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(12) **United States Design Patent**
Lundgren et al.

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(54) **FILTER CARTRIDGE**

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(**) Term: **14 Years**

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(51) **LOC (9) Cl.** **23-04**

(52) **U.S. Cl.** **D23/365**

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D23/363, 358, 386, 354, 341, 364, 370, 393;
55/385.3, 502, 497, 506, 505, 521, 495, 422,
55/493, 522, DIG. 30, DIG. 31, DIG. 37;
210/497.1; D15/1, 3, 5, 13, 14, 17; D14/214;
D32/30

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,164,141	A	1/1965	Jones	
5,853,439	A	12/1998	Gieseke et al.	
D410,010	S	5/1999	Gieseke et al.	
D420,117	S	2/2000	Gieseke et al.	
D425,270	S *	5/2000	Zahuranec D32/30
6,143,049	A	11/2000	Gieseke et al.	
6,171,355	B1	1/2001	Gieseke et al.	
D438,214	S	2/2001	Gieseke et al.	
6,187,073	B1	2/2001	Gieseke et al.	
D439,962	S	4/2001	Gieseke et al.	
D439,963	S	4/2001	Gieseke et al.	
D440,293	S	4/2001	Gieseke et al.	

(Continued)

FOREIGN PATENT DOCUMENTS

EP 0 991 851 8/2002

(Continued)

OTHER PUBLICATIONS

Exhibit A—Pending claims corresponding to U.S. Appl. No. 11/175,650.

(Continued)

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(57) **CLAIM**

The ornamental design for filter cartridge, as shown and described.

DESCRIPTION

FIG. 1 is an inlet end perspective view of an embodiment of a filter cartridge according to the present disclosure; phantom lines indicating portions not forming part of the design;

FIG. 2 is a bottom perspective view of the cartridge depicted in FIG. 1;

FIG. 3 is a first side elevational view of the cartridge depicted in FIG. 1;

FIG. 4 is a second side elevational view of the cartridge depicted in FIG. 1, the view of FIG. 4 being opposite to that of FIG. 1;

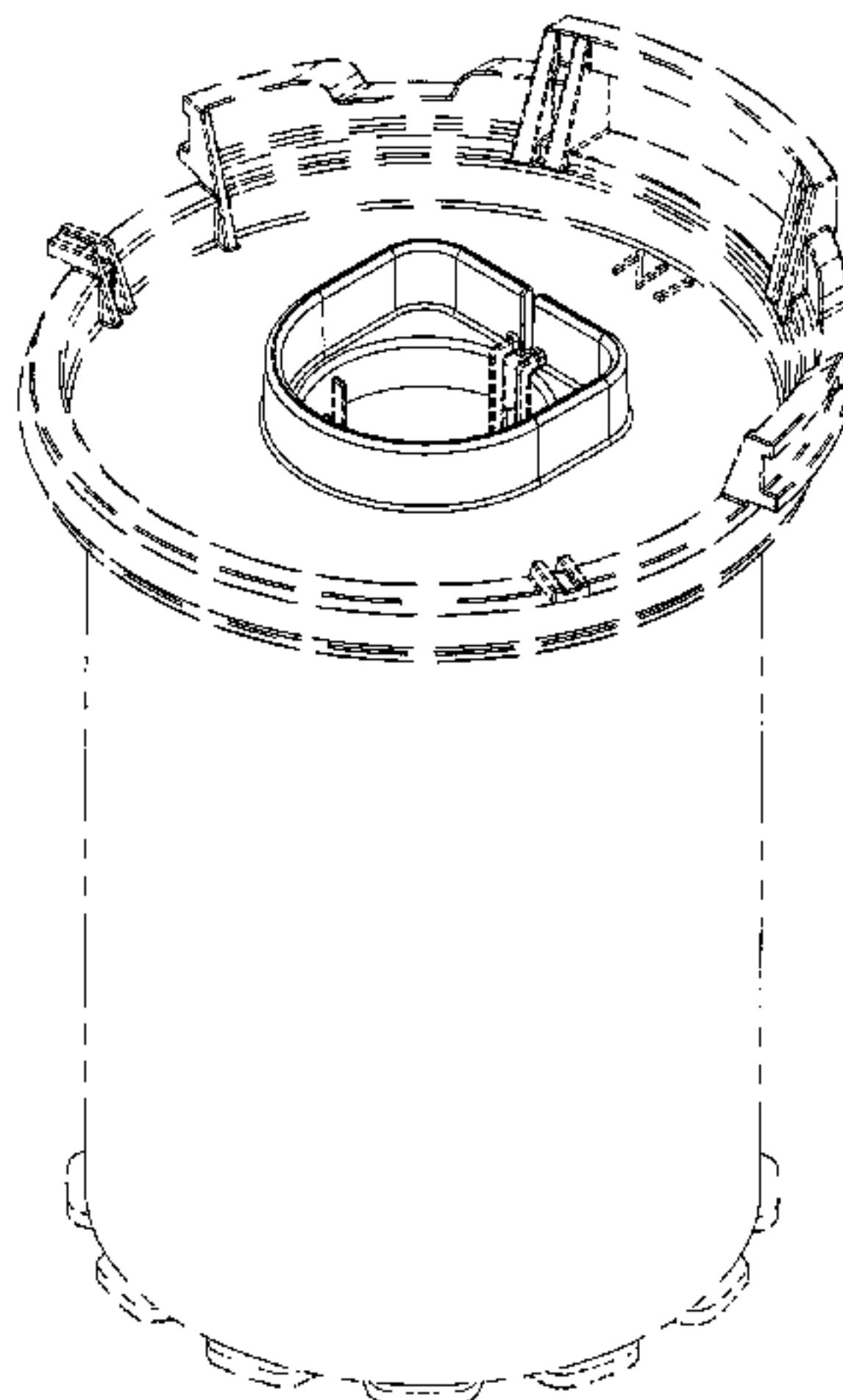
FIG. 5 is a third side elevational view of the cartridge depicted in FIG. 1;

