



US00D955531S

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

(10) **Patent No.:** **US D955,531 S**
(45) **Date of Patent:** **** Jun. 21, 2022**

(54) **HOSE CONNECTOR**

(71) Applicant: **Spring Art Company**, Changhua (TW)

(72) Inventor: **Ming-Tsan Yen**, Changhua (TW)

(73) Assignee: **Spring Art Company**, Changhua (TW)

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

(21) Appl. No.: **29/757,550**

(22) Filed: **Nov. 6, 2020**

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

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

(58) **Field of Classification Search**
USPC D23/200, 206–209, 233–237, 259,
D23/322–323, 213, 230–232, 245, 365,
(Continued)

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(Continued)

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Primary Examiner — Amy C Wierenga

(74) *Attorney, Agent, or Firm* — Alan D. Kamrath; Karin L. Williams; Mayer & Williams PC

(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;
FIG. 8 is a perspective view of a second embodiment of a hose connector showing my new design;
FIG. 9 is a front elevational view of the hose connector of FIG. 8;
FIG. 10 is a rear elevational view of the hose connector of FIG. 8;
FIG. 11 is a left side elevational view of the hose connector of FIG. 8;
FIG. 12 is a right side elevational view of the hose connector of FIG. 8;
FIG. 13 is a top plan view of the hose connector of FIG. 8;
FIG. 14 is a bottom plan view of the hose connector of FIG. 8;
FIG. 15 is a perspective view of a third embodiment of a hose connector showing my new design;
FIG. 16 is a front elevational view of the hose connector of FIG. 15;
FIG. 17 is a rear elevational view of the hose connector of FIG. 15;
FIG. 18 is a left side elevational view of the hose connector of FIG. 15;
FIG. 19 is a right side elevational view of the hose connector of FIG. 15;
FIG. 20 is a top plan view of the hose connector of FIG. 15;
FIG. 21 is a bottom plan view of the hose connector of FIG. 15;
FIG. 22 is a perspective view of a fourth embodiment of a hose connector showing my new design;
FIG. 23 is a front elevational view of the hose connector of FIG. 22;

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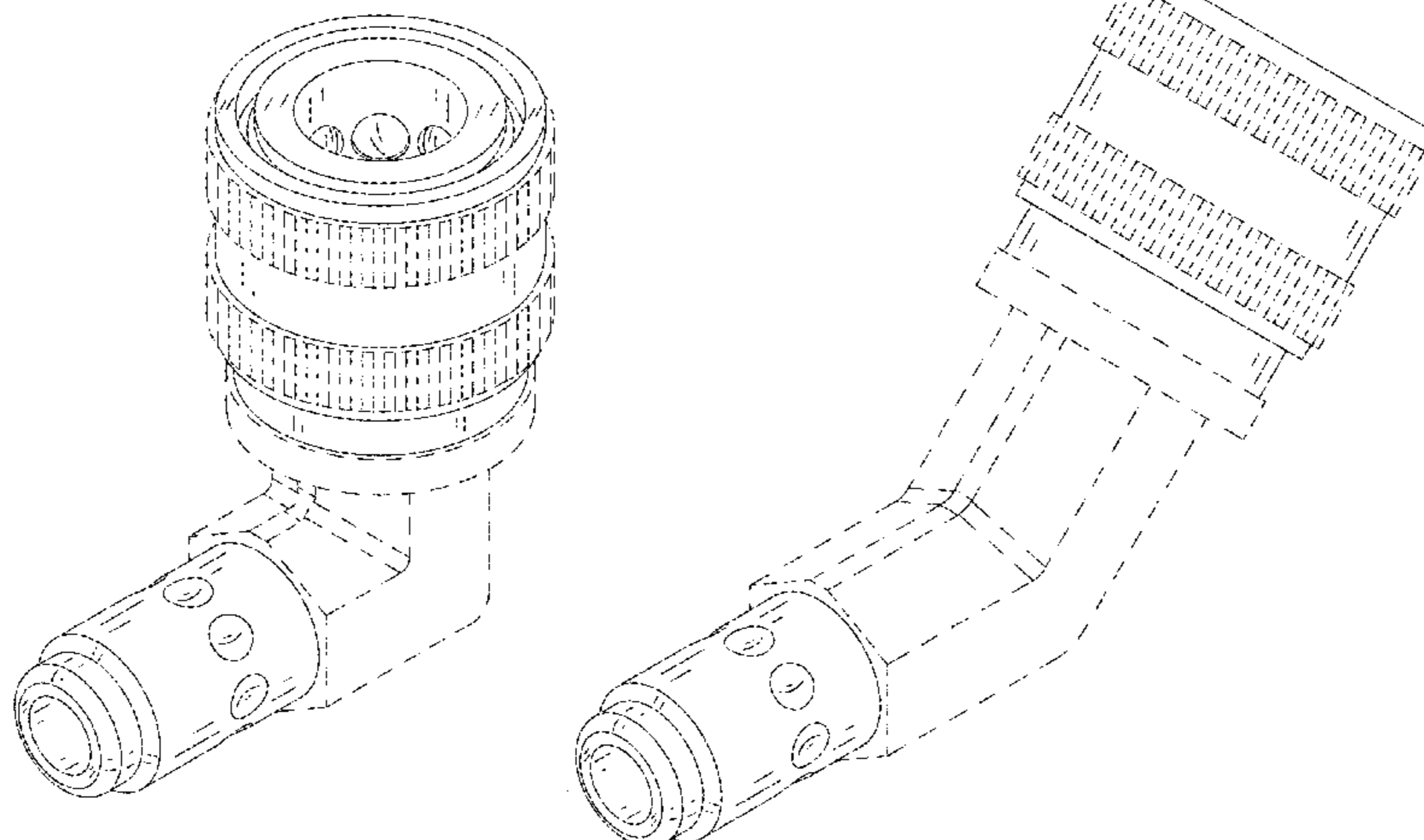


FIG. 24 is a rear elevational view of the hose connector of FIG. 22;
 FIG. 25 is a left side elevational view of the hose connector of FIG. 22;
 FIG. 26 is a right side elevational view of the hose connector of FIG. 22;
 FIG. 27 is a top plan view of the hose connector of FIG. 22; and,
 FIG. 28 is a bottom plan view of the hose connector of FIG. 22.
 The broken lines showing of the hose connector is for the purpose of illustrating portions of the article and forms no part of the claimed design.

1 Claim, 28 Drawing Sheets

(58) **Field of Classification Search**

USPC 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.

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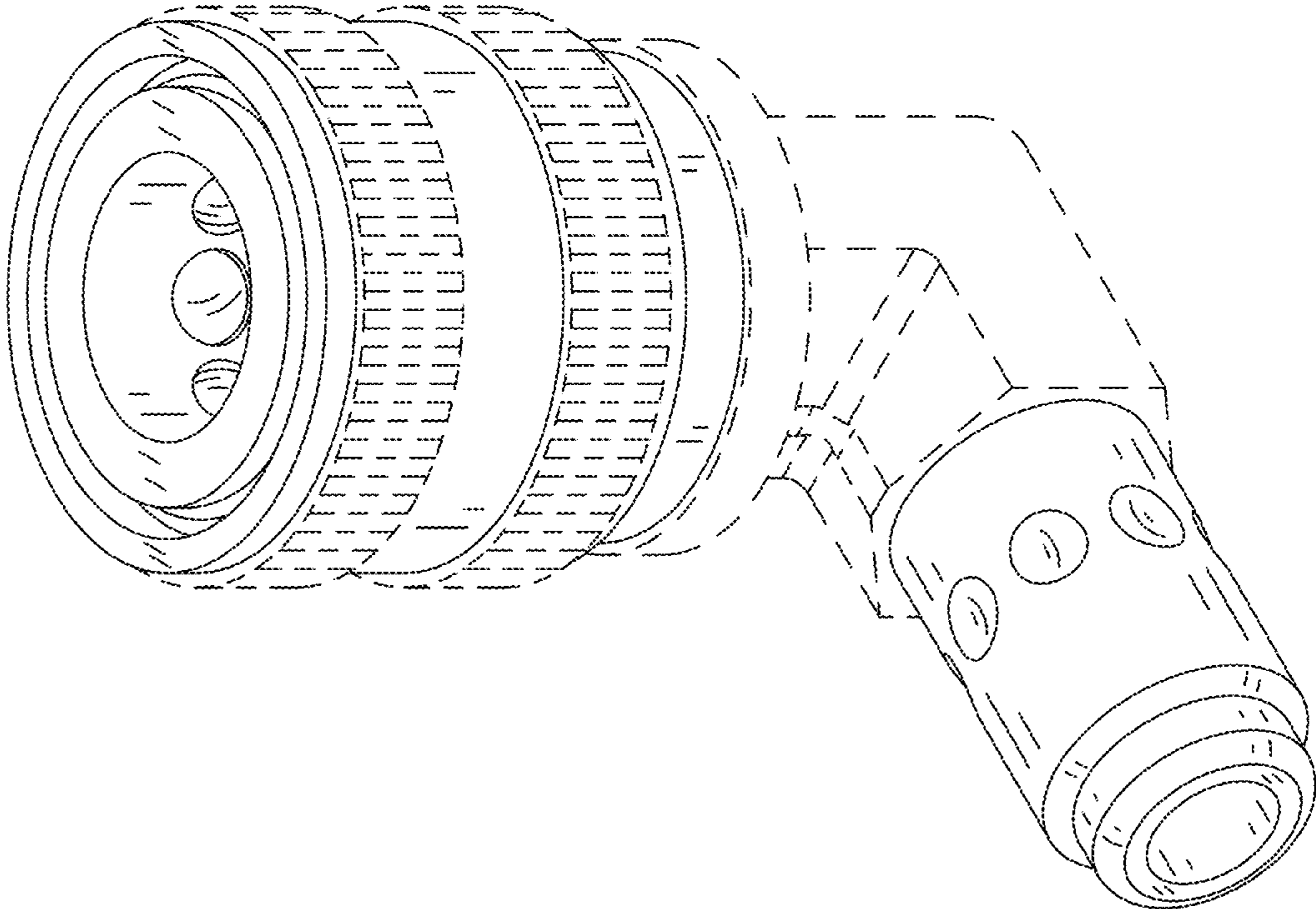


