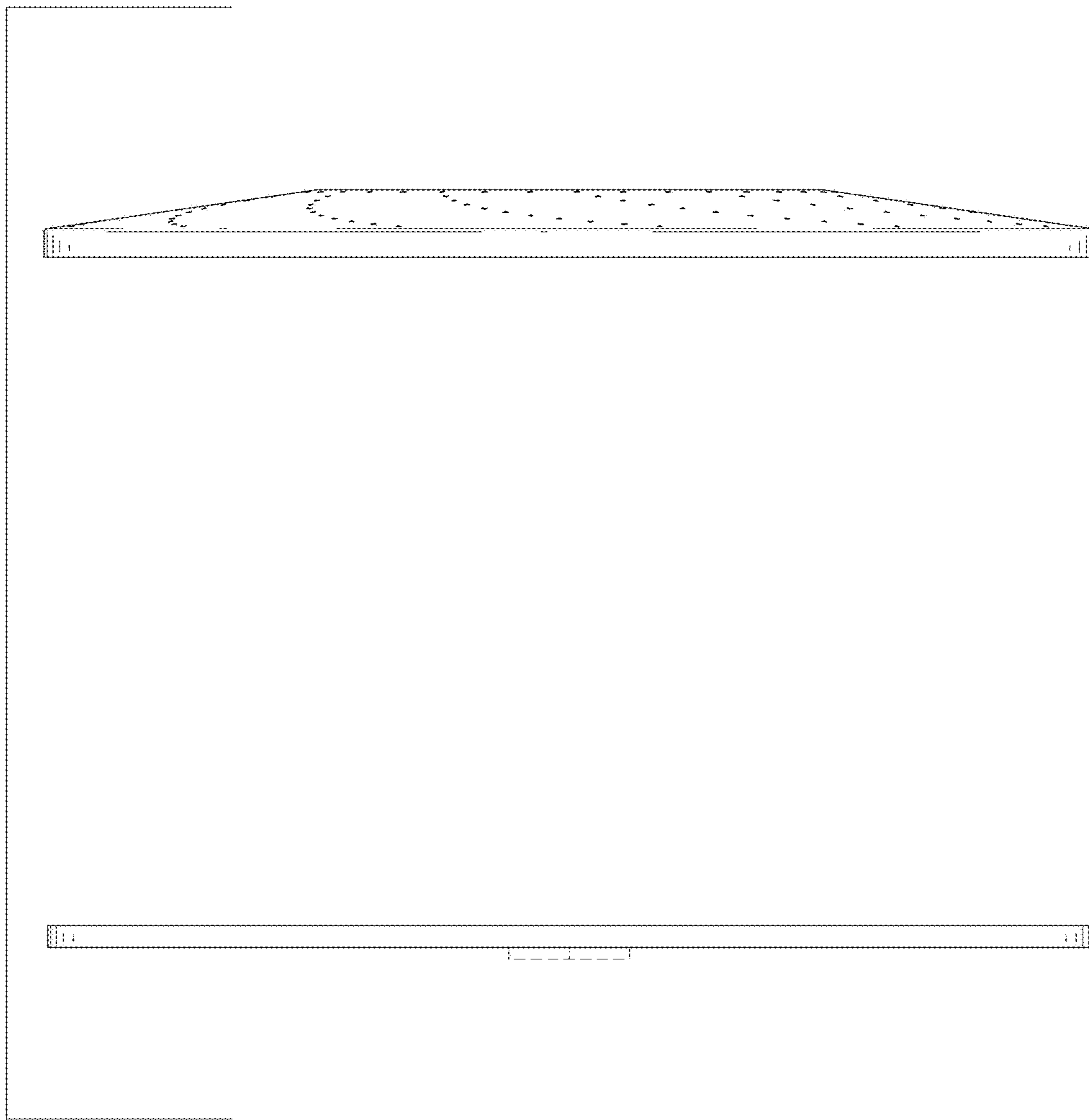


FIG. 5

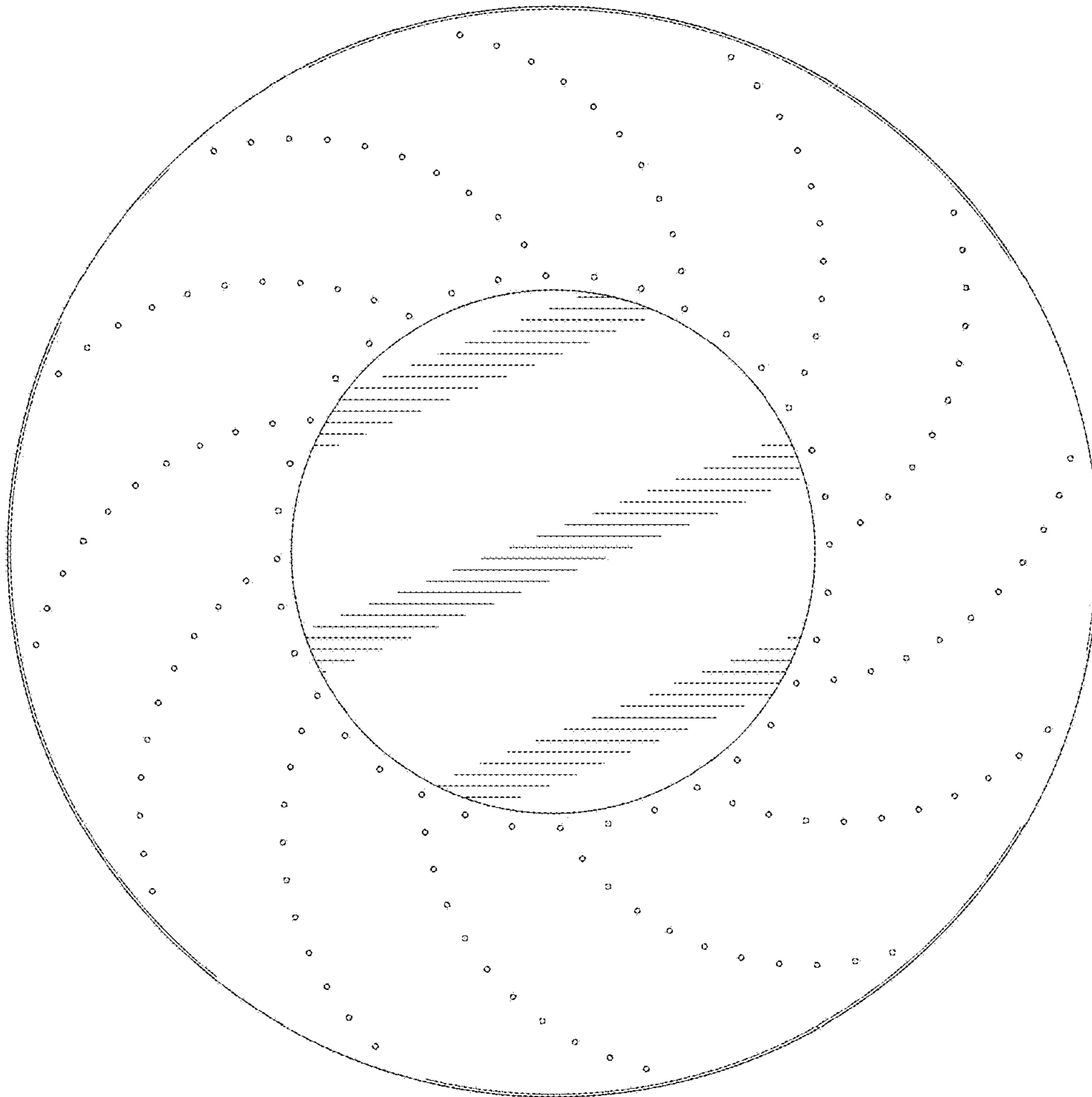


FIG. 6

