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(12) **United States Design Patent**  
**Chen**

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(54) **AIR PURIFIER**

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(51) **LOC (11) Cl.** ..... **23-04**

(52) **U.S. Cl.**  
USPC ..... **D23/364**

(58) **Field of Classification Search**  
USPC ..... D23/355-366, 352, 369, 332, 333, 335, D23/336, 342, 351; 422/120, 122; 55/356, 473, 504; 96/97; D14/188, 170, D14/172; 261/DIG. 17, DIG. 65, 261/DIG. 88, DIG. 31; D18/34.6  
CPC .. A61L 9/16; A61L 9/22; B01D 47/00; B01D 47/027; B01D 2221/02; B01D 2259/4508; B03C 3/155; B03C 3/368; F24F 3/16; F24F 13/20; F24F 13/28; F24F 3/1405; F24F 3/1603; F24F 13/222  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D207,514 S \* 4/1967 Hoyle ..... D23/352  
D274,353 S \* 6/1984 Hoyle ..... D23/352  
D281,618 S \* 12/1985 Grube ..... D23/364

D289,857 S \* 5/1987 Duval ..... D23/366  
D355,962 S \* 2/1995 Chiu ..... D23/364  
5,753,000 A \* 5/1998 Chiu ..... B01D 46/24  
55/357  
D424,676 S \* 5/2000 Hoshino ..... D23/365  
D493,874 S \* 8/2004 Woods ..... D23/364  
D563,391 S \* 3/2008 Skurdal ..... D14/172  
D597,187 S \* 7/2009 Campbell ..... D23/356  
7,806,952 B2 \* 10/2010 Fox ..... A61L 9/22  
313/292  
D705,410 S \* 5/2014 Terao ..... D23/364  
D707,338 S \* 6/2014 Ediger ..... D23/356  
(Continued)

**OTHER PUBLICATIONS**

Amazon.com, VAVA Air Purifier with 3-in-1 True HEPA Filter, Aug. 24, 2018, [https://www.amazon.com/VAVA-Purifier-Allergies-Eliminator-Filtration/dp/B07D3N3NPX/ref=sr\\_1\\_21?ie=UTF8&qid=1540292477&sr=8-21&keywords=air+purifier](https://www.amazon.com/VAVA-Purifier-Allergies-Eliminator-Filtration/dp/B07D3N3NPX/ref=sr_1_21?ie=UTF8&qid=1540292477&sr=8-21&keywords=air+purifier) (Year: 2018).\*