FIG. 1

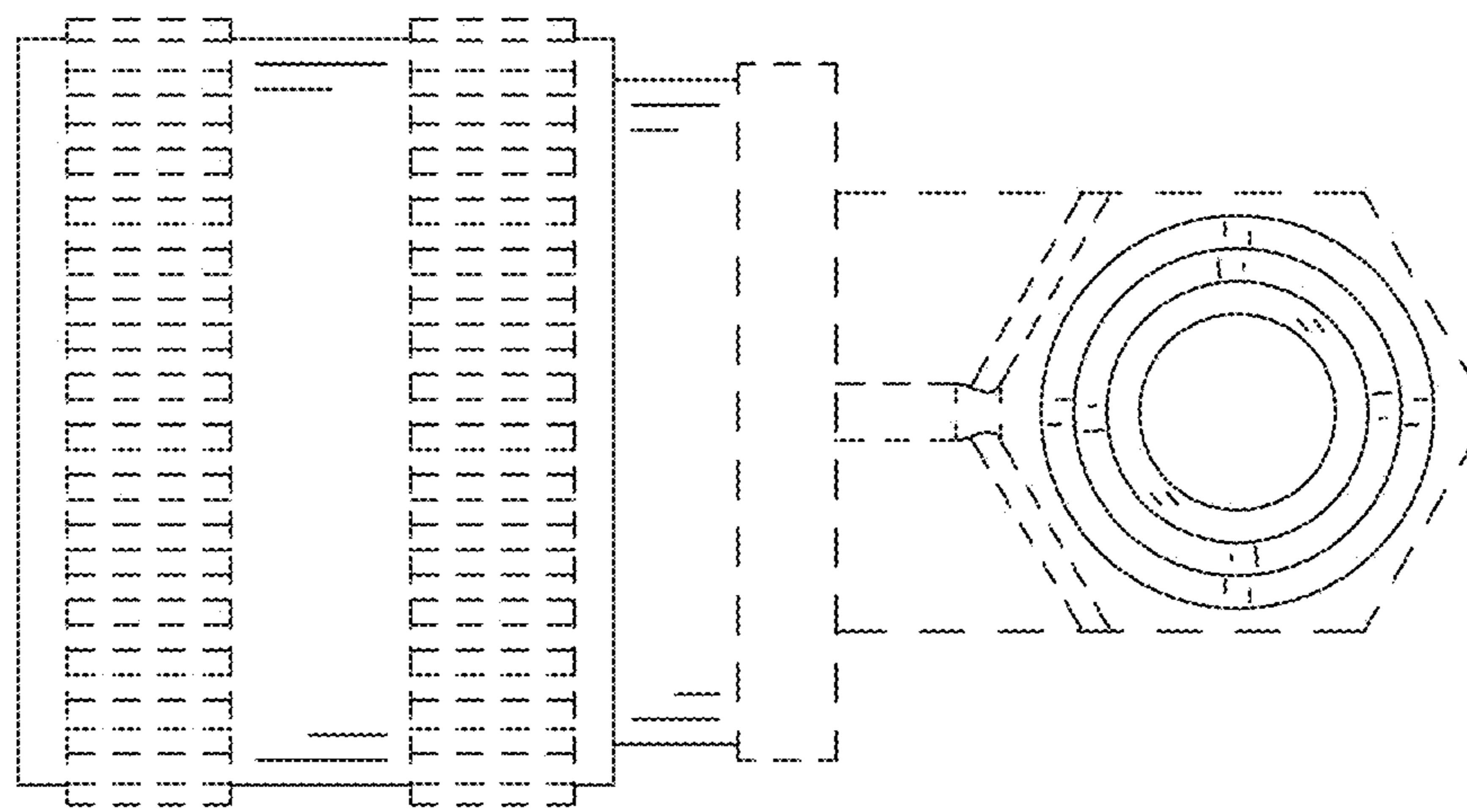


FIG. 2

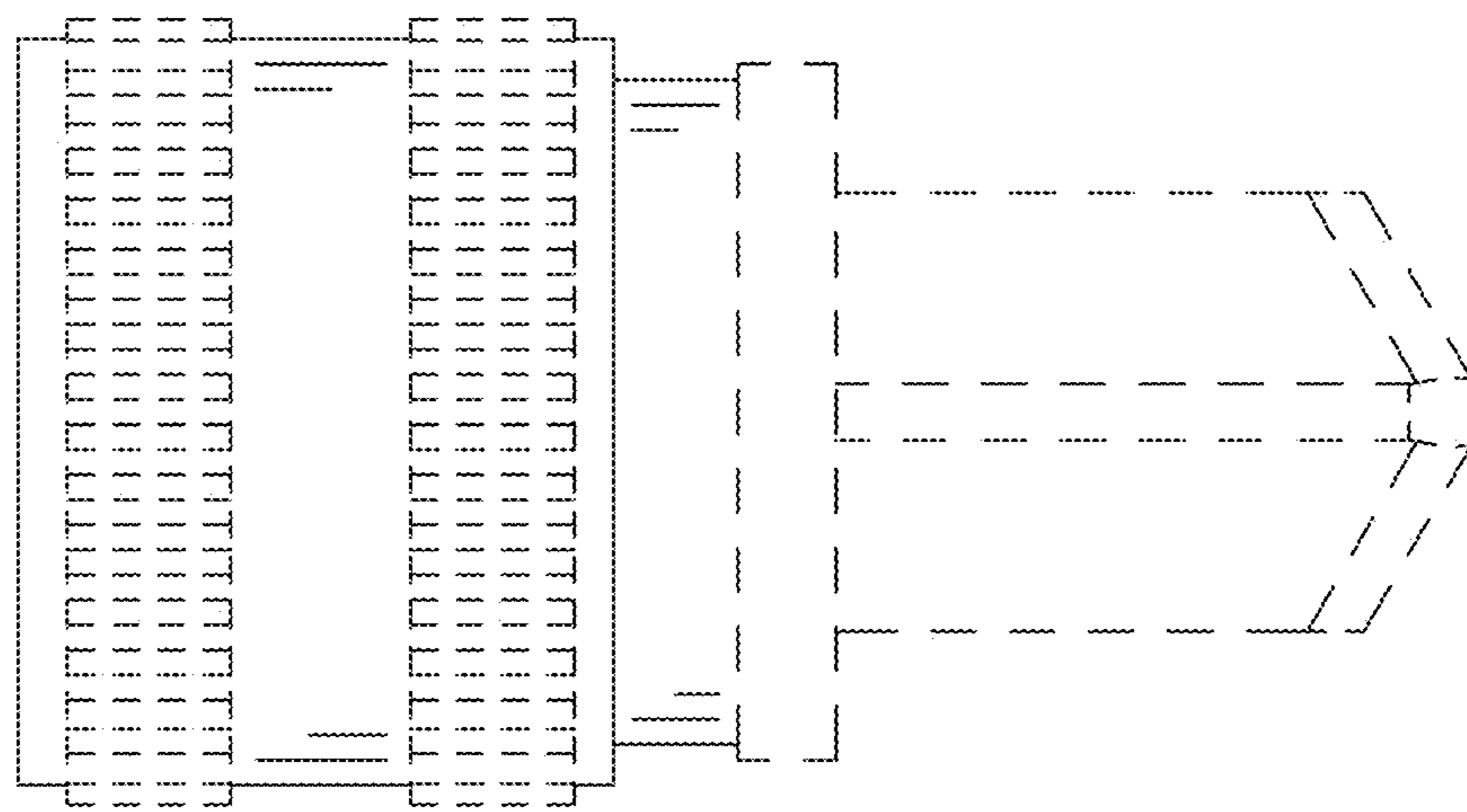


FIG. 3

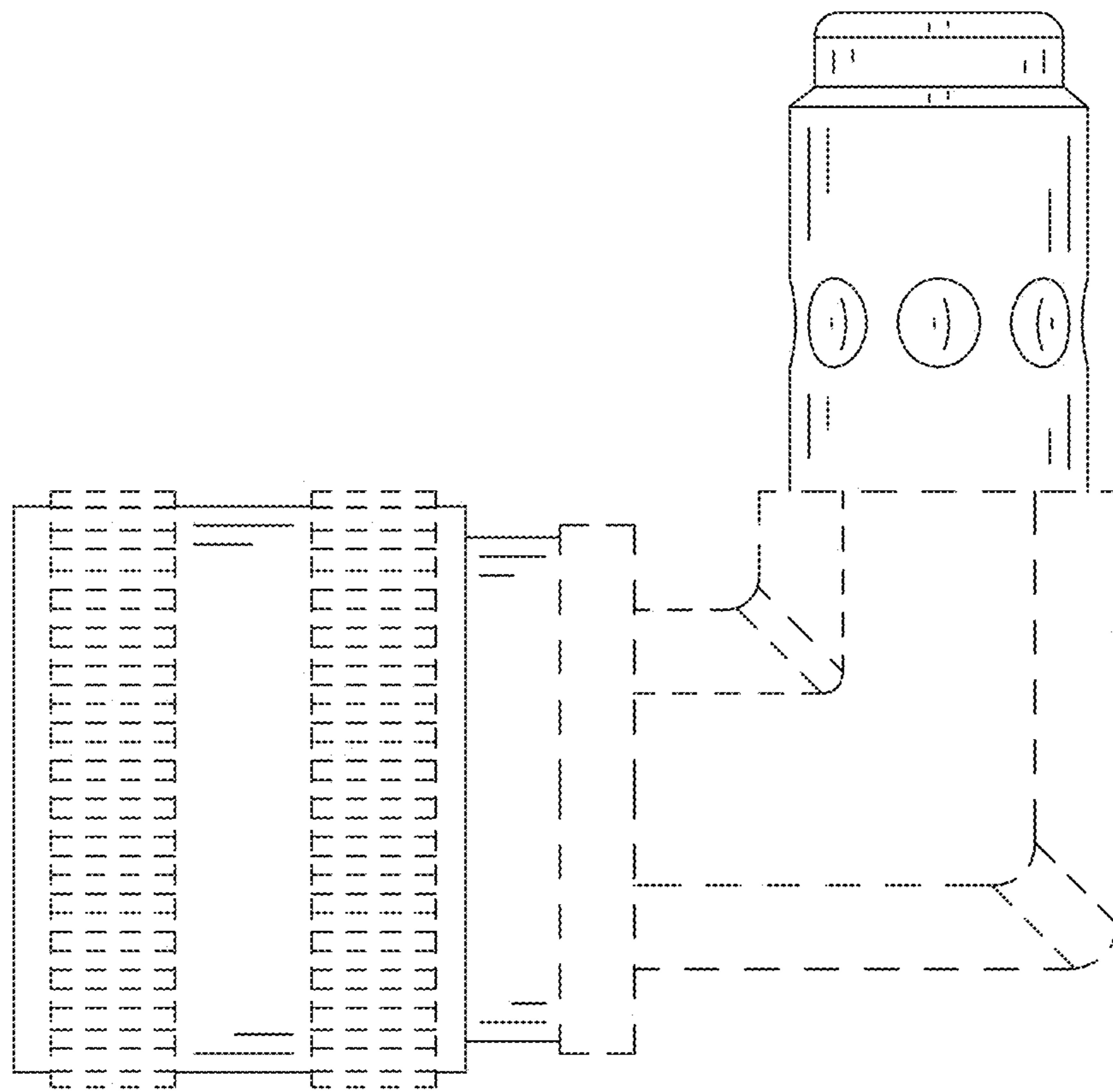


FIG. 4

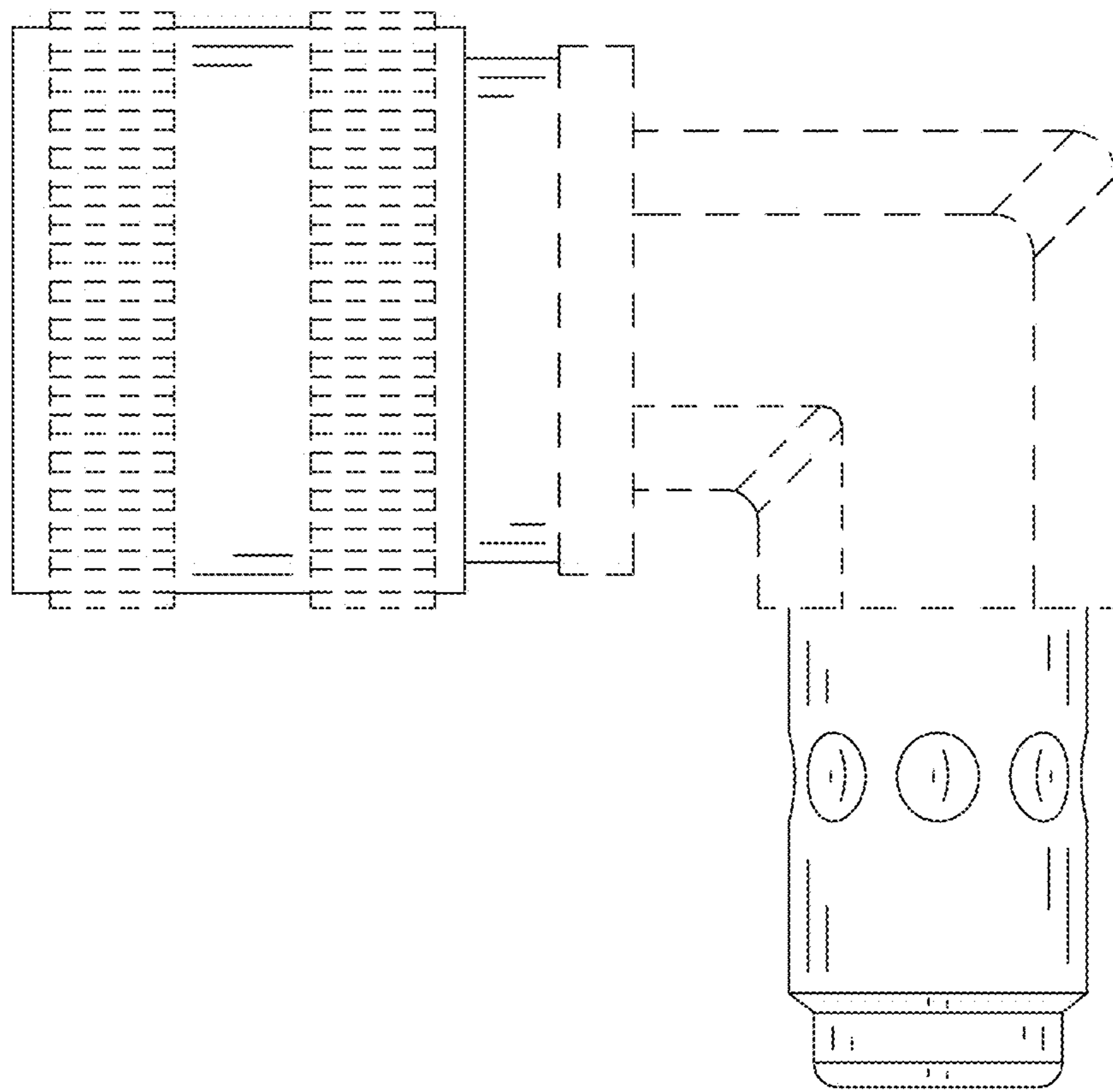


