



US00D778458S

(12) **United States Design Patent** (10) **Patent No.:** **US D778,458 S**
Tateno et al. (45) **Date of Patent:** **** Feb. 7, 2017**

- (54) **REACTION TUBE**
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- (73) Assignee: **HITACHI KOKUSAI ELECTRIC INC.**, Tokyo (JP)
- (**) Term: **15 Years**
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- (30) **Foreign Application Priority Data**
Feb. 23, 2015 (JP) 2015-003570
- (51) **LOC (10) Cl.** **24-02**
- (52) **U.S. Cl.**
USPC **D24/224**
- (58) **Field of Classification Search**
USPC D24/224, 217, 216, 228, 229, 230, 231, 232; 422/296, 297, 300, 298; 285/22, 135.3, 134.4, 139.2, 139.3; 137/241, 238; D13/182; 118/724
CPC A61L 2/00; A61L 2/0082; A61L 2/0094; A61L 2/0088
See application file for complete search history.

- (56) **References Cited**
U.S. PATENT DOCUMENTS
D405,062 S * 2/1999 Shimazu D13/182
D405,431 S * 2/1999 Shimazu D13/182
6,867,393 B1 * 3/2005 Lewis A61L 11/00
219/401
D569,008 S * 5/2008 Lundqvist D24/232
D586,768 S * 2/2009 Inoue D13/182
D600,659 S * 9/2009 Matsuura D13/182
D618,638 S * 6/2010 Nakashima D13/182

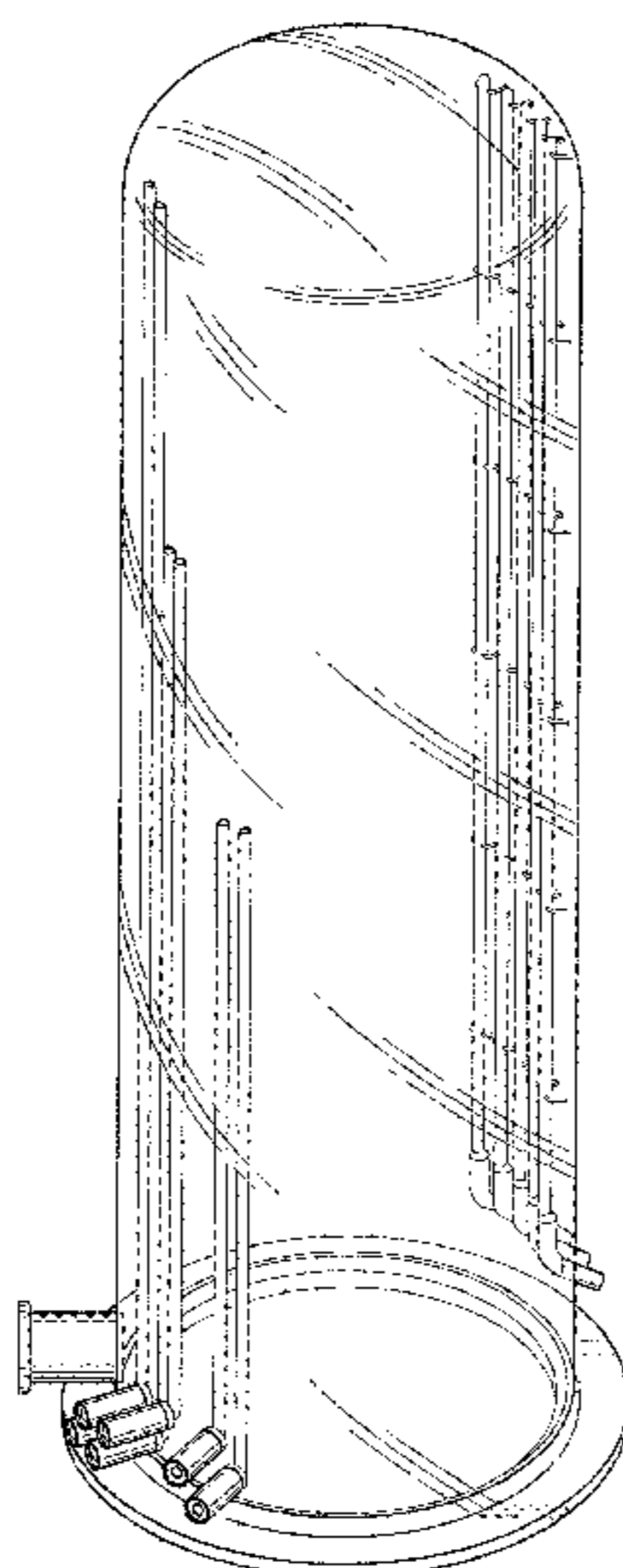
D711,843 S *	8/2014	Yamazaki	.....	D13/182
D719,114 S *	12/2014	Yamazaki	.....	D13/182
D720,707 S *	1/2015	Yamazaki	.....	D13/182
D725,055 S *	3/2015	Yamazaki	.....	D13/182
D739,832 S *	9/2015	Yamazaki	.....	D13/182
D742,339 S *	11/2015	Takagi	.....	D13/182
D748,594 S *	2/2016	Takagi	D13/182
2009/0250005 A1 *	10/2009	Kaneko	H01L 21/67109 118/724

* cited by examiner
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Assistant Examiner — Rebecca Tsehaye
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(57) **CLAIM**
We claim the ornamental design for a reaction tube, as shown and described.

DESCRIPTION
FIG. 1 is a perspective view of a reaction tube showing my new design;
FIG. 2 is a front elevational view thereof;
FIG. 3 is a rear elevational view thereof;
FIG. 4 is a left side elevational view thereof;
FIG. 5 is a right side elevational view thereof;
FIG. 6 is a top plan view thereof; and
FIG. 7 is a bottom plan view thereof.
FIG. 8 is a cross sectional view taken along line 8-8 in FIG. 6 thereof;
FIG. 9 is an enlarged cross sectional view taken along line 9-9 in FIG. 2 thereof;
FIG. 10 is an enlarged cross-sectional view taken along line 10-10 in FIG. 4 thereof;
FIG. 11 is an enlarged cross-sectional view taken along line 11-11 in FIG. 5 thereof; and,
FIG. 12 is an enlarged cross sectional view taken along line 12-12 in FIG. 9 thereof.

