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**Casbeer et al.**

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(54) **ELECTROCOAGULATION REACTOR**

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

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(51) **LOC (10) Cl.** ..... **23-01**

(52) **U.S. Cl.**  
USPC ..... **D23/207**

(58) **Field of Classification Search**  
USPC ..... D23/207, 209; 205/744; 204/268, 278.5  
CPC ..... C25B 9/063; C02F 1/46104  
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,669,869	A	6/1972	Burton	
D304,610	S *	11/1989	Conaway	D23/205
5,094,739	A *	3/1992	Kump	C02F 1/385
				204/248
5,753,100	A *	5/1998	Lumsden	C02F 1/4606
				204/272
6,270,650	B1 *	8/2001	Kazi	C02F 1/46104
				204/242
6,350,385	B1 *	2/2002	Holt	C02F 1/46104
				204/273
D554,735	S *	11/2007	Orritt	D23/207
8,147,661	B2 *	4/2012	Moon	C25B 1/08
				204/267

D756,484	S *	5/2016	Johnson	D23/209
D764,017	S *	8/2016	McMahon	D23/209
9,403,699	B2 *	8/2016	Matsuyama	C02F 1/46104
2003/0183516	A1	10/2003	Klose	
2004/0099607	A1	5/2004	Leffler et al.	
2012/0068167	A1	3/2012	Sako et al.	
2012/0103797	A1	5/2012	Hermann	

FOREIGN PATENT DOCUMENTS

WO	9943617	A1	9/1999
WO	2011159941	A1	12/2011

OTHER PUBLICATIONS

WIPO Search Report and Written Opinion dated Dec. 17, 2015 for related co-pending PCT app. No. PCT/US15/53162.