FIG. 5

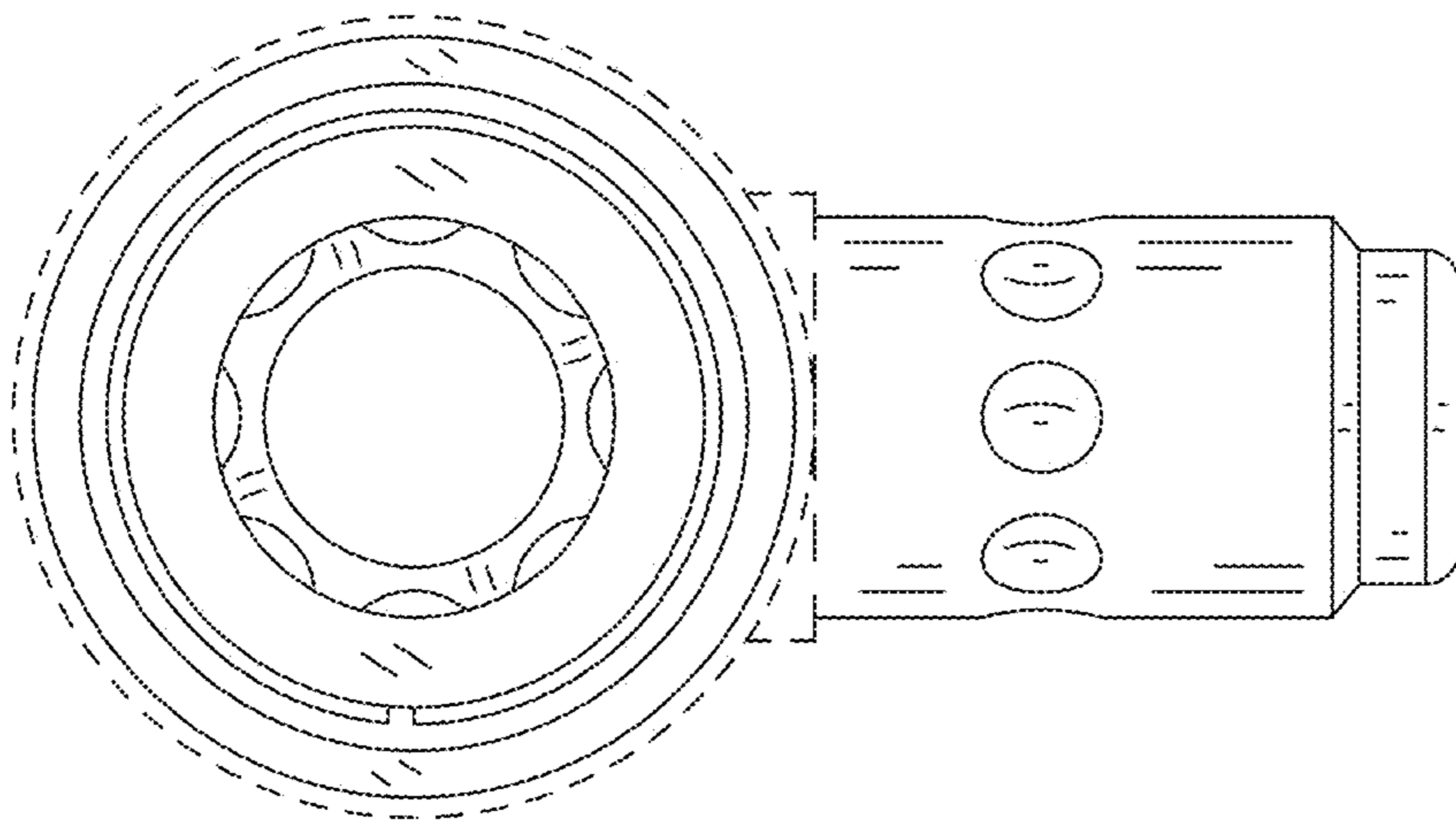


FIG. 6

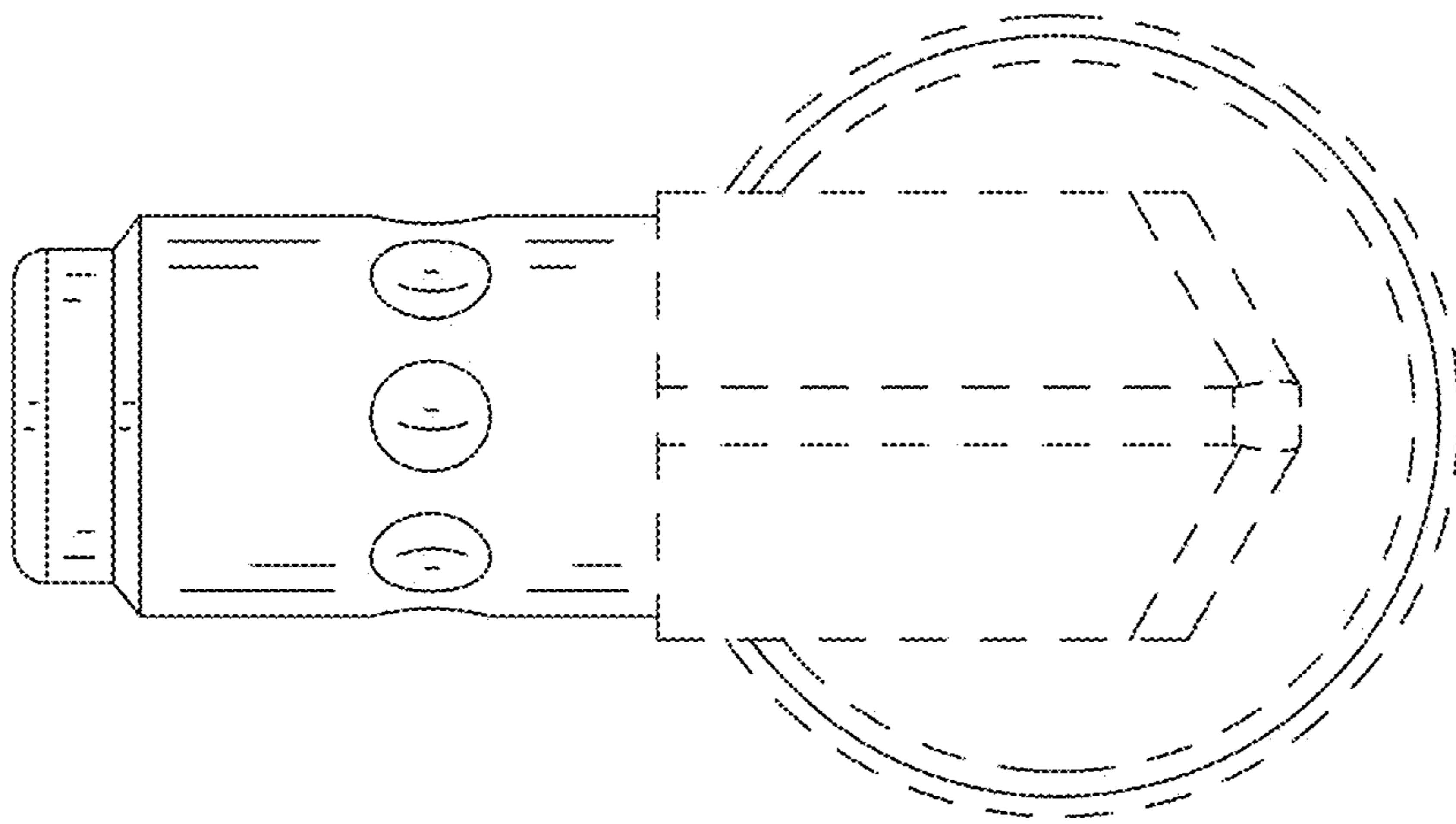


FIG. 7

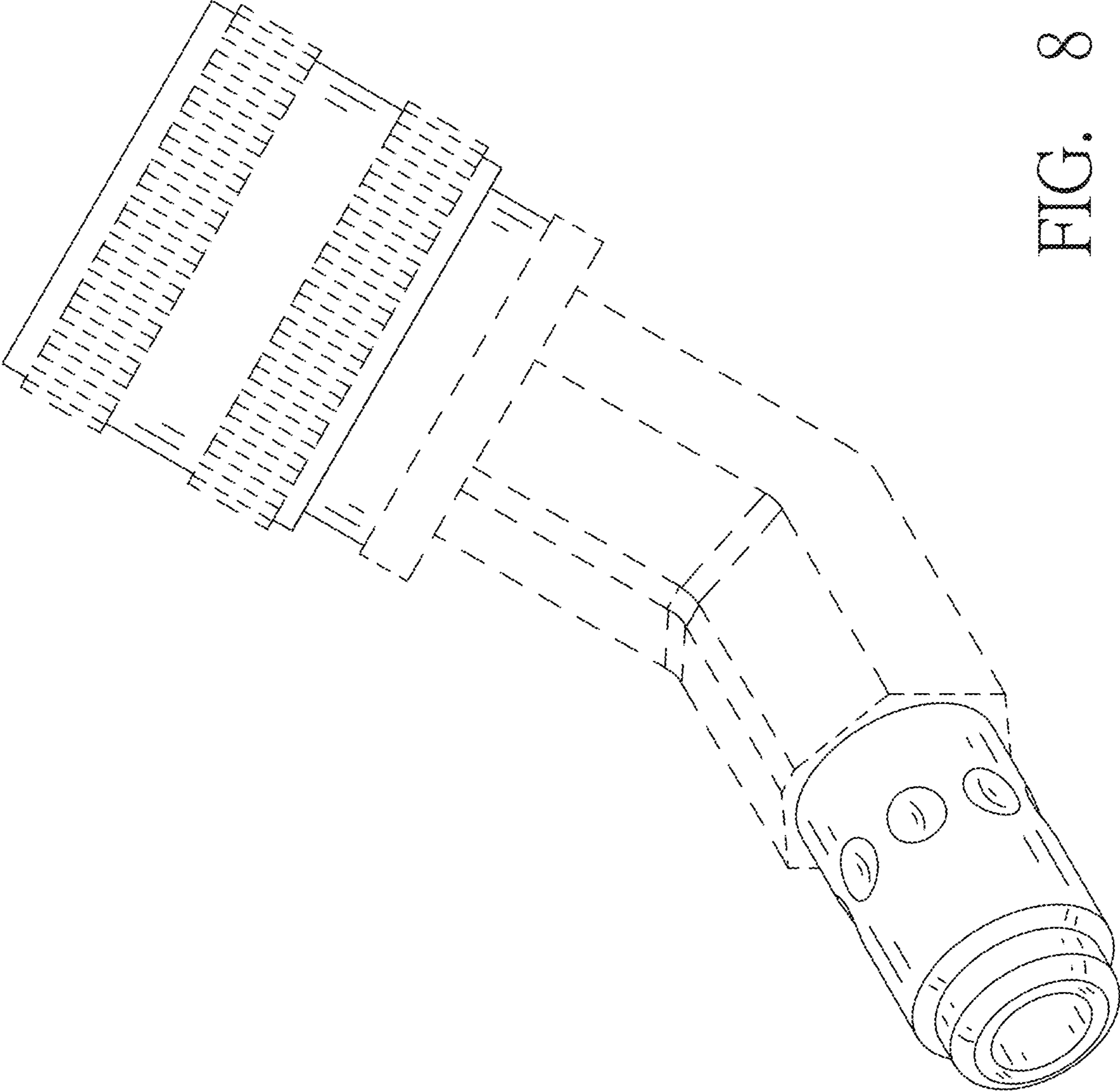


FIG. 8