FIG. 12

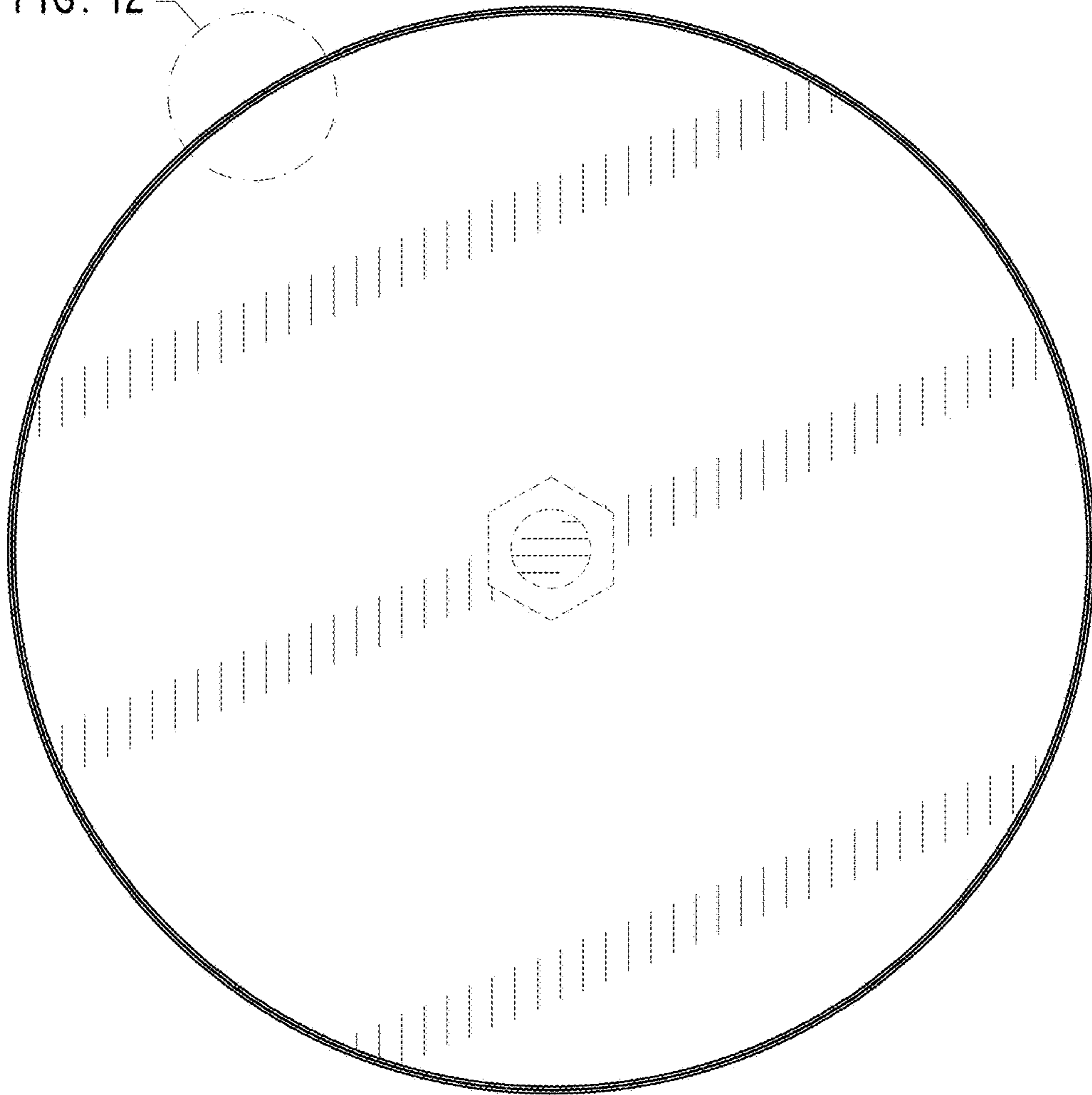


FIG. 7

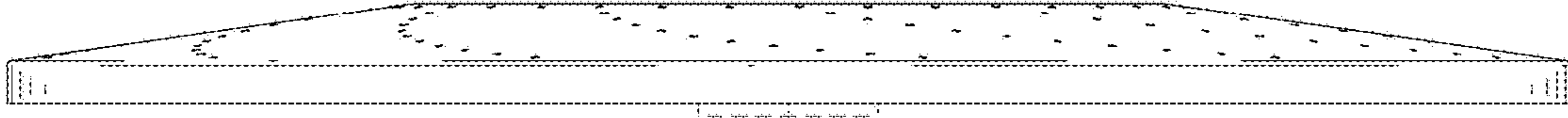