1 Claim, 10 Drawing Sheets



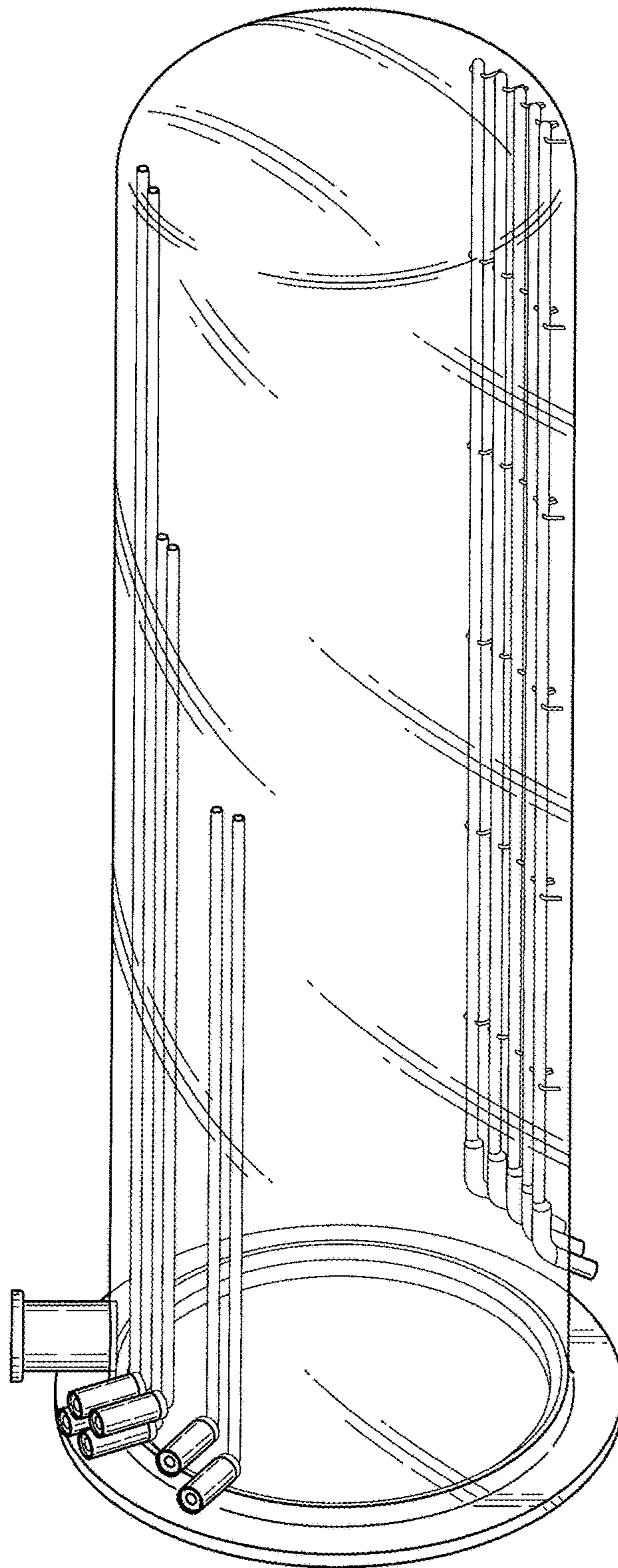


FIG. 1

