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

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(54) **HOSE CONNECTOR**

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

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

(52) **U.S. Cl.**
USPC **D23/262**; D23/263

(58) **Field of Classification Search**
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D23/322–323, 213, 230–232, 245, 365,
D23/262–263, 266, 268, 231–232, 265;
210/222–223; 209/39; D13/147, 154,
D13/156; 138/26, 30; 285/9.1, 129.1,
285/133.11, 207.5, 208, 210, 213, 83,
285/275, 277, 148.14, 148.21, 268, 148.2,
285/179; D24/127, 129
CPC ... F28F 23/02; F28F 2250/08; F16L 2201/30;
F16L 25/00; F16L 55/04; F16K 51/36;
F16K 1/42; F16K 7/17; B01D 27/08;
B01D 24/10; B01D 33/50; B05B 1/18;
C02F 1/003; E03C 1/02

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 4,817,996 A * 4/1989 Fouts F16L 33/01
285/179
- 5,215,335 A * 6/1993 Hamm, Jr. F16L 33/00
248/68.1
- D356,147 S * 3/1995 Clivio D23/262
- D434,834 S * 12/2000 Goto D23/262
- D613,373 S * 4/2010 Zore D23/233
- 7,887,097 B2 * 2/2011 Blivet F16L 37/0841
285/45
- D634,820 S * 3/2011 Leroyer D23/263
- D645,547 S * 9/2011 Lombardi D23/262

- 8,303,000 B2 * 11/2012 Liu F16L 37/42
285/277
- D741,458 S * 10/2015 Guest D23/262
- D751,675 S * 3/2016 Gledhill D23/259
- D774,163 S * 12/2016 Solakian D23/213
- D804,618 S * 12/2017 Hurley D23/259
- D832,409 S * 10/2018 Sugatani D23/263
- 2010/0295292 A1 * 11/2010 Wang F16L 33/224
285/24

(Continued)

OTHER PUBLICATIONS

Uxcell Brass Barb Hose Fitting; Amazon First Available Date Mar. 8, 2019; Visited Online Nov. 24, 2021; https://www.amazon.com/uxcell-Fitting-Degree-Adapter-Connector/dp/B07PGZ5D79/ref=sr_1_118_sspa?keywords=Elbow%2BHose%2BConnector&qid=1637765039&s=hi&sr=1-118-sponZW5jcGVkUXVhbGlmaWVyPUFYTOIHNI (Year: 2019).*

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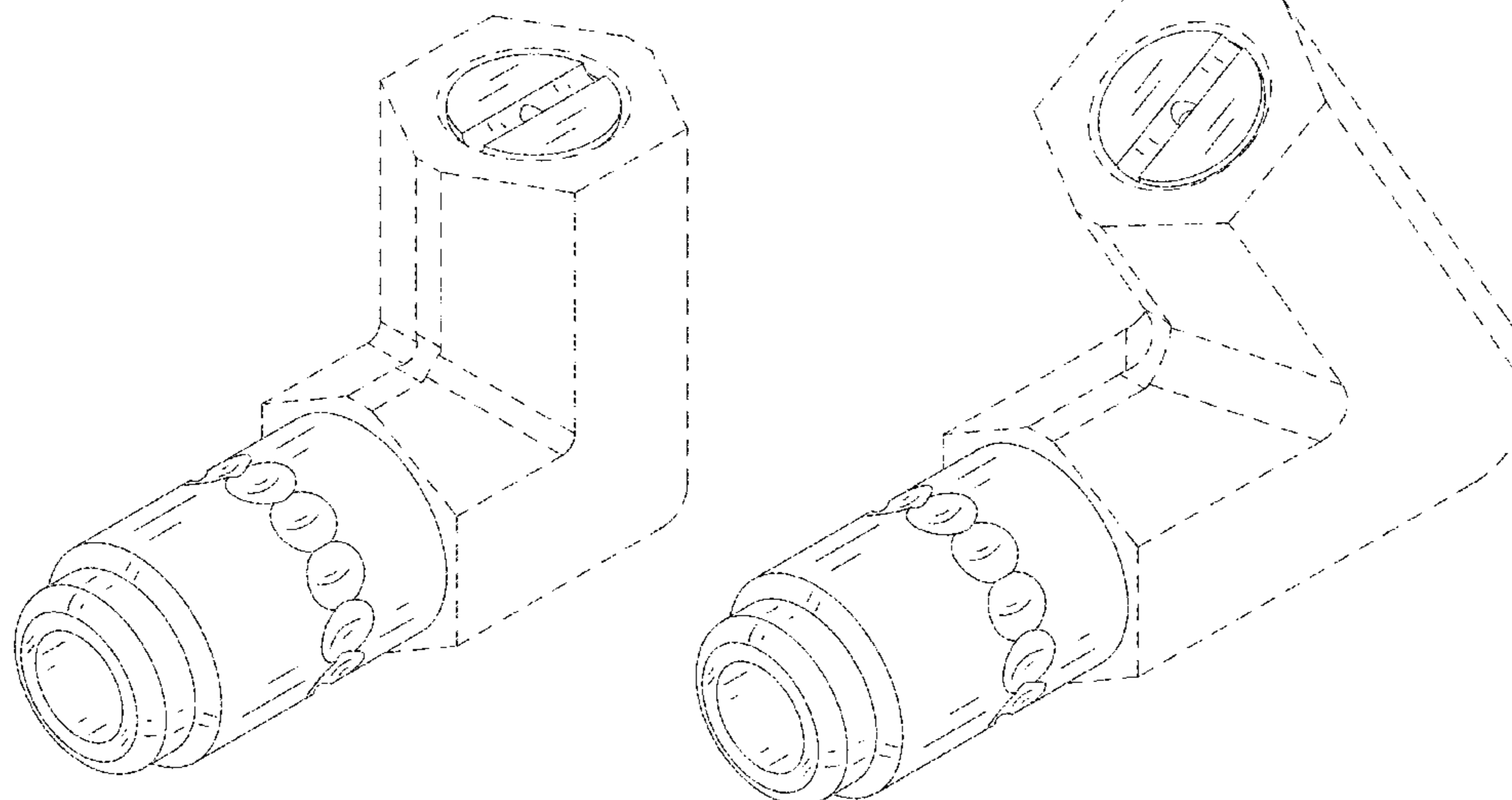
(57) **CLAIM**

