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

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(54) **DIGITAL DOOR LOCK**
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Jeong-Hoon Ha, Seoul (KR)
(73) Assignee: **Samsung SDS Co., LTD**, Seoul (KR)
(**) Term: **15 Years**

D883,068 S * 5/2020 Guo D8/331
D885,865 S * 6/2020 Laurans D8/331
D887,248 S * 6/2020 Laurans D8/331
2018/0191930 A1 * 7/2018 Jeong G08B 3/10
2019/0390478 A1 * 12/2019 Xiang E05B 15/04

FOREIGN PATENT DOCUMENTS

CN 305893609 * 3/2020
CN 305944592 * 3/2020
EM 004010049-0002 * 5/2017
IN 281532-0001 * 3/2016

(Continued)

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(51) **LOC (13) Cl.** **08-07**
(52) **U.S. Cl.**
USPC **D8/330**; D8/331
(58) **Field of Classification Search**
USPC D8/330-340, 341.11, 342-350, 352, 382,
D8/394-399; 292/341.11, 340-346, 180
CPC G07C 9/00571; G07C 9/00674; G07C
9/00309; H04N 7/147; H04N 7/186;
H04N 5/232411; H05K 1/144; E05B
3/00; E05B 15/00; E05B 9/00; E05B
63/04; E05B 15/101; E05B 1/003; E05B
65/0811; E05B 17/18; E05B 83/00; Y10T
292/53; Y10T 16/458; Y10T 292/68;
Y10T 292/0803; Y10T 292/0848; Y10T
70/5199

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D683,205 S * 5/2013 Cramer D8/331
D768,463 S * 10/2016 Kraus D8/331
D783,384 S * 4/2017 Shargh D8/331
D786,653 S * 5/2017 Oliva Camacho D8/331
D790,950 S * 7/2017 Kraus D8/331
D795,041 S * 8/2017 Oliva Camacho D8/331
D861,462 S * 10/2019 Singtoroj D8/353
D879,588 S * 3/2020 Singtoroj D8/331

OTHER PUBLICATIONS

Samsung Store, SHS-3321 Digital Door Lock, Black, Keyless, Electronic, Deadbolt, Date first available Oct. 30, 2012, [online] retrieved Aug. 20, 2020, available from internet, www.amazon.com (Year: 2012).*

(Continued)

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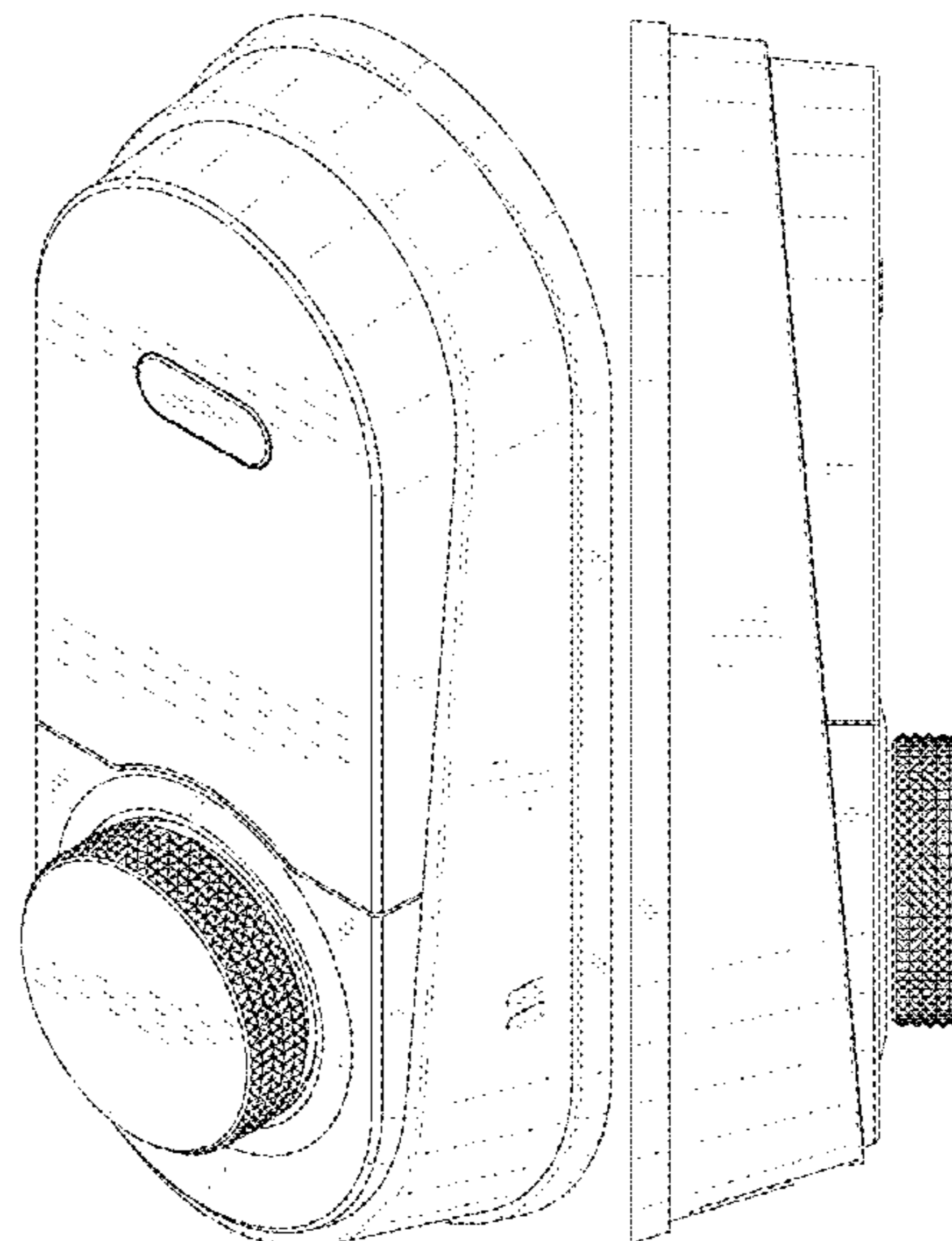
(57) **CLAIM**