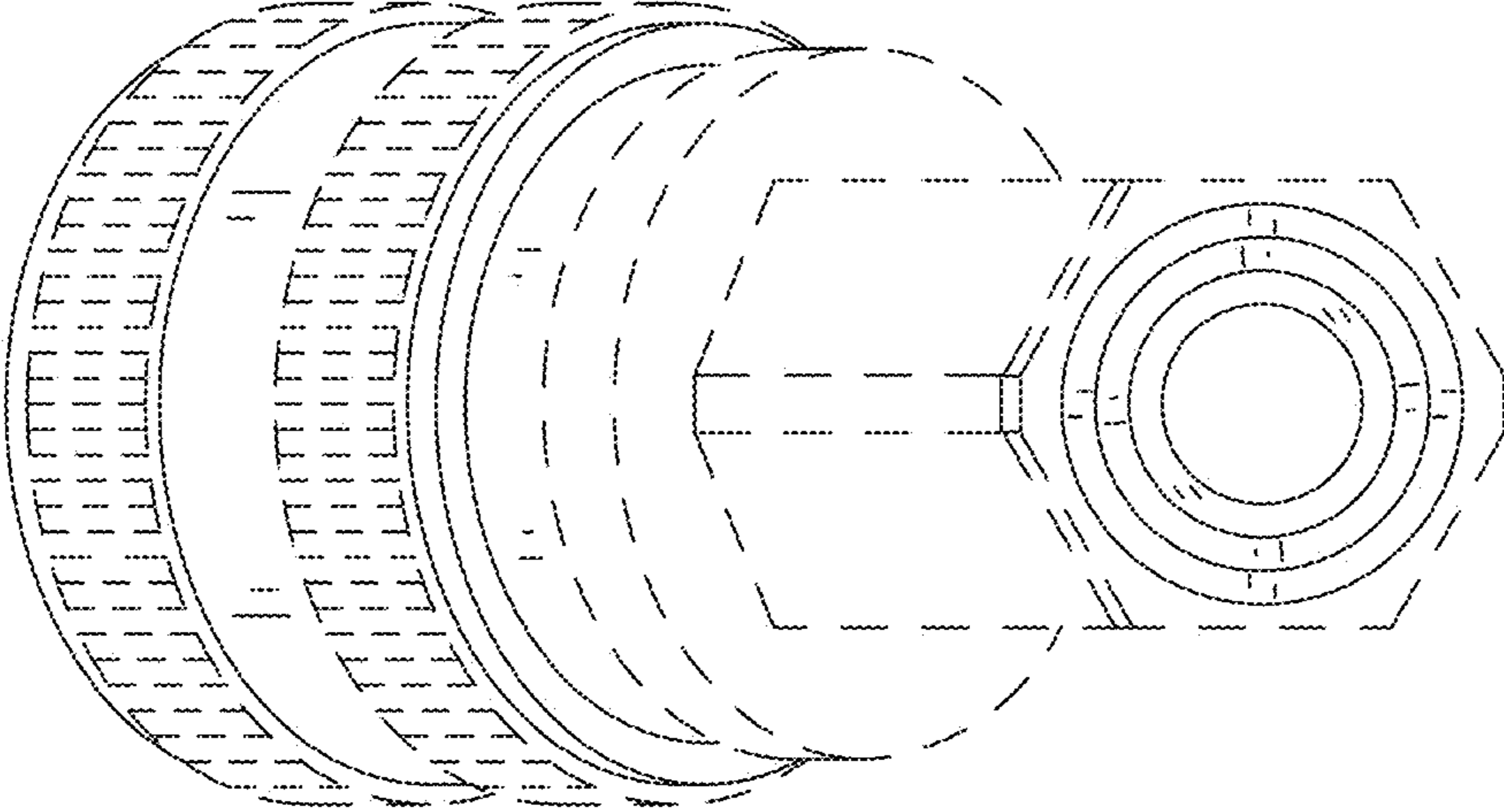


FIG. 9

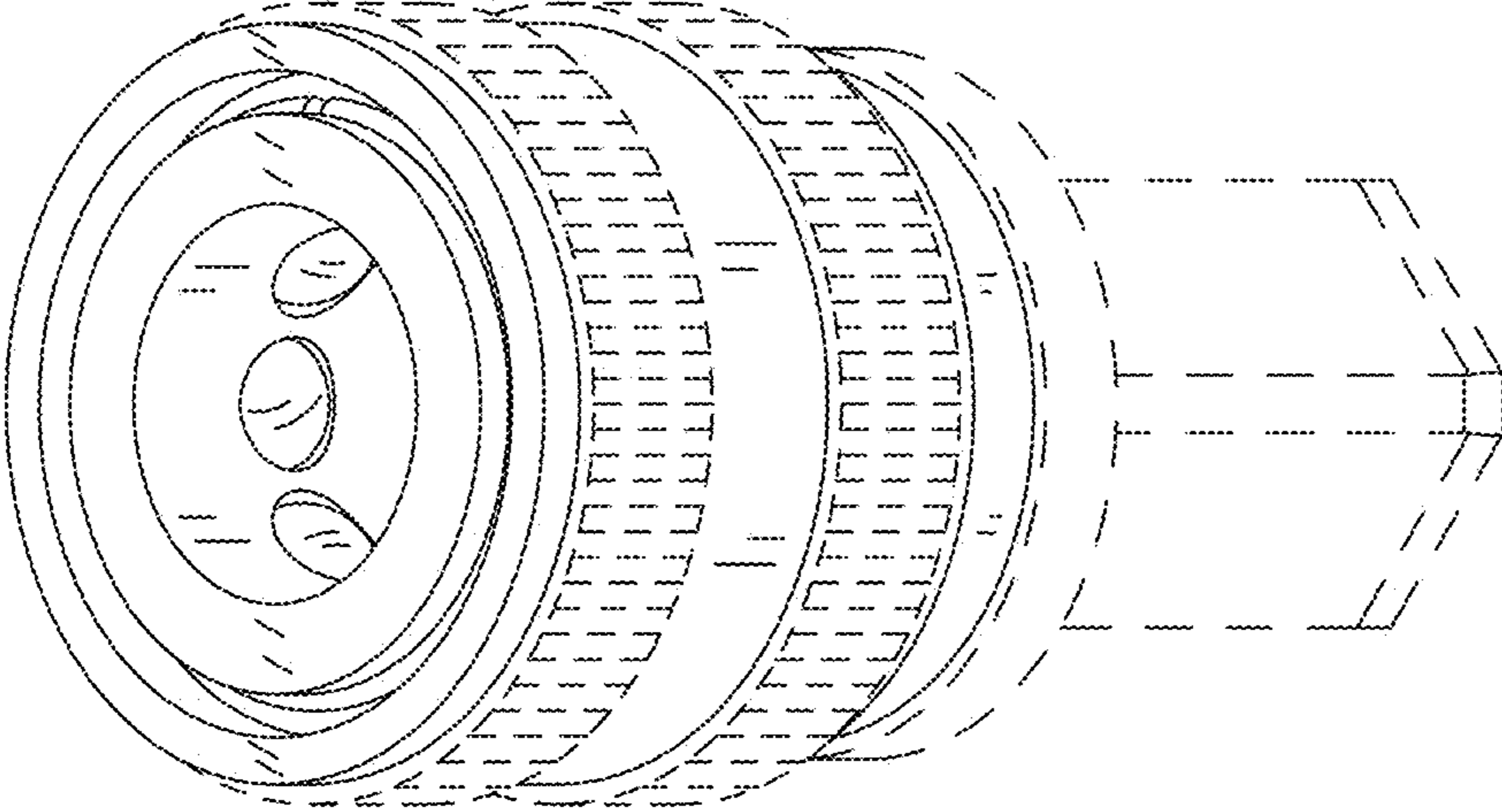


FIG. 10

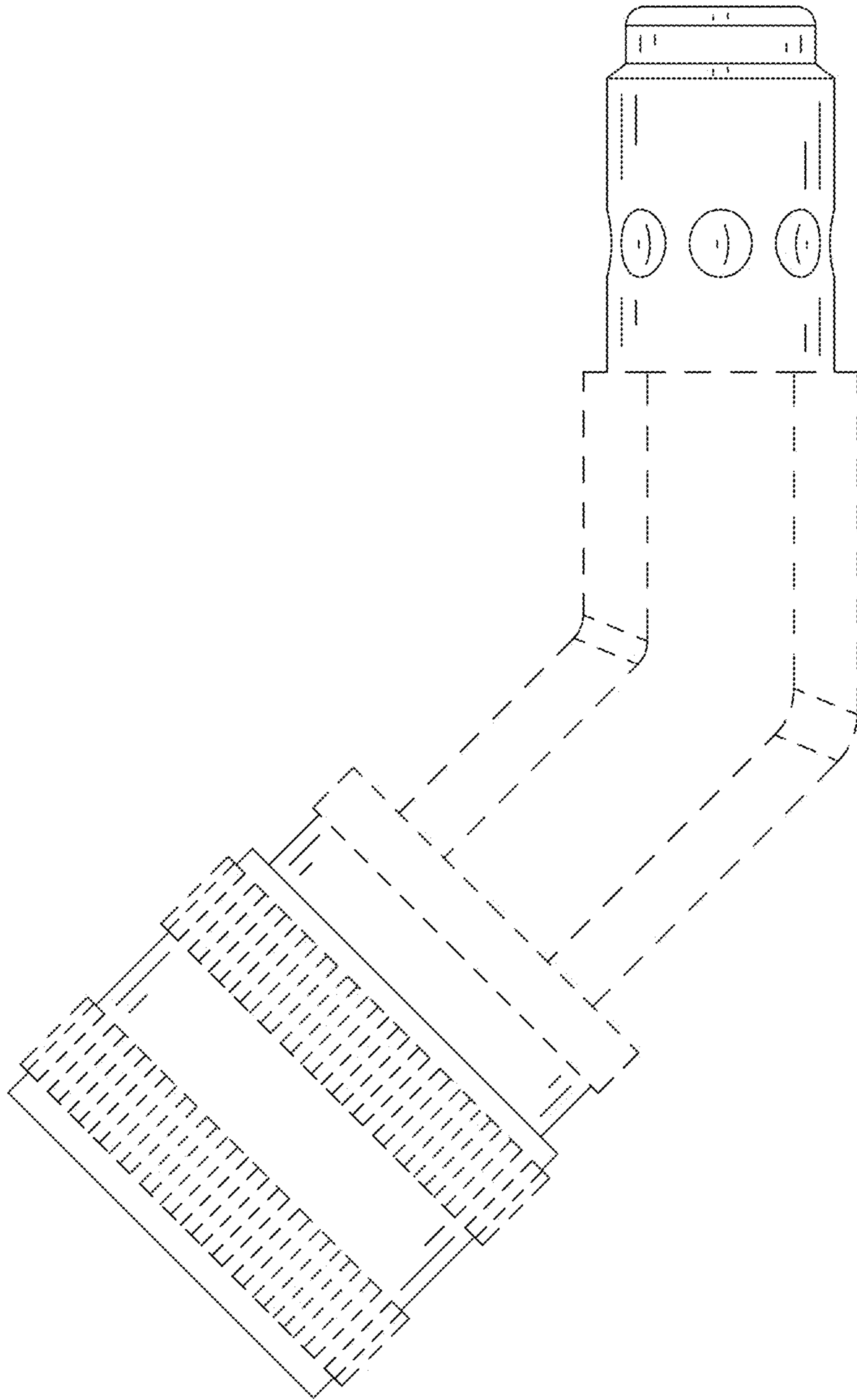


FIG. 11

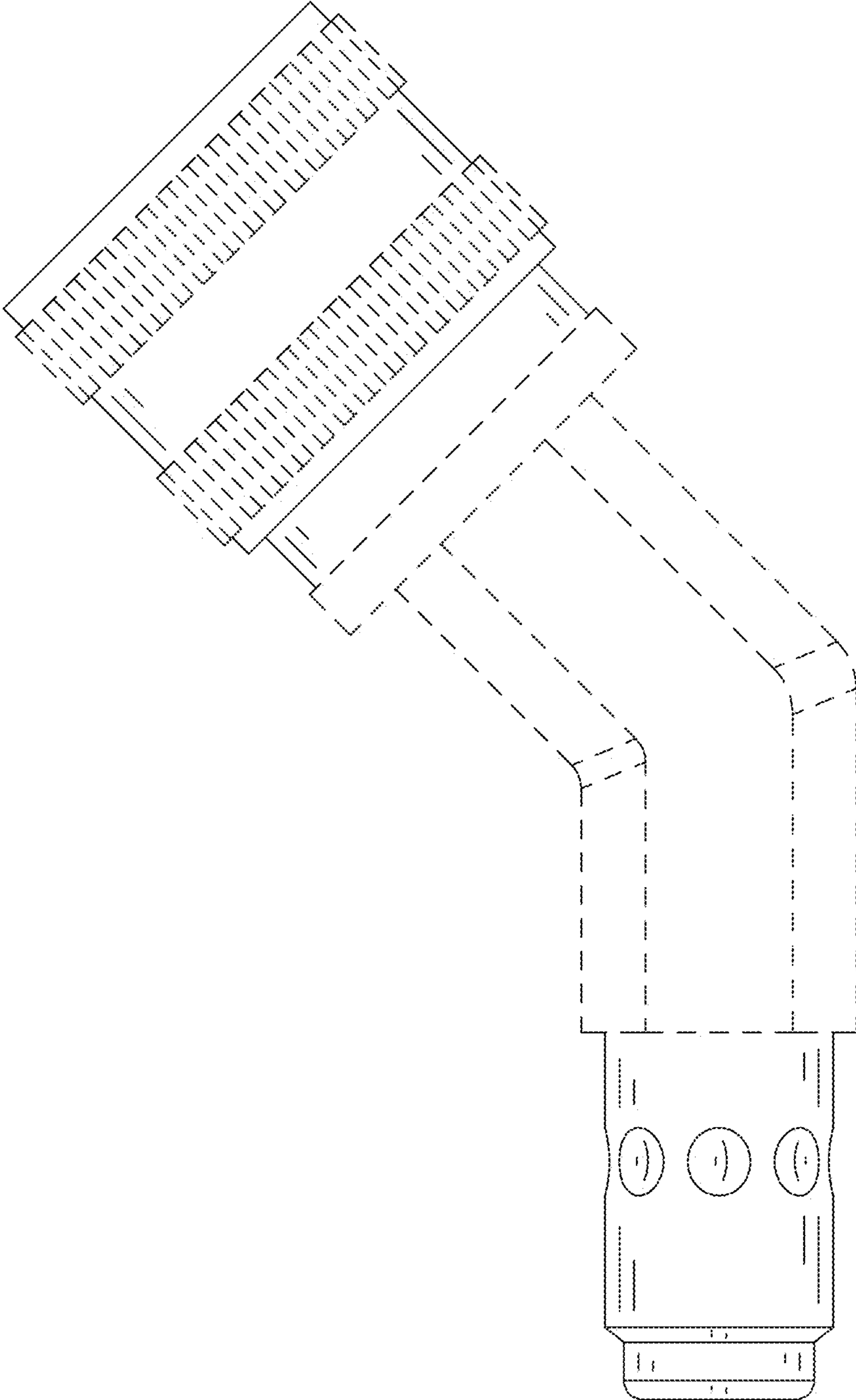


FIG. 12

