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(12) **United States Design Patent** (10) **Patent No.:** **US D805,176 S**
Avedon (45) **Date of Patent:** **** Dec. 12, 2017**

(54) **AIR MOVING DEVICE**

FOREIGN PATENT DOCUMENTS

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AU 2013203632 11/2016
CN 1426729 7/2003

(Continued)

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OTHER PUBLICATIONS

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The new Airius Q50 EC, first archived Jul. 21, 2015, airius.com.au,
site visited May 23, 2017, Copyright © 2015, Available from
Internet, <<https://web.archive.org/web/20150721185407/http://airius.com.au/technical/specification-sheets/the-new-airius-q50-ec/>>.*

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(51) **LOC (10) Cl.** **23-04**

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(52) **U.S. Cl.**

USPC **D23/379**

(58) **Field of Classification Search**

USPC D23/314, 351, 355, 364, 370–397,
D23/398–403, 415–418, 499

(57) **CLAIM**

CPC F04D 9/042; F04D 29/646; F04D 19/002
See application file for complete search history.

The ornamental design for an air moving device, as shown
and described.

(56) **References Cited**

DESCRIPTION

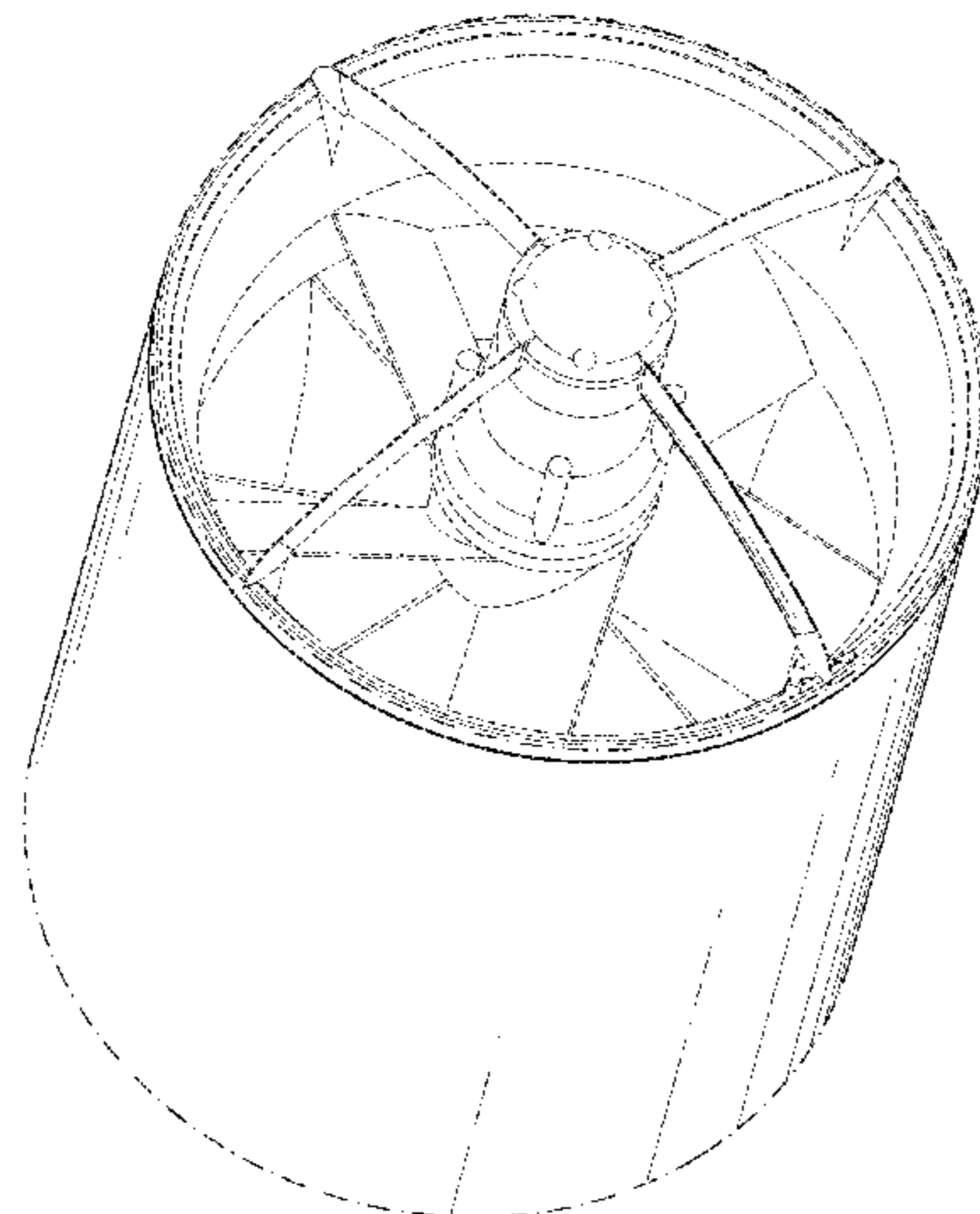
U.S. PATENT DOCUMENTS

866,292 A	9/1907	Meston
917,206 A	4/1909	Watts
1,858,067 A	5/1932	Warren
1,877,347 A	9/1932	McCurdie
1,926,795 A	9/1933	Sassenberg
2,016,778 A	10/1935	Hall et al.
2,189,008 A	2/1940	Kurth
2,189,502 A	2/1940	Johnston
2,232,573 A	2/1941	Teves
2,258,731 A	10/1941	Blumenthal
2,359,021 A	9/1944	Campbell et al.
2,366,773 A	1/1945	Eklund et al.
2,371,821 A	3/1945	Havis
D152,397 S	1/1949	Damond
2,513,463 A	7/1950	Eklund et al.
2,524,974 A	10/1950	Hickmott
2,615,620 A	10/1952	Goettl

(Continued)

