



US00D968561S

(12) **United States Design Patent** (10) **Patent No.:** **US D968,561 S**
Yu et al. (45) **Date of Patent:** **** Nov. 1, 2022**

(54) GAS PHASE FILTER	D447,549 S *	9/2001	Gieseke	B01D 29/232 D23/365
(71) Applicant: Ye Siang Enterprise Co., Ltd. , New Taipei (TW)	7,087,166 B1 *	8/2006	Sudo	B01D 29/58 210/232
(72) Inventors: Ting-Fang Yu , New Taipei (TW); Shih-Chieh Chuang , New Taipei (TW); Shih-Hsien Chuang , New Taipei (TW); Wei-Kuo Kong , New Taipei (TW)	D591,414 S *	4/2009	Farnaby	D23/209
	D793,525 S *	8/2017	Morris	D23/209
	D867,568 S *	11/2019	Gleixner	D23/365
	D896,945 S *	9/2020	Gleixner	D23/365
	D916,238 S *	4/2021	Coelho	D23/209
	D952,819 S *	5/2022	Yang	D23/364
	D958,930 S *	7/2022	Mjelde	D23/209
	D958,934 S *	7/2022	Yu	D23/209
	D958,935 S *	7/2022	Yu	D23/209
	D959,602 S *	8/2022	Yu	D23/209
(73) Assignee: YE SIANG ENTERPRISE CO., LTD. , New Taipei (TW)	2016/0051910 A1 *	2/2016	Schunk	B01D 29/232 210/493.5
(**) Term: 15 Years				

(Continued)

(21) Appl. No.: **29/764,853**

(22) Filed: **Jan. 4, 2021**

(51) **LOC (13) Cl.** **23-01**

(52) **U.S. Cl.**
USPC **D23/209**

(58) **Field of Classification Search**
USPC D23/202, 207, 209, 213, 222, 225, 354,
D23/355, 356, 357, 358, 359, 360, 361,
D23/362, 363, 364, 365, 272, 273;
D30/121, 122, 123, 124, 125, 126, 127,
D30/128, 129, 130, 132, 133
CPC A01K 63/045; B01D 53/00; B01D 35/02;
B01D 35/30; B60K 15/03; C02F 1/003;
F17C 2209/221
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,500,652 A * 3/1970 Breitenstraeter B01D 24/008
210/345

D416,308 S * 11/1999 Ward B60K 15/067
D23/209

D421,649 S * 3/2000 Cappuyens C02F 1/42
D23/365

Primary Examiner — Karen S Acker
Assistant Examiner — Jonathan E Fiencke
(74) *Attorney, Agent, or Firm* — Birch, Stewart, Kolasch & Birch, LLP

(57) **CLAIM**

The ornamental design for a gas phase filter, as shown and described.

