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

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(54) **DUST COLLECTOR FILTER**

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

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(52) **U.S. Cl.**
USPC **D32/31**

(58) **Field of Classification Search**
USPC D32/15, 17-24, 31-34; D9/445, 502,
D9/504, 537, 545, 549, 778, 779, 780
CPC A47L 5/24; A47L 7/0076; A47L 11/04;
A47L 11/22; A47L 5/28; A47L 9/106;
A47L 11/30; A47L 11/4005; A47L 9/32;
A47L 9/322; A47L 9/325; A47L 9/10;
A47L 9/102; A47L 9/127; B04C 5/185;
E04H 4/1636

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D188,039 S * 5/1960 Descaries D32/31
D233,646 S * 11/1974 Diehl D32/23
D389,963 S * 1/1998 Scanlon D32/31
5,783,086 A * 7/1998 Scanlon A47L 7/0028
210/651
D416,308 S * 11/1999 Ward D23/209

D440,294 S * 4/2001 Bilek D23/365
7,008,465 B2 * 3/2006 Graham B01D 46/2411
55/DIG. 35
D541,399 S * 4/2007 Khalil D32/31
7,374,595 B2 * 5/2008 Gierer A47L 9/127
55/498
8,029,590 B2 * 10/2011 Cheng B01D 46/0016
55/378
D691,338 S * 10/2013 Schultz D32/31
8,961,644 B2 * 2/2015 Burns B01D 29/232
210/450
9,078,550 B2 * 7/2015 Pruitt A47L 9/106
9,283,506 B2 * 3/2016 Williams B01D 46/2411
D777,387 S * 1/2017 Zhou D32/31
9,604,172 B2 * 3/2017 Raether B01D 46/60
10,286,350 B1 * 5/2019 Clements B01D 39/1623

(Continued)

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(57) **CLAIM**

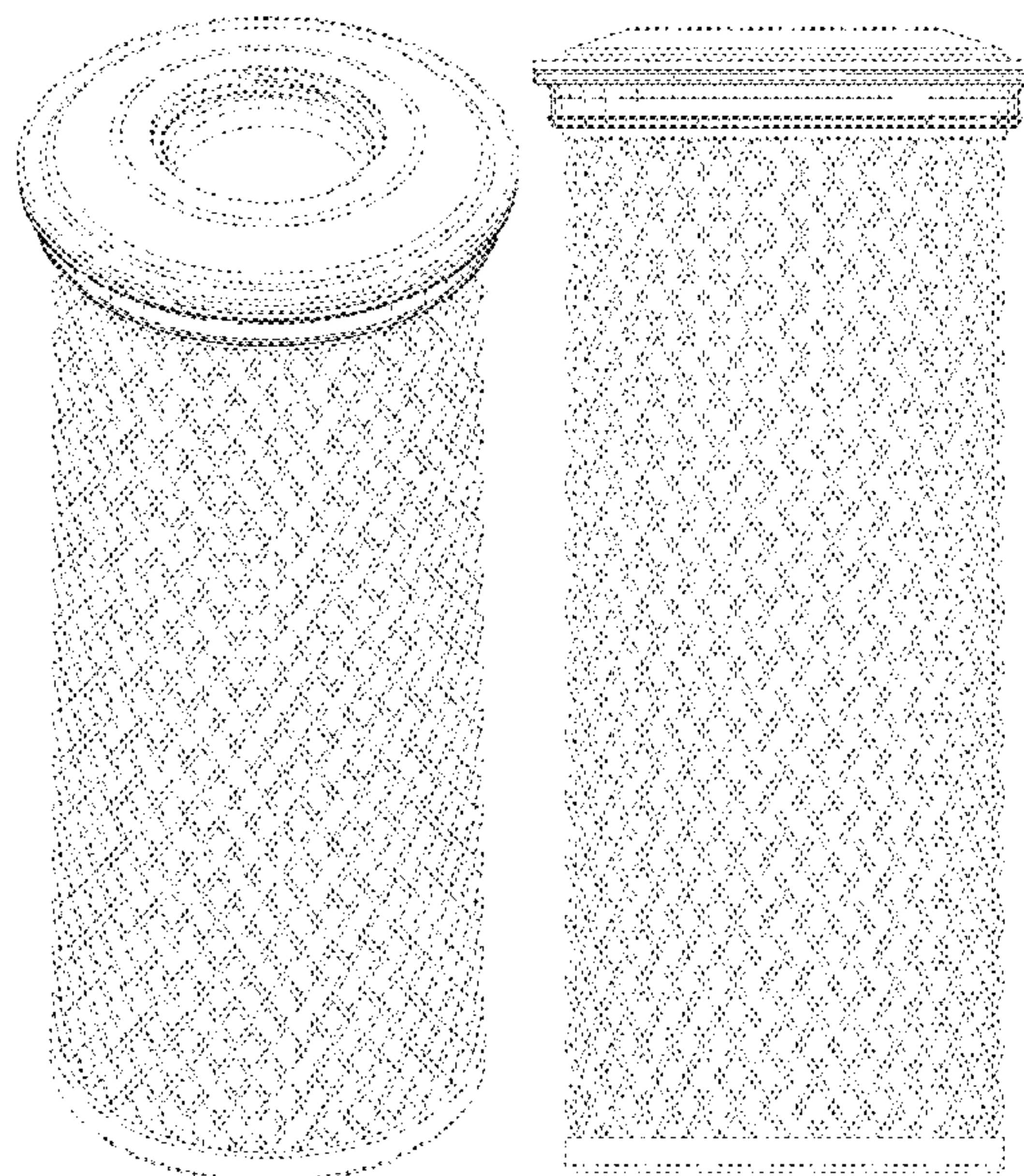
The ornamental design for a dust collector filter, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a dust collector filter of the present invention;
FIG. 2 is a back view of the dust collector filter of FIG. 1;
FIG. 3 is a front view of the dust collector filter of FIG. 1;
FIG. 4 is a left side view of the dust collector filter of FIG. 1;
FIG. 5 is a right side view of the dust collector filter of FIG. 1;
FIG. 6 is an enlarged top view of the dust collector filter of FIG. 1; and,
FIG. 7 is an enlarged bottom view of the dust collector filter of FIG. 1.