FIG. 6 is a fourth side elevational view of the cartridge depicted in FIG. 1, the view of FIG. 6 being opposite that of FIG. 5;

FIG. 7 is a top plan view of the cartridge depicted in FIG. 1; and,

FIG. 8 is a bottom plan view of the cartridge depicted in FIG. 1.

1 Claim, 8 Drawing Sheets



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U.S. PATENT DOCUMENTS

D447,549 S * 9/2001 Gieseke et al. D23/365
6,290,739 B1 9/2001 Gieseke et al.
6,355,076 B2 3/2002 Gieseke et al.
D463,541 S * 9/2002 Thomas D23/365
D466,520 S 12/2002 Brent et al.
D467,939 S 12/2002 Golan
6,530,969 B2 3/2003 Gieseke et al.
6,540,801 B2 4/2003 Gieseke et al.
D475,129 S * 5/2003 Ward et al. D23/365
D476,725 S 7/2003 Dushek et al.
D477,659 S * 7/2003 Gieseke et al. D23/365
D485,339 S * 1/2004 Klug et al. D23/365
6,758,873 B2 7/2004 Gieseke et al.
D497,202 S 10/2004 Carter et al.
6,852,148 B2 2/2005 Gieseke et al.
D505,999 S * 6/2005 Song D23/364
D513,314 S * 12/2005 Iddings et al. D23/365
D520,127 S * 5/2006 Khalil D23/365
D521,137 S * 5/2006 Khalil D23/365
7,081,145 B2 7/2006 Gieseke et al.
D533,265 S * 12/2006 Fiello et al. D23/365
7,182,804 B2 2/2007 Gieseke et al.
D541,399 S * 4/2007 Khalil D23/365
2002/0170279 A1 11/2002 Gustafson et al.
2003/0046914 A1 * 3/2003 Zia et al. 55/502

2003/0051455 A1 3/2003 Gieseke et al.
2005/0193694 A1 9/2005 Gieseke et al.
2006/0086075 A1 4/2006 Scott et al.
2009/0071111 A1 3/2009 Lundgren et al.

FOREIGN PATENT DOCUMENTS

EP 1 144 079 11/2004
GB 2 033 247 5/1980
WO WO 2002/076575 10/2002
WO WO 2005/105266 11/2005
WO WO 2006/050114 5/2006
WO WO 2006/084282 8/2006
WO WO 2007/009040 1/2007
WO WO 2007/053411 5/2007
WO WO 2007/053411 A2 5/2007
WO WO 2008/115985 9/2008
WO WO 2008/157251 12/2008
WO WO 2009/018454 2/2009

OTHER PUBLICATIONS

Exhibit B—Pending drawings corresponding to U.S. Appl. No. 29/308,207.

Exhibit C—Search Report and Written Opinion corresponding to PCT/US2008/054793.