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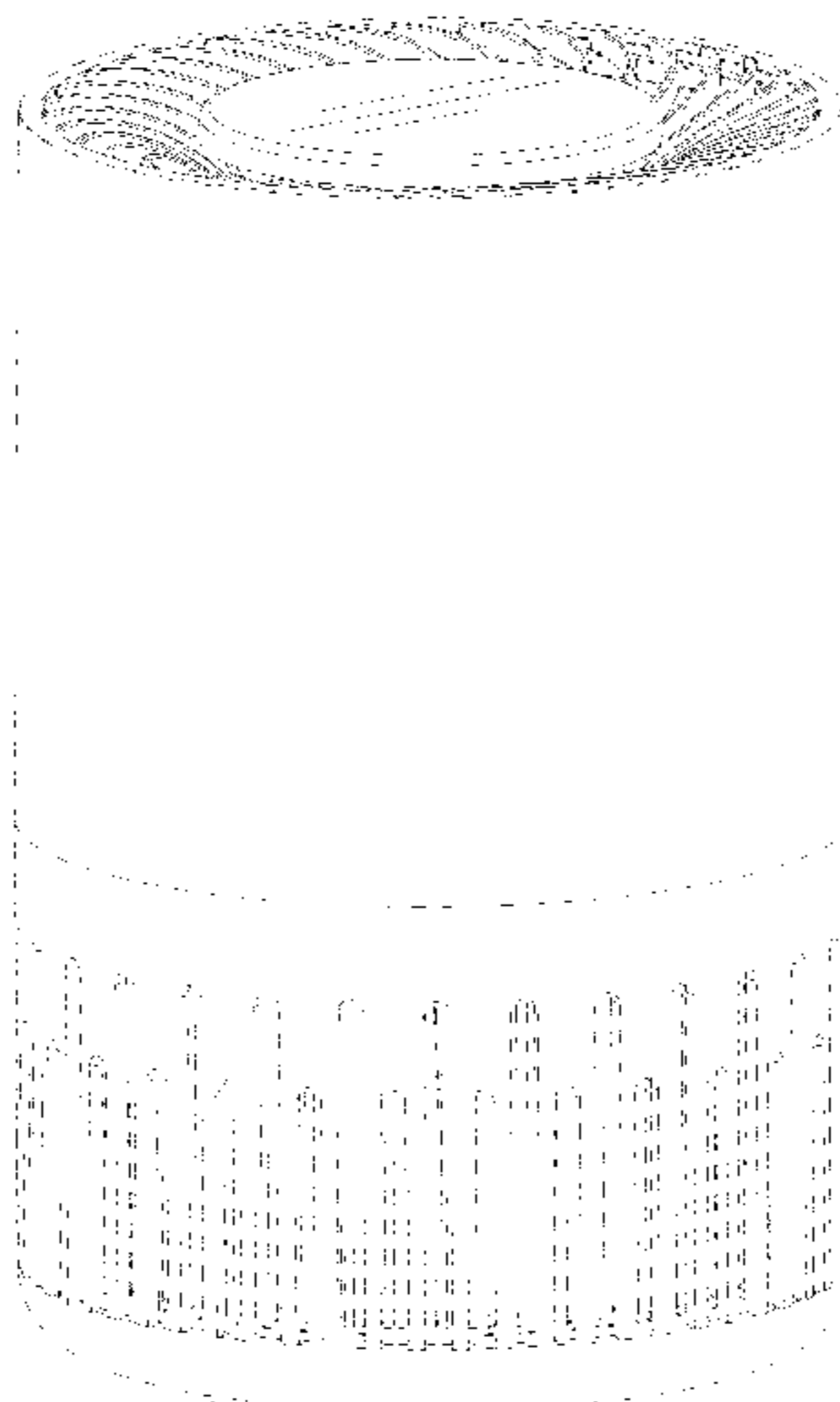
(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a front, top perspective view of an air purifier showing my new design;  
FIG. 2 is a front elevational view thereof;  
FIG. 3 is a rear elevational view thereof;  
FIG. 4 is a right side view thereof;  
FIG. 5 is a left side view thereof;  
FIG. 6 is top plan view thereof; and,  
FIG. 7 is bottom plan view thereof.  
The broken lines illustrate portions of the air purifier which form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

|              |    |   |         |                  |       |            |
|--------------|----|---|---------|------------------|-------|------------|
| D716,427     | S  | * | 10/2014 | Lim              | ..... | D23/364    |
| D728,089     | S  | * | 4/2015  | Crisa'           | ..... | D23/366    |
| D755,942     | S  | * | 5/2016  | Kim              | ..... | D23/364    |
| D799,016     | S  | * | 10/2017 | Su               | ..... | D23/364    |
| D803,369     | S  | * | 11/2017 | Kim              | ..... | D23/364    |
| D804,002     | S  | * | 11/2017 | Huang            | ..... | D23/364    |
| D805,622     | S  | * | 12/2017 | Lee              | ..... | D23/364    |
| D818,095     | S  | * | 5/2018  | Cho              | ..... | D23/364    |
| D818,097     | S  | * | 5/2018  | Cho              | ..... | D23/364    |
| D818,099     | S  | * | 5/2018  | Cho              | ..... | D23/364    |
| D829,312     | S  | * | 9/2018  | Riering-Czekalla | ..... | D23/364    |
| 2017/0153040 | A1 | * | 6/2017  | Wang             | ..... | F24F 3/12  |
| 2018/0135876 | A1 | * | 5/2018  | Gwak             | ..... | C02F 1/325 |