The broken lines in FIGS. 1-7 depict portions of the dust collector filter that form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

10,368,706 B1 * 8/2019 Seasholtz A47L 5/365
10,455,998 B2 * 10/2019 Kim A47L 9/10
D868,402 S * 11/2019 Luo D32/18
10,493,392 B2 * 12/2019 Williams B01D 46/521
D914,309 S * 3/2021 Cole D32/32
D925,148 S * 7/2021 Wang D32/35
11,324,368 B2 * 5/2022 Sang B01D 46/48
2019/0183302 A1 * 6/2019 Hinchliffe A47L 9/12
2021/0321844 A1 * 10/2021 Seasholtz A47L 9/127

* cited by examiner

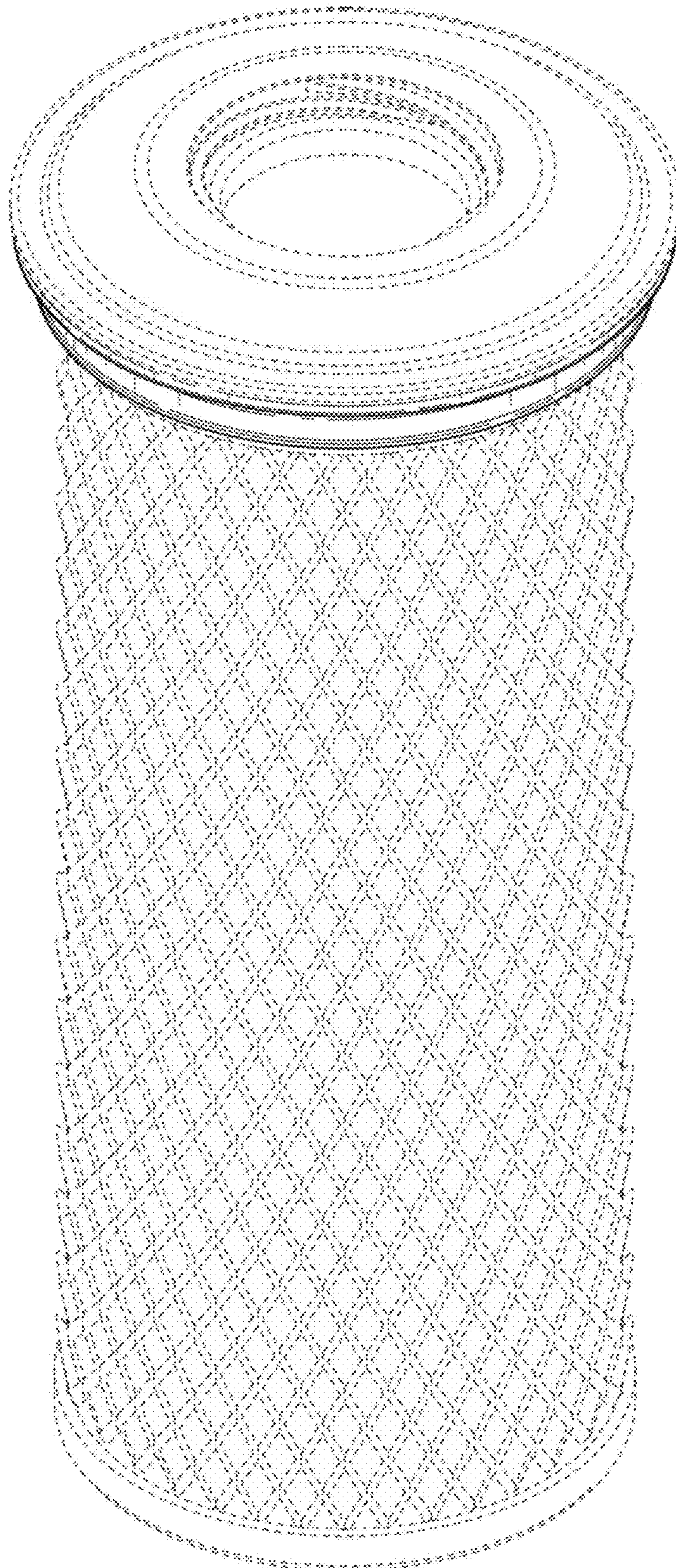


FIG. 1