\* cited by examiner

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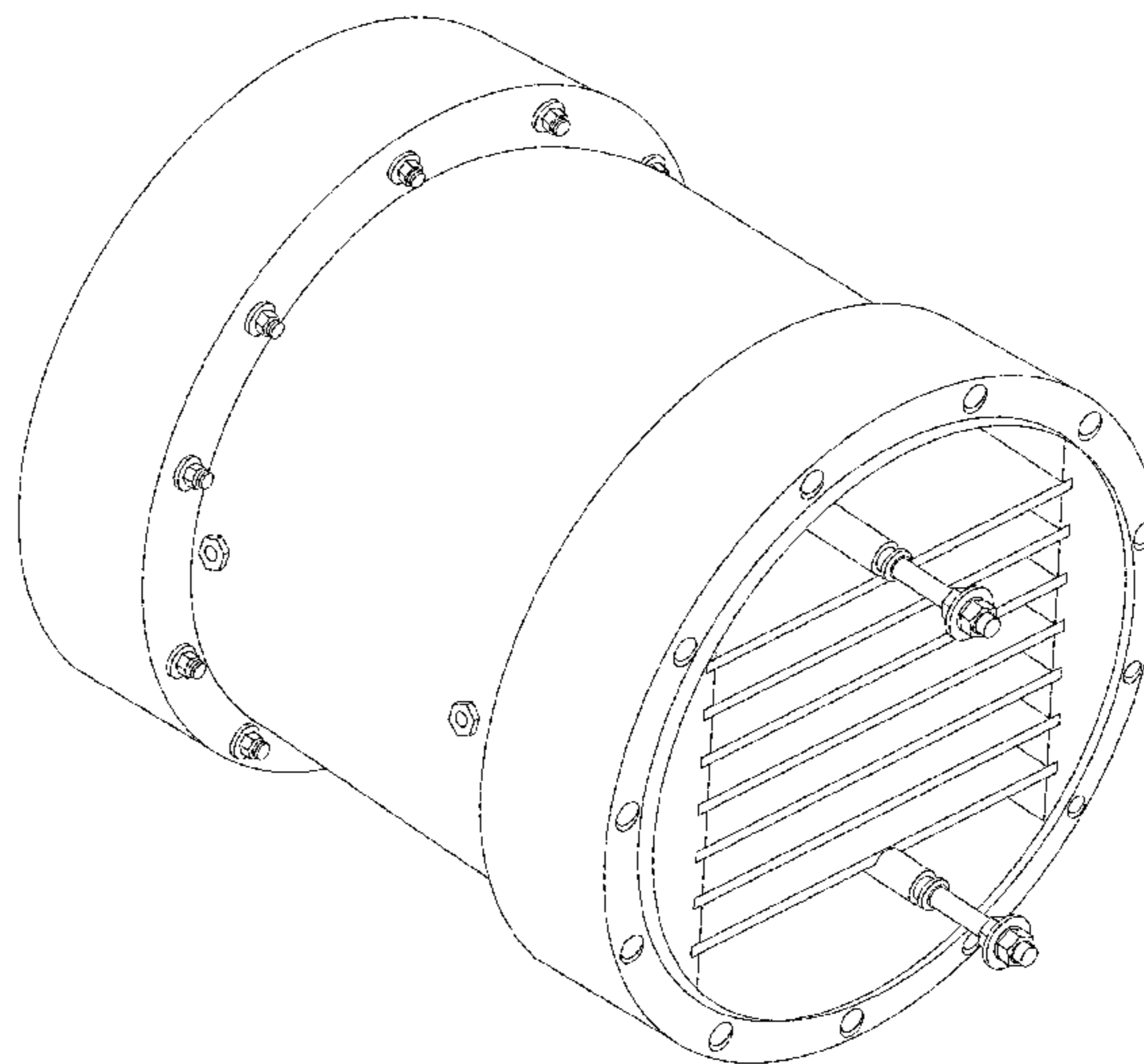
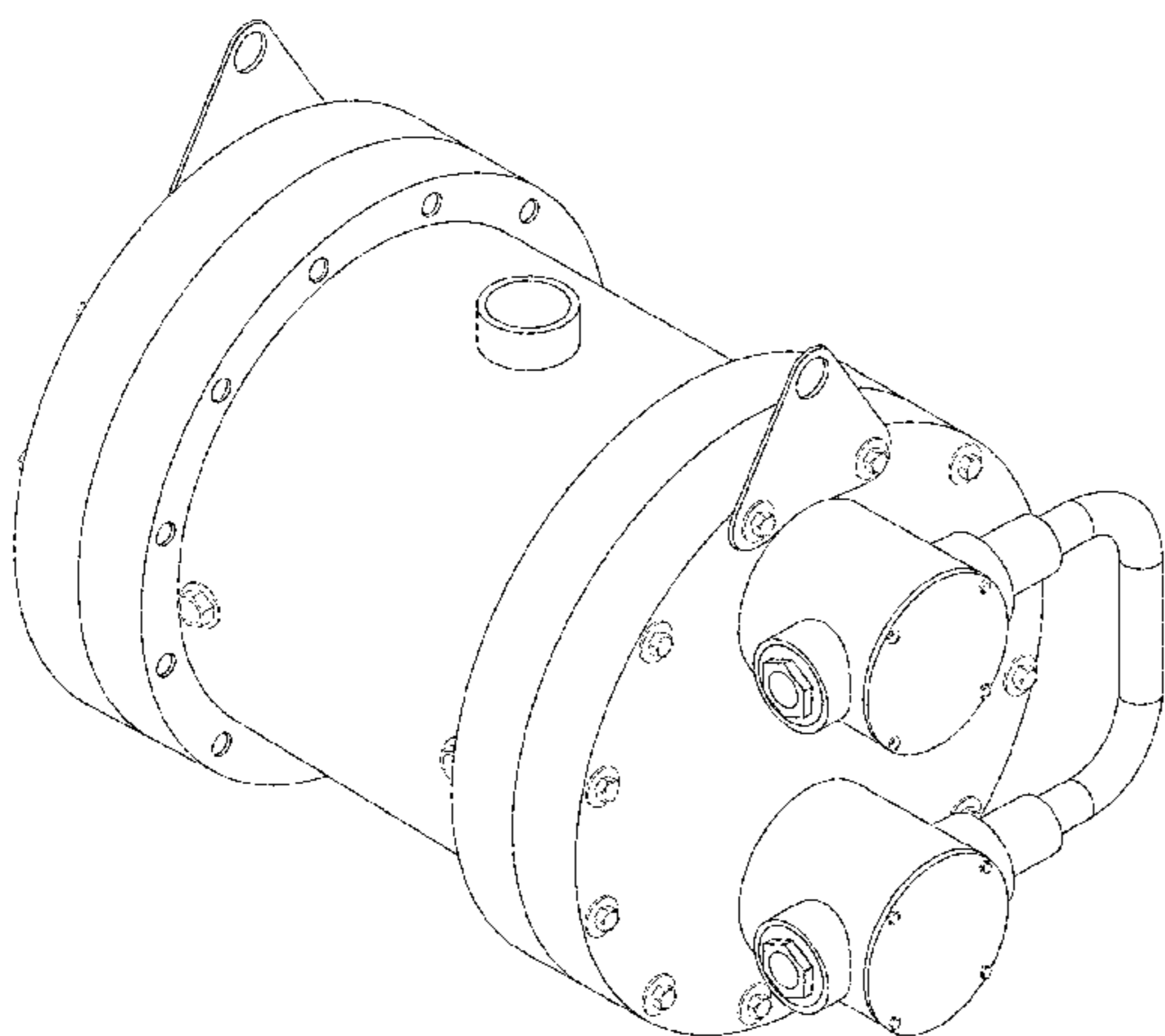
(57) **CLAIM**