* cited by examiner

FIG. 1

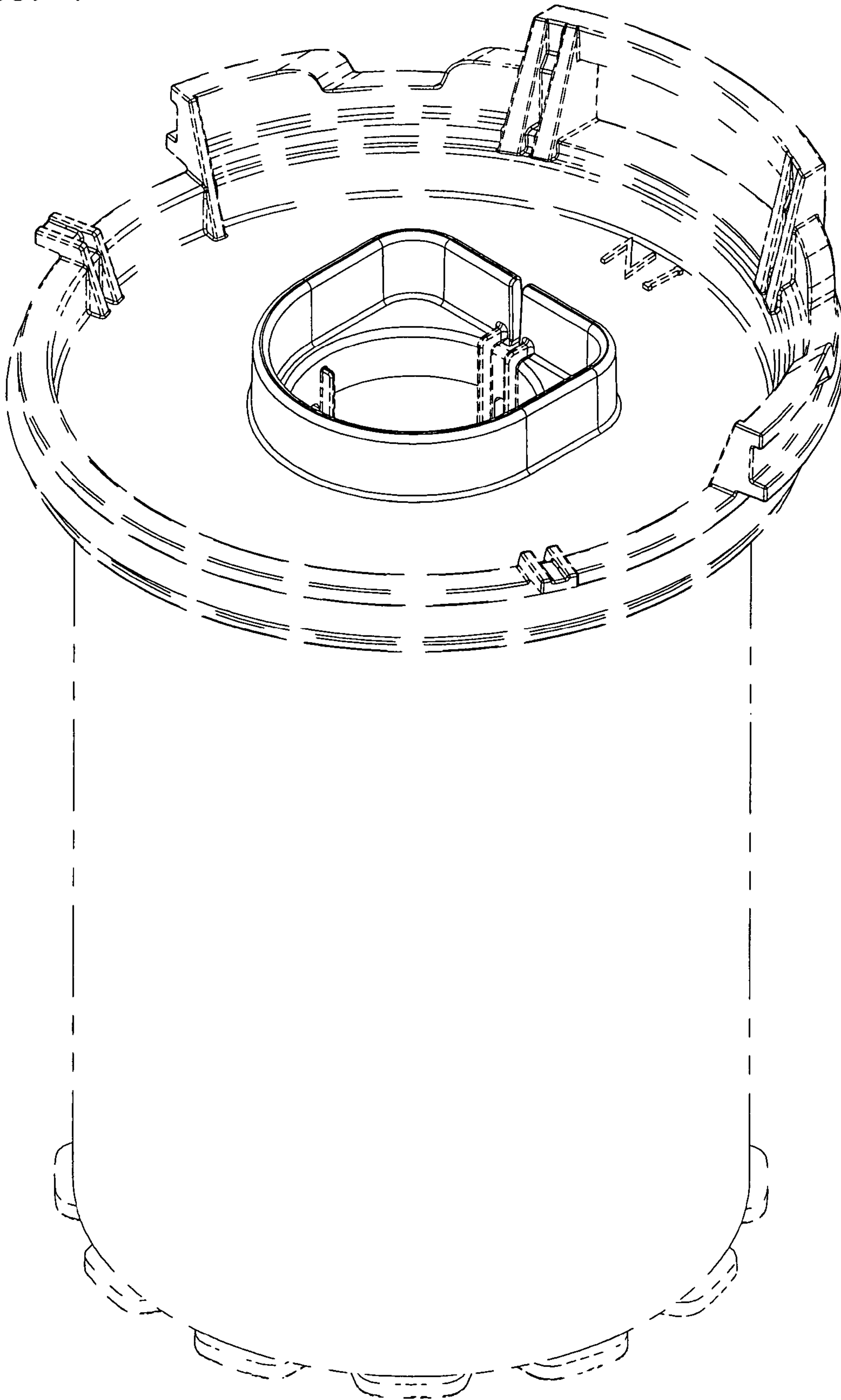