FIG. 1 is a front, left, and top side perspective view of an air moving device embodying our new design;
FIG. 2 is a front, bottom, and left side perspective view thereof;
FIG. 3 back side elevational view thereof;
FIG. 4 is a front side elevational view thereof;
FIG. 5 is a left side elevational view thereof;
FIG. 6 is a right side elevational view thereof;
FIG. 7 is a top plan view thereof; and,
FIG. 8 is a bottom plan view thereof.
Broken lines are used to illustrate features of the air moving device which form no part of the claimed design. Dot-dash lines are used to illustrate boundary lines and form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

6,581,974 B1 6/2003 Ragner et al.
 6,582,291 B2 6/2003 Clark
 6,592,328 B1 7/2003 Cahill
 6,595,747 B2 7/2003 Bos
 6,626,003 B1 9/2003 Kortüm et al.
 6,626,636 B2 9/2003 Bohn
 D481,101 S 10/2003 Boehrs et al.
 D481,159 S * 10/2003 Walker D26/138
 6,648,752 B2 11/2003 Vernier, II et al.
 6,679,433 B2 1/2004 Gordon et al.
 6,682,308 B1 1/2004 Fei et al.
 6,700,266 B2 3/2004 Winkel et al.
 6,767,281 B2 7/2004 McKee
 6,783,578 B2 8/2004 Tillman, Jr.
 6,804,627 B1 10/2004 Marokhovsky et al.
 6,805,627 B2 10/2004 Marts et al.
 6,812,849 B1 11/2004 Ancel
 6,886,270 B2 5/2005 Gilmer
 6,916,240 B1 7/2005 Morton
 6,938,631 B2 9/2005 Gridley
 6,951,081 B2 10/2005 Bonshor
 6,966,830 B2 11/2005 Hurlstone et al.
 6,974,381 B1 12/2005 Walker et al.
 D514,688 S * 2/2006 Avedon D23/379
 7,011,578 B1 3/2006 Core
 7,044,849 B2 5/2006 Dippel
 7,048,499 B2 5/2006 Mathson et al.
 7,056,092 B2 6/2006 Stahl
 7,056,368 B2 6/2006 Moredock et al.
 7,101,064 B2 9/2006 Ancel
 7,152,425 B2 12/2006 Han et al.
 7,166,023 B2 1/2007 Haigh et al.
 7,175,309 B2 2/2007 Craw et al.
 7,185,504 B2 3/2007 Kasai et al.
 7,201,110 B1 4/2007 Pawlak
 7,201,650 B2 4/2007 Demerath et al.
 7,214,035 B2 5/2007 Bussieres et al.
 7,288,023 B2 10/2007 Leopold
 7,320,636 B2 1/2008 Seliger et al.
 7,331,764 B1 2/2008 Reynolds et al.
 D567,930 S * 4/2008 Smith D23/382
 7,374,408 B2 5/2008 Savage et al.
 D570,981 S * 6/2008 McClelland D23/370
 7,381,129 B2 6/2008 Avedon
 7,467,931 B2 12/2008 O'Toole
 7,497,773 B1 3/2009 Schmidt
 7,516,578 B2 4/2009 Bonshor
 7,544,124 B2 6/2009 Polston
 7,549,258 B2 6/2009 Lajewski
 7,566,034 B2 7/2009 Bonshor
 D599,471 S * 9/2009 Borovicka D23/412
 7,607,935 B2 10/2009 Dahl
 7,610,726 B2 11/2009 Lajewski
 D605,332 S * 12/2009 Miranda D26/88
 7,645,188 B1 1/2010 Peerbolt
 7,651,390 B1 1/2010 Profeta et al.
 7,677,770 B2 3/2010 Mazzochette
 7,677,964 B1 3/2010 Bucher et al.
 7,708,625 B2 5/2010 Leseman et al.
 D617,890 S * 6/2010 Thomas D23/393
 D620,096 S * 7/2010 Underwood D23/379
 7,752,814 B2 7/2010 Bonshor
 7,774,999 B2 8/2010 McKee
 7,780,510 B2 8/2010 Polston
 D631,148 S * 1/2011 Benton D23/370
 7,901,278 B2 3/2011 O'Hagin
 7,930,858 B2 4/2011 Lajewski
 8,052,386 B1 11/2011 Fitzpatrick et al.
 D672,863 S * 12/2012 Romero Carreras D23/370
 D681,184 S * 4/2013 Romero Carreras D23/370
 D684,307 S * 6/2013 Teller D26/118
 8,529,324 B2 9/2013 Moredock et al.
 8,596,596 B2 12/2013 Naji et al.
 8,616,842 B2 12/2013 Avedon
 D698,916 S * 2/2014 Avedon D23/379