\* cited by examiner

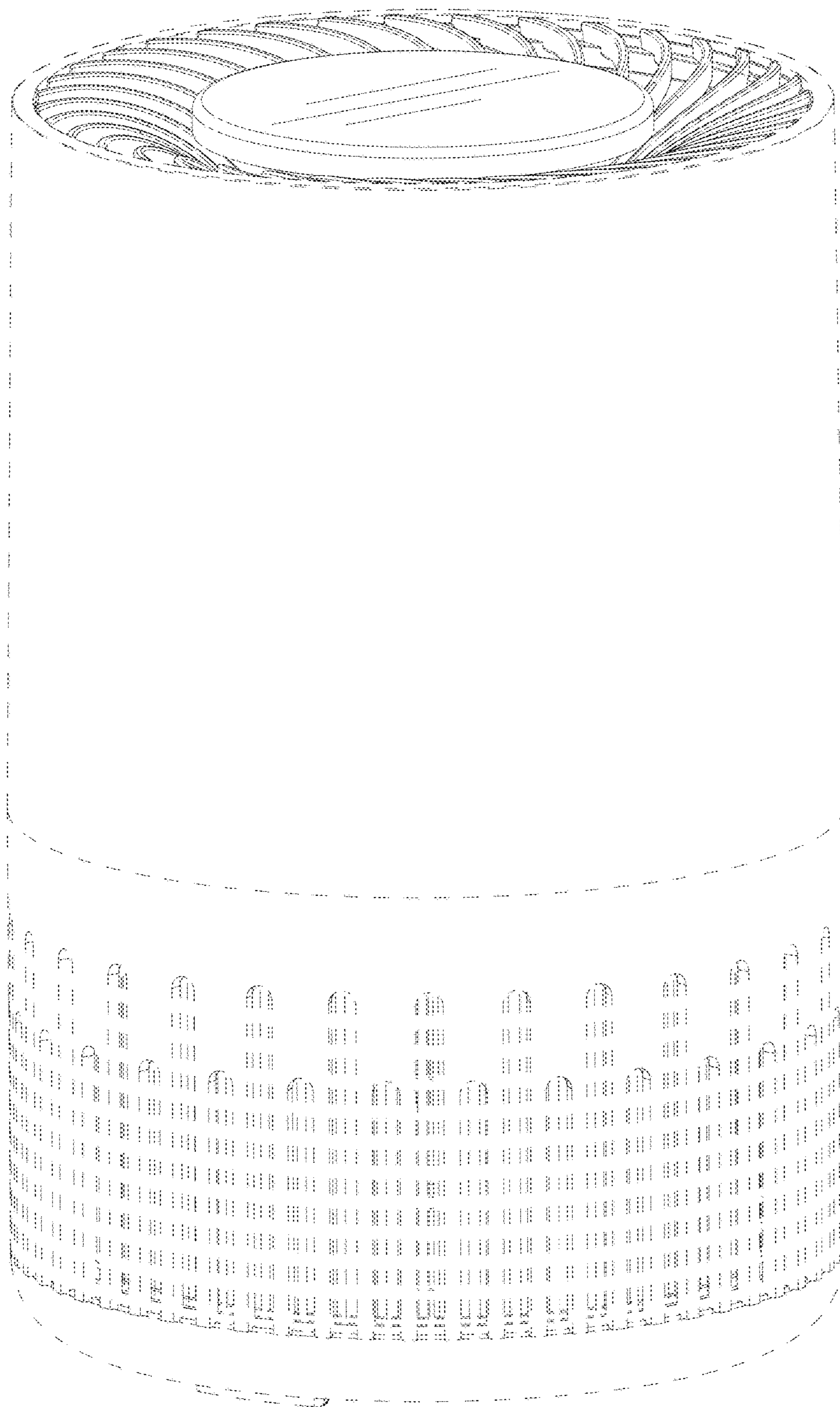