FIG. 2

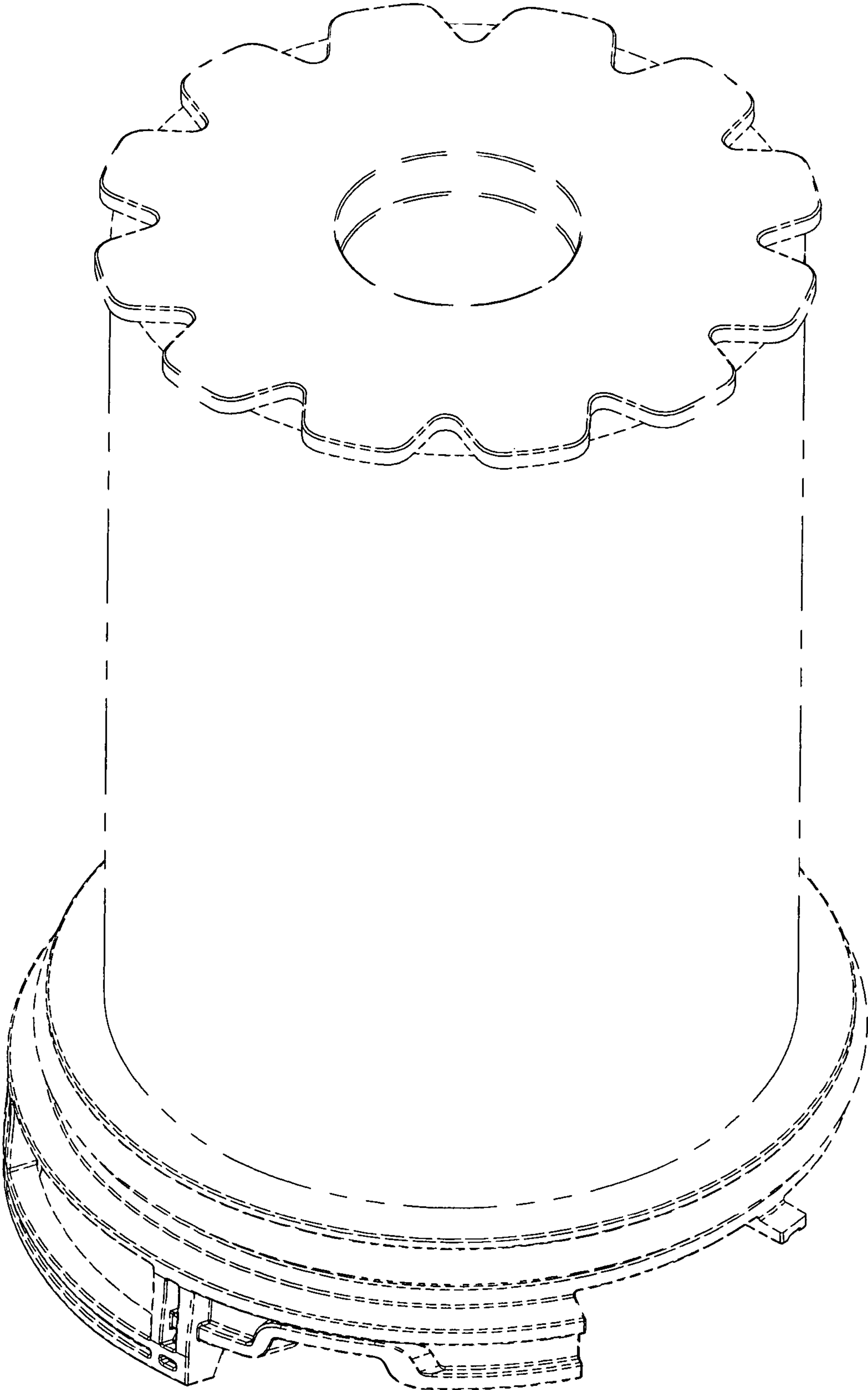


FIG. 3