D710,490 S * 8/2014 Shurtleff D23/411
 D715,904 S * 10/2014 Tate D23/387
 8,967,983 B2 3/2015 Kampf
 8,992,174 B2 3/2015 Chang
 9,151,295 B2 10/2015 Avedon
 D743,521 S * 11/2015 Jackson D23/393
 D746,971 S * 1/2016 Avedon D23/379
 D747,453 S * 1/2016 Stewart D23/370
 D755,438 S * 5/2016 Kimmnet D26/118
 D756,498 S * 5/2016 Norman D23/355
 9,335,061 B2 5/2016 Avedon
 D758,642 S * 6/2016 Eguchi D26/113
 D768,844 S * 10/2016 Koseoglu D23/386
 9,459,020 B2 10/2016 Avedon
 D775,719 S * 1/2017 Smith D23/370
 D783,795 S * 4/2017 Avedon D23/379
 2001/0049927 A1 12/2001 Toepel
 2002/0045420 A1 4/2002 Taillon
 2002/0137454 A1 9/2002 Baker
 2003/0092373 A1 5/2003 Kuo
 2004/0050077 A1 3/2004 Kasai et al.
 2004/0052641 A1 3/2004 Chen
 2004/0240214 A1 12/2004 Whitlow et al.
 2004/0253095 A1 12/2004 Sasaki et al.
 2005/0092888 A1 5/2005 Gonce
 2005/0159101 A1 7/2005 Hrdina et al.
 2006/0087810 A1 4/2006 Rockenfeller
 2006/0172688 A1 8/2006 Johnson
 2006/0276123 A1 12/2006 Sanagi et al.
 2006/0284435 A1 12/2006 Vitito
 2007/0213003 A1 9/2007 Railkar et al.
 2007/0231145 A1* 10/2007 Jin F04D 19/02
 416/198 R
 2007/0297906 A1 12/2007 Wu
 2008/0019836 A1 1/2008 Butz et al.
 2008/0188175 A1 8/2008 Wilkins
 2008/0227381 A1 9/2008 Avedon
 2009/0041580 A1 2/2009 Wichmann et al.
 2009/0155080 A1 6/2009 Yu
 2009/0170421 A1 7/2009 Adrian et al.
 2009/0219727 A1 9/2009 Weaver
 2009/0262550 A1 10/2009 Inoue
 2010/0009621 A1 1/2010 Hsieh
 2010/0052495 A1 3/2010 Liu et al.
 2010/0176706 A1 7/2010 Fu et al.
 2010/0192611 A1 8/2010 Yamaguchi et al.
 2010/0202932 A1 8/2010 Danville
 2011/0037368 A1 2/2011 Huang
 2011/0057551 A1 3/2011 Lee et al.
 2011/0057552 A1 3/2011 Weaver
 2011/0080096 A1 4/2011 Dudik et al.
 2011/0084586 A1 4/2011 Lain et al.
 2011/0133622 A1 6/2011 Mo et al.
 2011/0140588 A1 6/2011 Chen
 2011/0223016 A1 9/2011 Ediger et al.
 2012/0195749 A1 8/2012 Avedon
 2013/0023195 A1 1/2013 Avedon
 2013/0196588 A1 8/2013 Liao
 2014/0314560 A1 10/2014 Avedon
 2015/0176834 A1 6/2015 Avedon
 2015/0176851 A1 6/2015 Avedon
 2015/0354578 A1 12/2015 Avedon
 2016/0146222 A1* 5/2016 Avedon F04D 19/002
 415/211.2
 2016/0186765 A1 6/2016 Avedon
 2016/0238029 A1 8/2016 Avedon

FOREIGN PATENT DOCUMENTS

CN 10 1592328 12/2009
 CN 201 560 963 8/2010
 DE 44 13 542 10/1995
 DE 196 38 518 4/1998
 DE 10 2008 044874 3/2010
 EP 0 037 958 10/1981
 EP 0 212 749 3/1987
 EP 0 772 007 5/1997
 EP 2 248 692 11/2010
 FR 0 715 101 11/1931

(56)

References Cited

FOREIGN PATENT DOCUMENTS

FR	2 784 423	4/2000
GB	0 824 390	11/1959
GB	0 981 188	1/1965
GB	2 344 619	6/2000
GB	2 468 504	9/2010
JP	55-032965	3/1980
JP	61-502267	10/1986
JP	01-067548	3/1989
JP	07-167097	7/1995
JP	07-253231	10/1995
JP	08-219939	8/1996
JP	11-132543	5/1999
JP	2001-193979	7/2001
JP	2002-349489	12/2002
JP	2006-350237	12/2006
JP	2010-181124	8/2010
KR	20-0176664	4/2000
KR	2003-0025428	3/2003
KR	10-1255739	4/2013
RU	2400254 C2	9/2010
TW	M337636	8/2008
WO	WO 01/34983	5/2001
WO	WO 2005/091896	10/2005
WO	WO 2006/078102	7/2006
WO	WO 2008/062319	5/2008
WO	WO 2010/046536	4/2010
WO	WO 2010/114702	10/2010
WO	WO 2011/067430	6/2011
WO	WO 2012/174155	12/2012
WO	WO 2012/174156	12/2012
WO	WO 2015/187856	12/2015
WO	WO 2016/081693	5/2016