FIG. 1

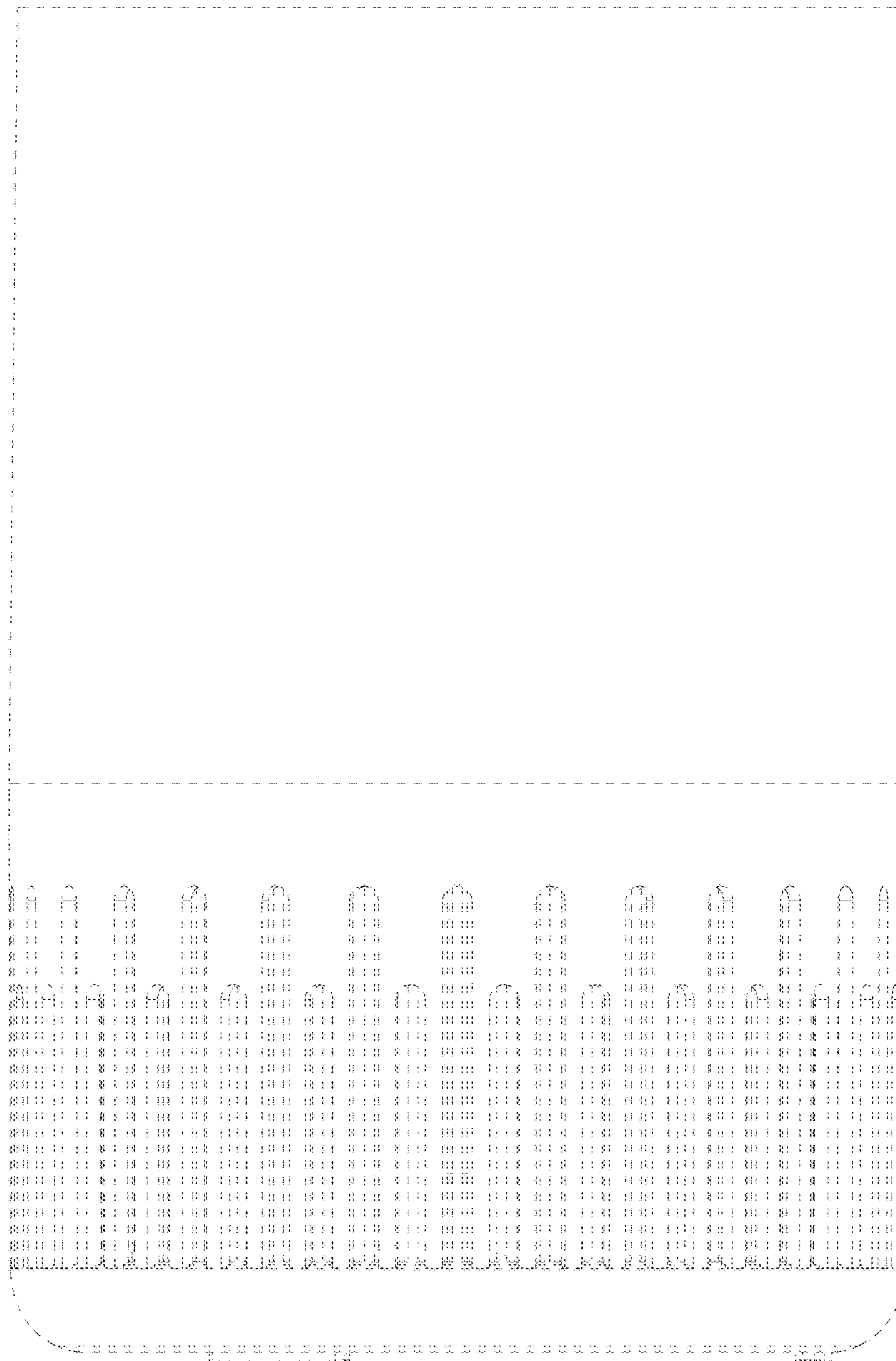


FIG. 2