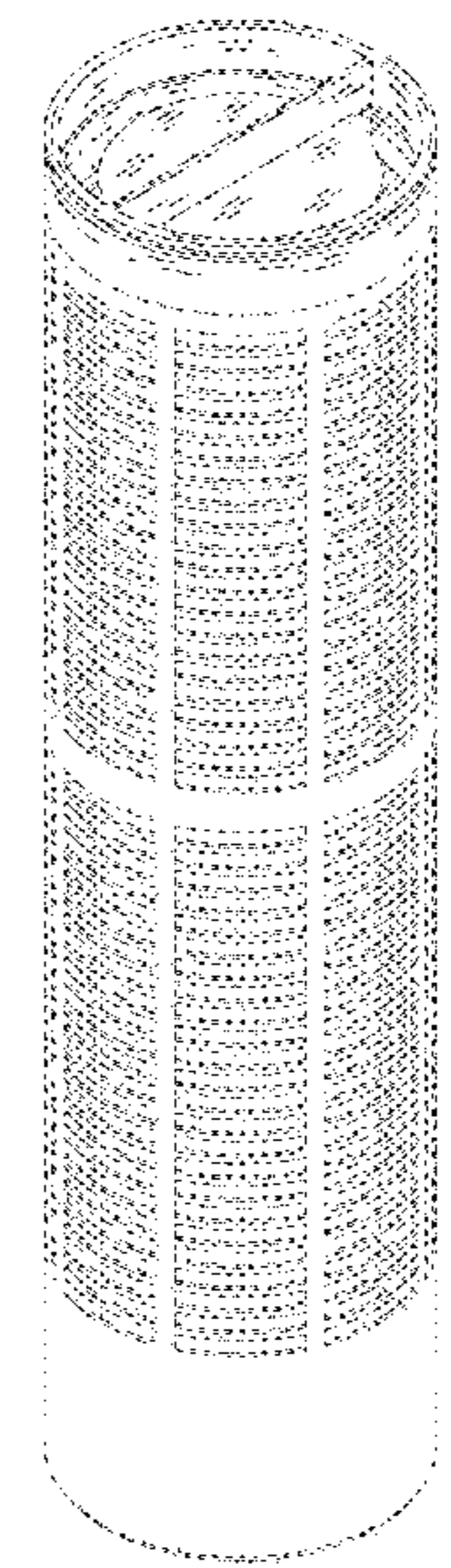
DESCRIPTION

FIG. 1 is a top, front, and right side perspective view of a gas phase filter showing the new design;
FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a left side thereof;
FIG. 5 is a right side view thereof; and,
FIG. 6 is a top view thereof.

The evenly spaced broken lines depict portions of the gas phase filter that form no part of the claimed design. The dot dash dot broken lines denote the boundaries of the claim and form no part thereof.

The bottom view thereof is omitted since it does not contain ornamental features.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2016/0152379 A1* 6/2016 Leonard B60K 15/067
220/562
2016/0376162 A1* 12/2016 Dani C02F 1/42
210/266