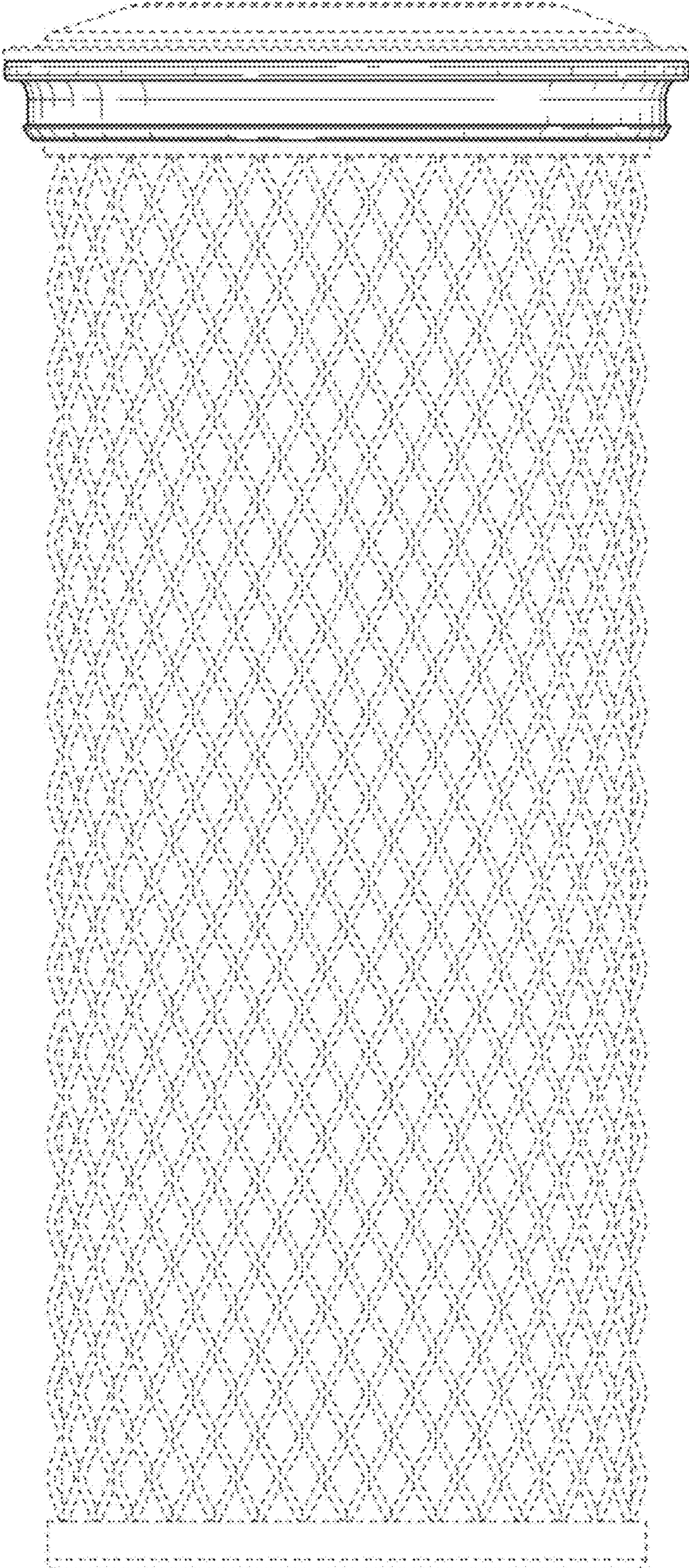


FIG. 2

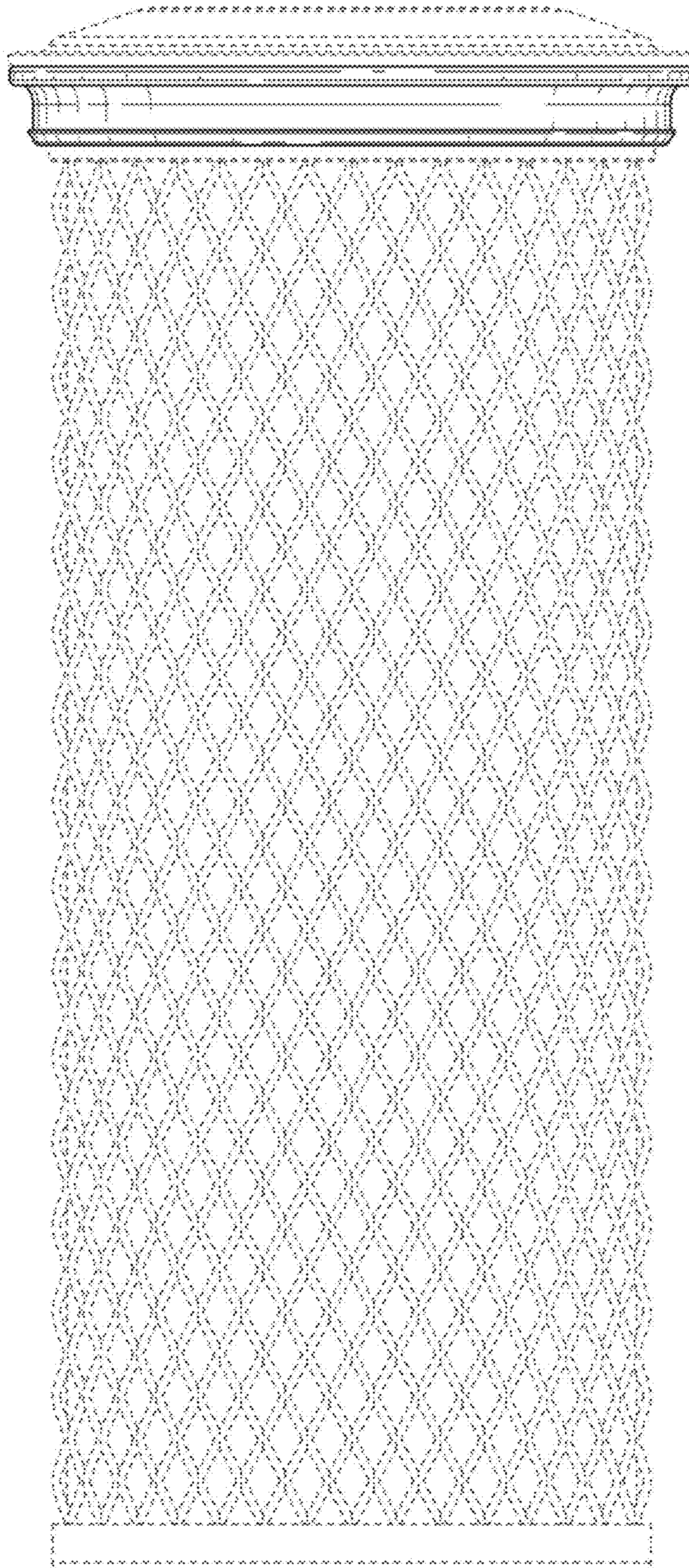


FIG. 3

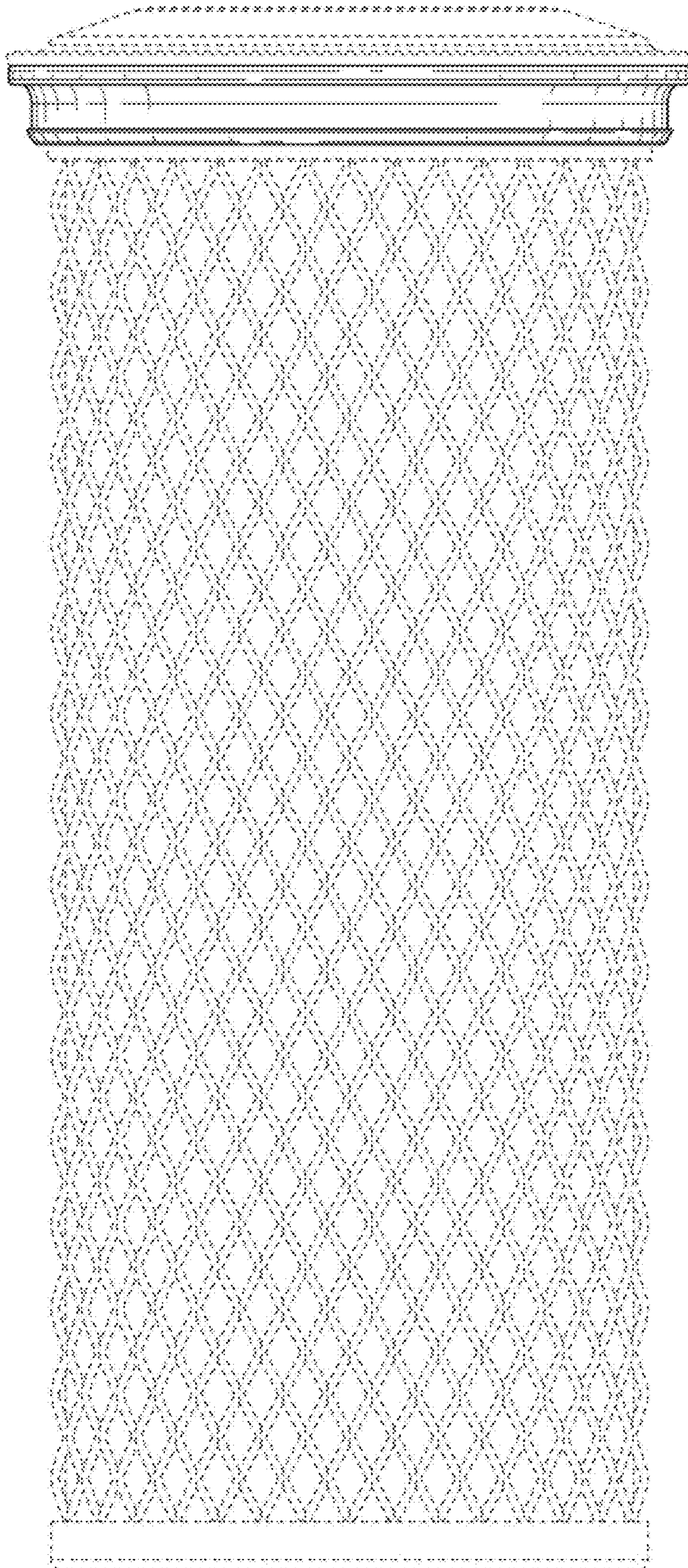


FIG. 4