The ornamental design for an electrocoagulation reactor, as shown and described.

**DESCRIPTION**

FIG. 1 is a side view of an electrocoagulation reactor showing our new design;  
FIG. 2 is a perspective view thereof;  
FIG. 3 is a front view of a cover thereof;  
FIG. 4 is a perspective view thereof, with the cover removed;  
FIG. 5 is a front view of the electrocoagulation reactor as shown in FIG. 4, wherein the electrodes have been removed from the electrode stack; and,  
FIG. 6 is a perspective view of the electrode stack comprising electrode plates.

**1 Claim, 6 Drawing Sheets**



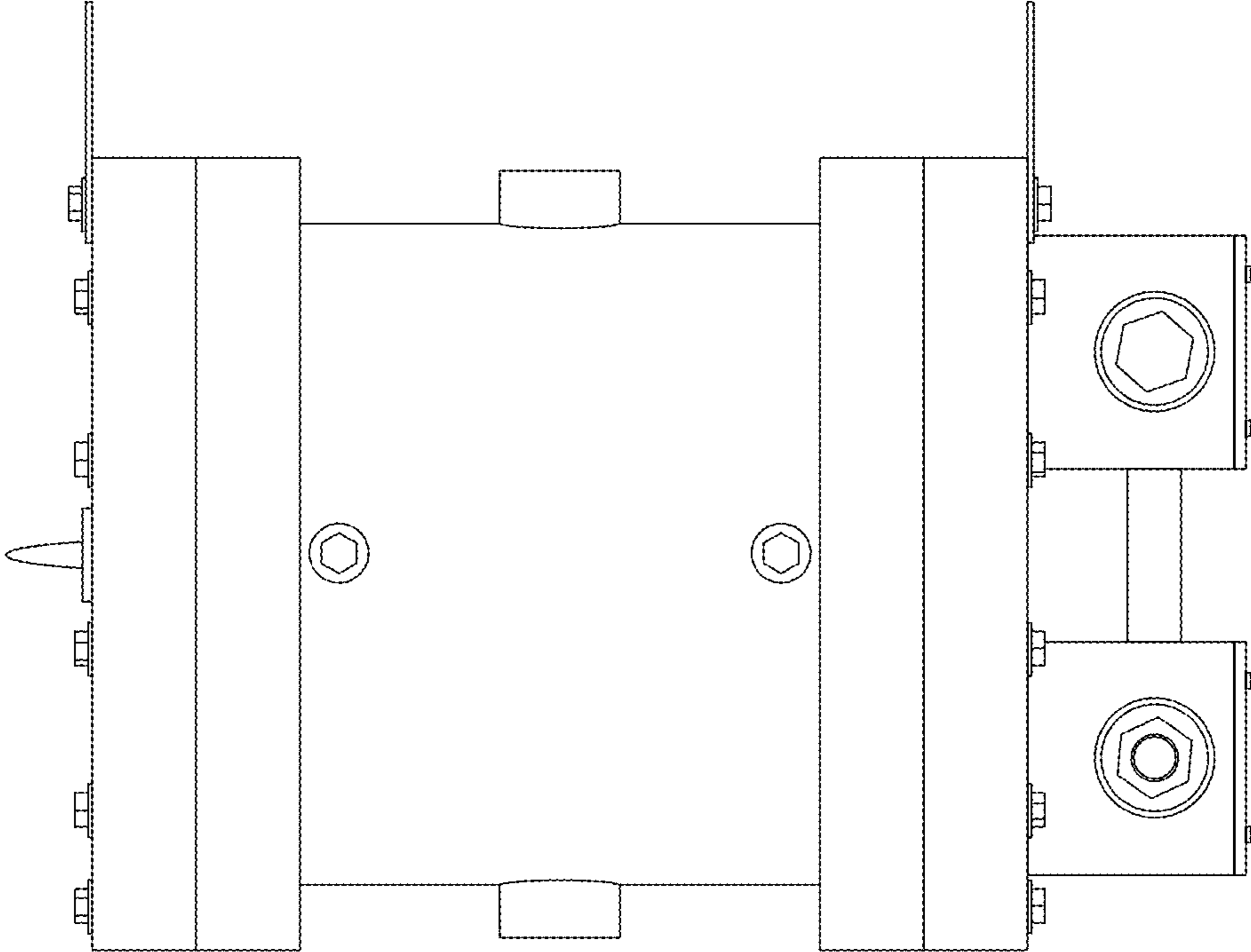


FIG. 1

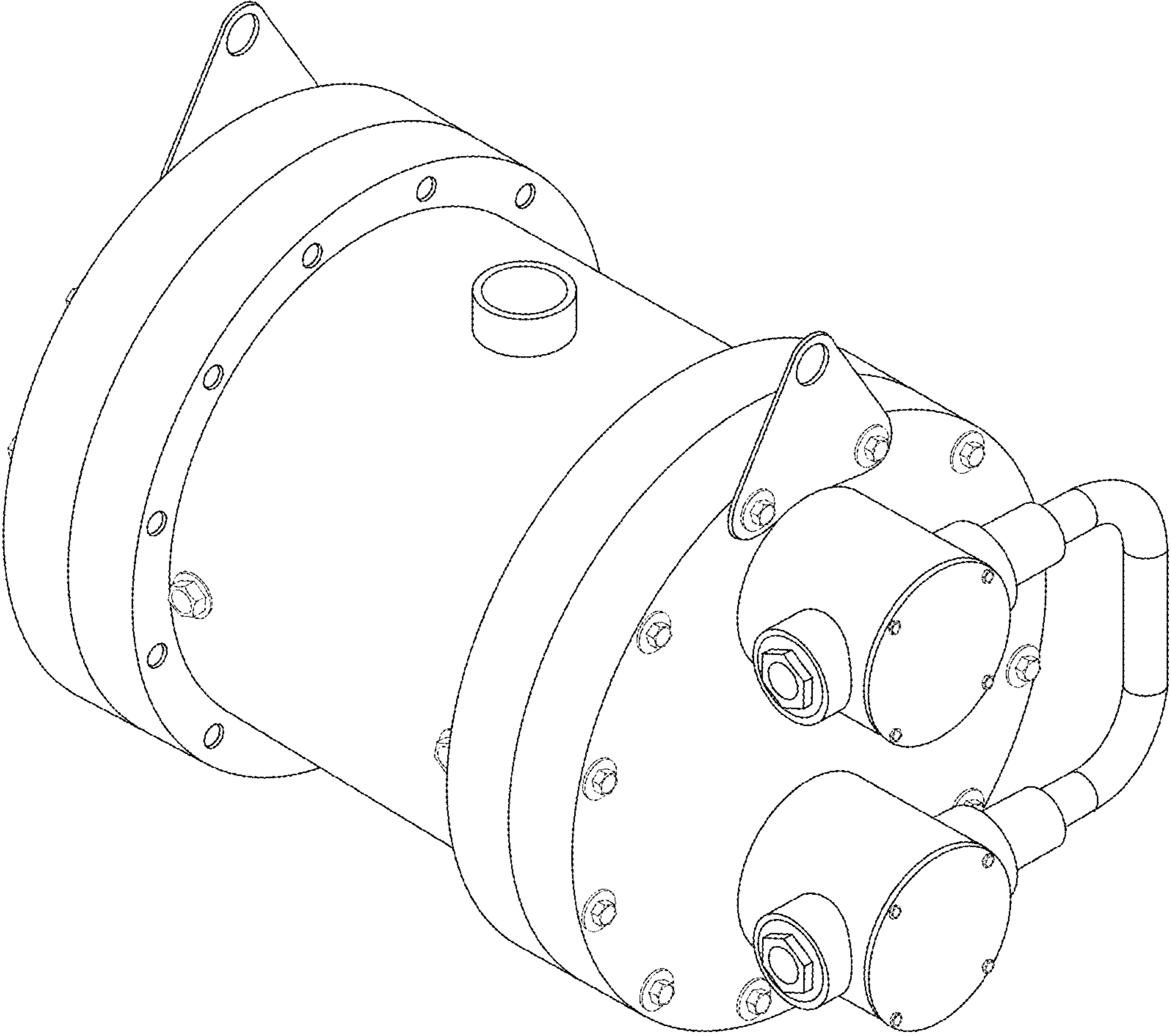


FIG. 2

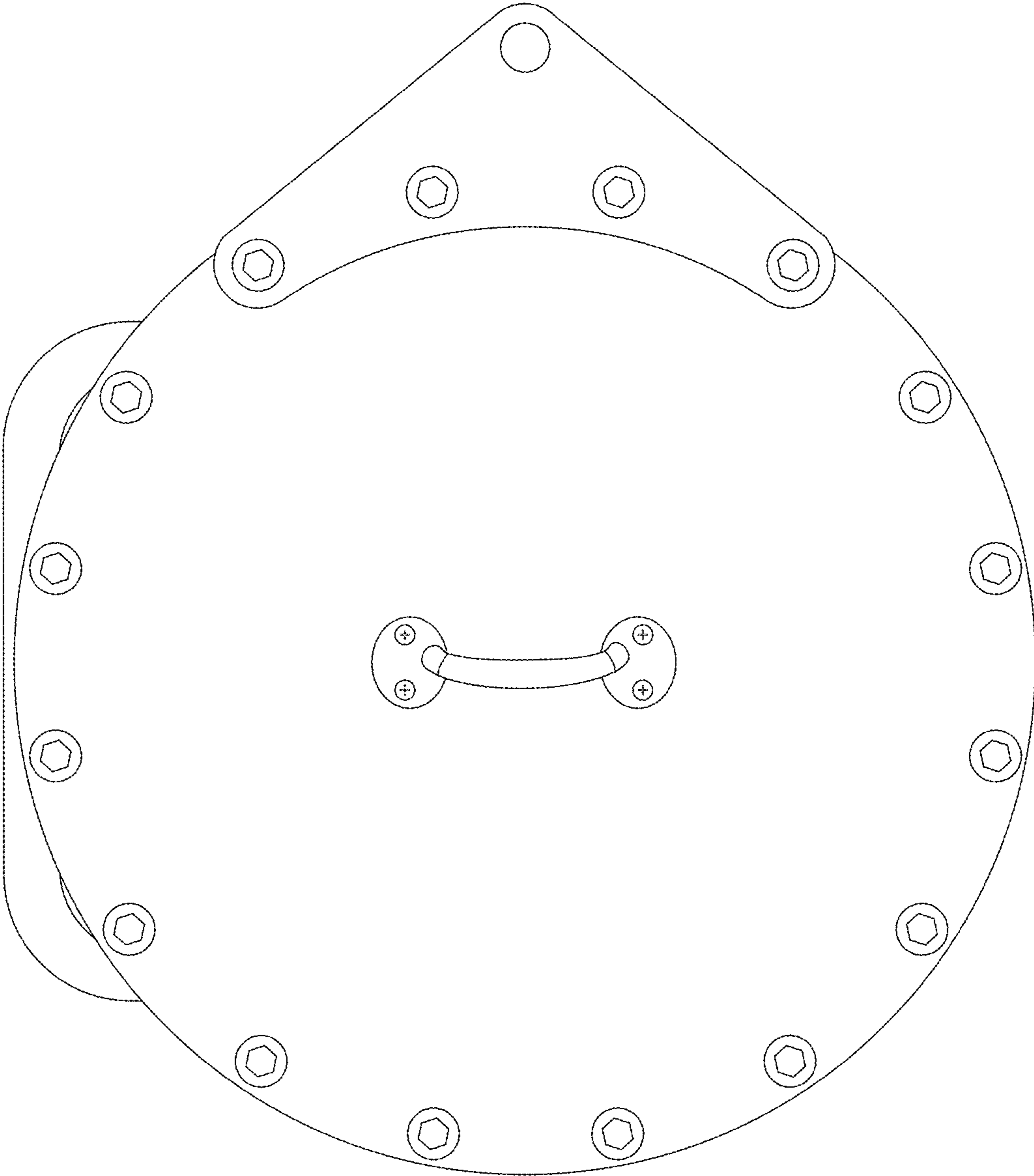