* cited by examiner

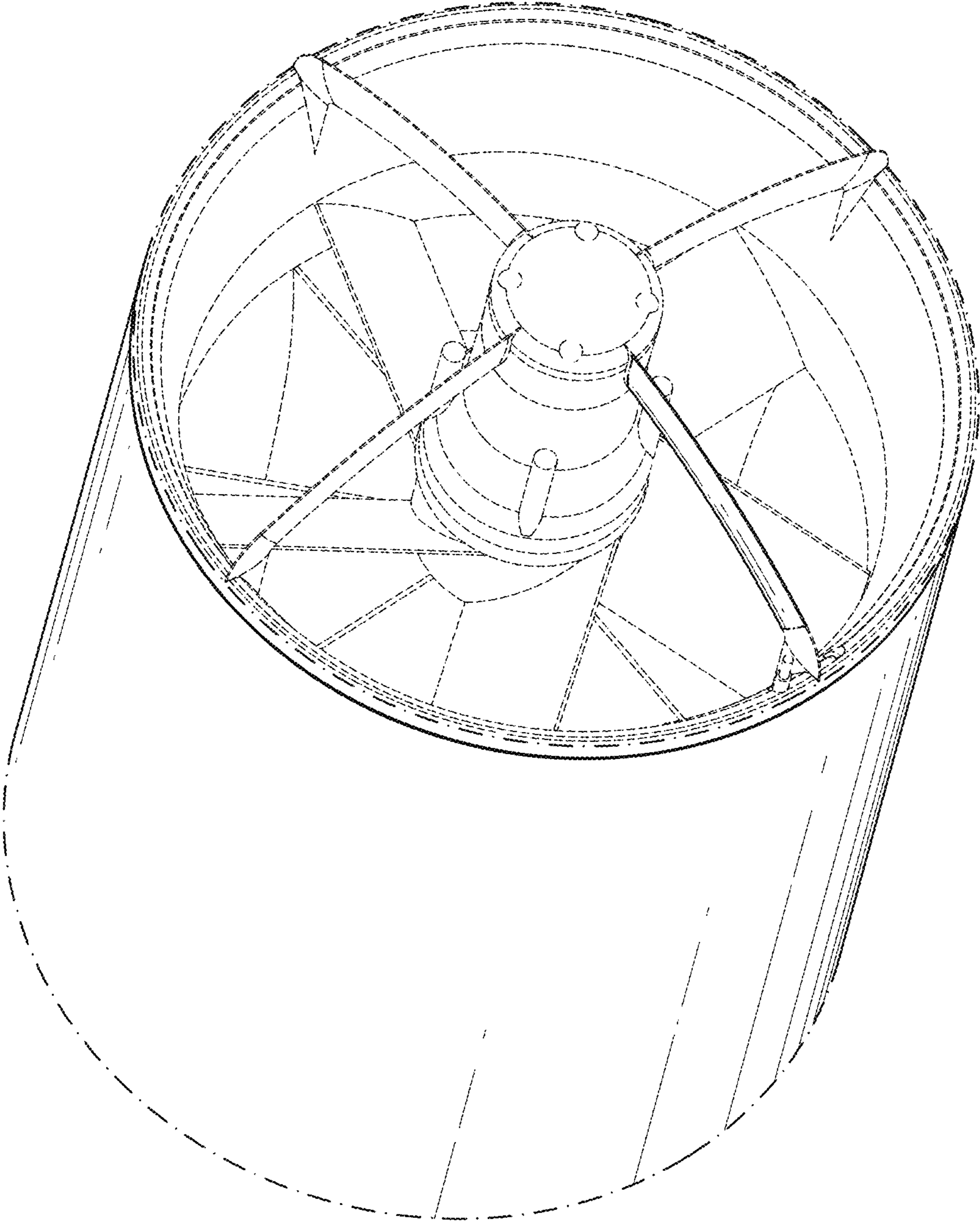


FIG. 1