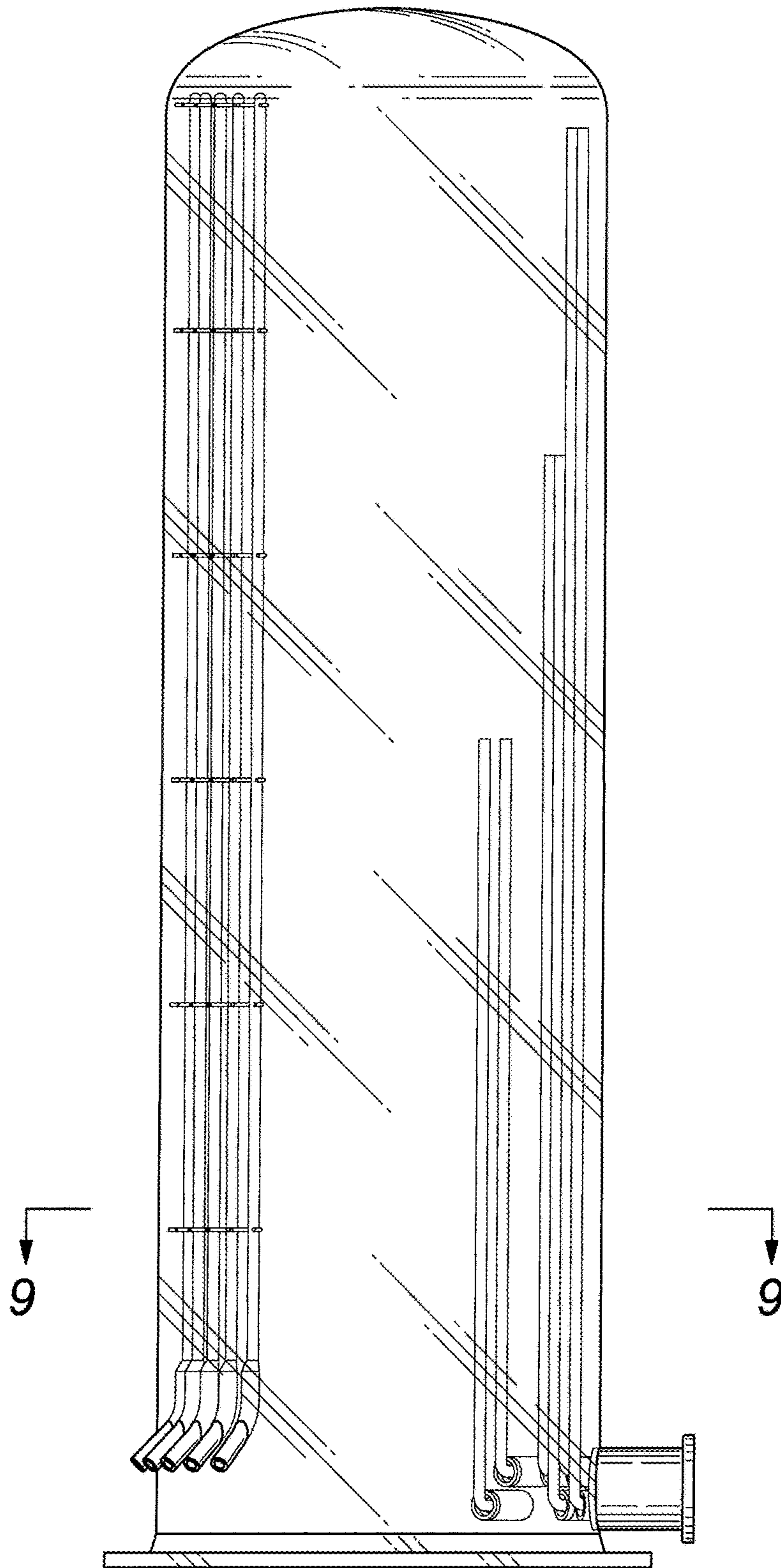


FIG. 2

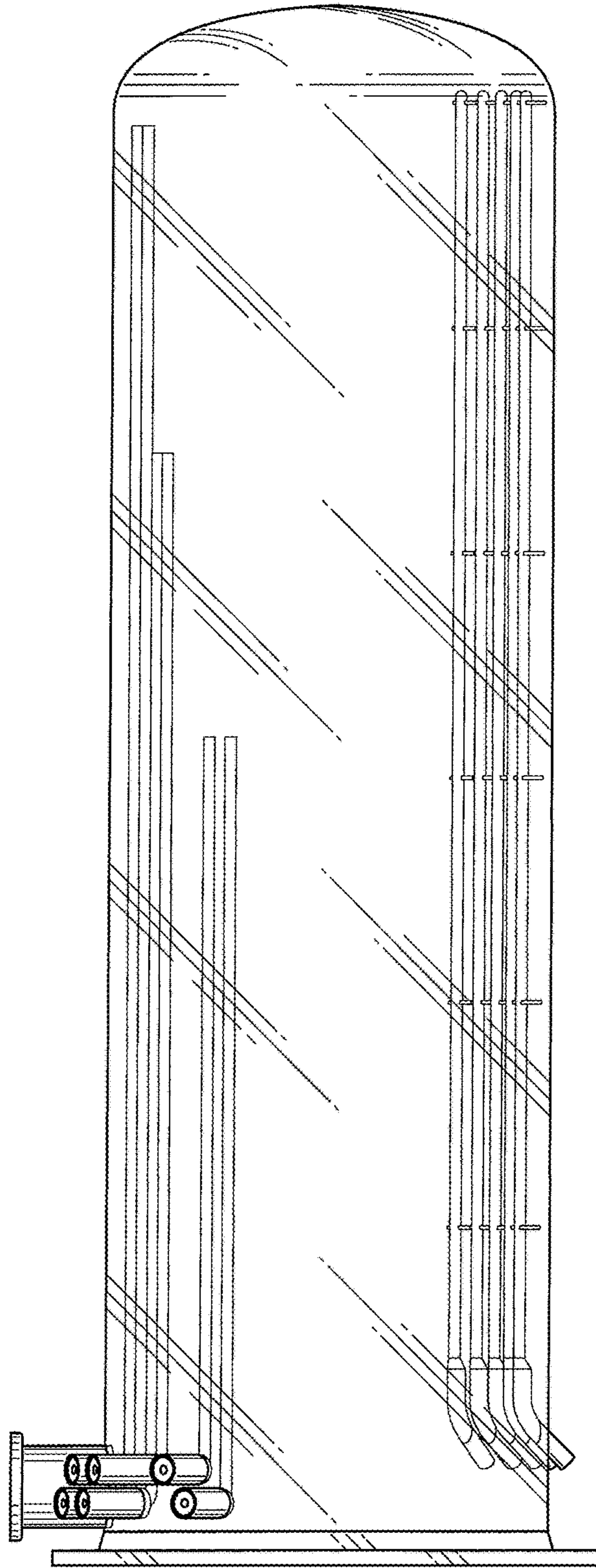


FIG. 3