FIG. 3

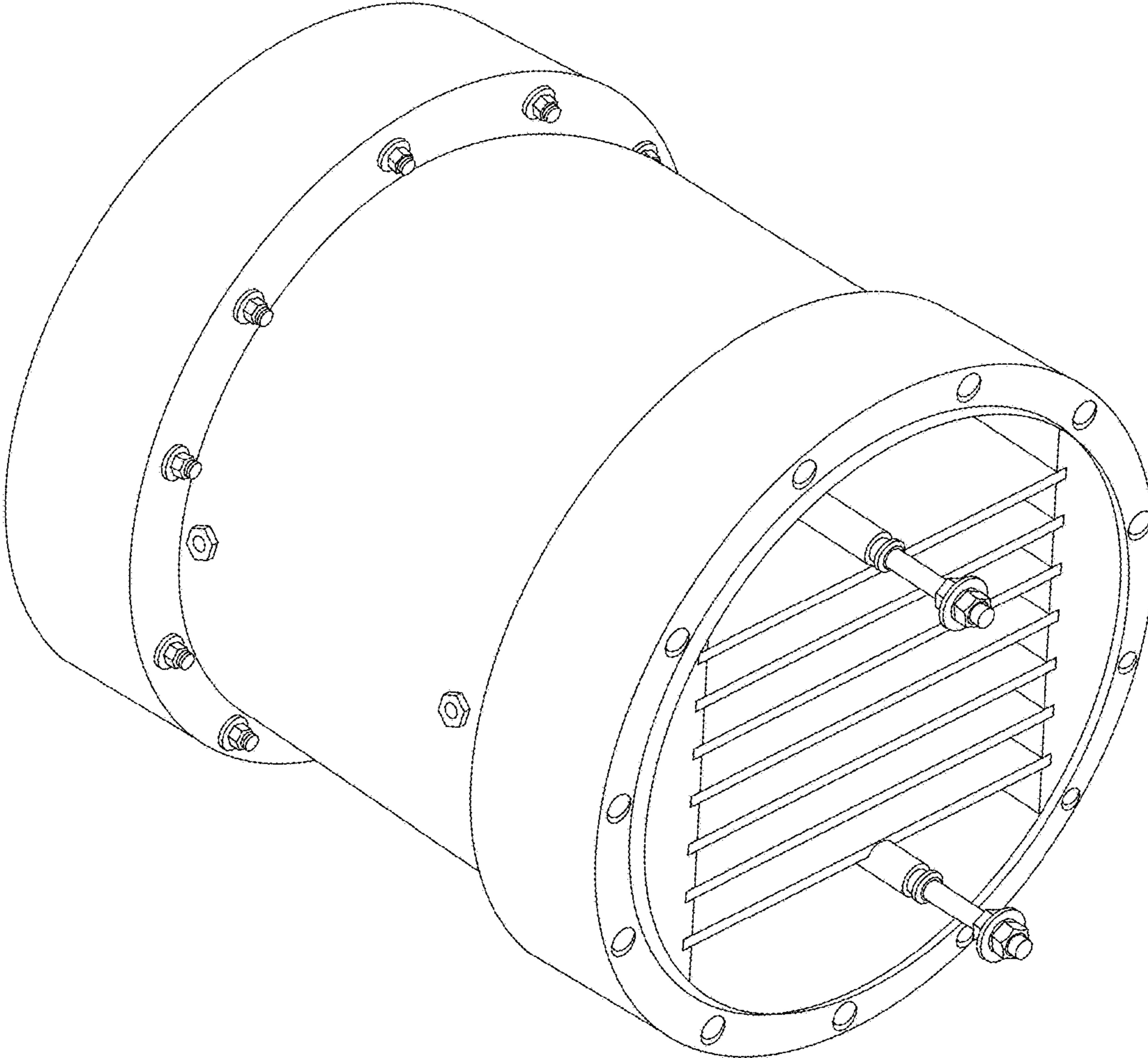


FIG. 4

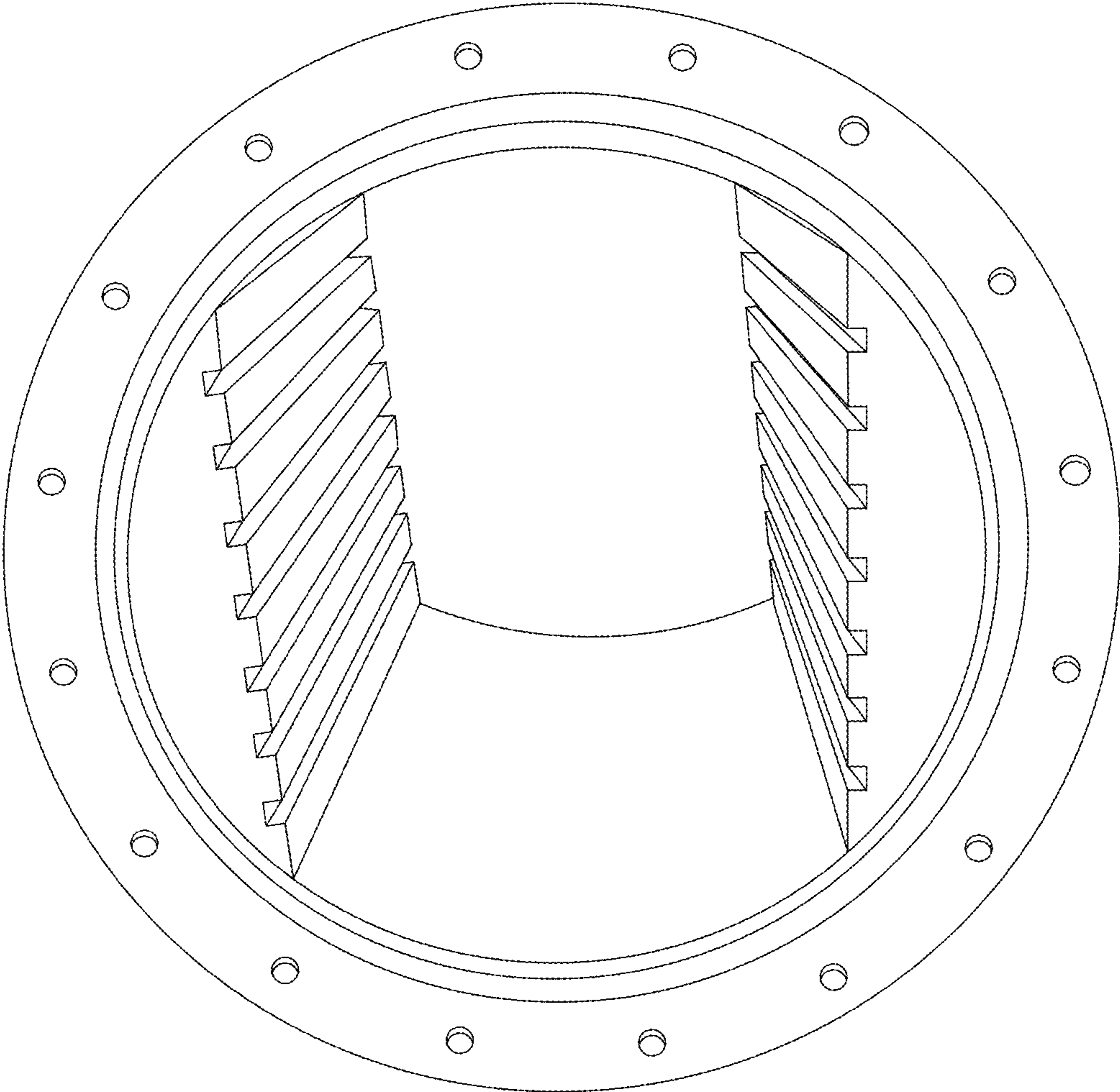


FIG. 5

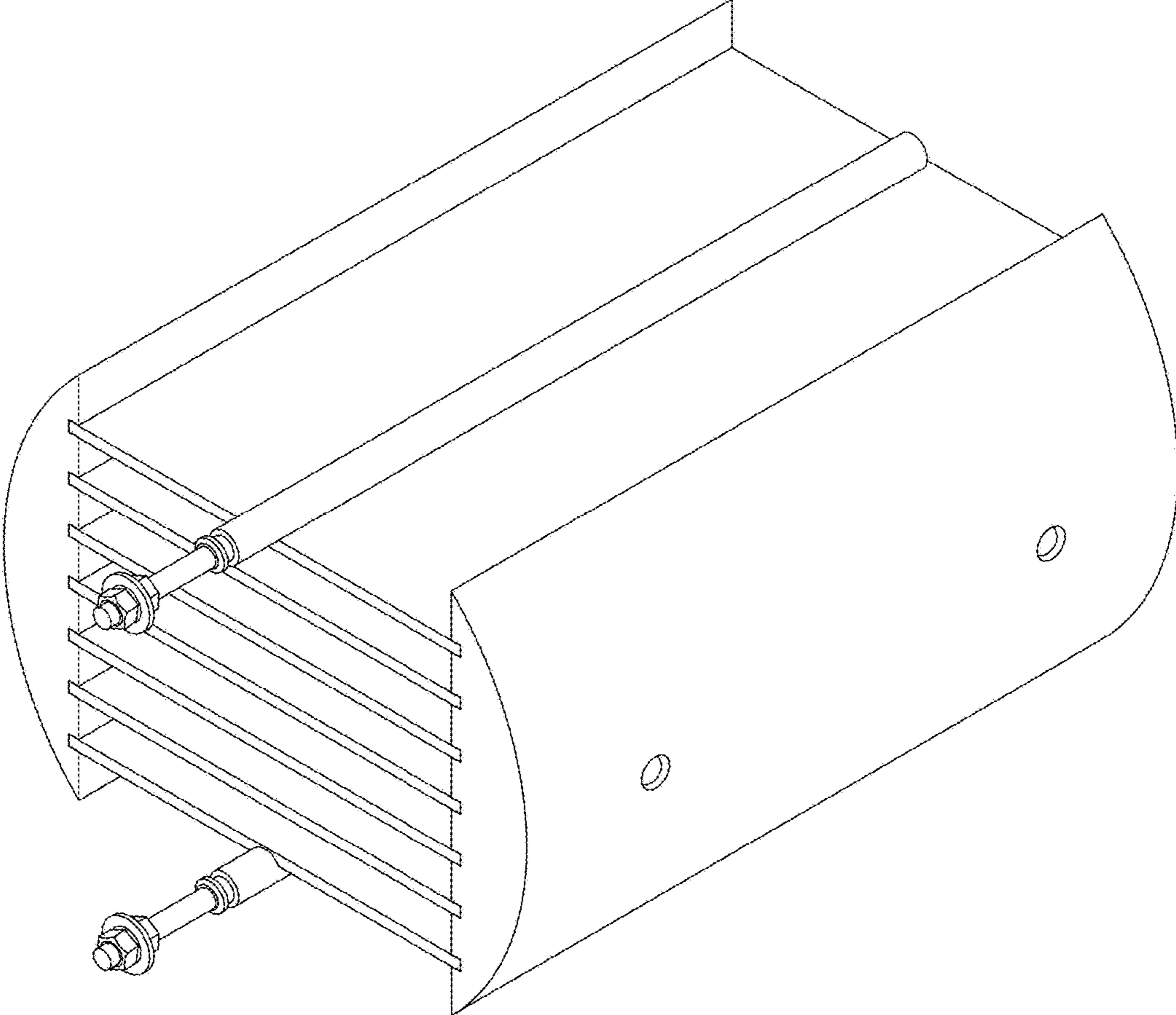


FIG. 6