FIG. 8

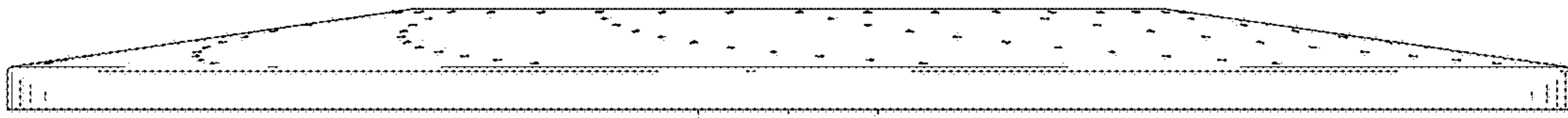


FIG. 9

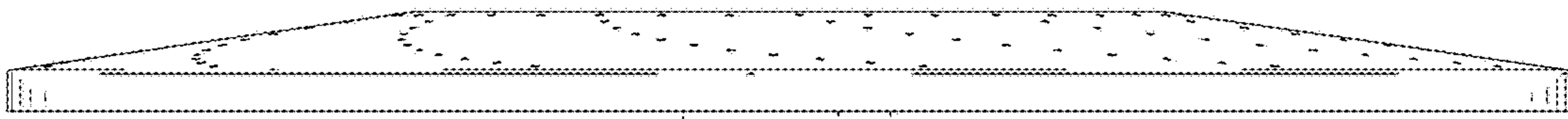


FIG. 10