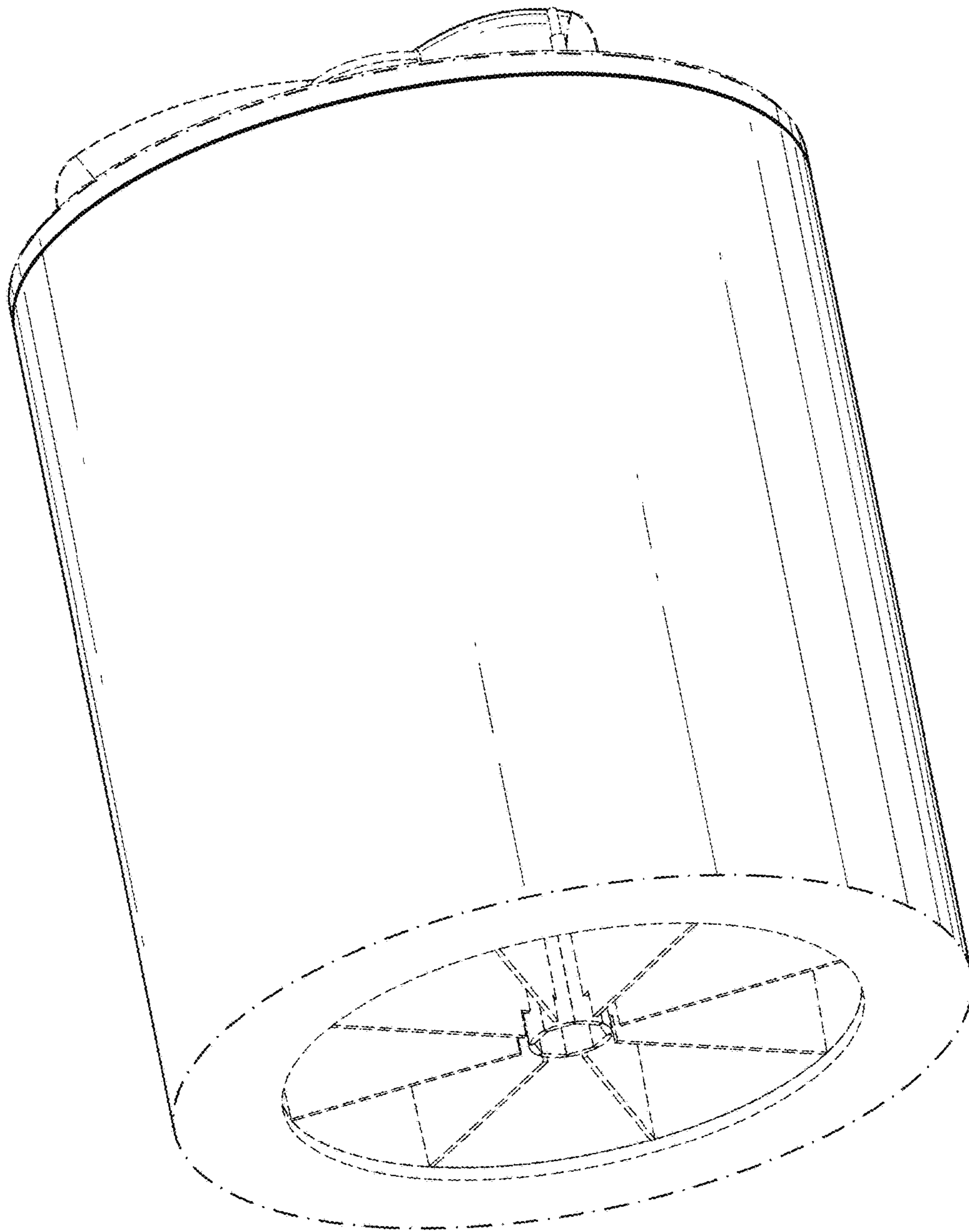


FIG. 2

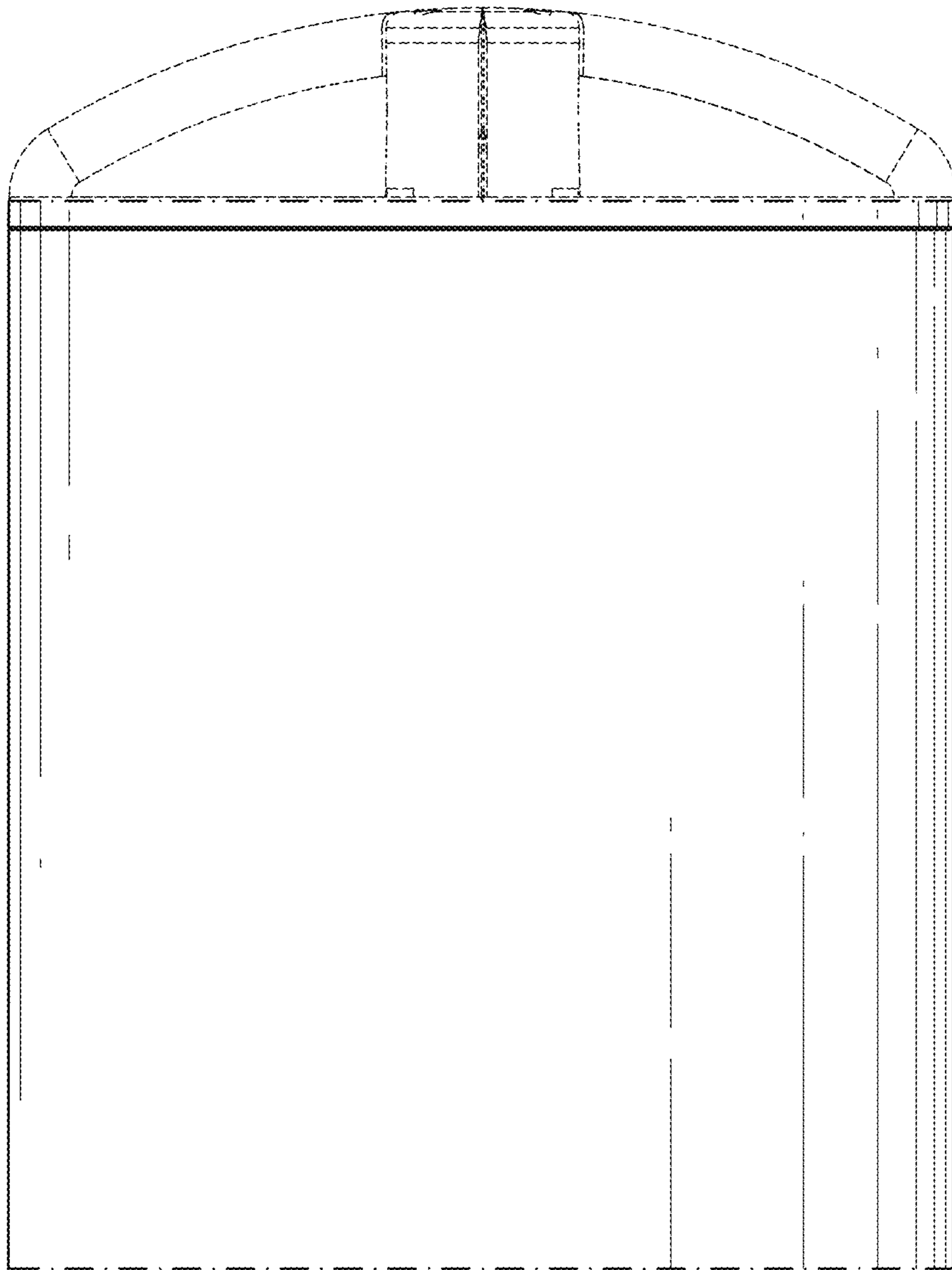


FIG. 3