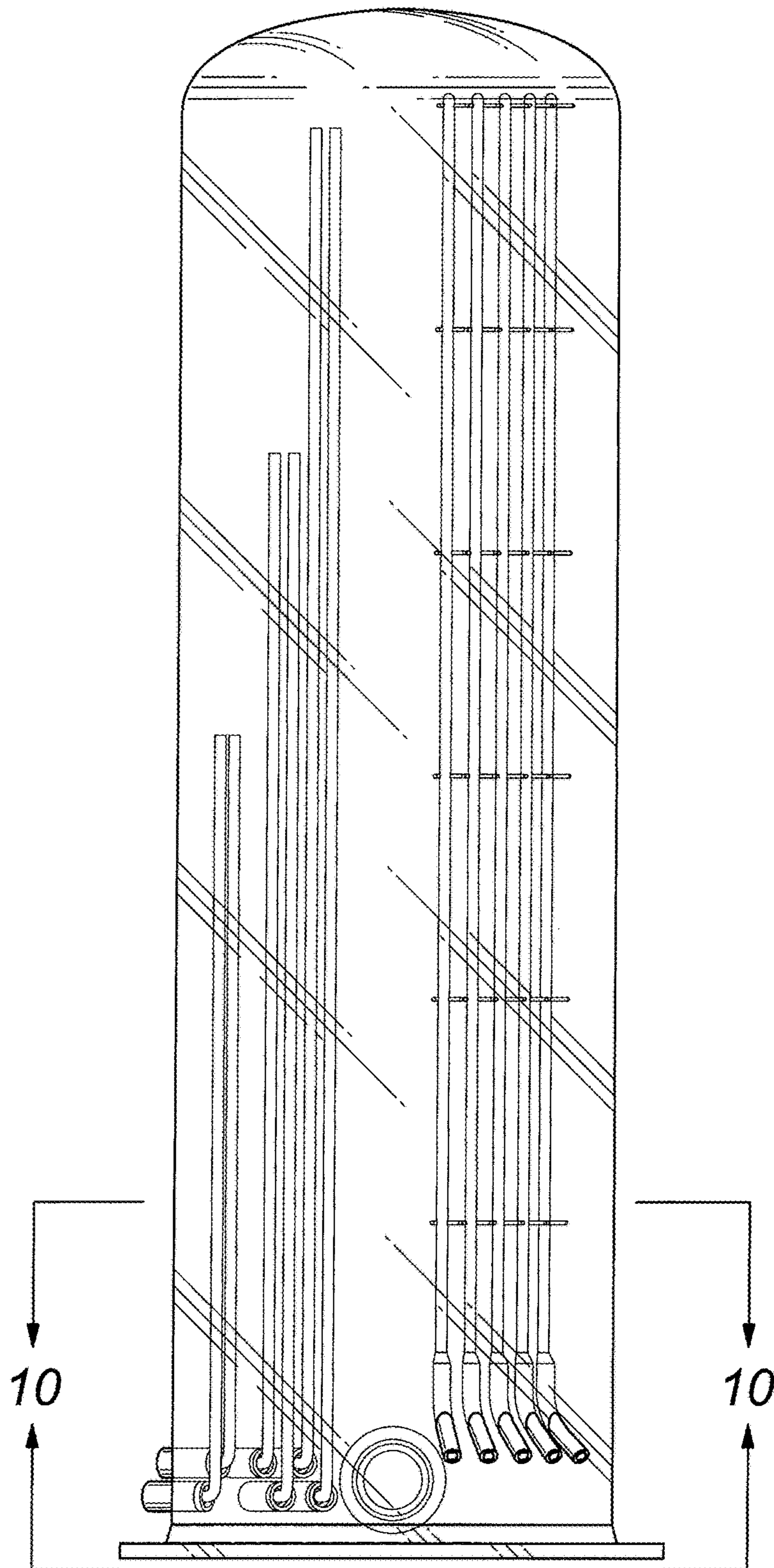


FIG. 4

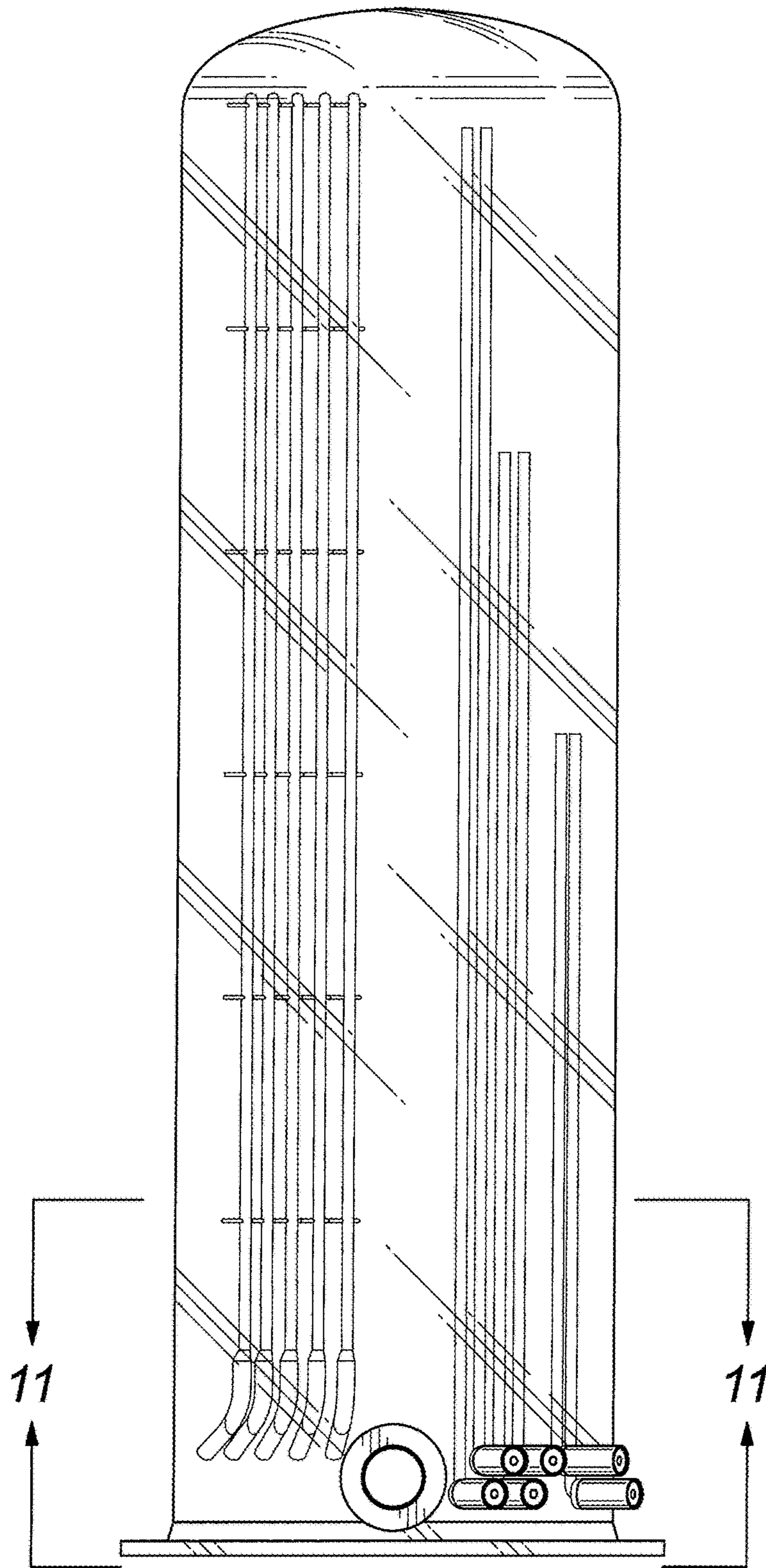