The ornamental design for a hose connector, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a first embodiment of a hose connector 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;
FIG. 7 is a bottom plan view thereof; and,
FIG. 8 is a perspective view of a second embodiment of a hose connector showing my new design.
The dashed broken lines depict portions of the hose connector that form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2011/0271515 A1* 11/2011 Poder F16L 37/144
29/525.01
2014/0326345 A1* 11/2014 Kuo F16L 37/28
137/798
2015/0226360 A1* 8/2015 Souma B29C 45/2614
285/179

* cited by examiner

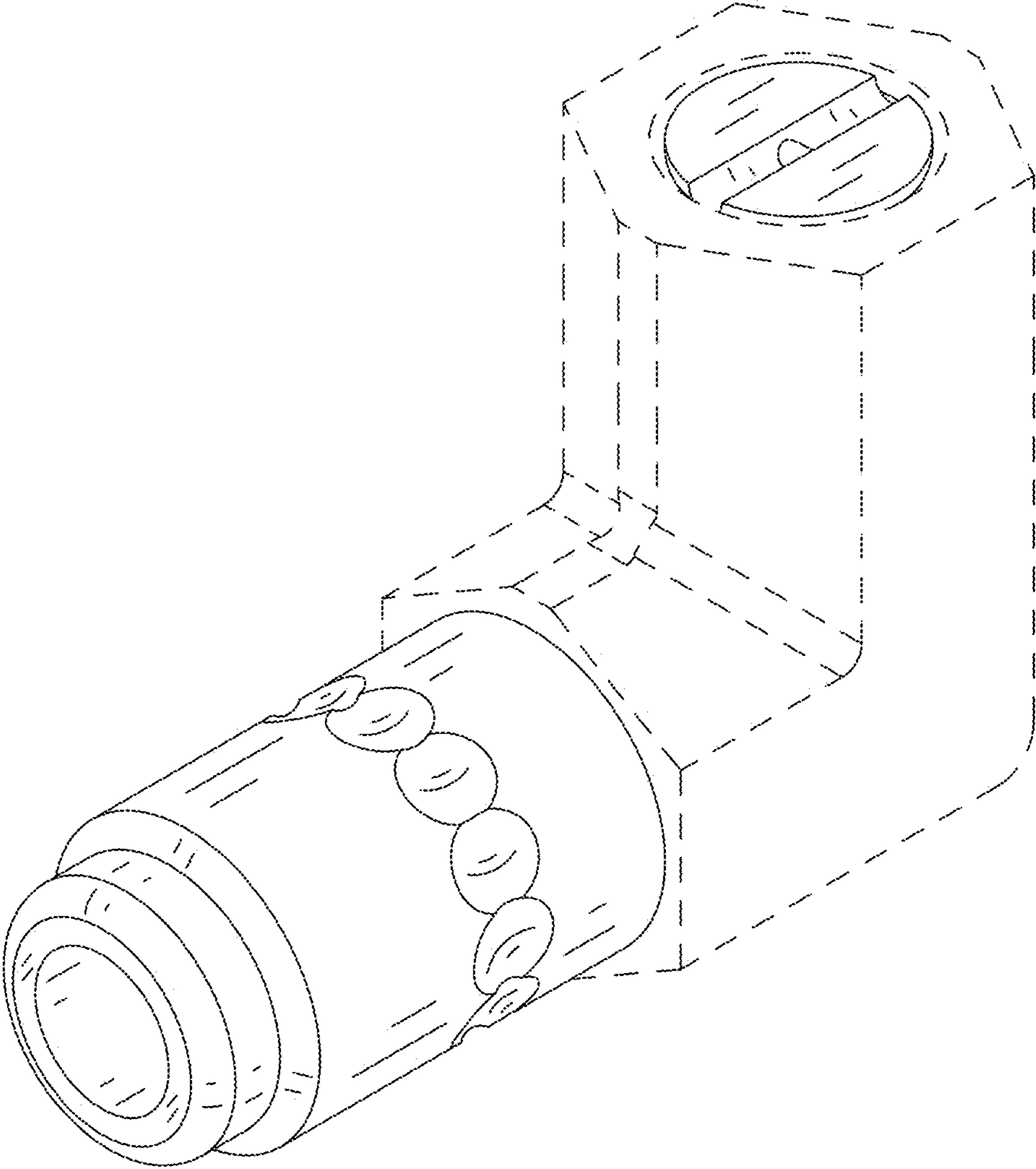


FIG. 1

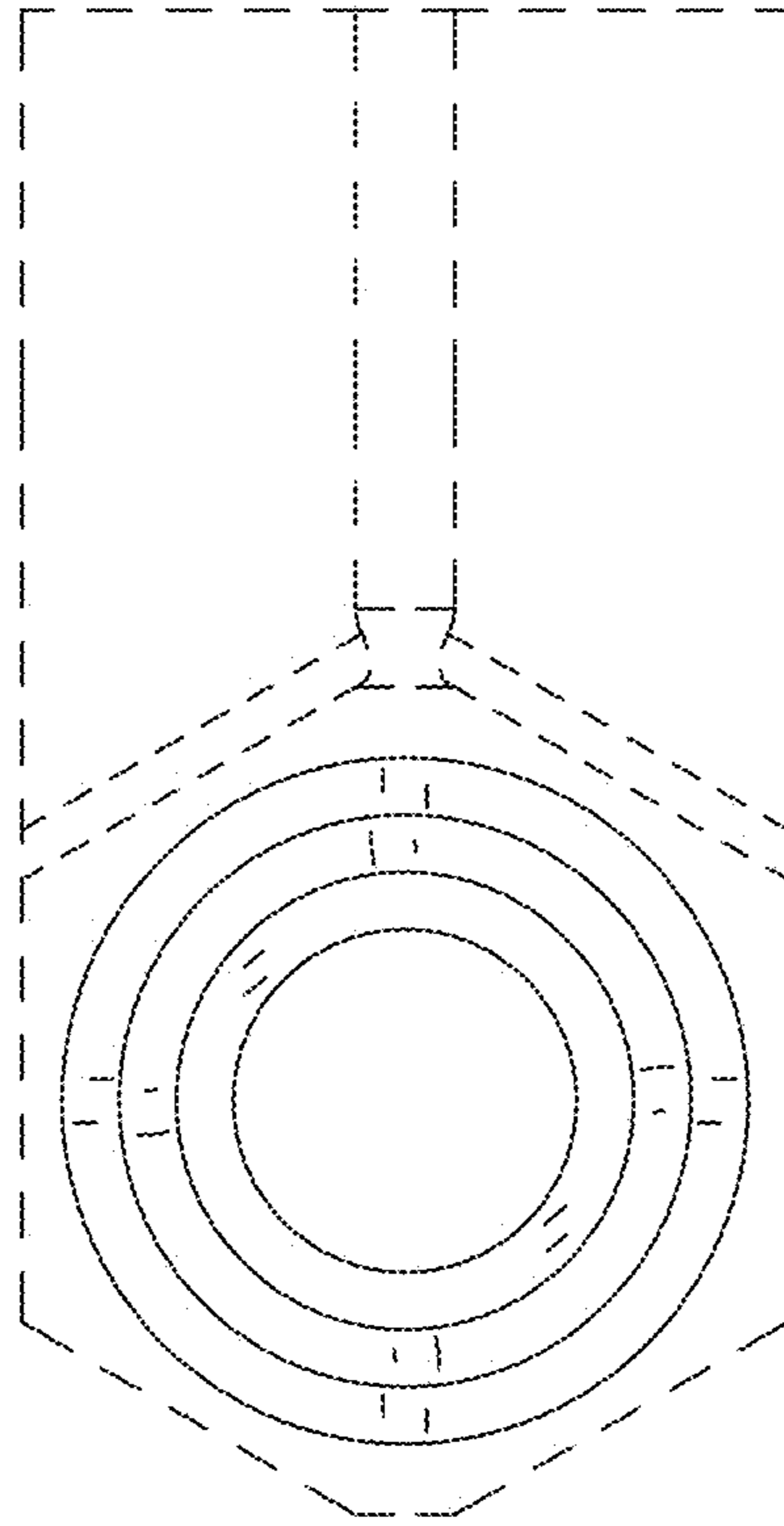


FIG. 2