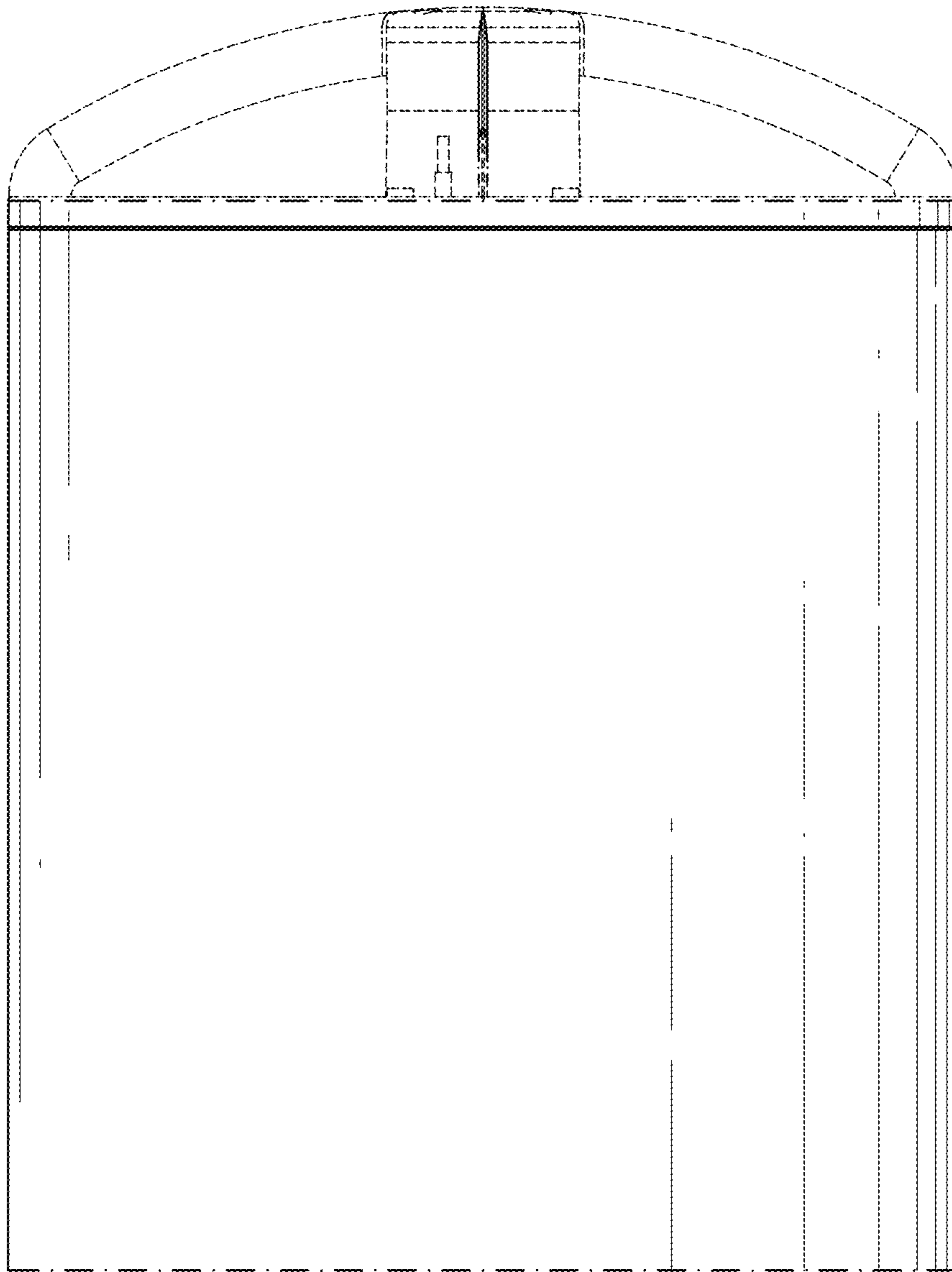


FIG. 4

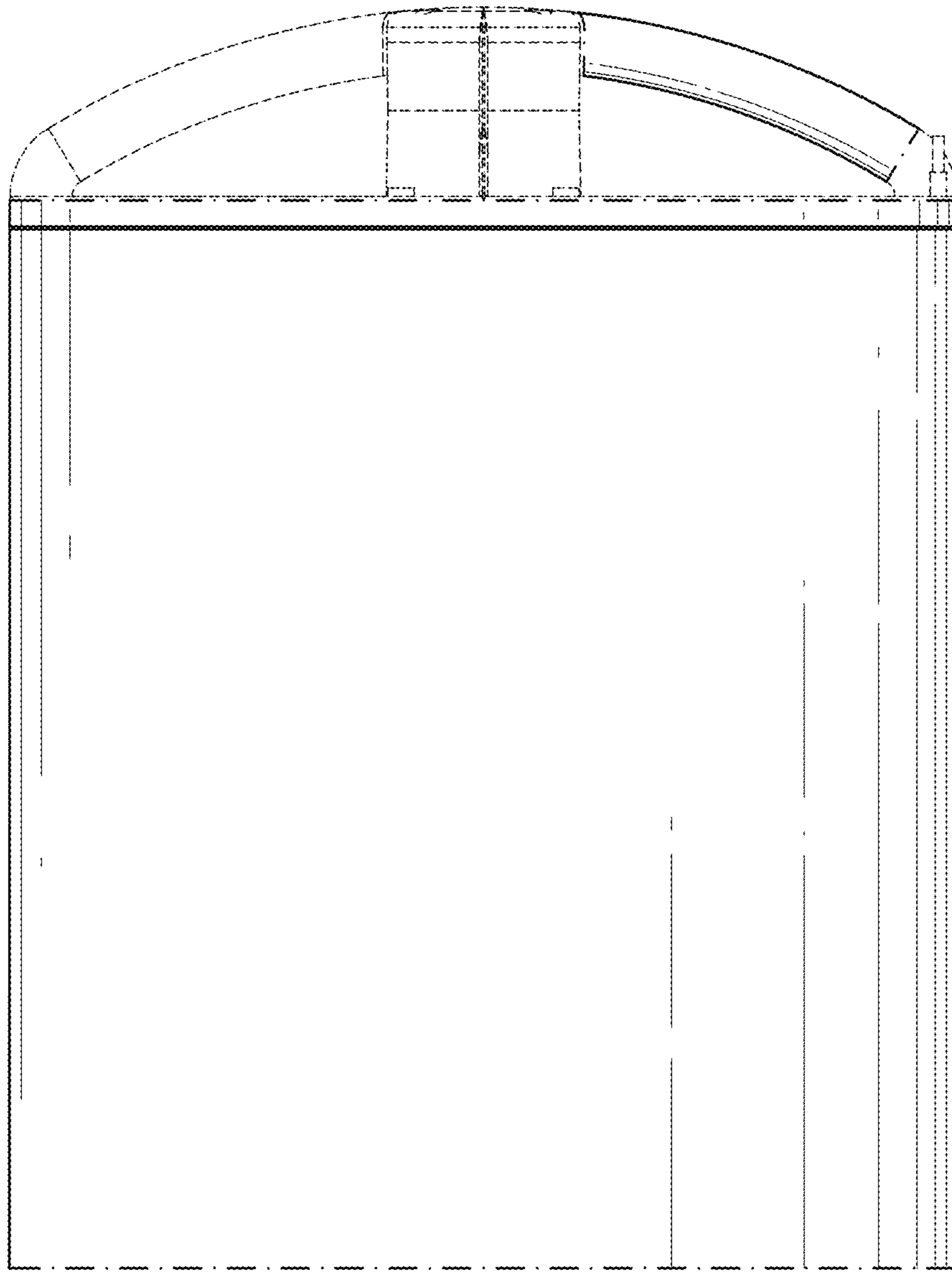