FIG. 5

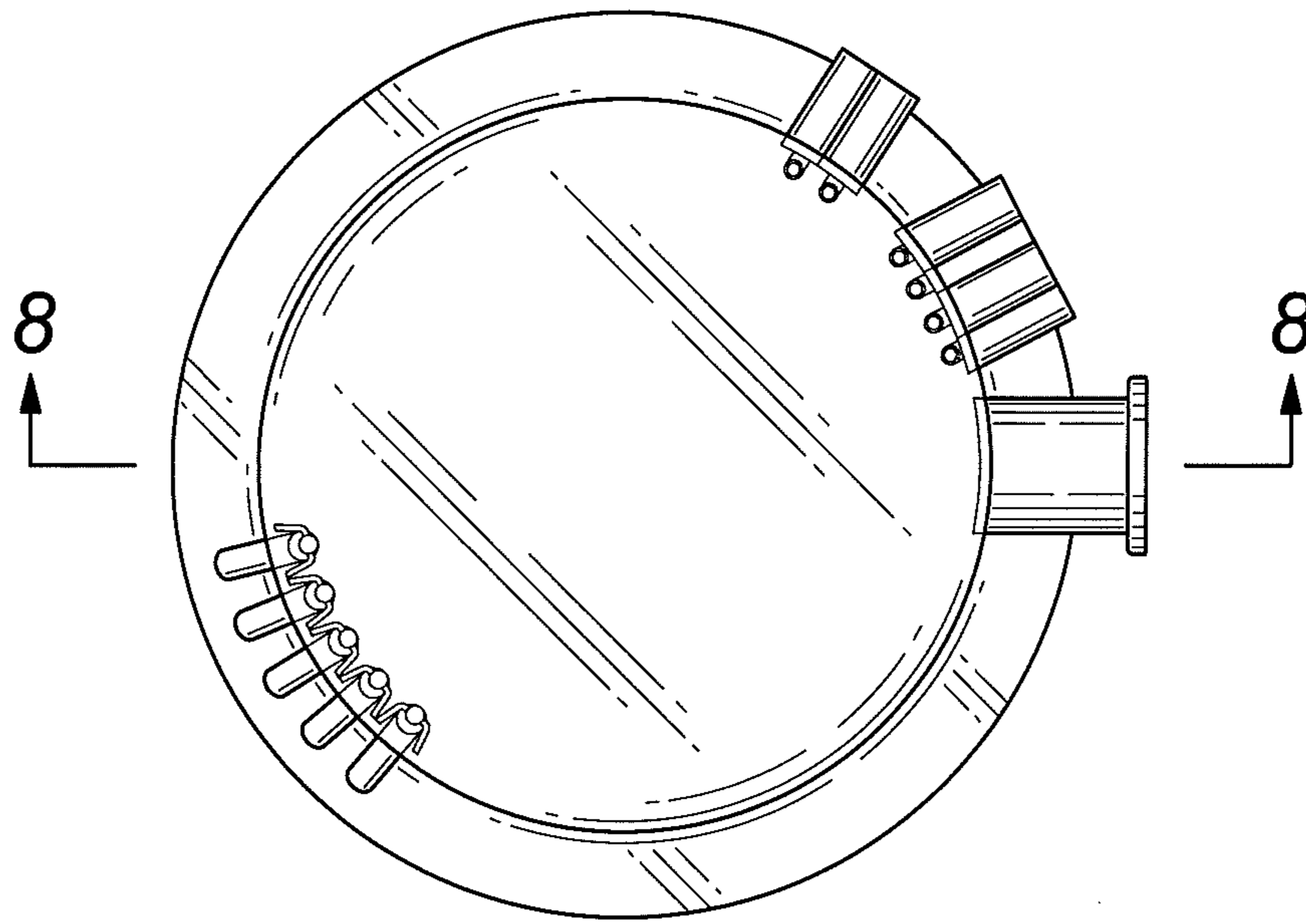


FIG. 6

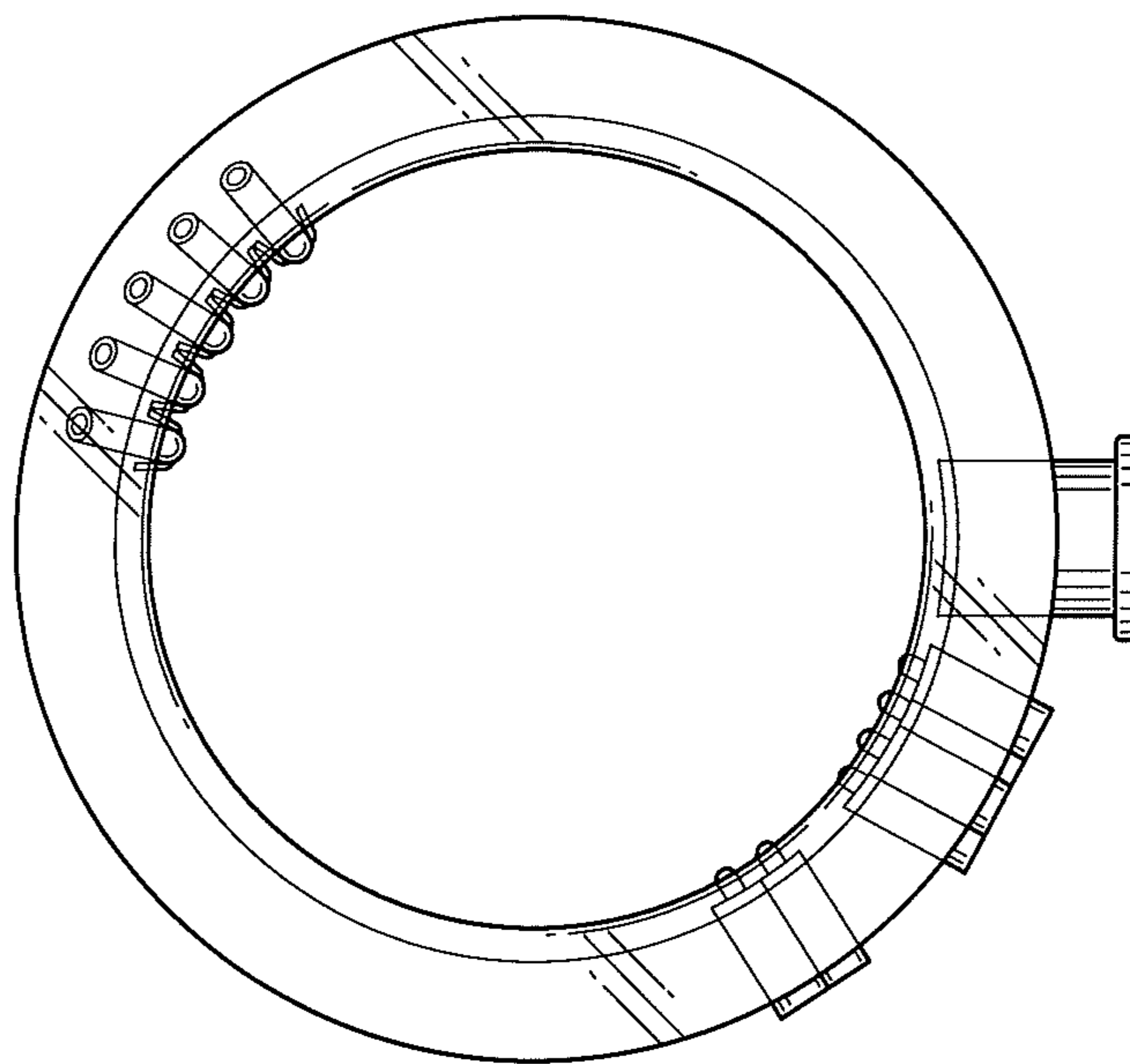