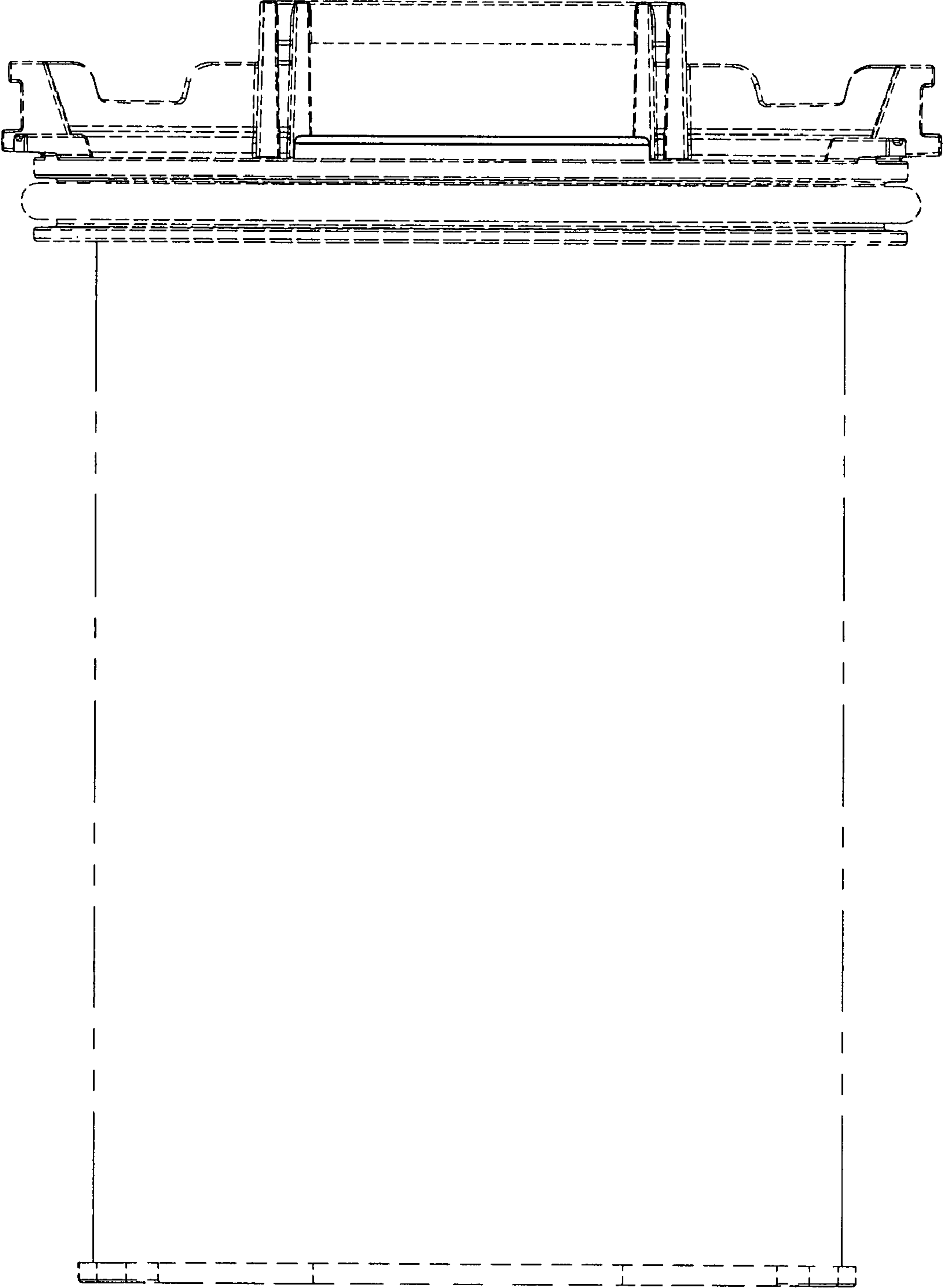


FIG. 4