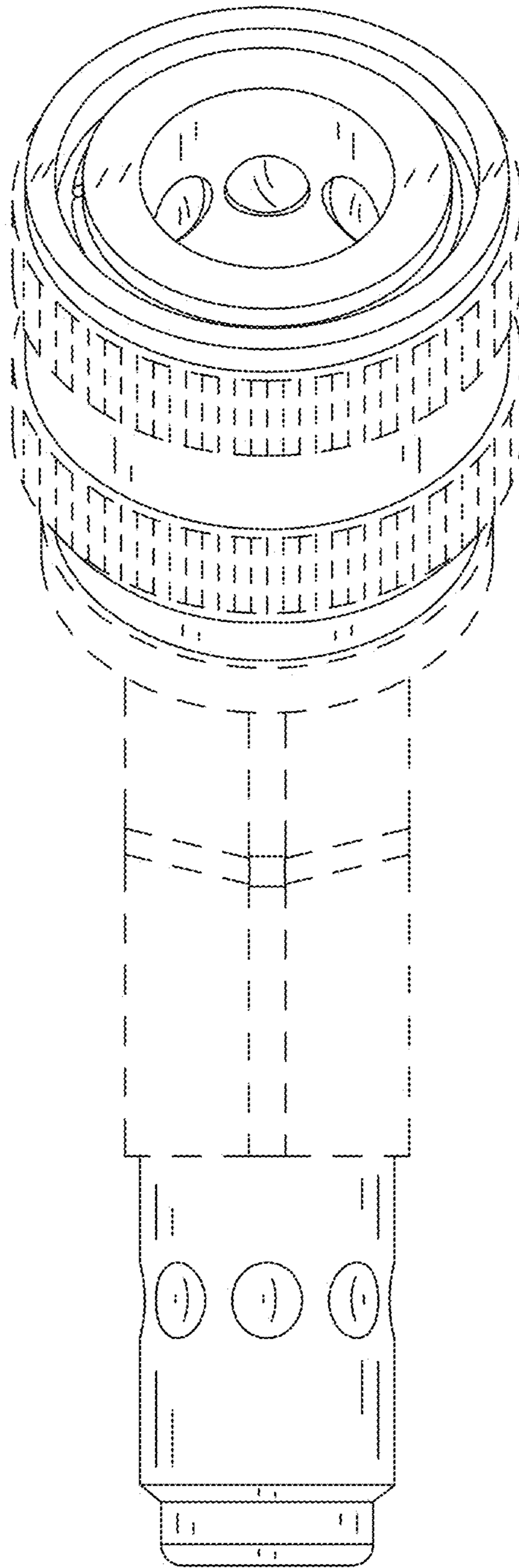


FIG. 13

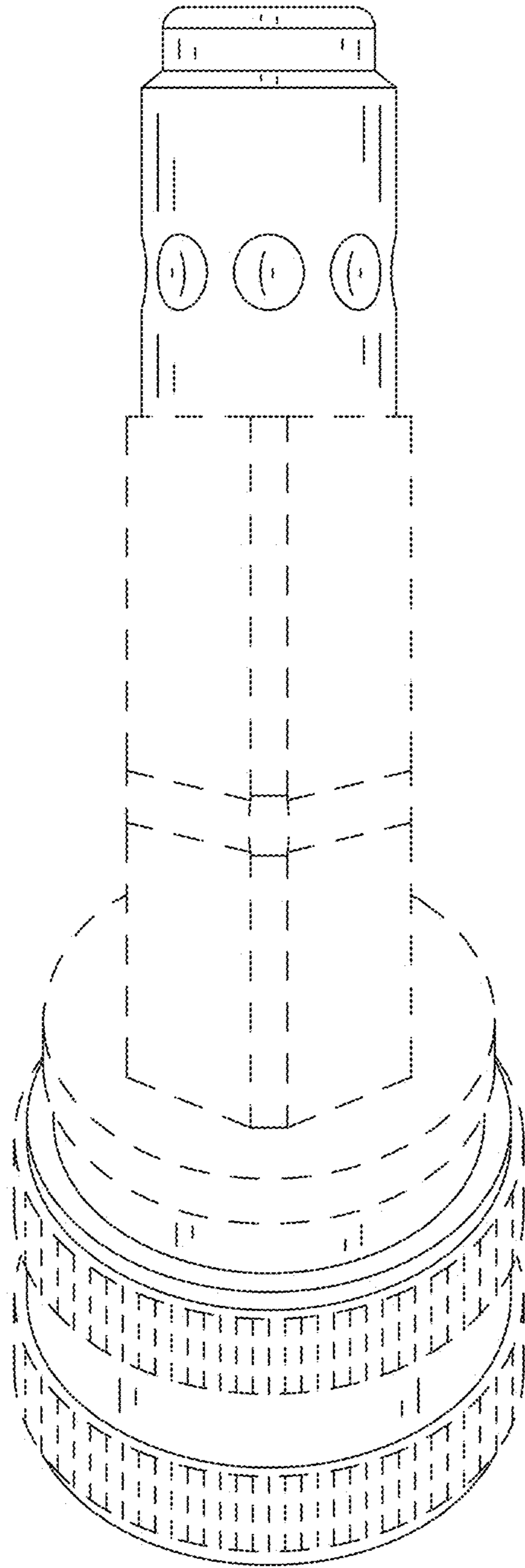


FIG. 14

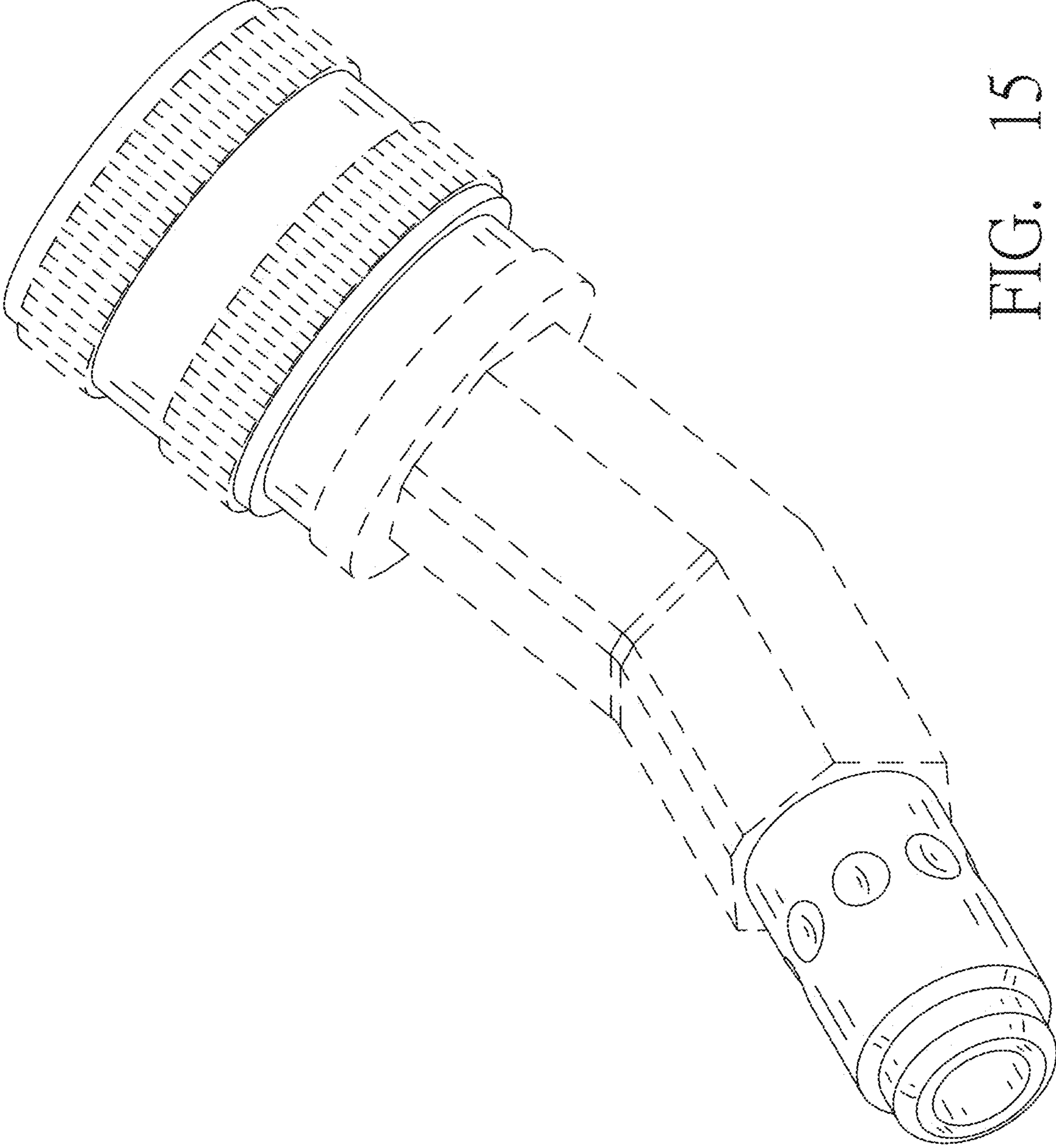


FIG. 15

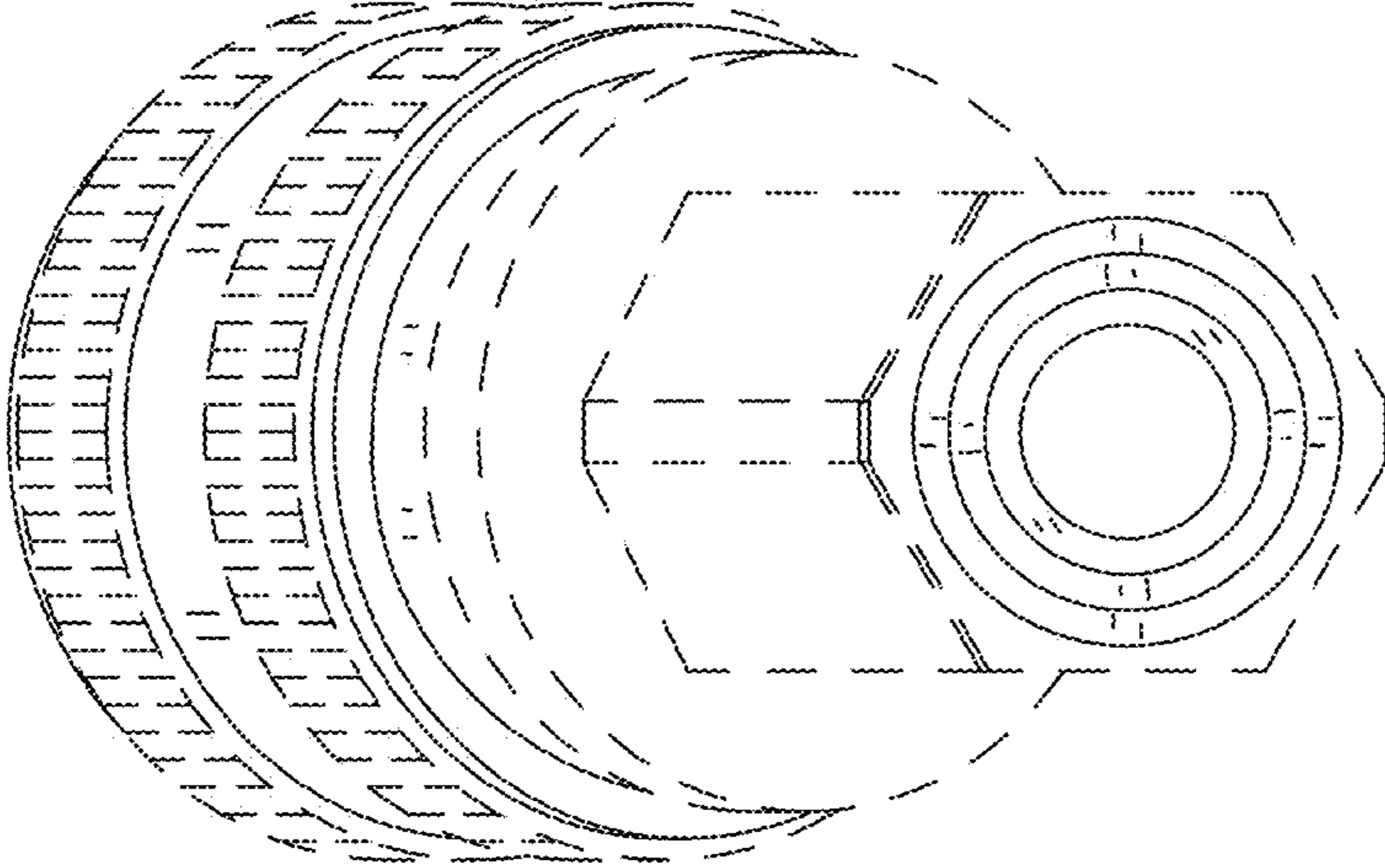