We claim the ornamental design for a digital door lock, as shown and described.

DESCRIPTION

FIG. 1 is perspective view of a digital door lock, showing our 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.

1 Claim, 6 Drawing Sheets



(56)

References Cited

FOREIGN PATENT DOCUMENTS

KR 301023291.0000 * 2/2019

OTHER PUBLICATIONS

Alfred Store, Touchscreen Keypad Pin + Bluetooth + Key Entry (DB1-A-BL) Smart Door Lock, Date first available Jul. 2018, [online] retrieved Aug. 20, 2020, available from internet, www.amazon.com (Year: 2018).*

Samsung SDS, Installation Guide, Samsung Smart Lock, SHP-A30 Date first available Jul. 16, 2020, [online] retrieved Aug. 25, 2020, pdf (Year: 2020).*

Samsung SDS, Deadbolt SHP-A30, [online] retrieved Aug. 26, 2020, available from internet, <https://smarthome.samsungsds.com/doorlock/product/viewprdId=42&gotoPage=2&searchWord=&searchPrdType=SD&searchCatId1=3&searchCatId2=0> (Year: 2020).*

* cited by examiner

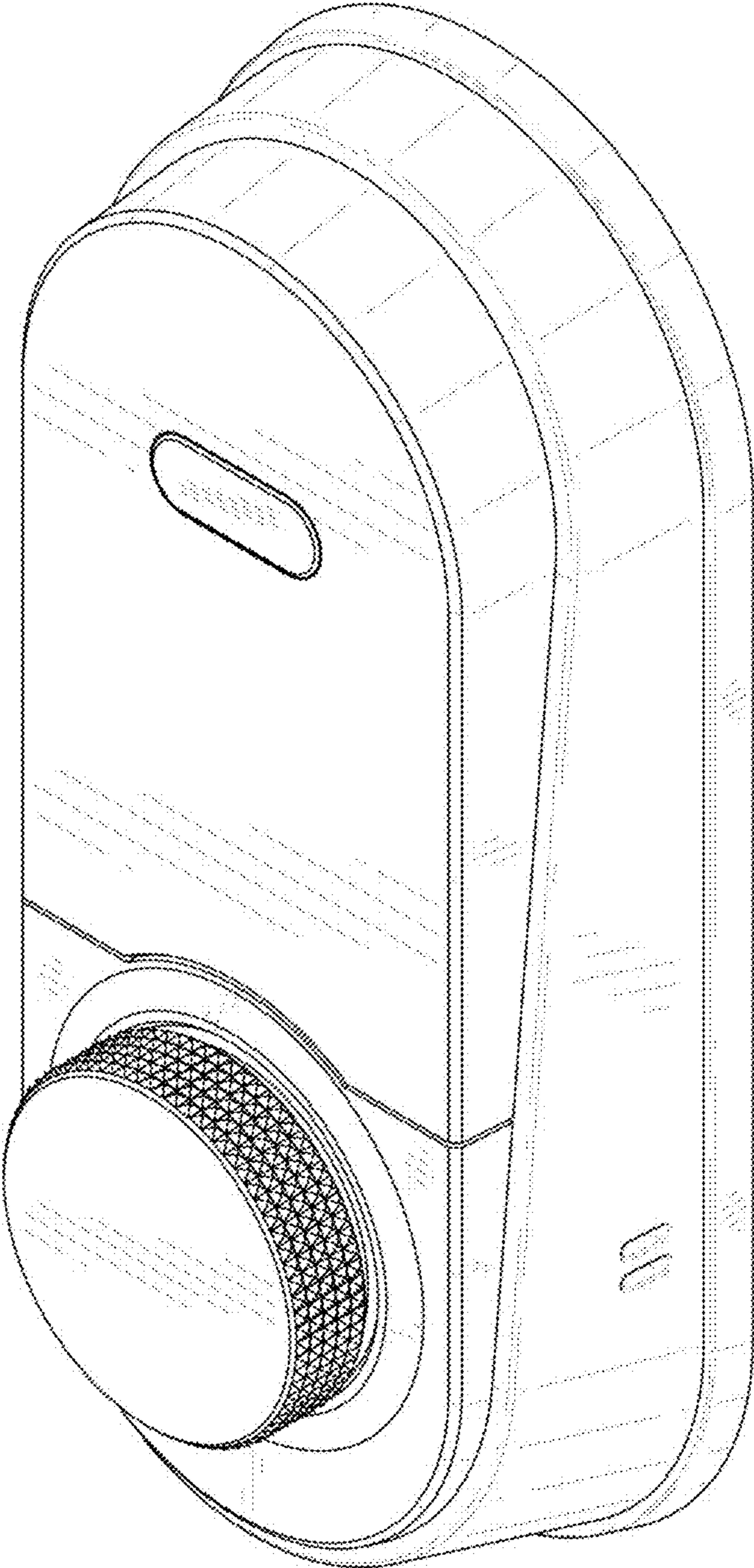


FIG. 1

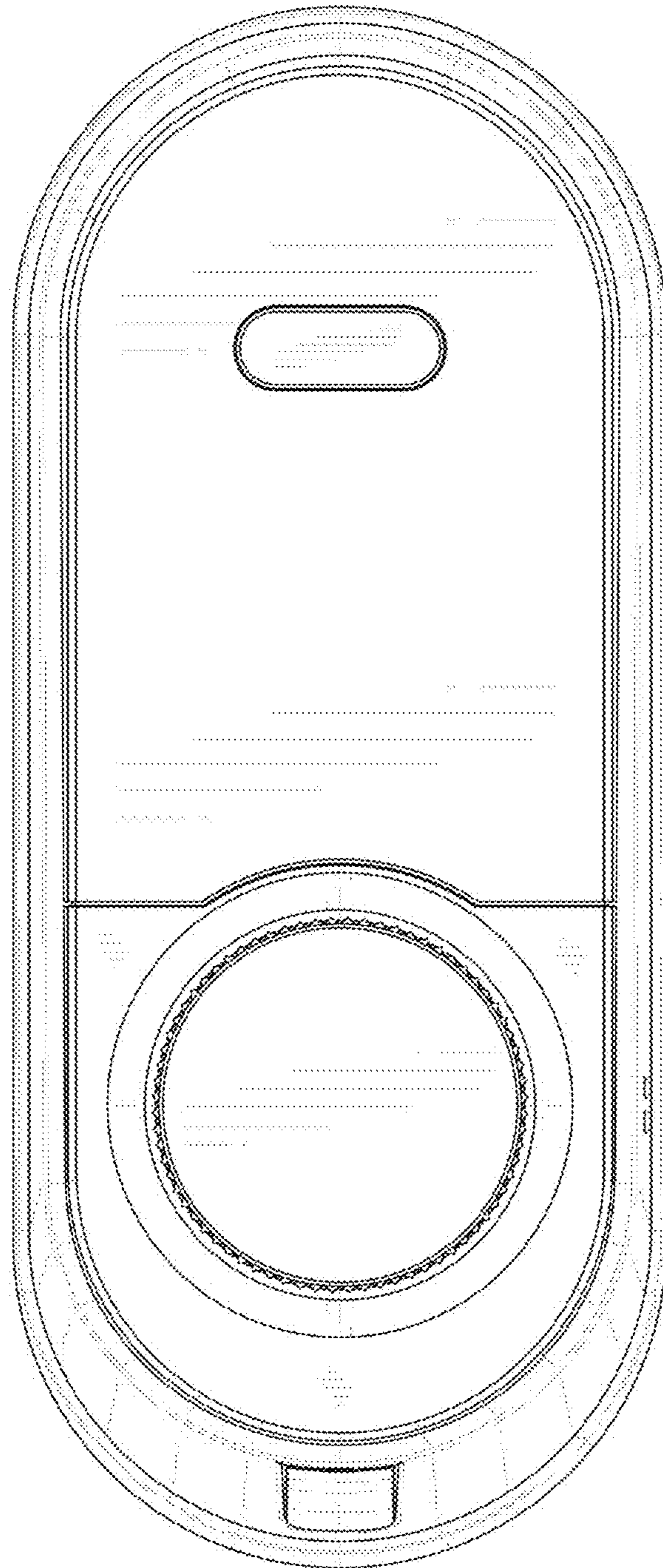


FIG. 2

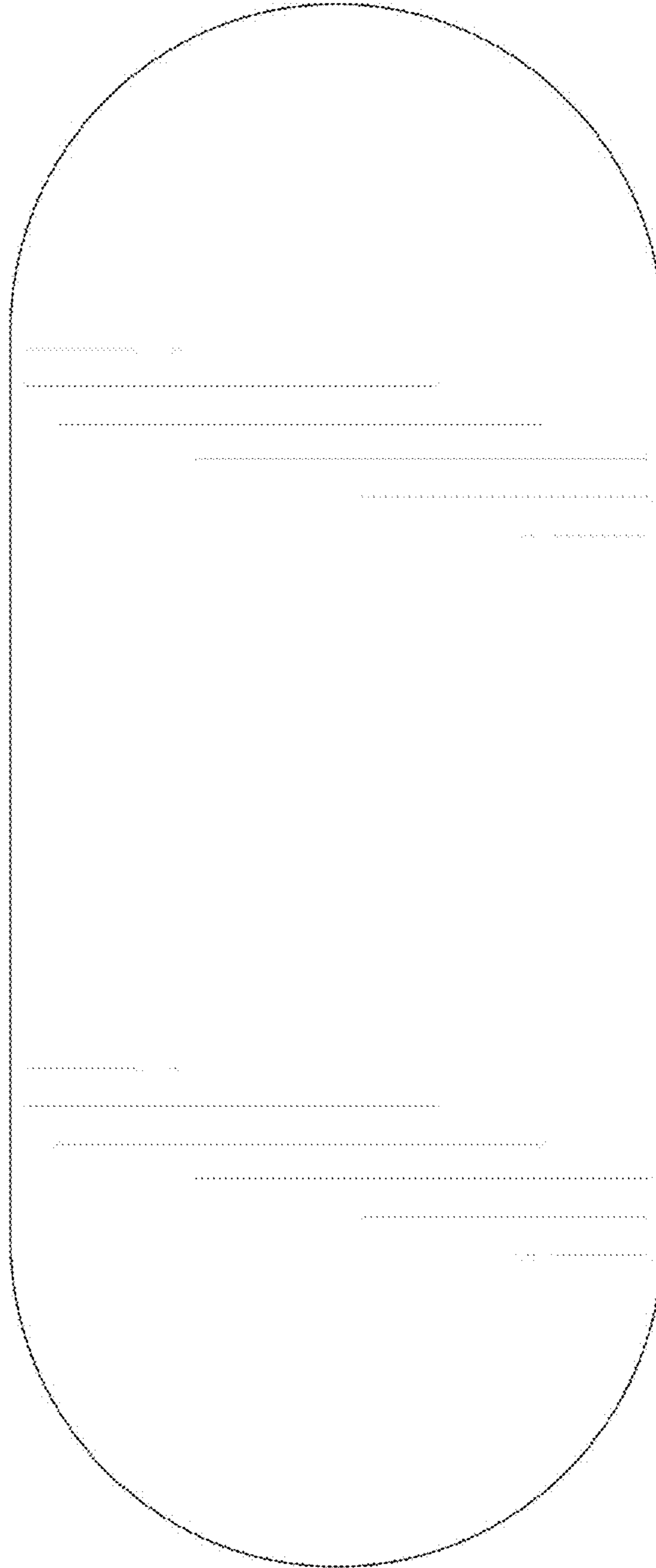