* cited by examiner

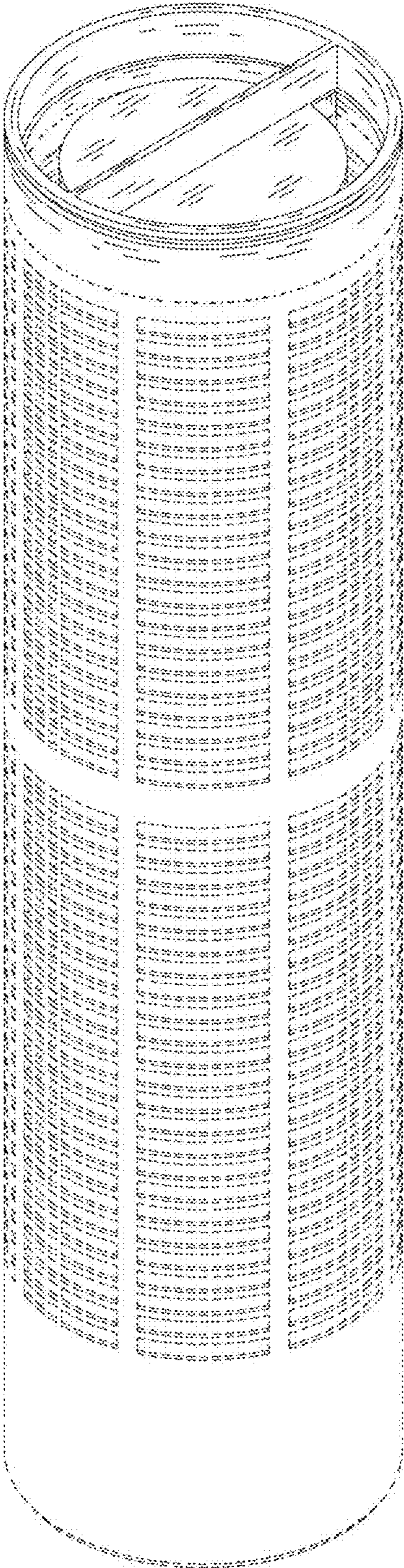


FIG. 1

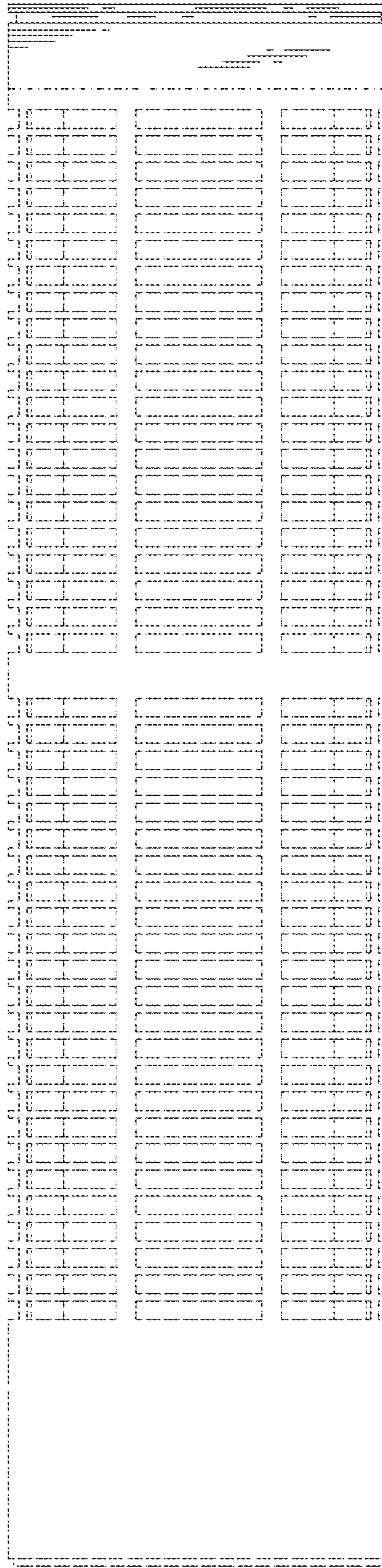