FIG. 16

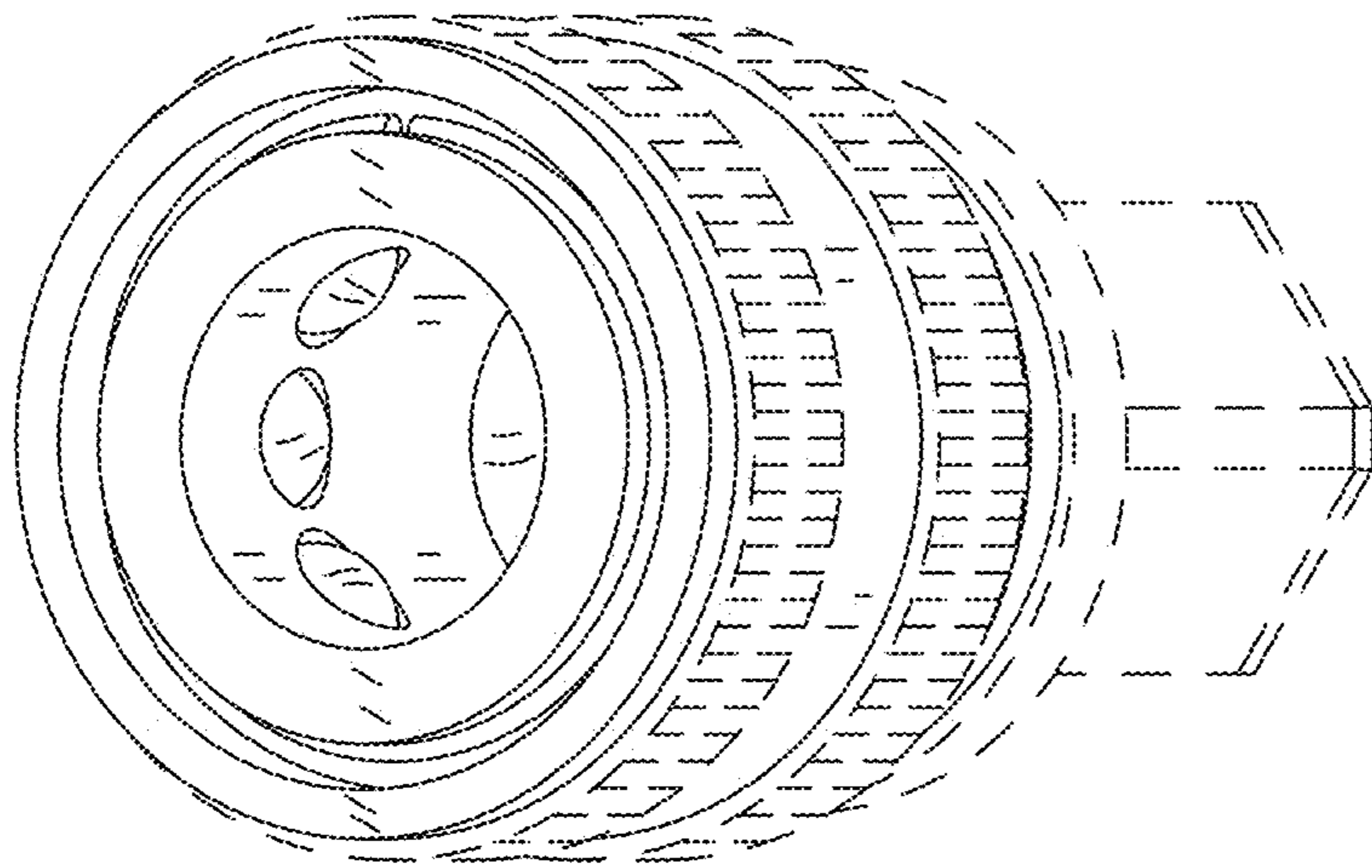


FIG. 17

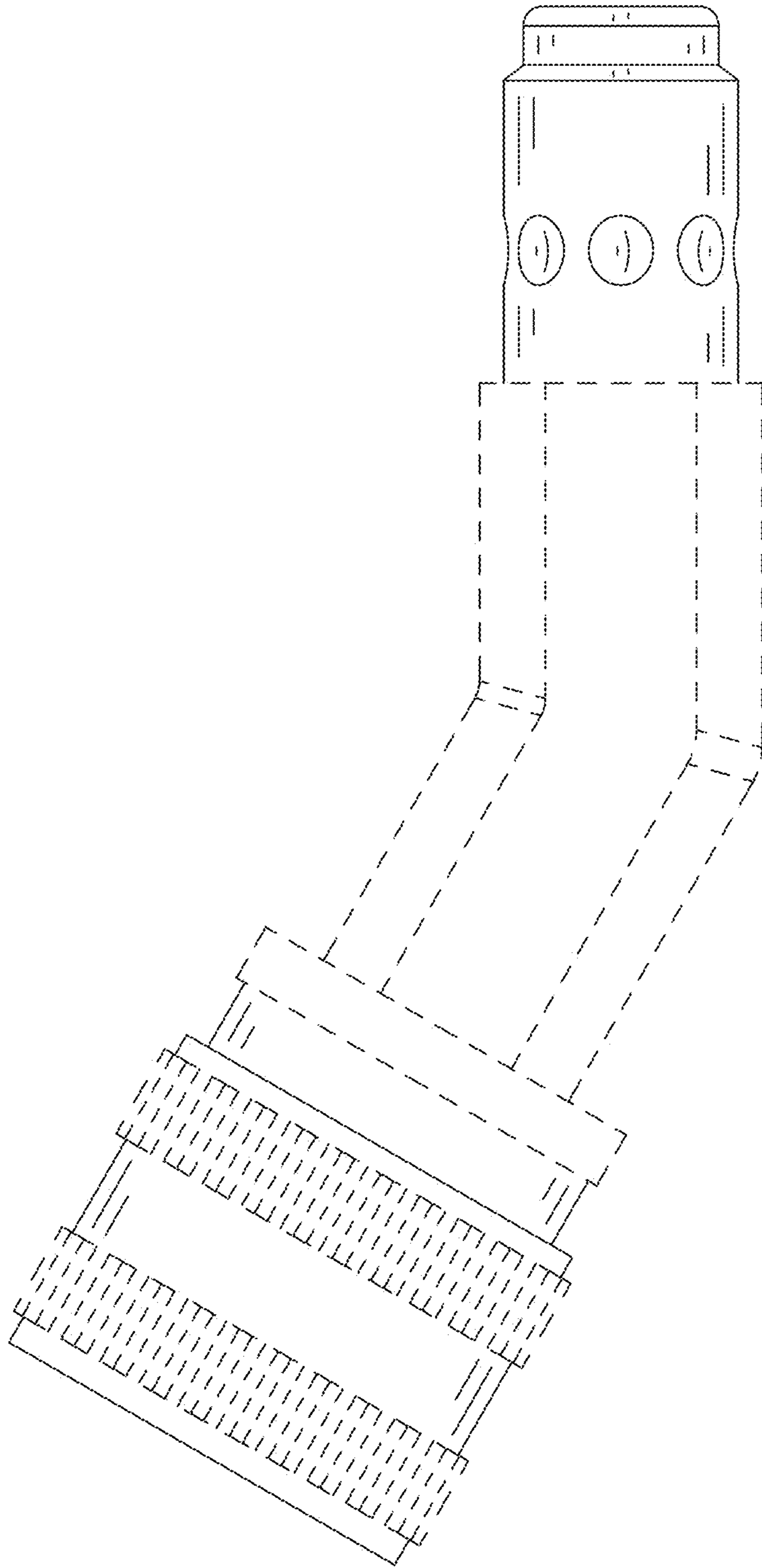


FIG. 18

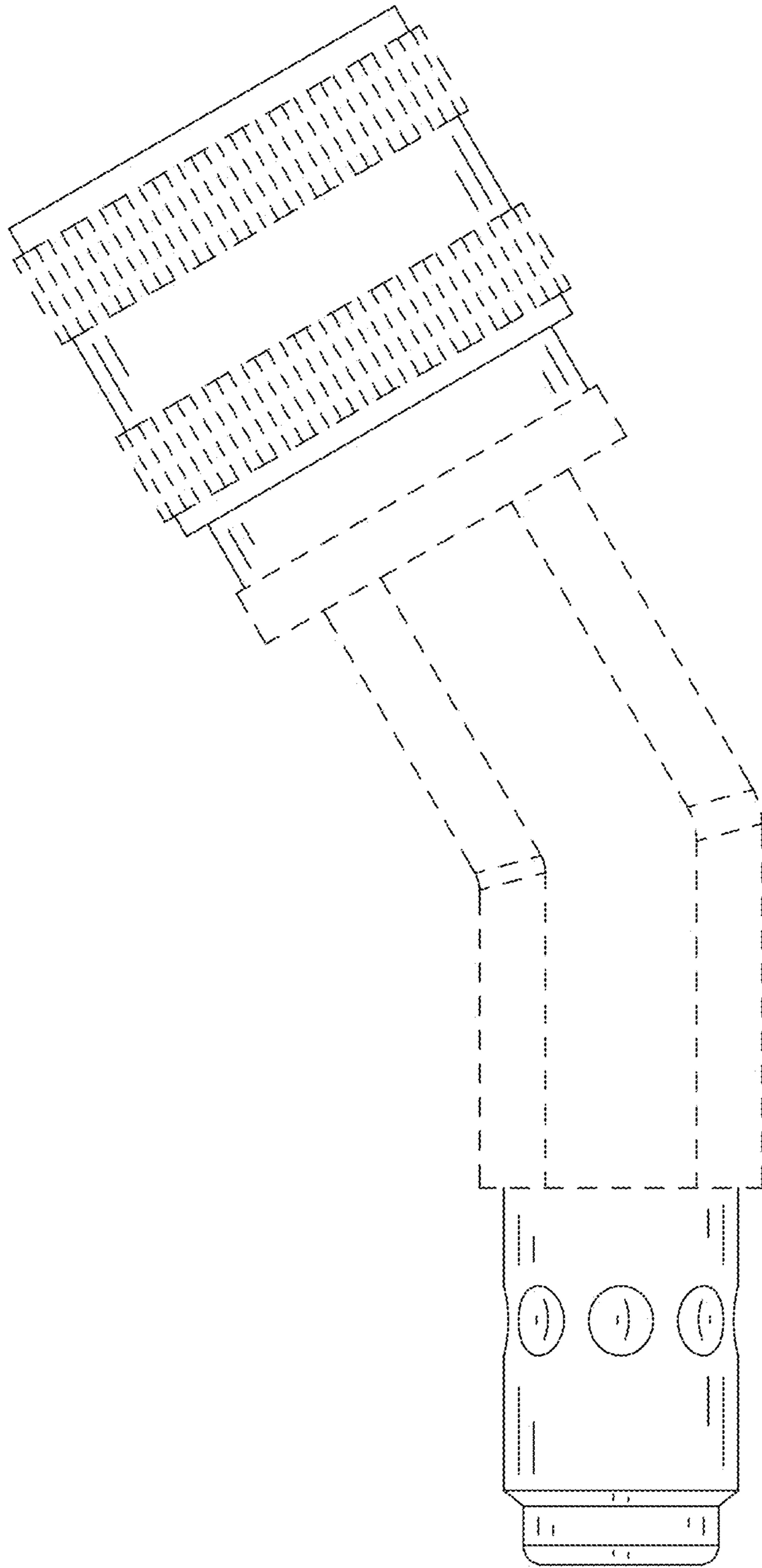


FIG. 19

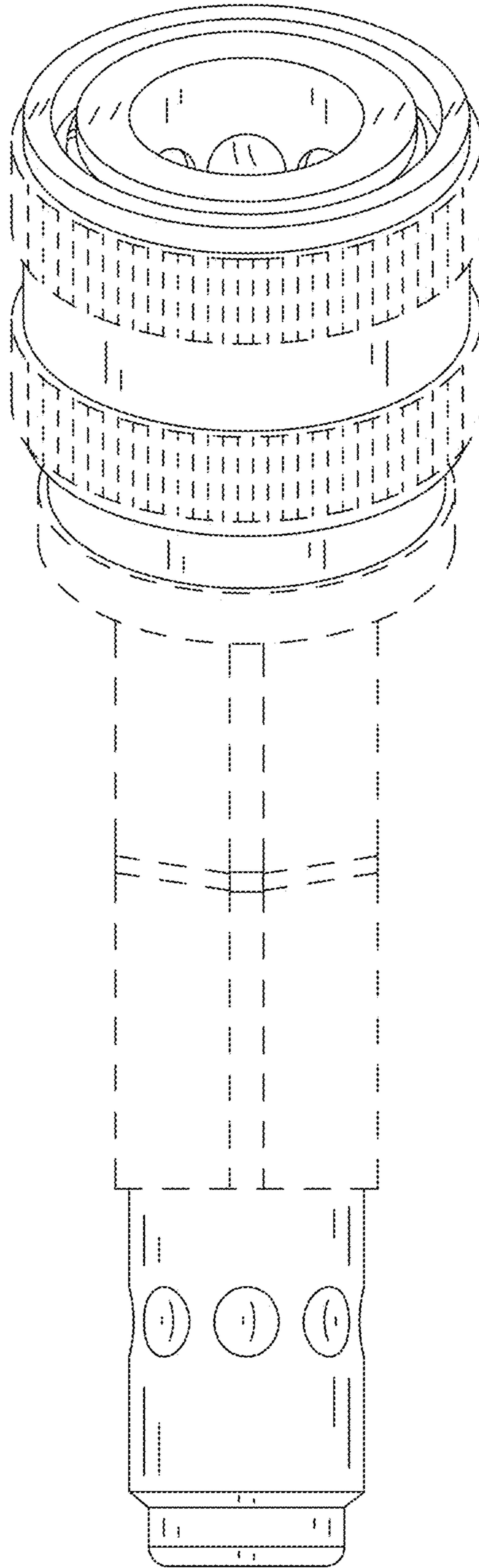