FIG. 5

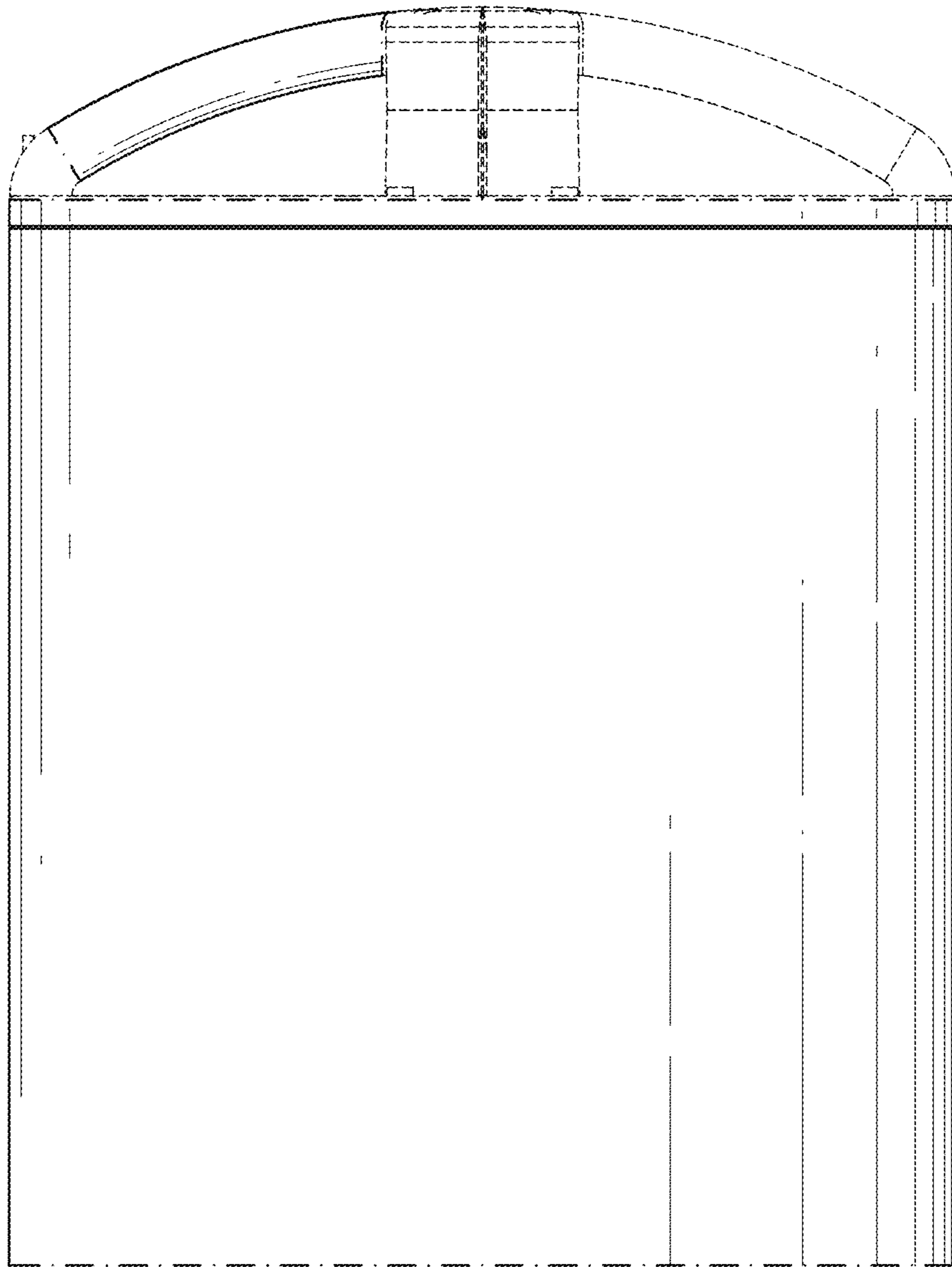


FIG. 6