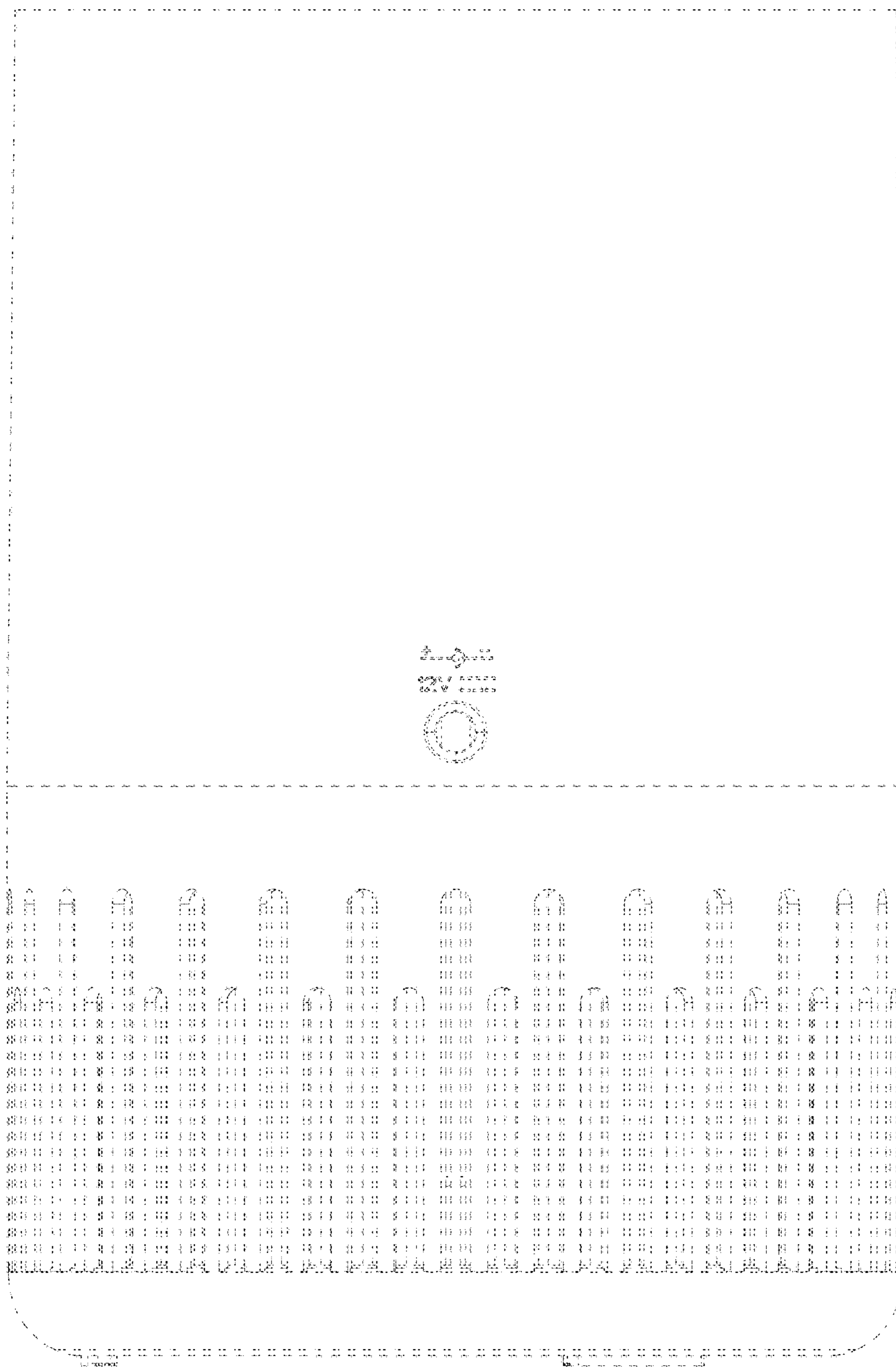


FIG. 3