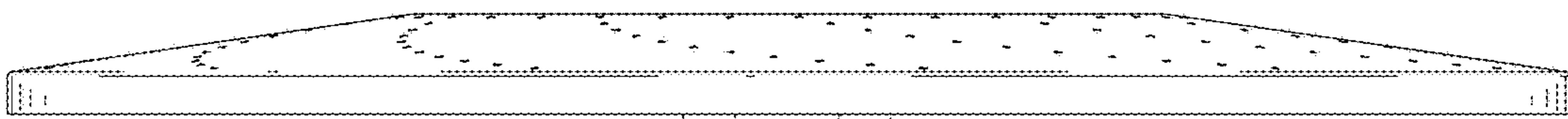


FIG. 11

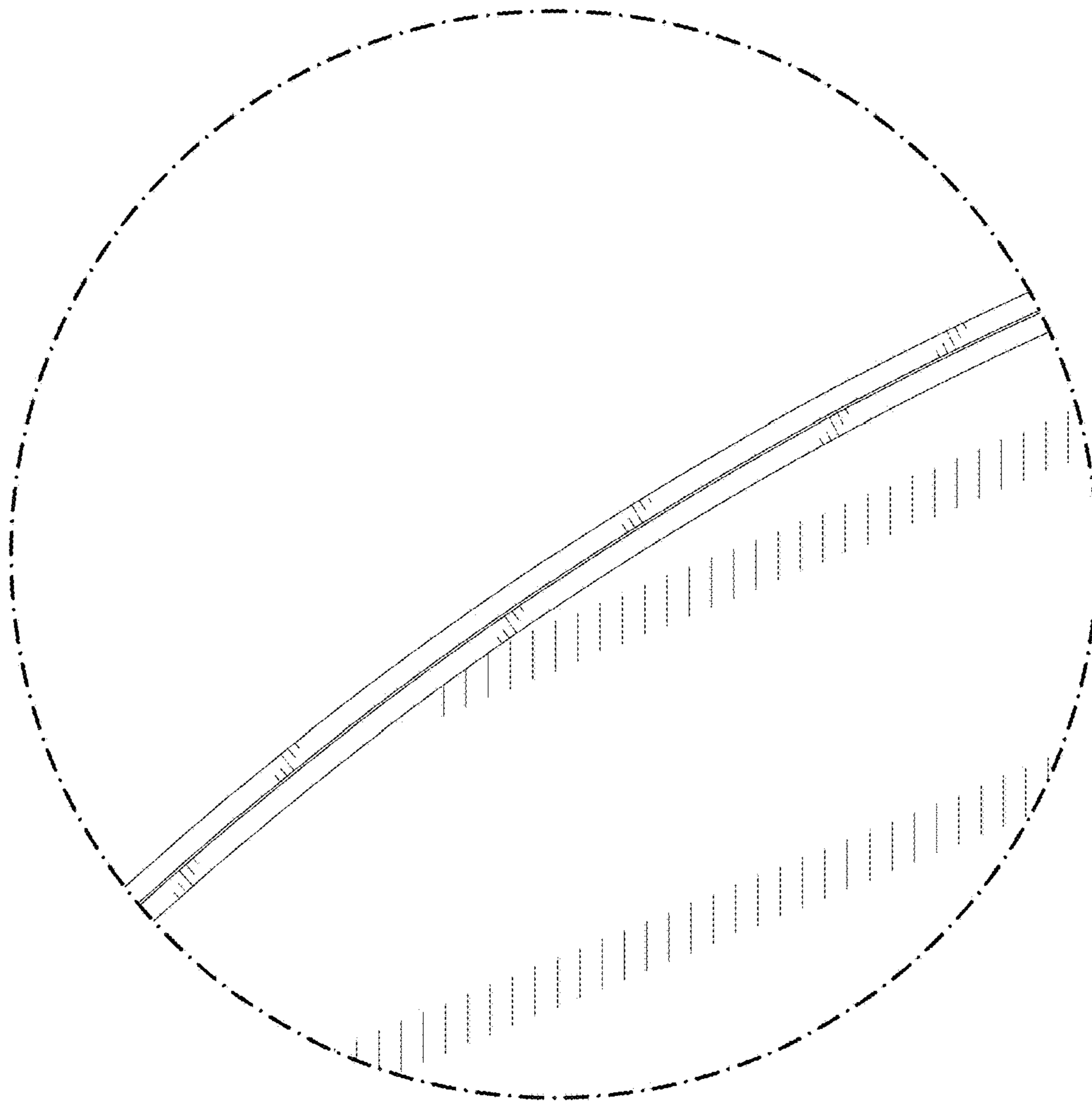


FIG. 12