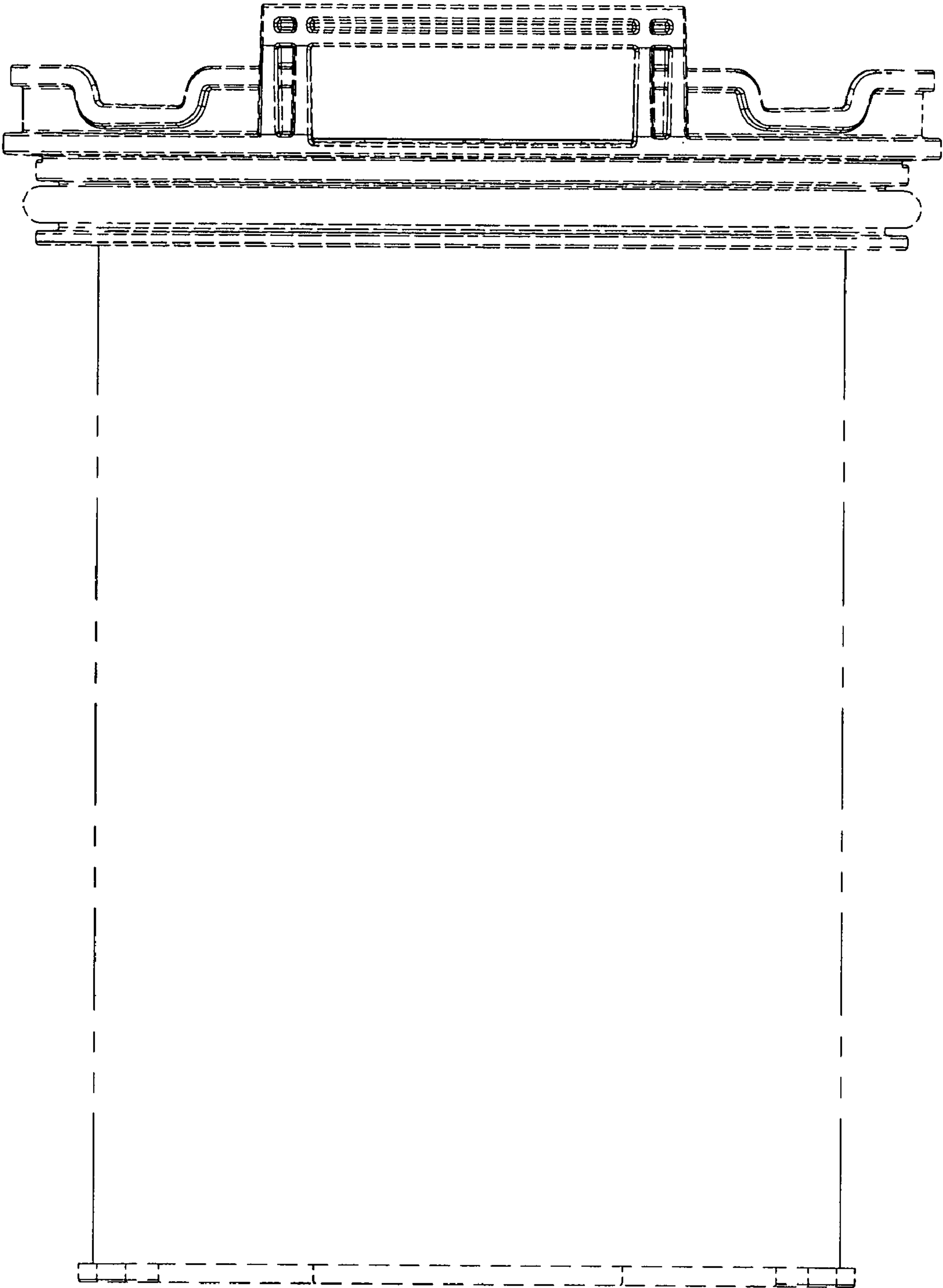


FIG. 5

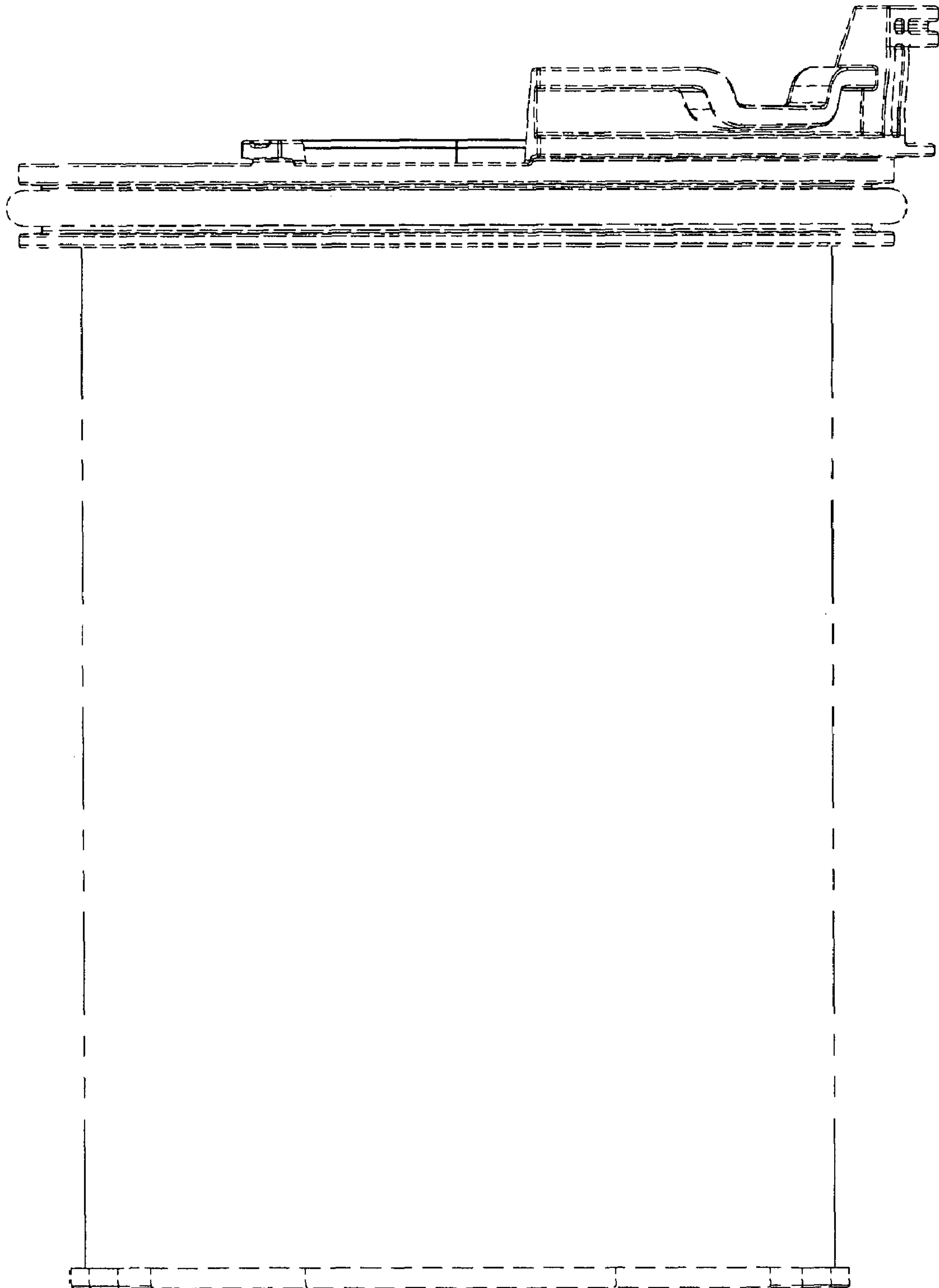