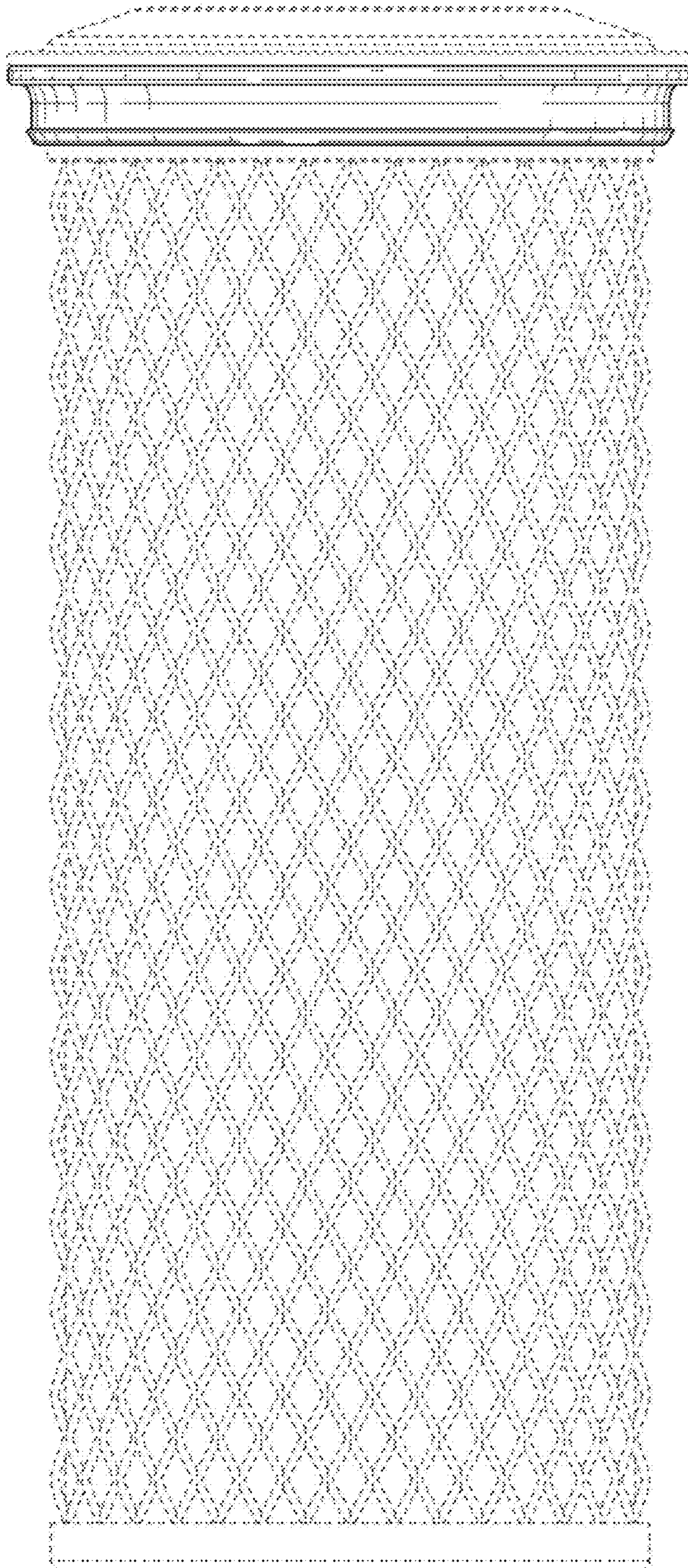


FIG. 5

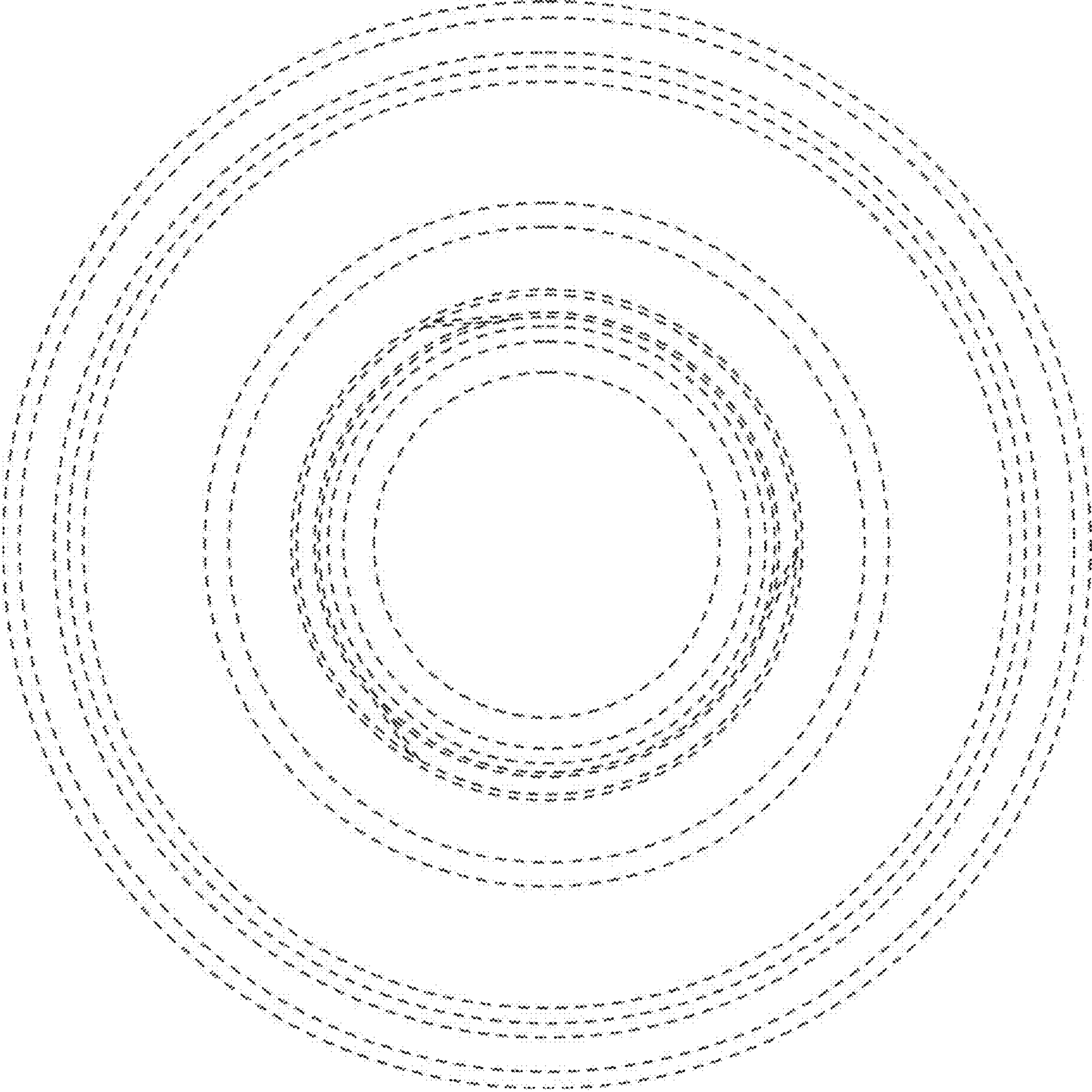


FIG. 6

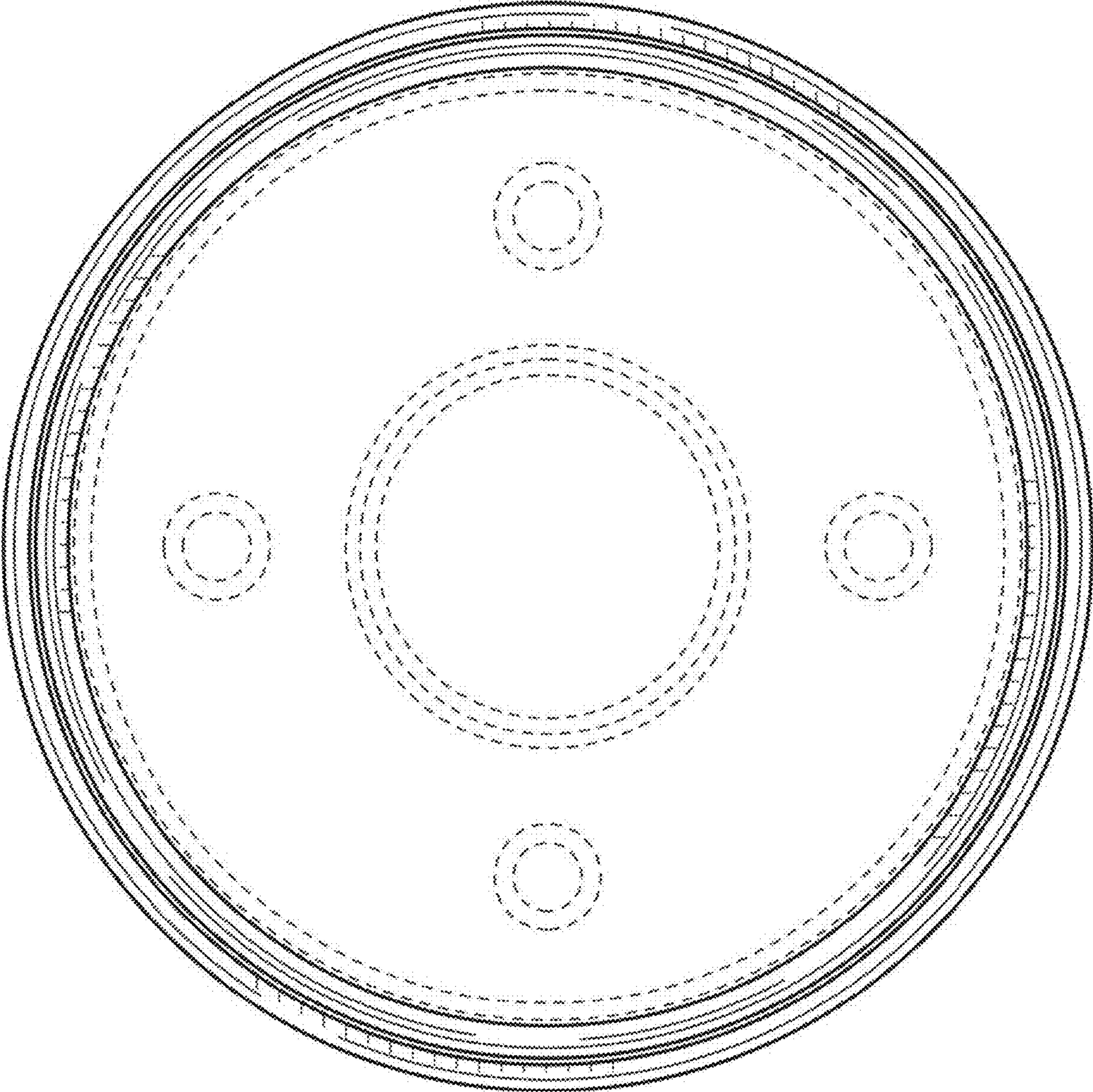


FIG. 7