FIG. 7

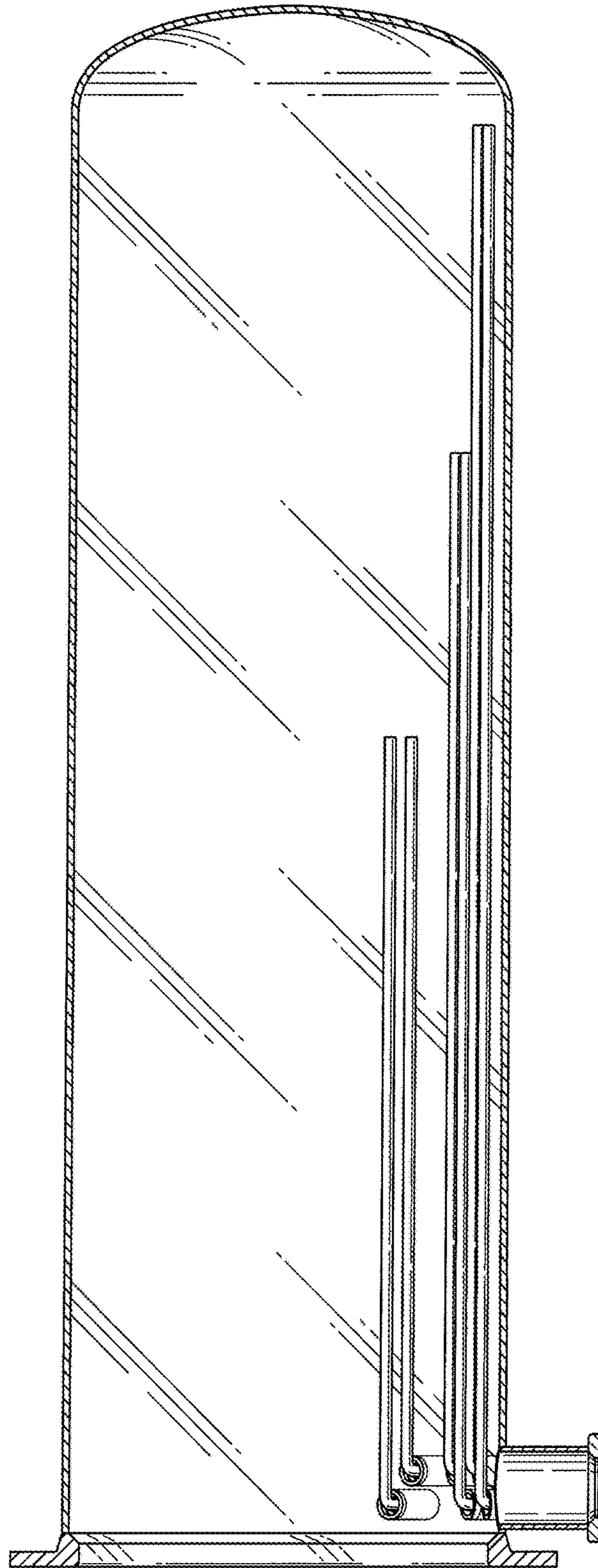


FIG. 8

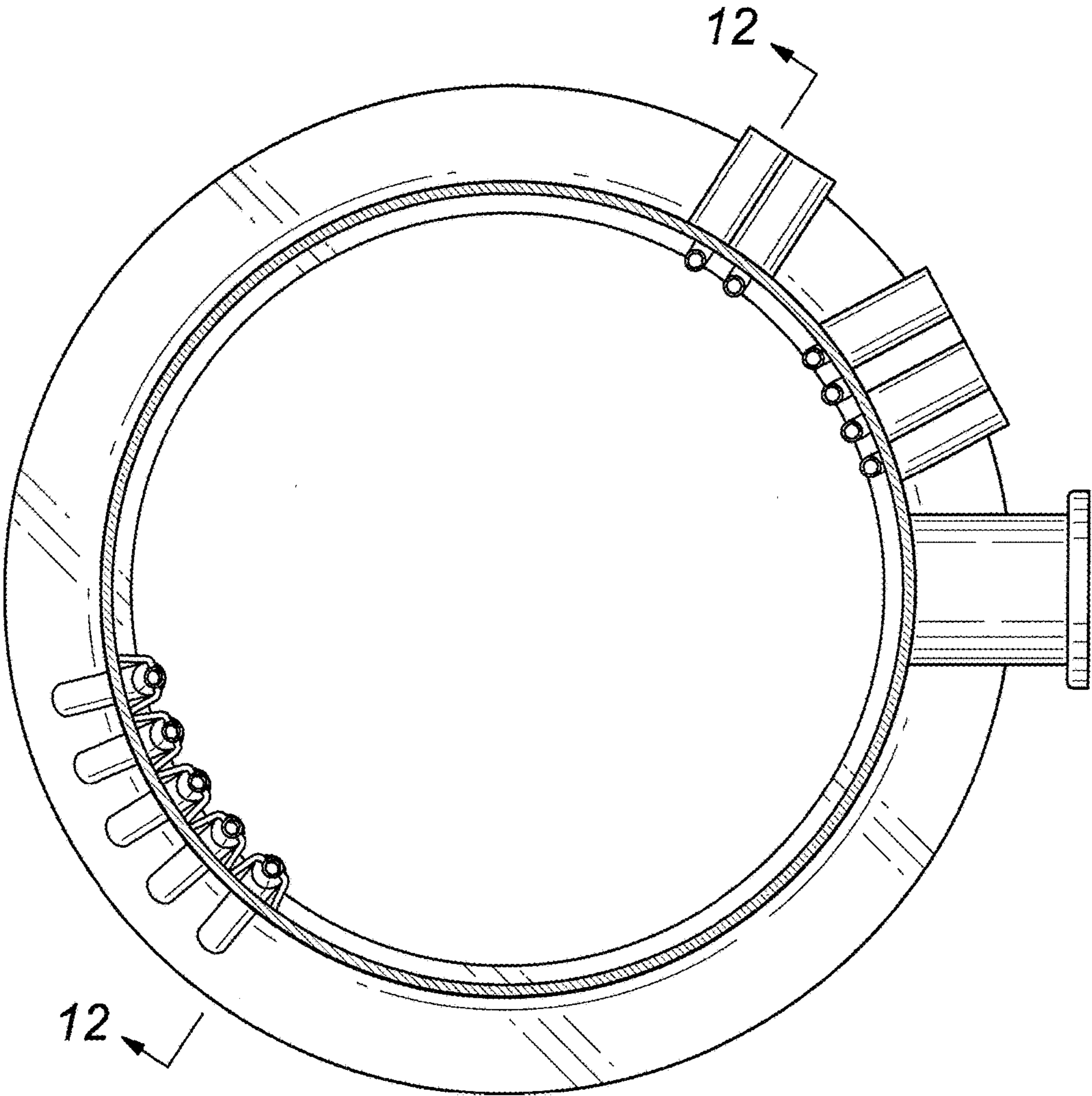