FIG. 6

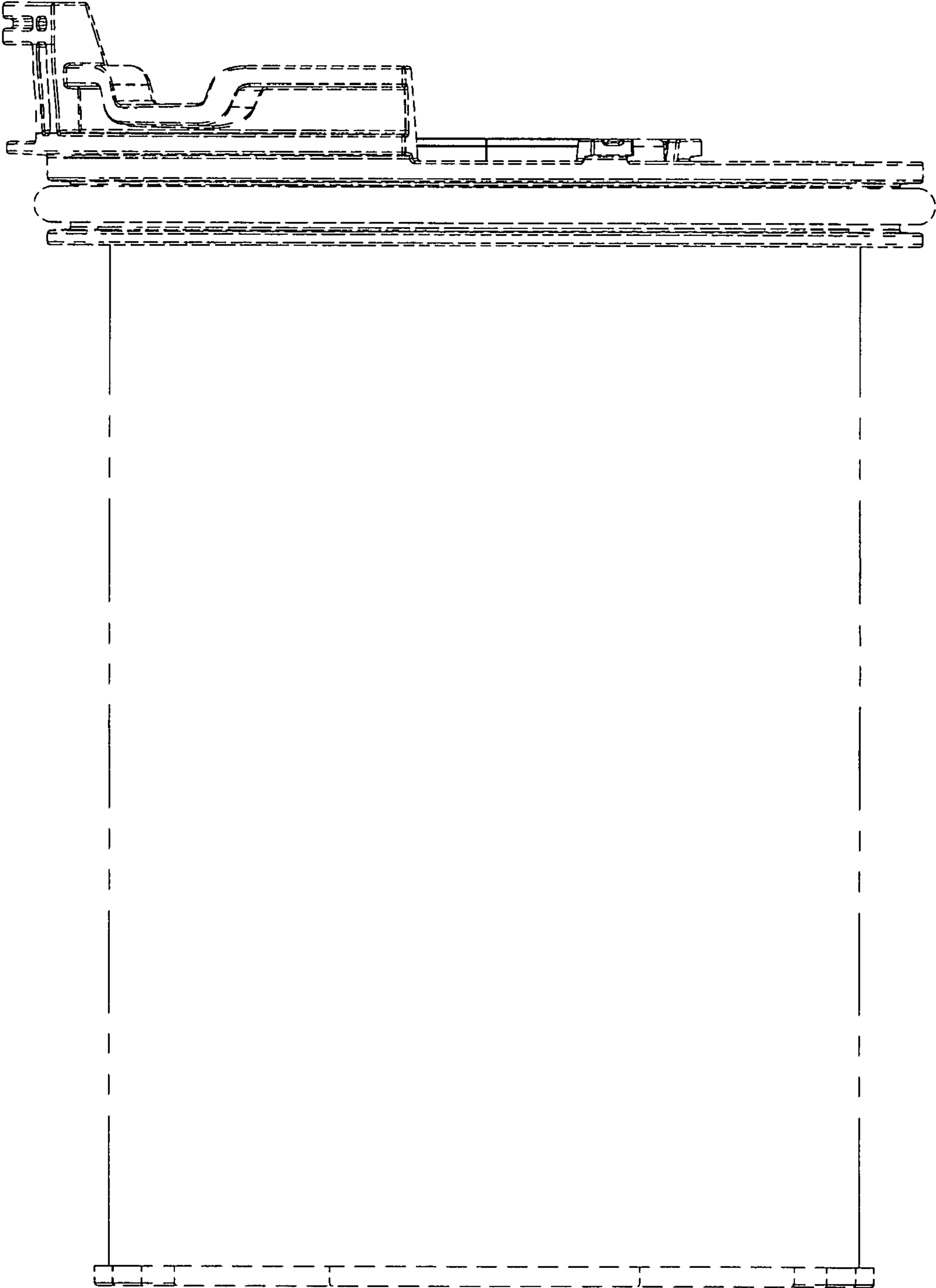