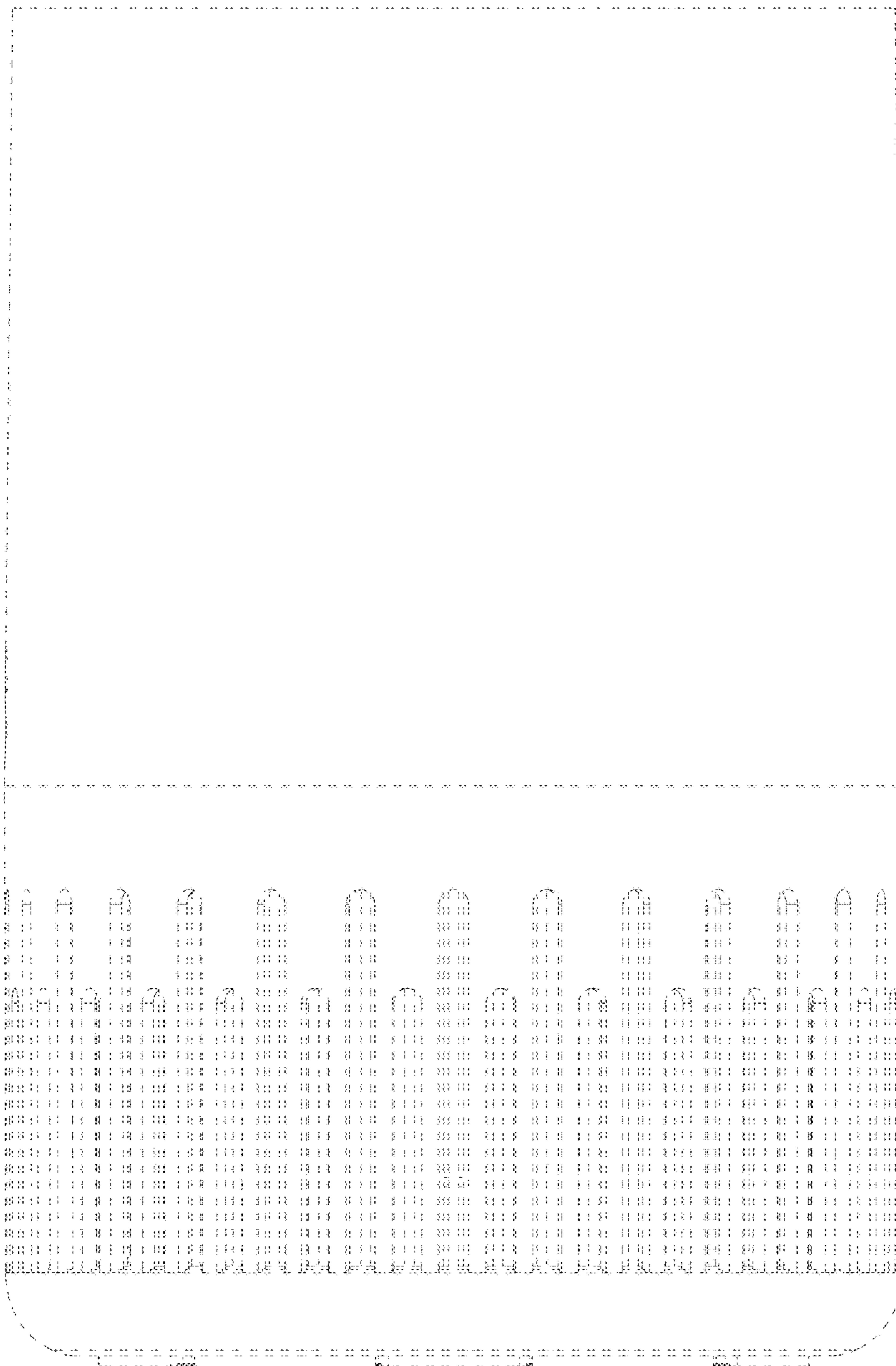


FIG. 4

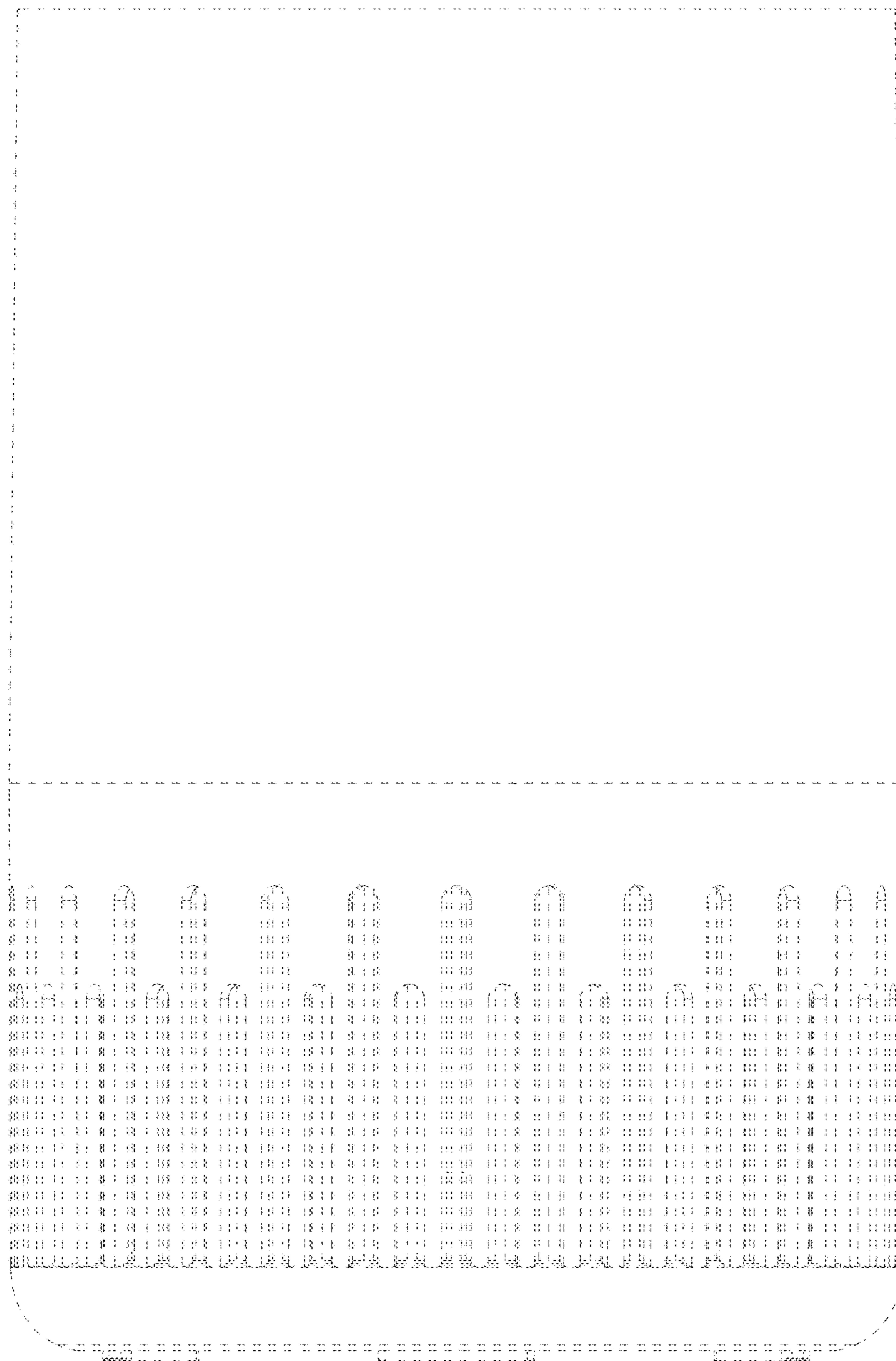