FIG. 9

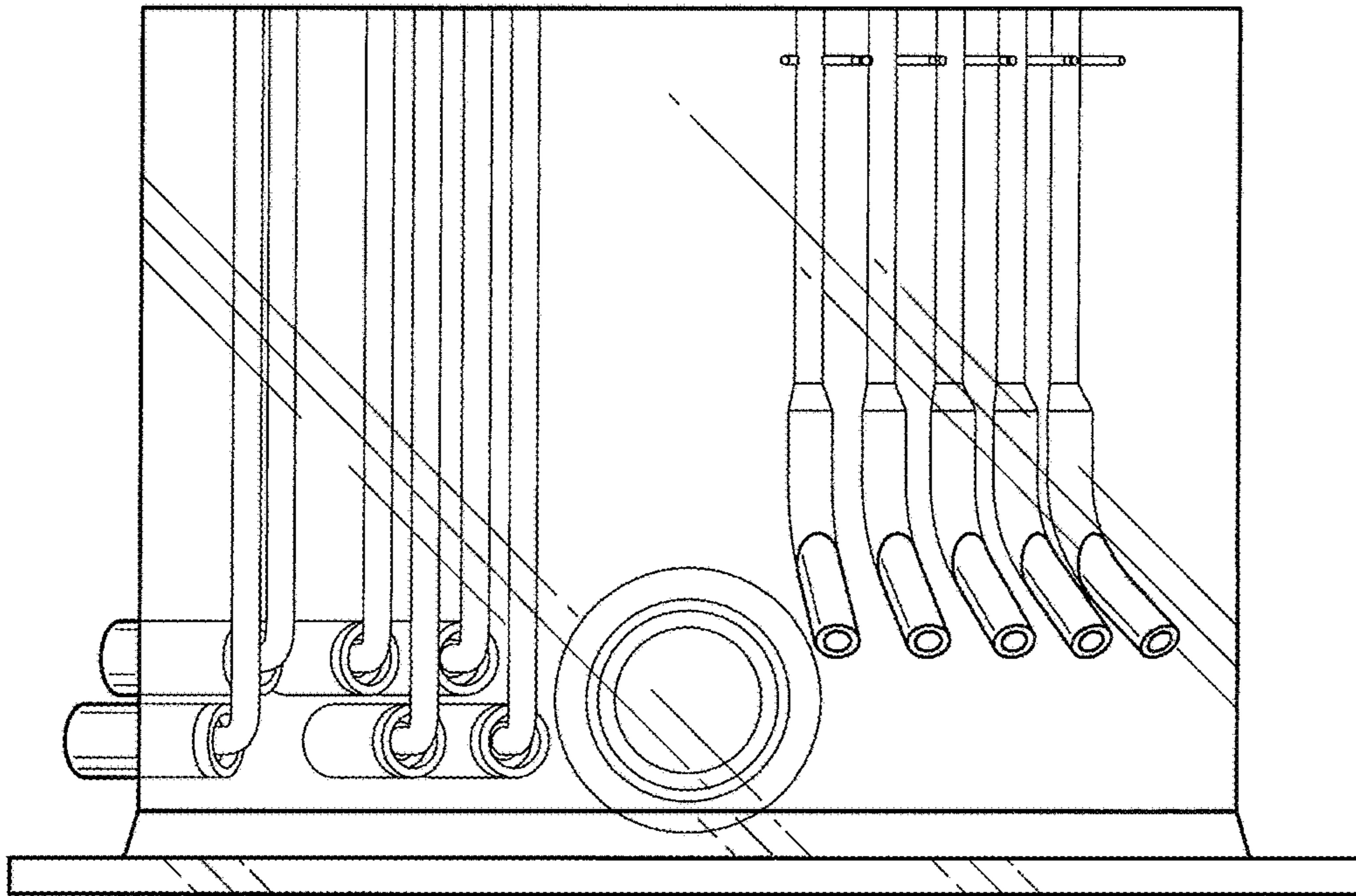


FIG. 10