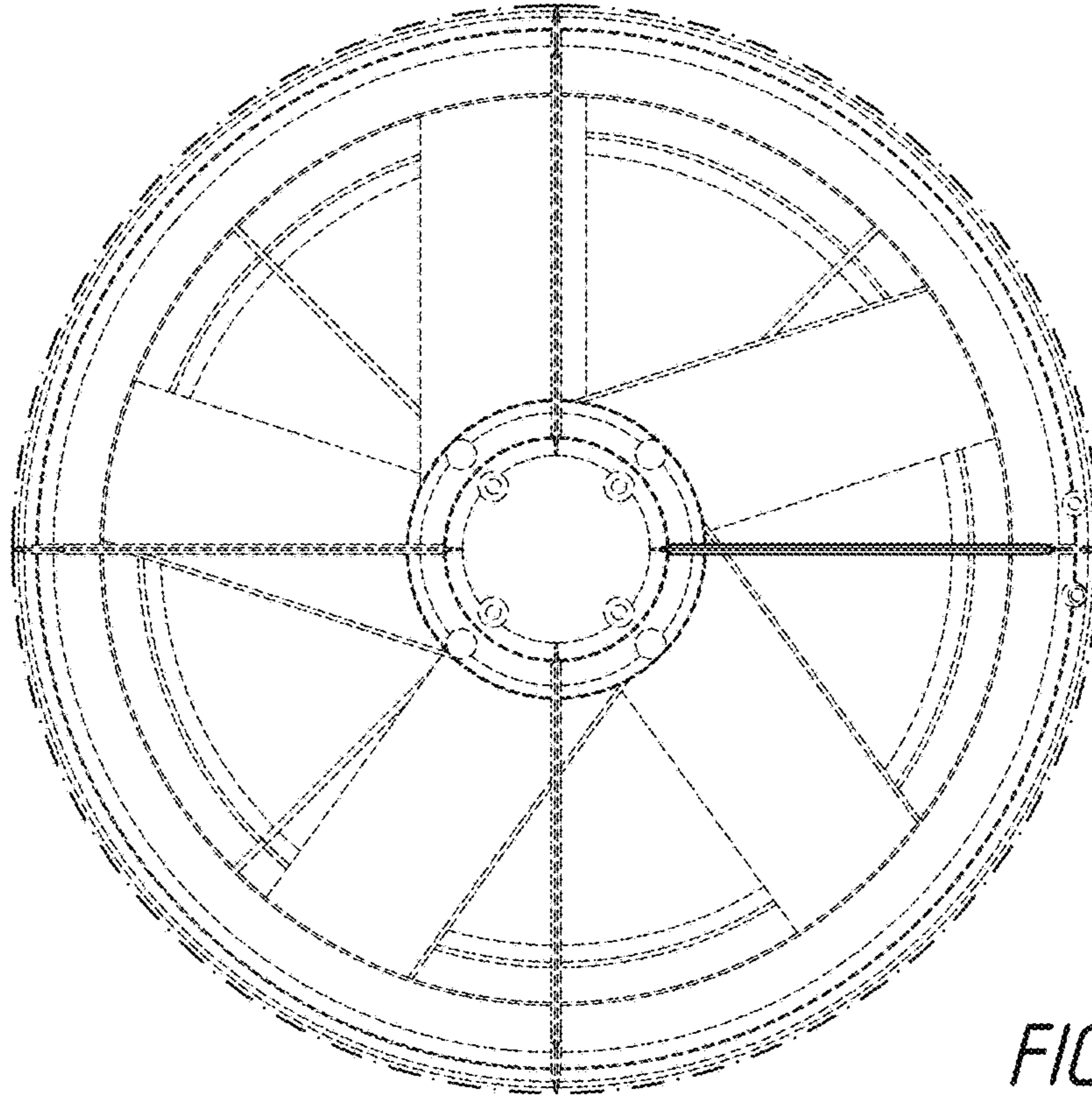


FIG. 7

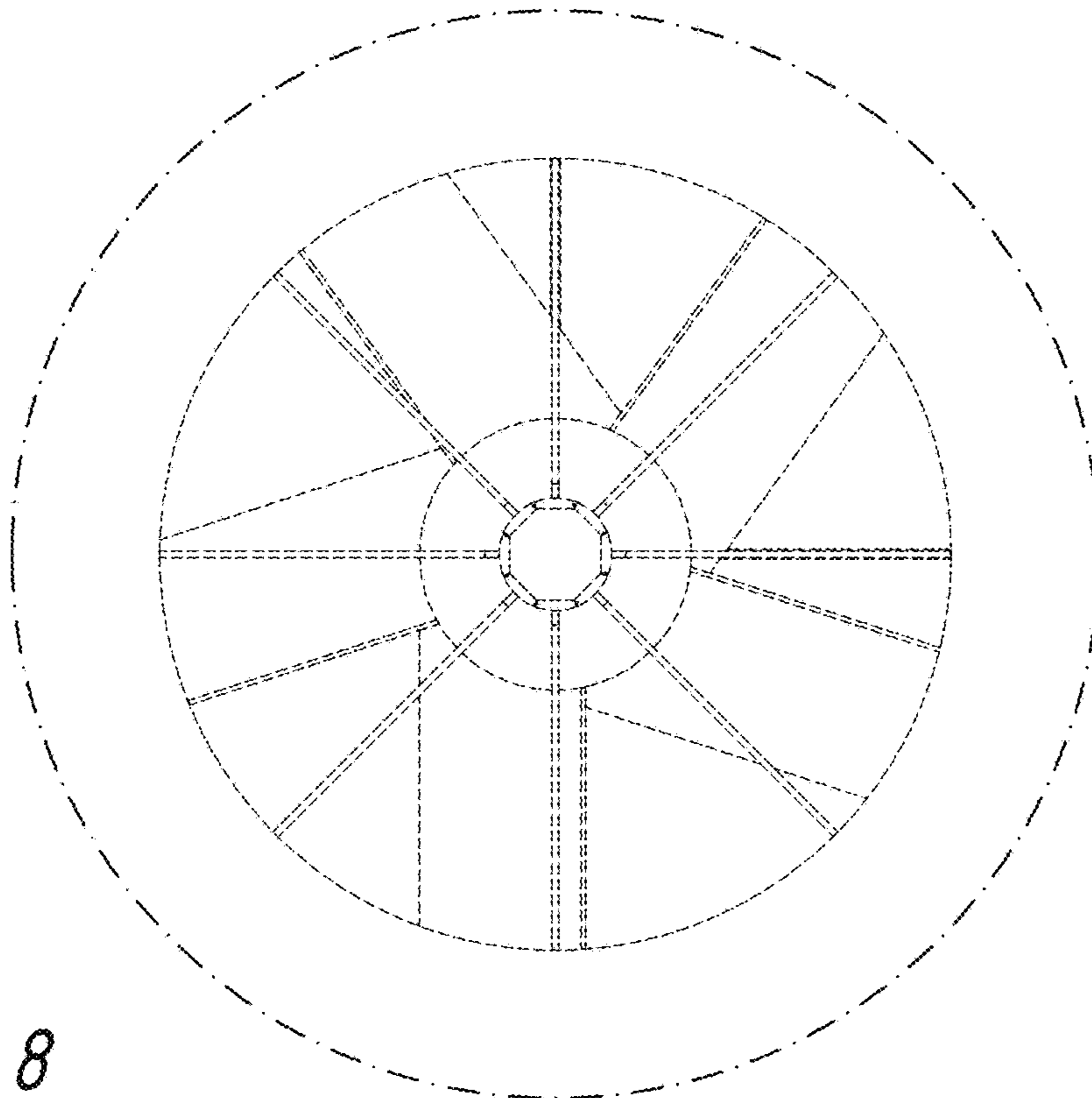


FIG. 8