FIG. 5

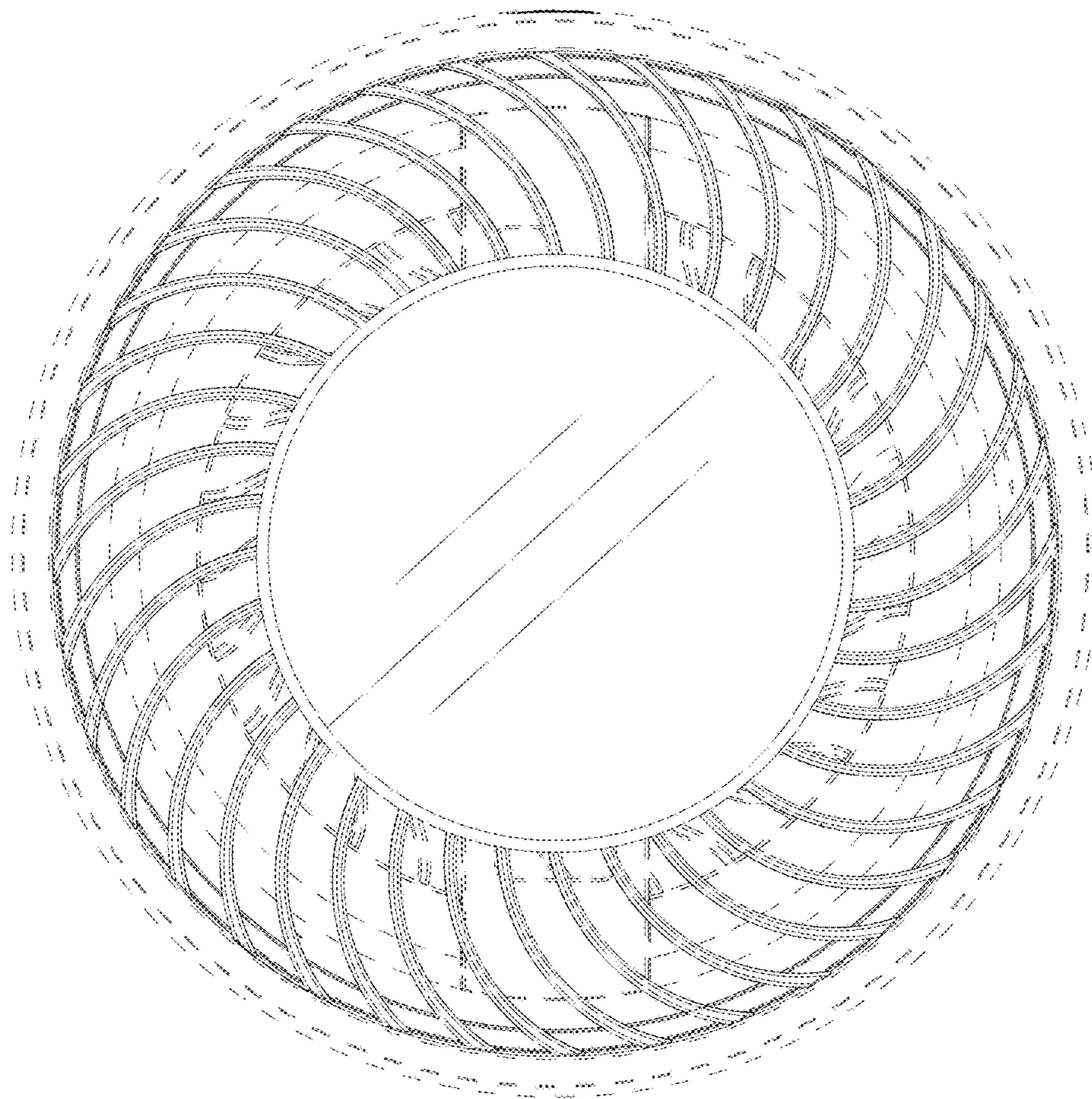