FIG. 7

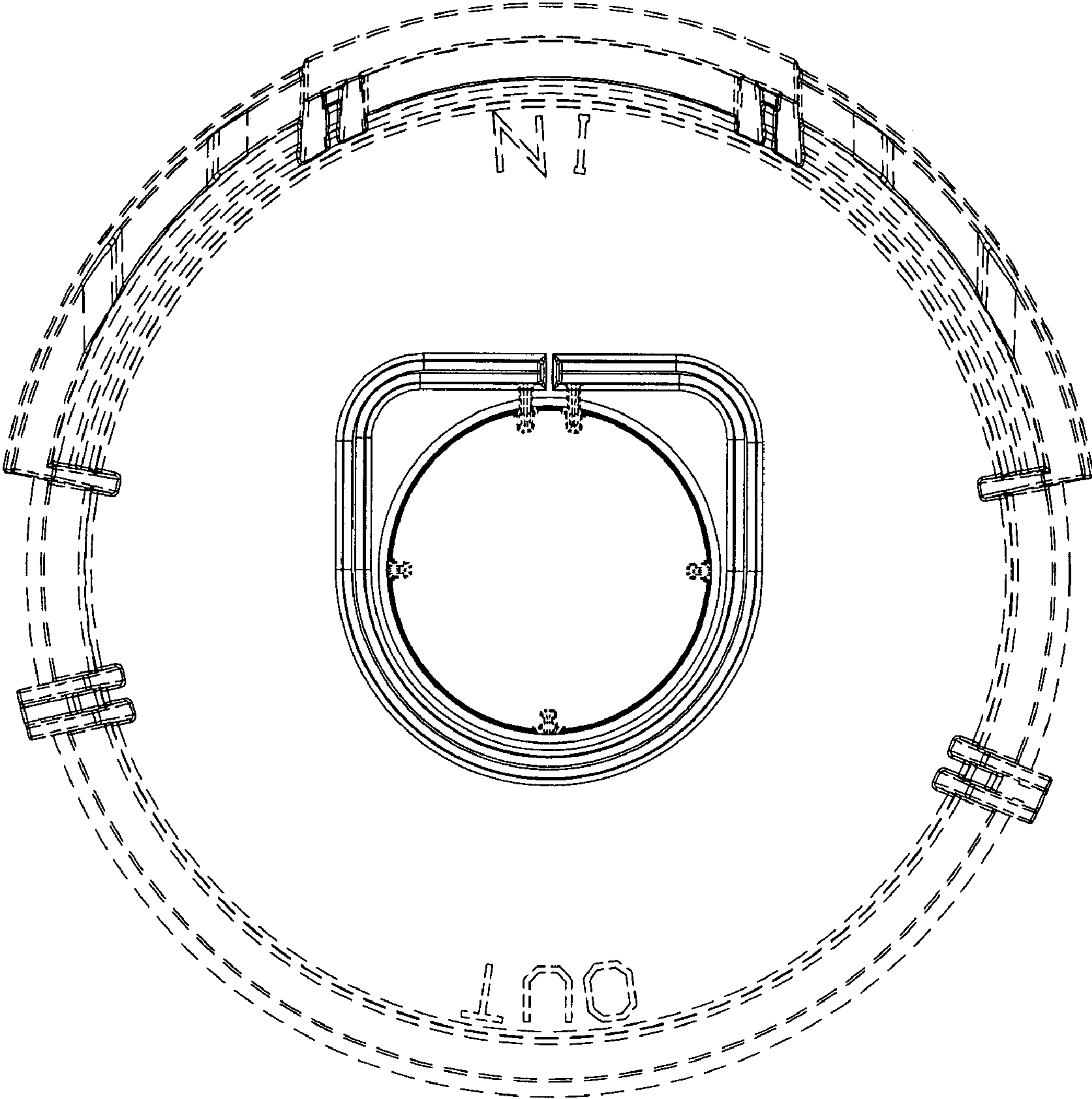


FIG. 8