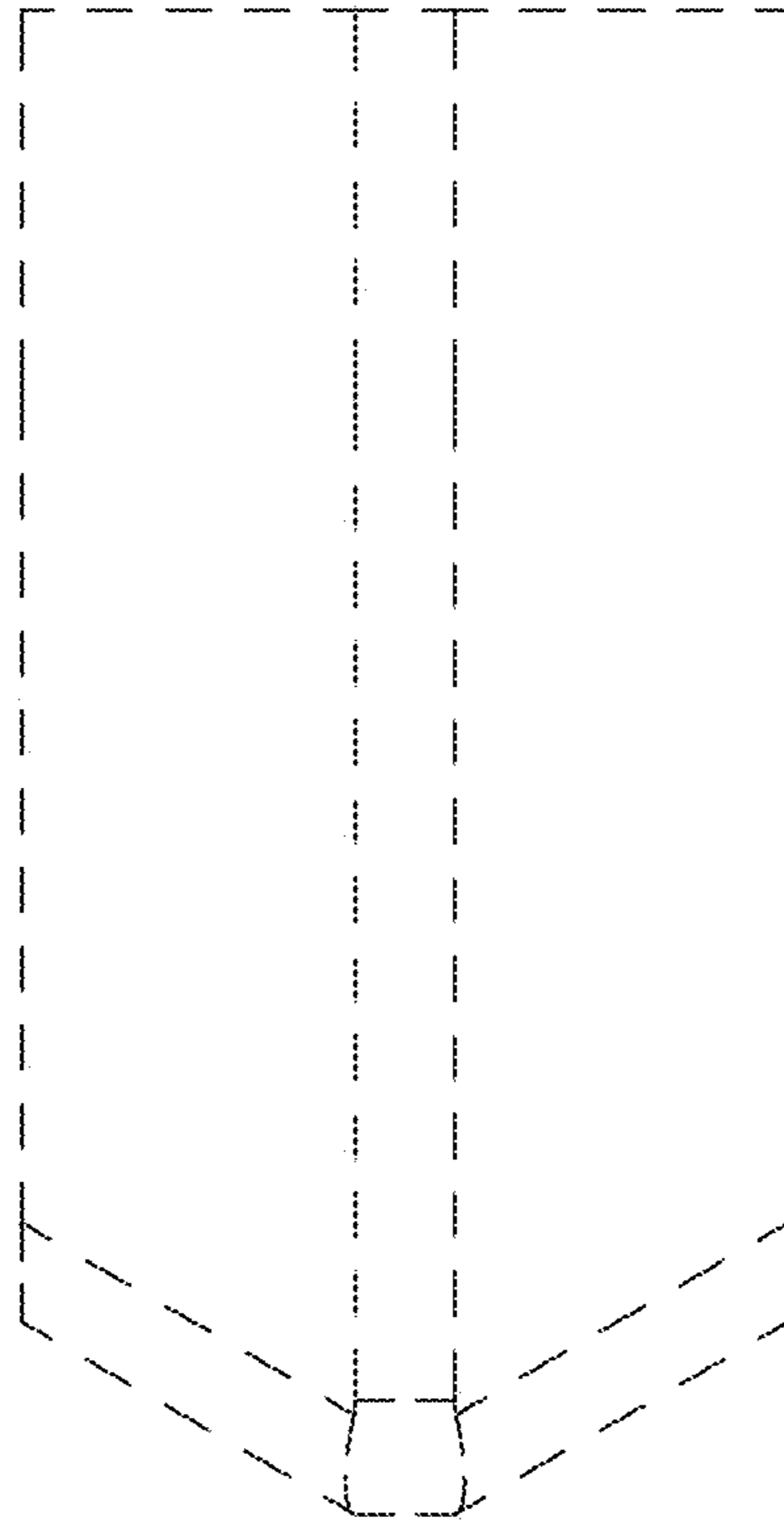


FIG. 3

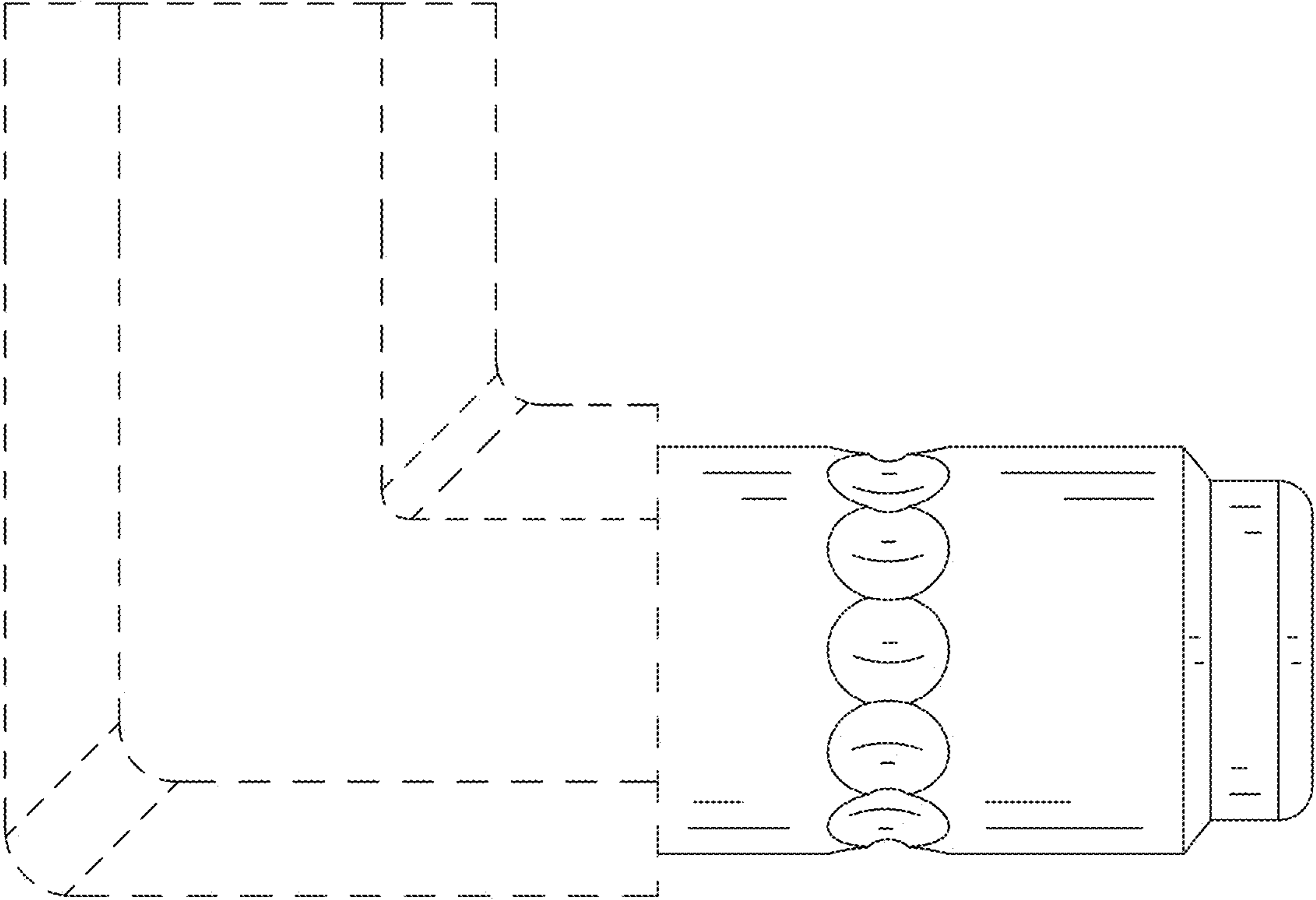


FIG. 4

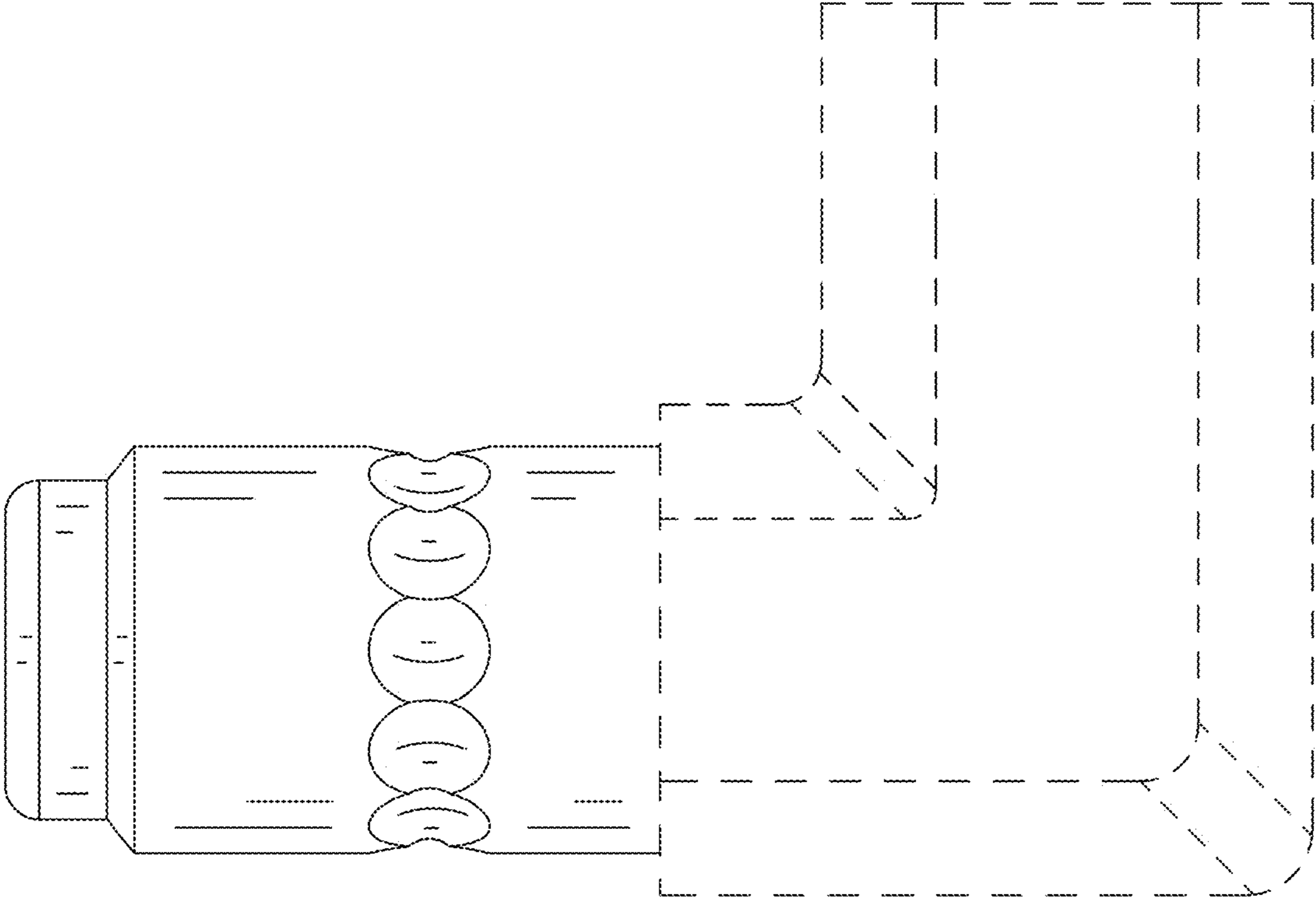


FIG. 5