FIG. 6



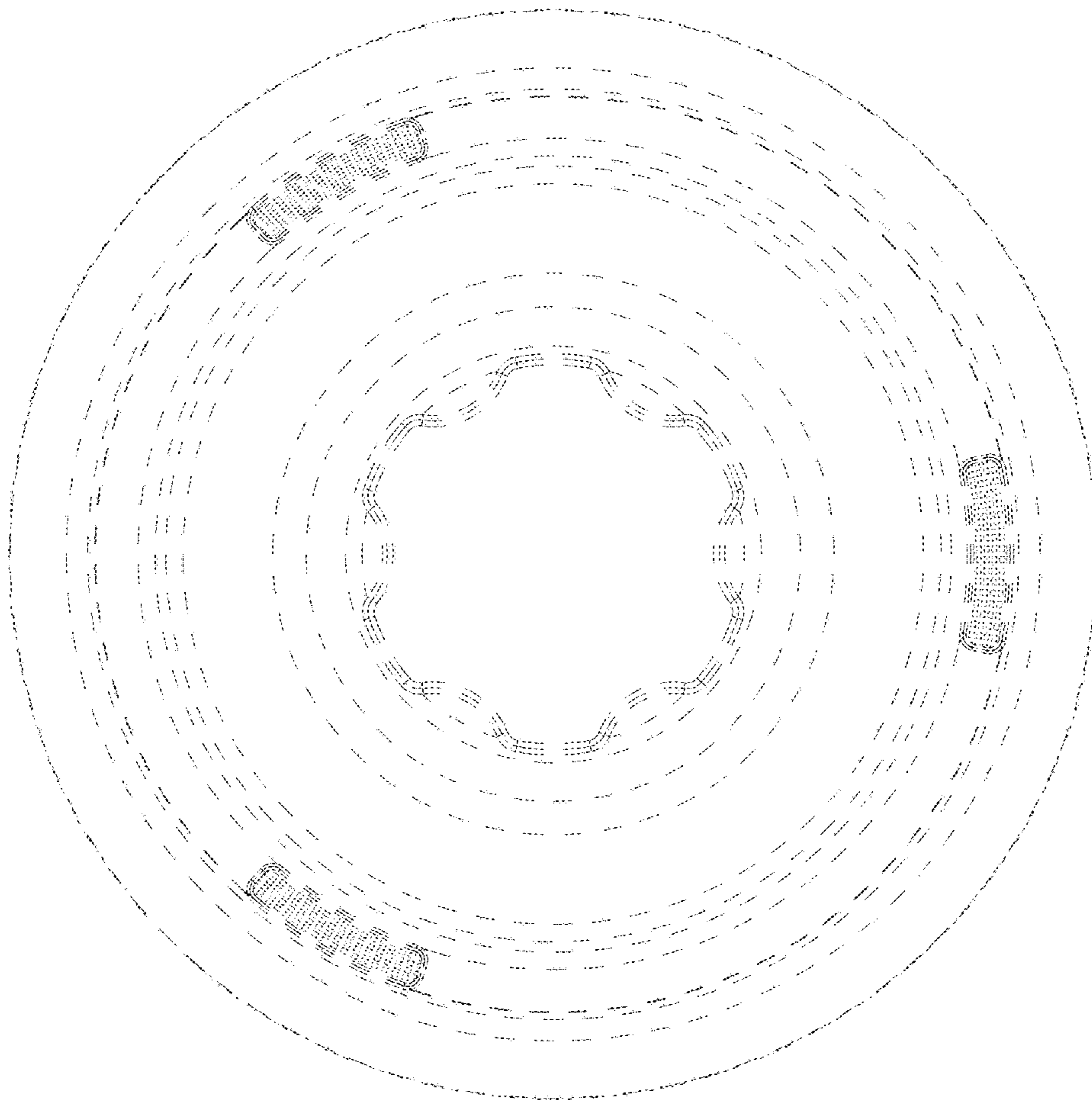


FIG. 7