FIG. 3

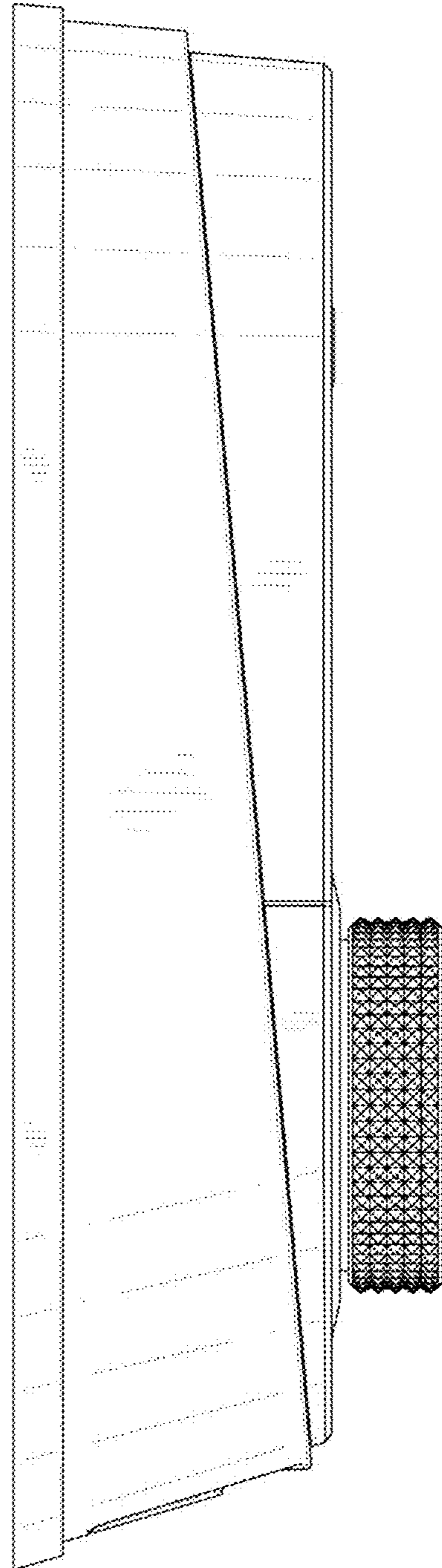


FIG. 4

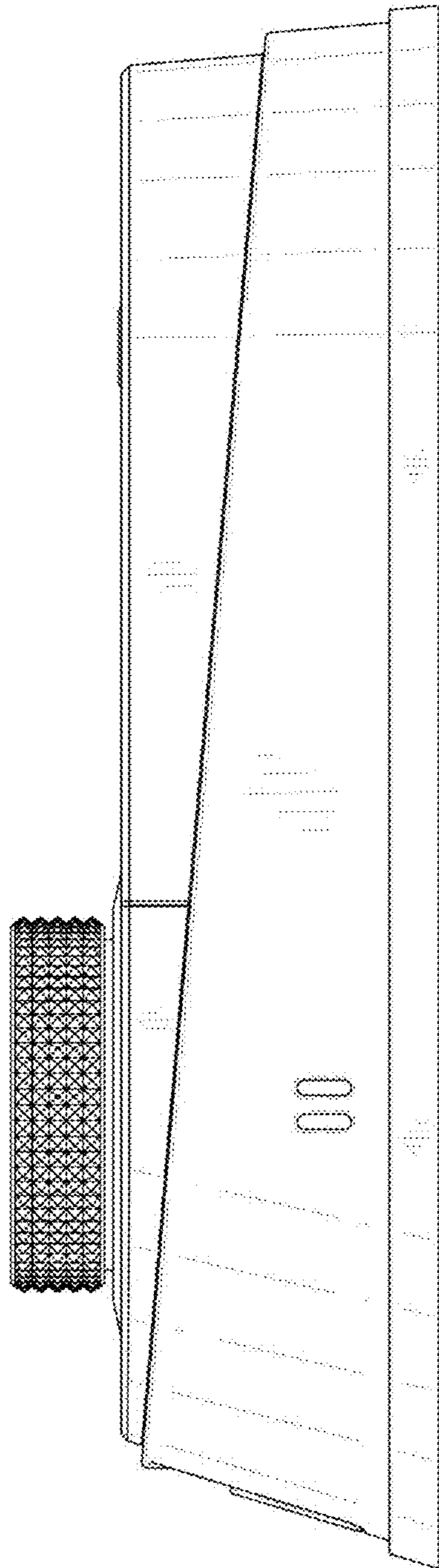


FIG. 5

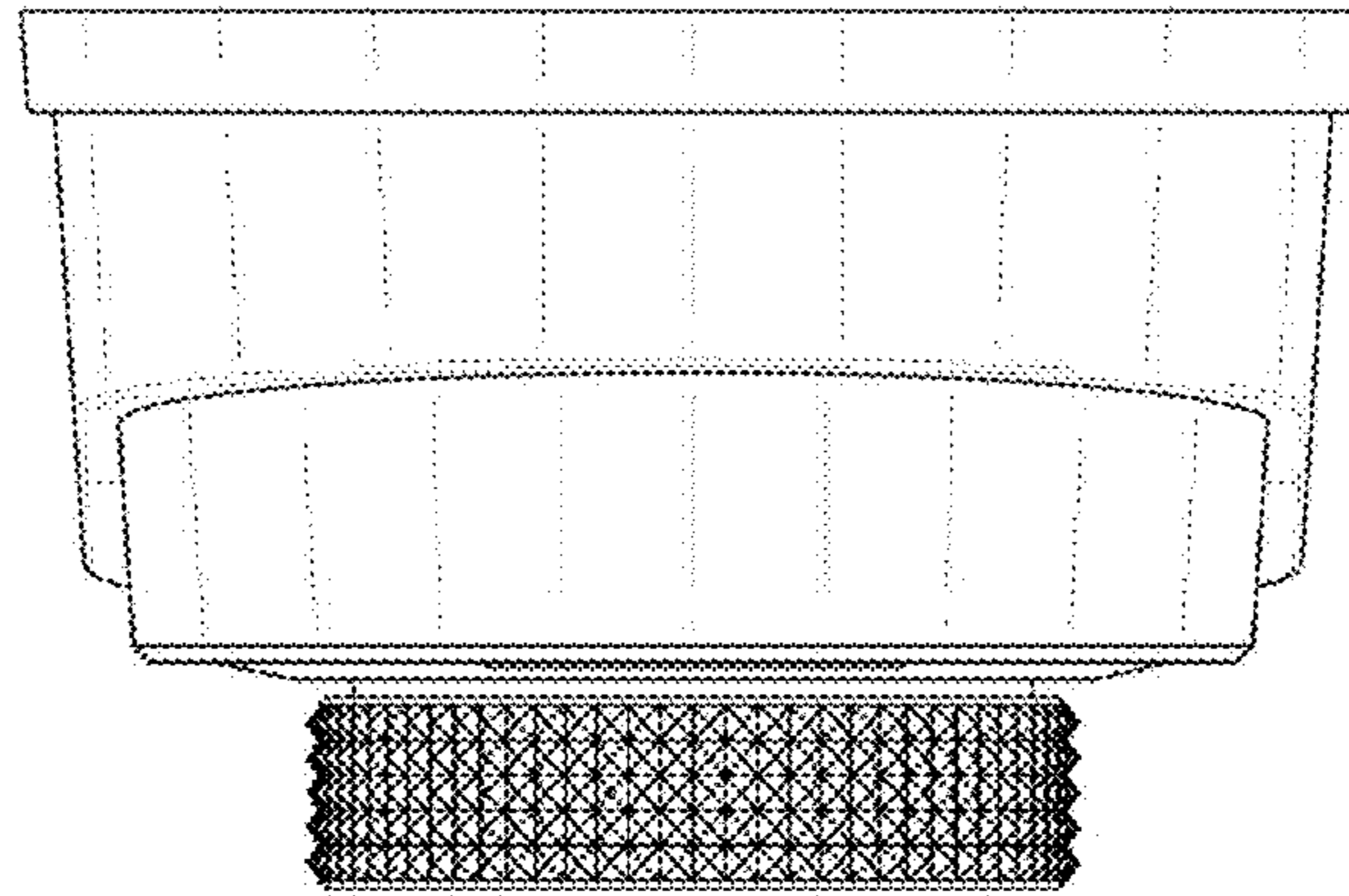


FIG. 6

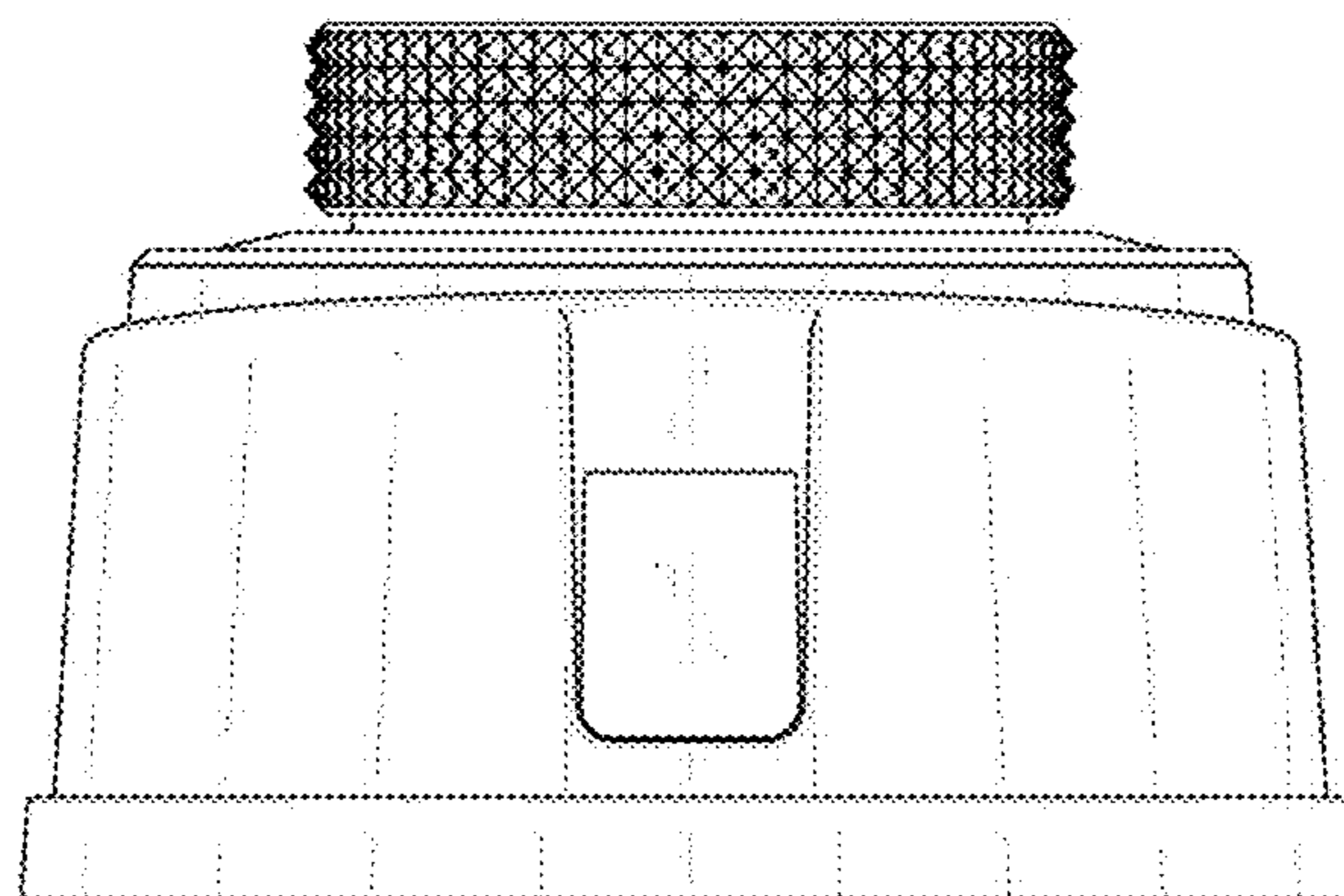


FIG. 7