FIG. 20

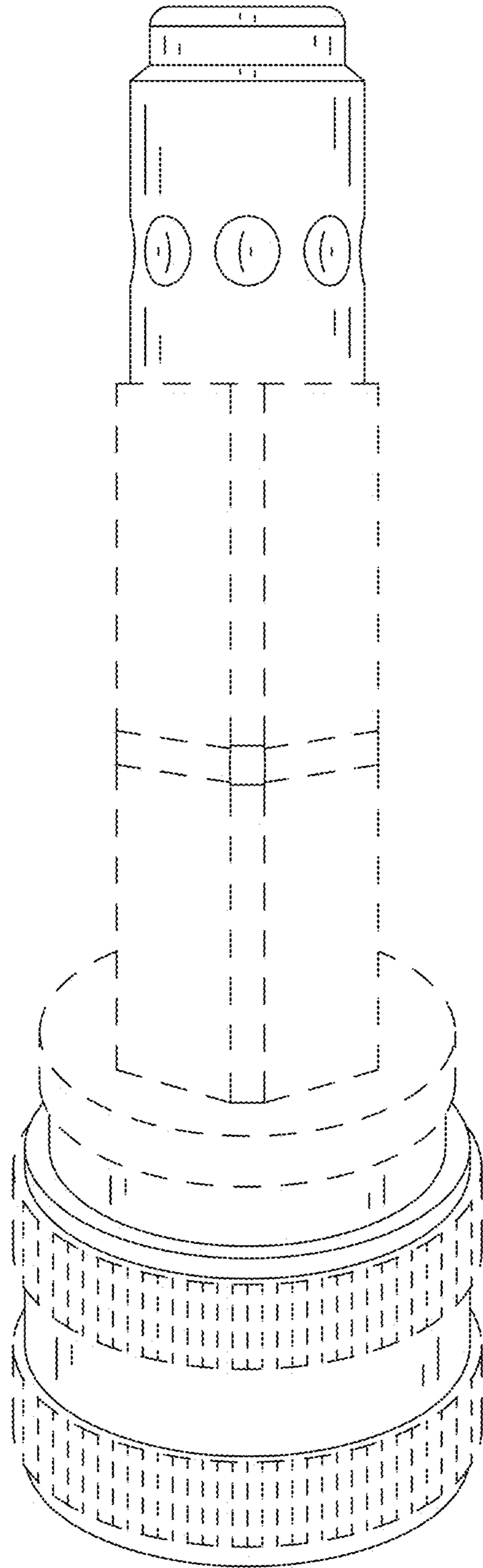


FIG. 21

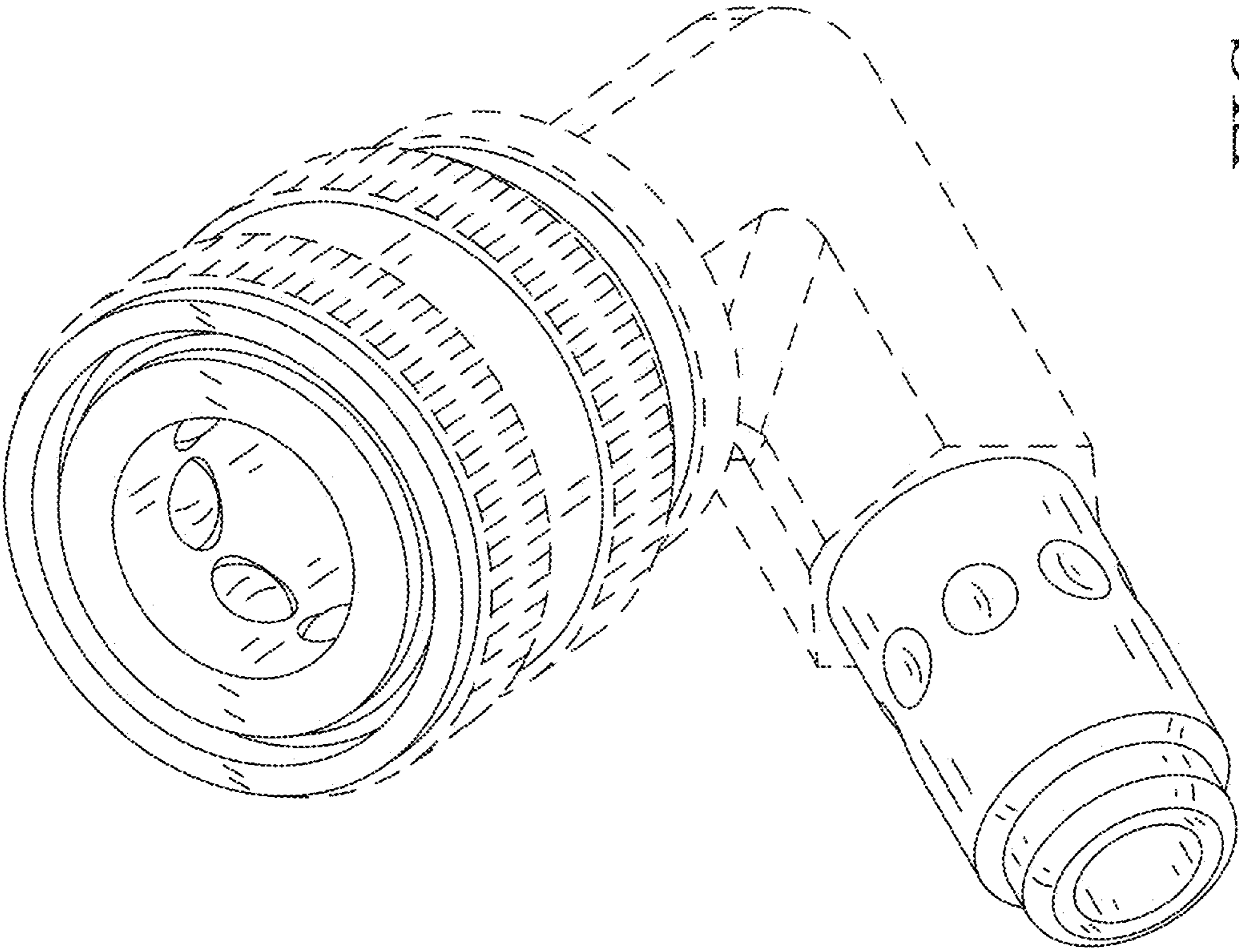


FIG. 22

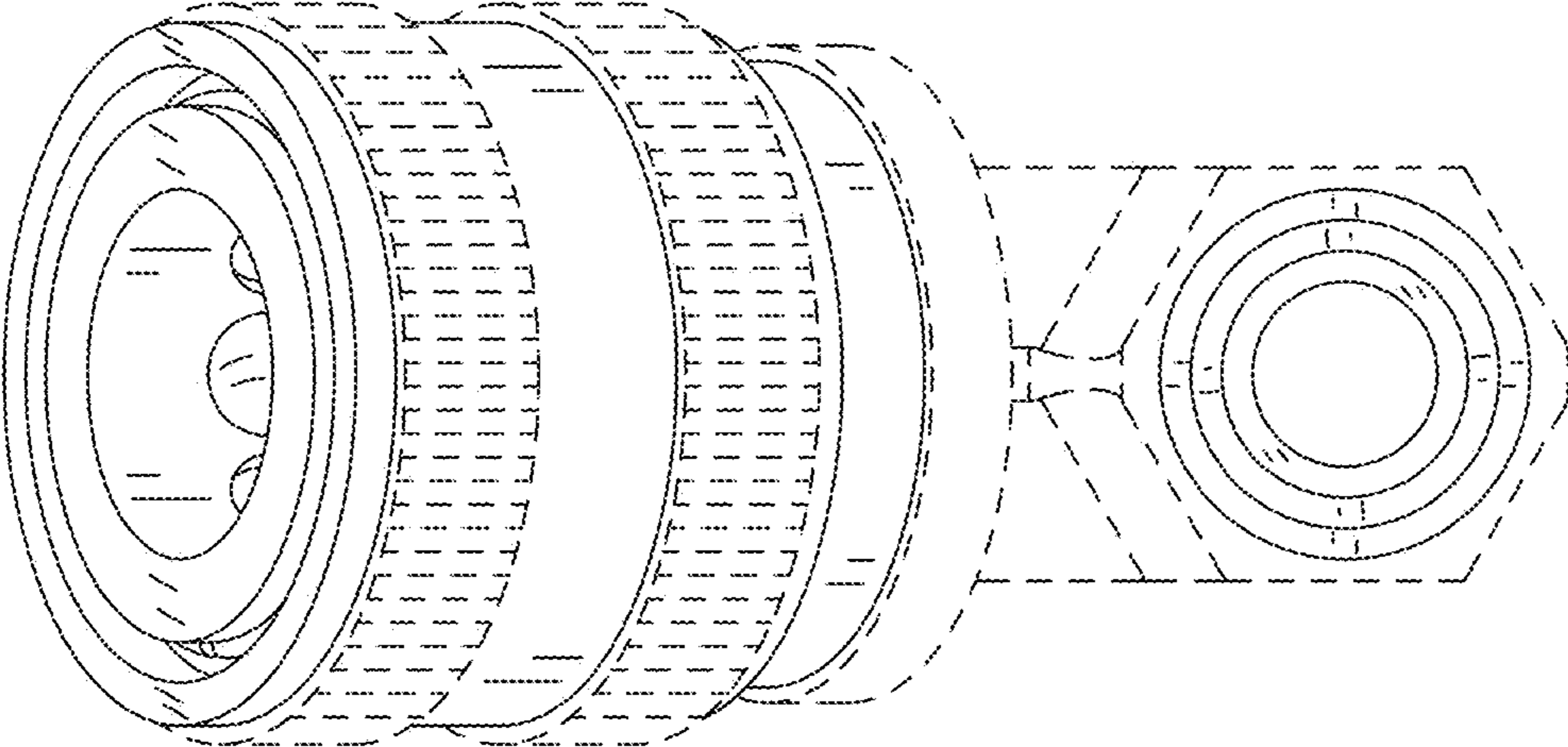


FIG. 23