FIG. 2

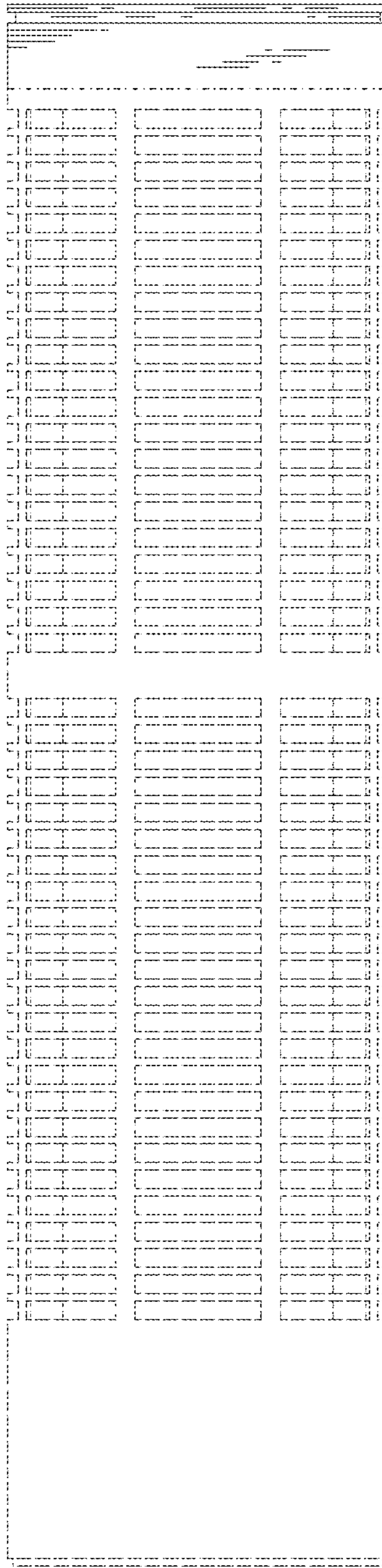


FIG. 3

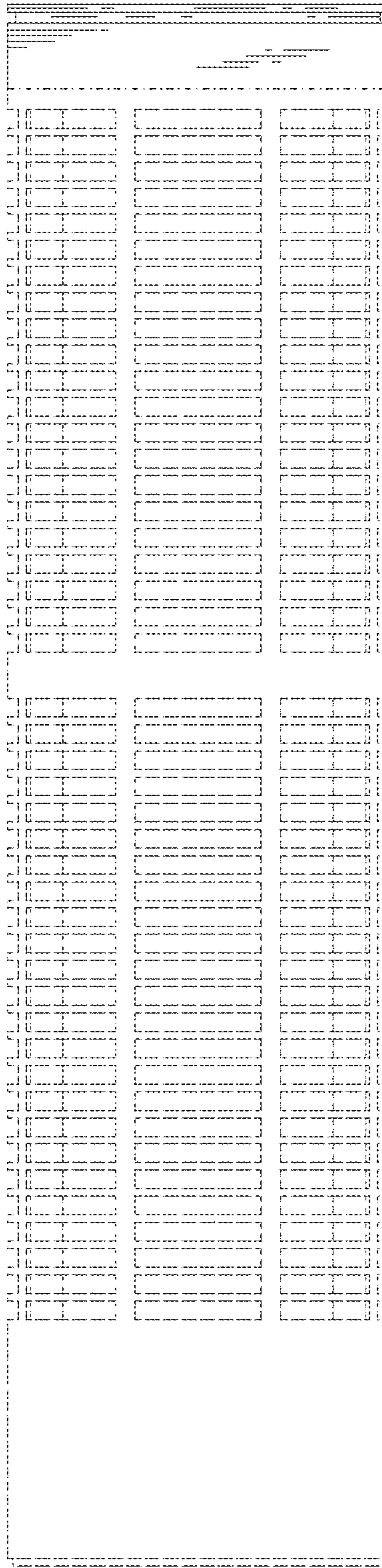