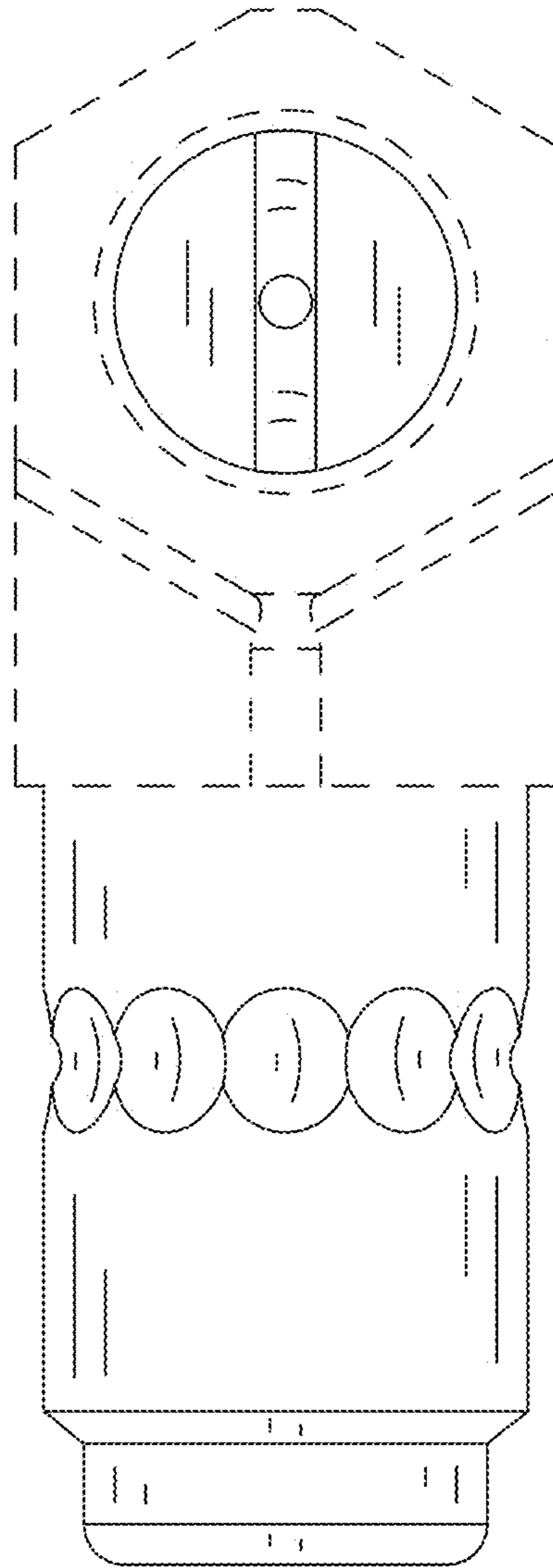


FIG. 6

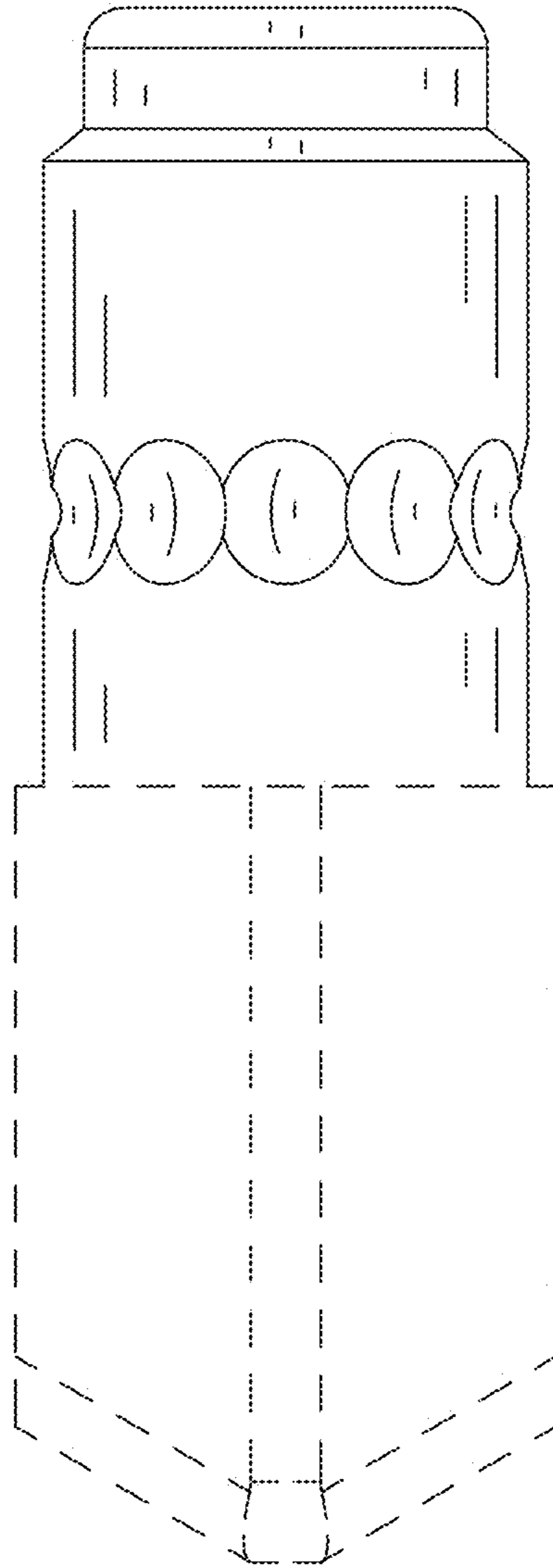


FIG. 7

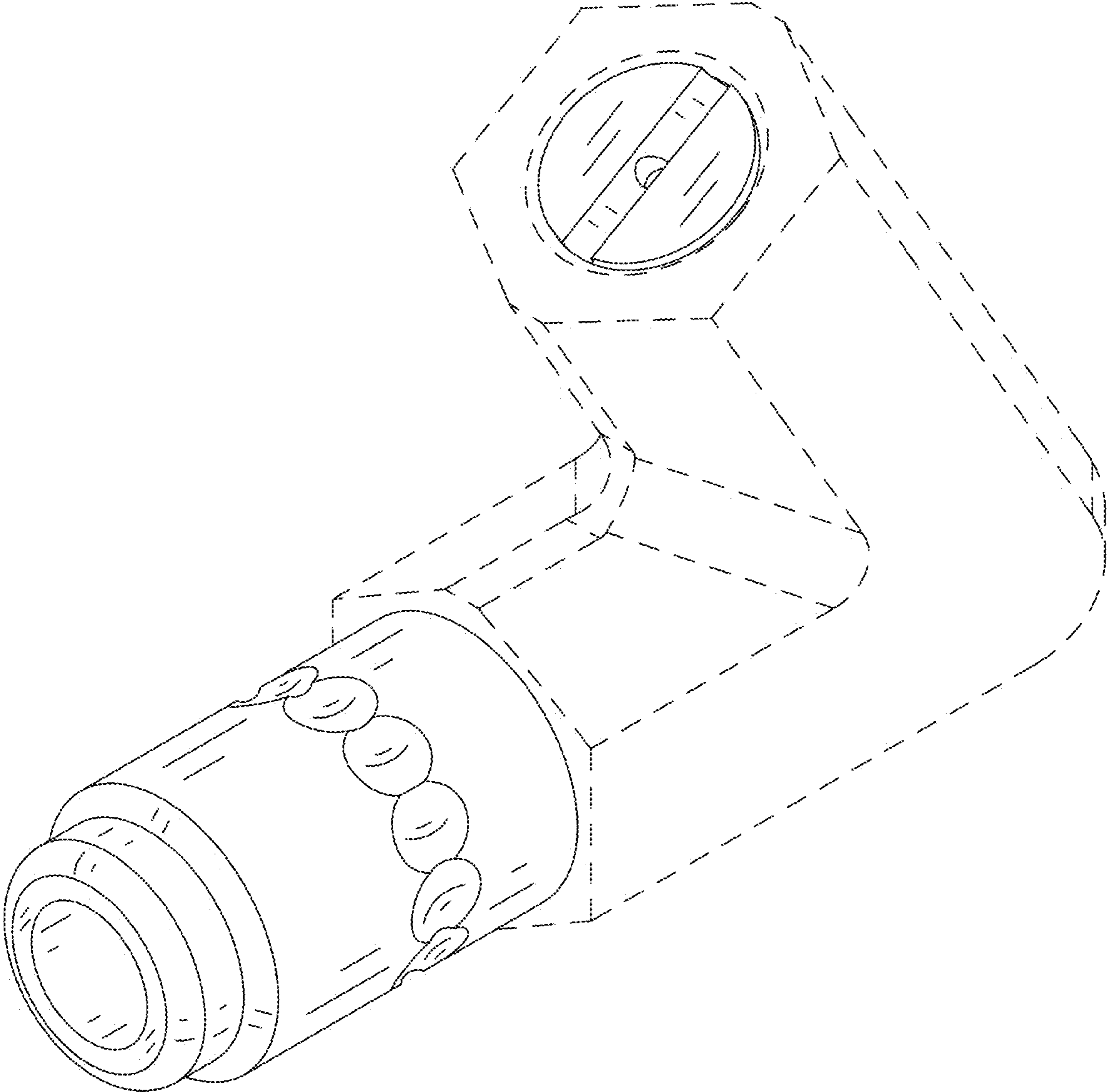


FIG. 8