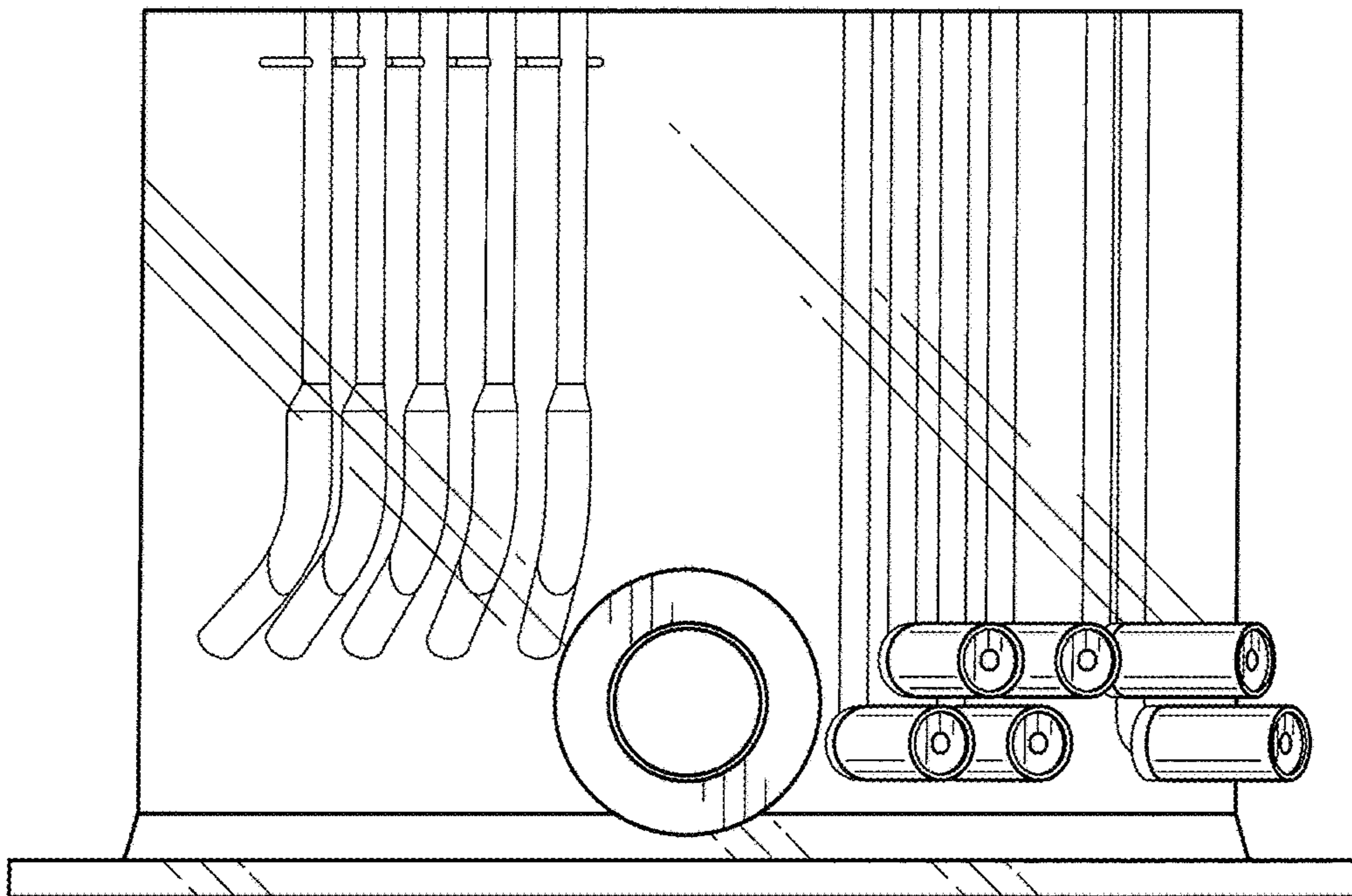


FIG. 11

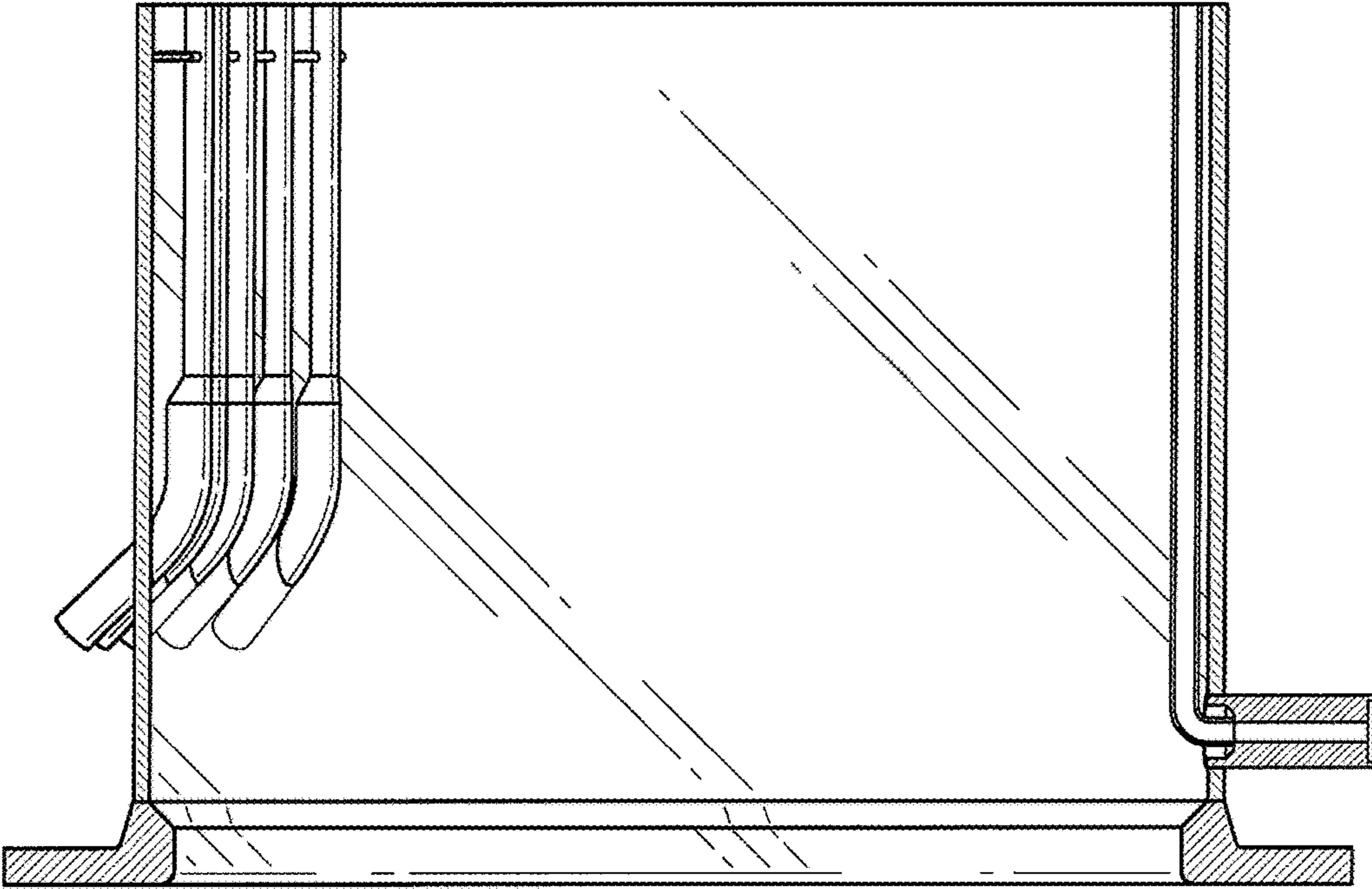


FIG. 12