FIG. 4

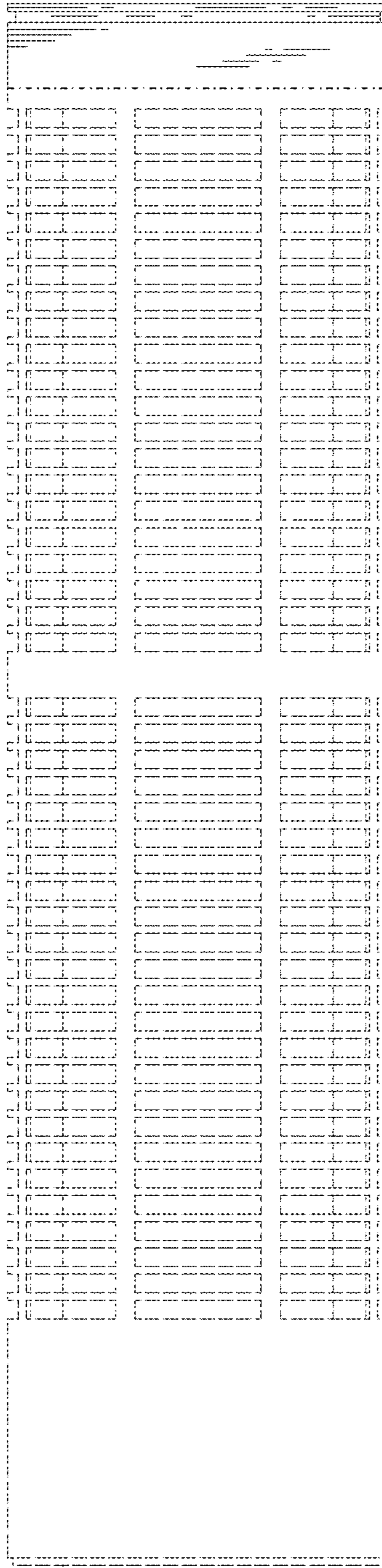


FIG. 5

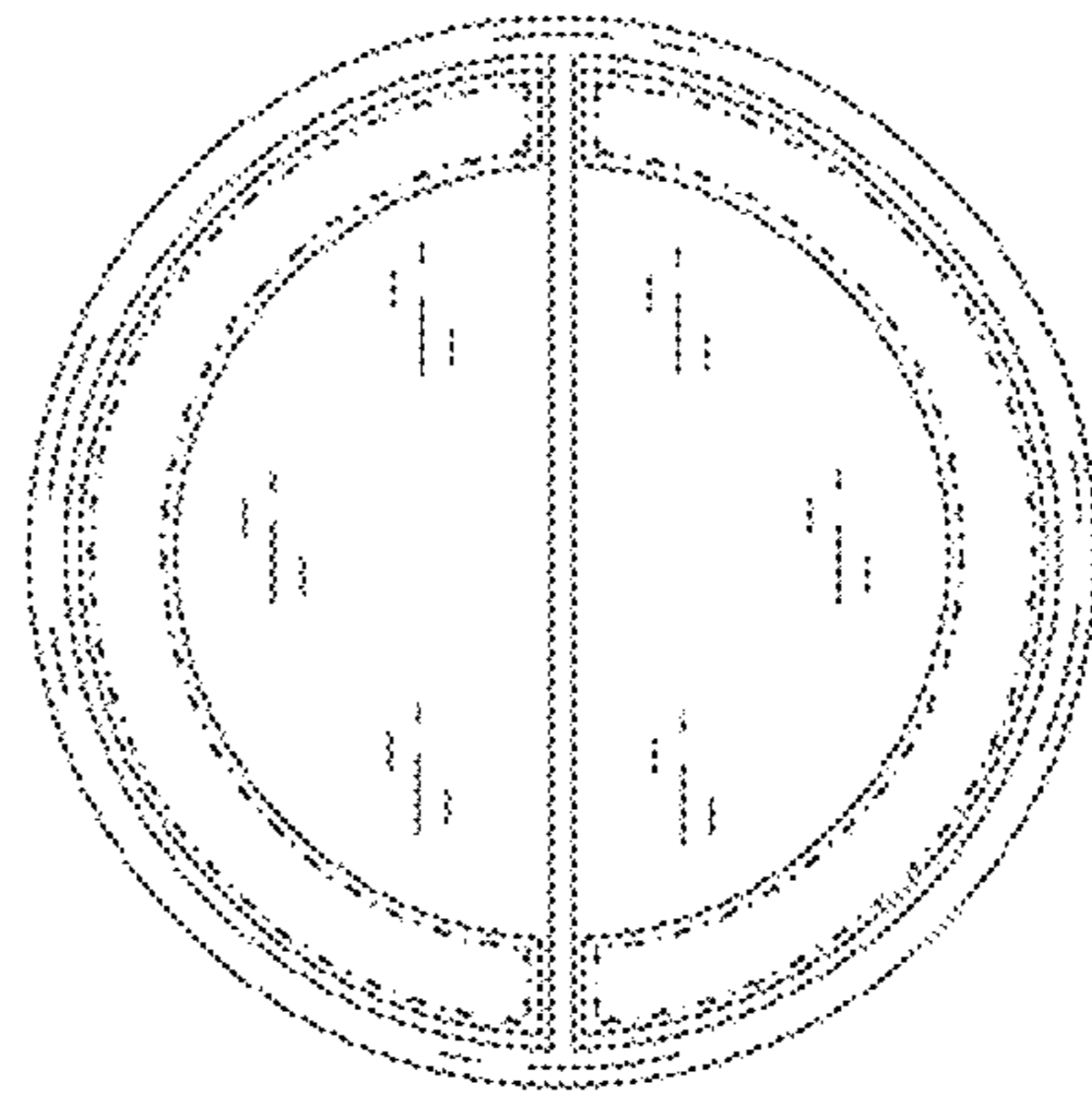


FIG. 6