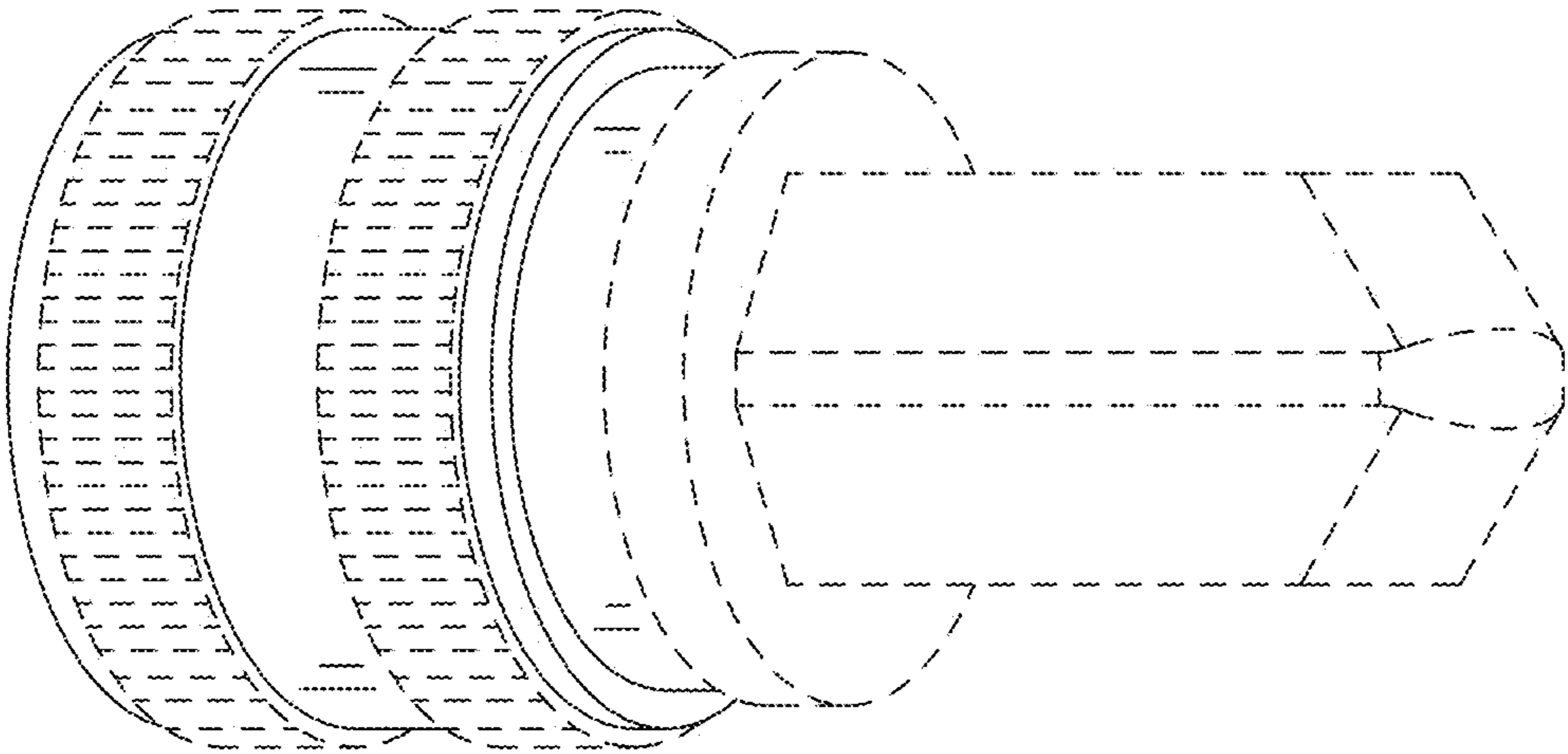


FIG. 24

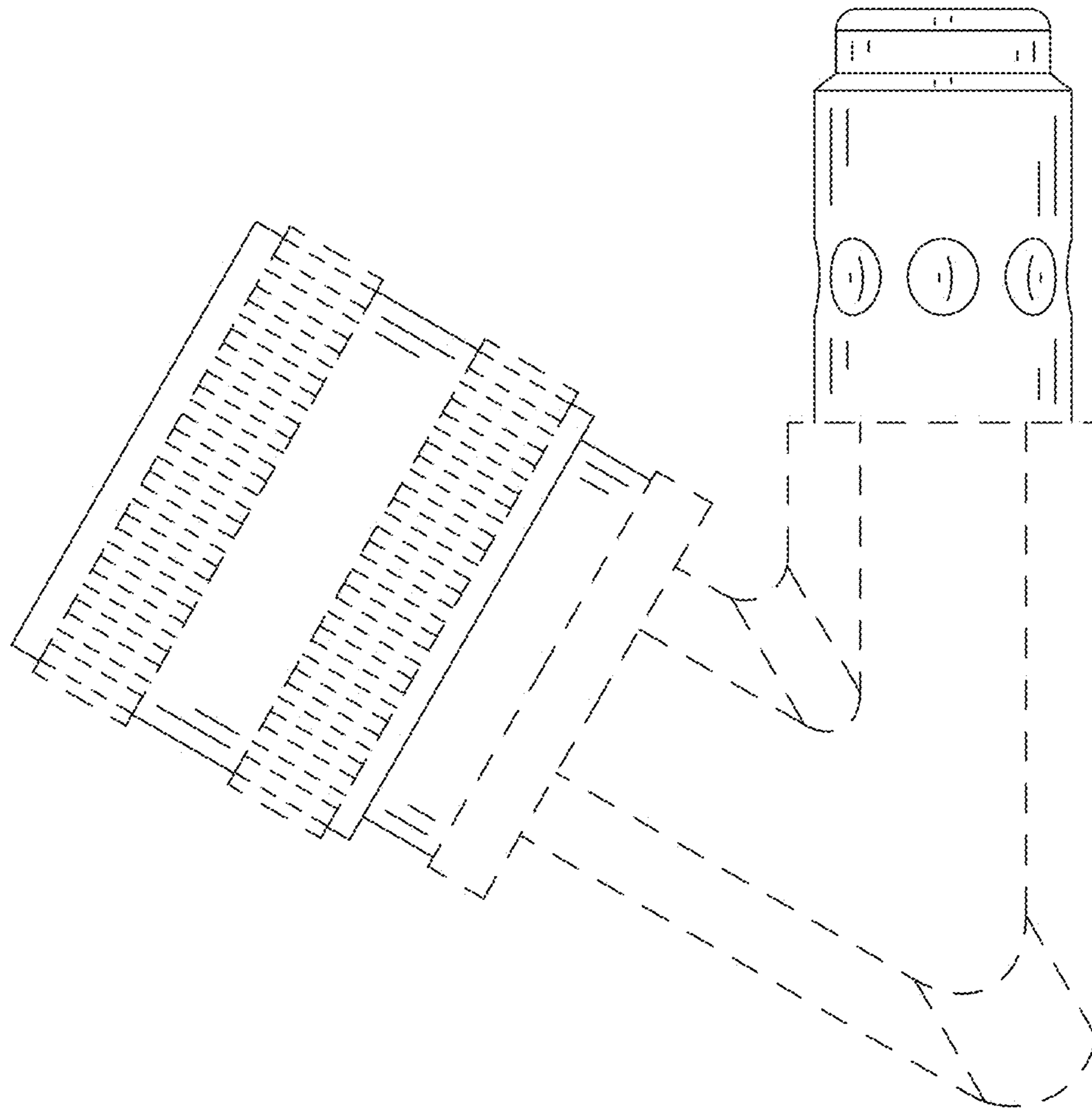


FIG. 25

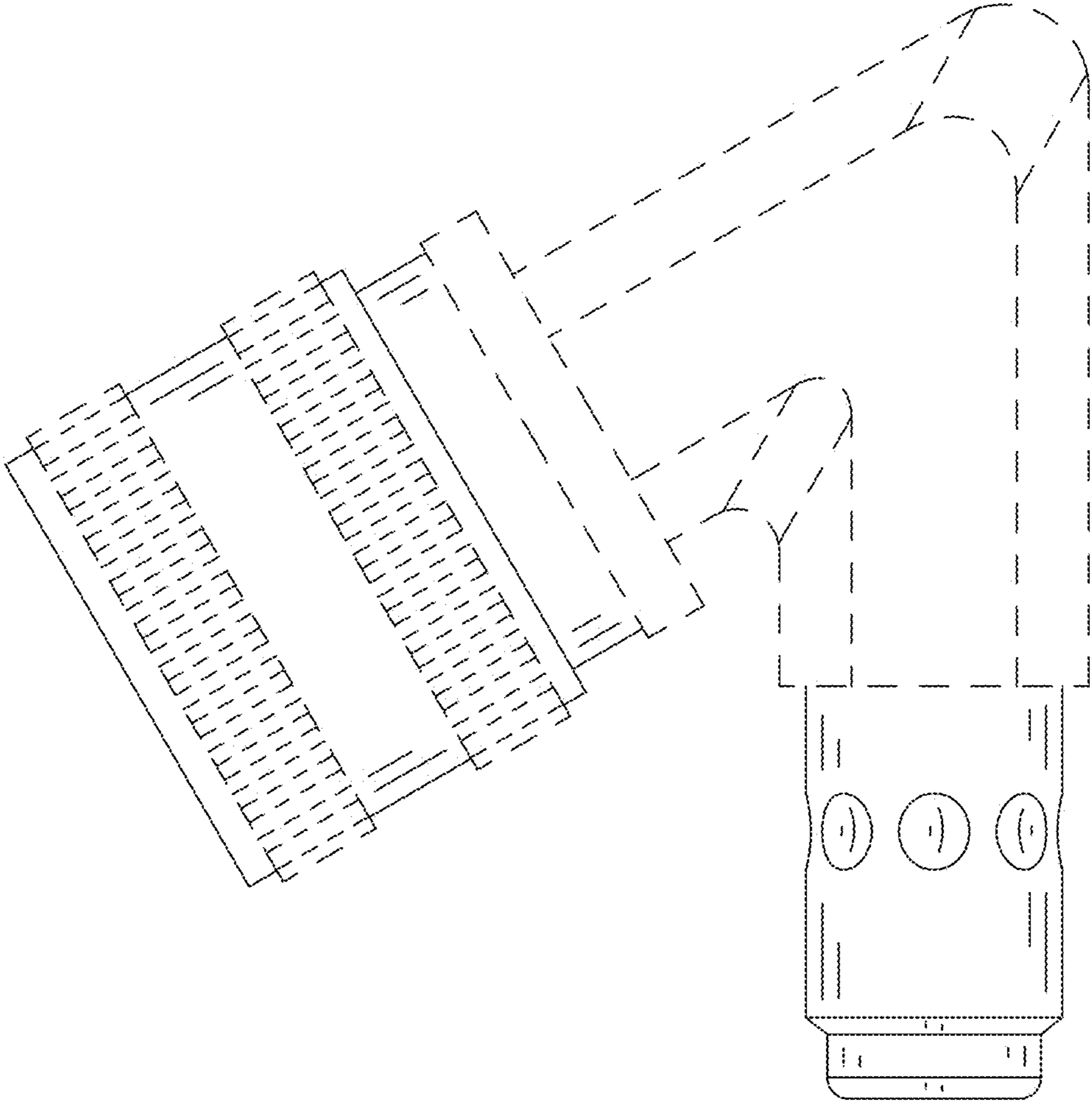


FIG. 26

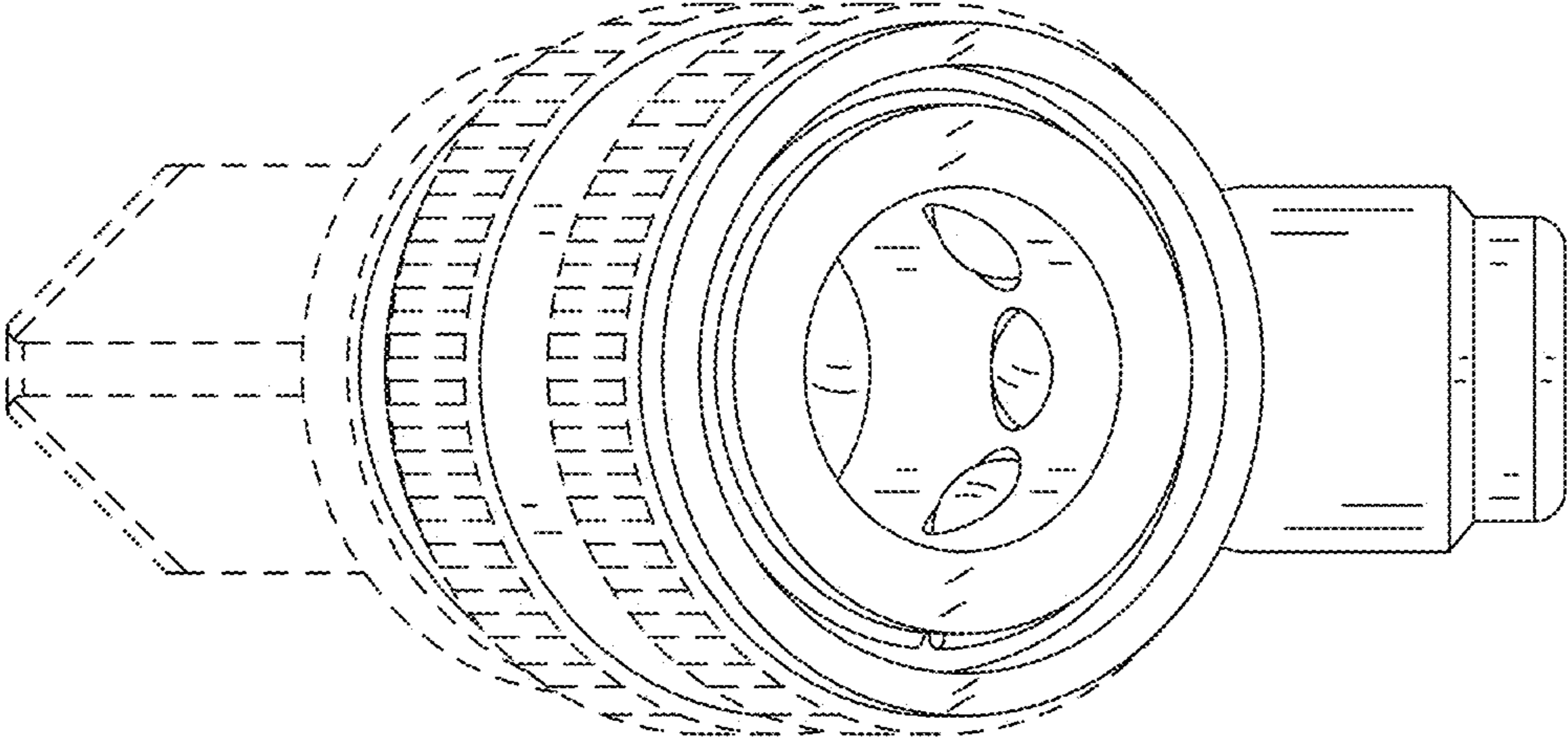


FIG. 27

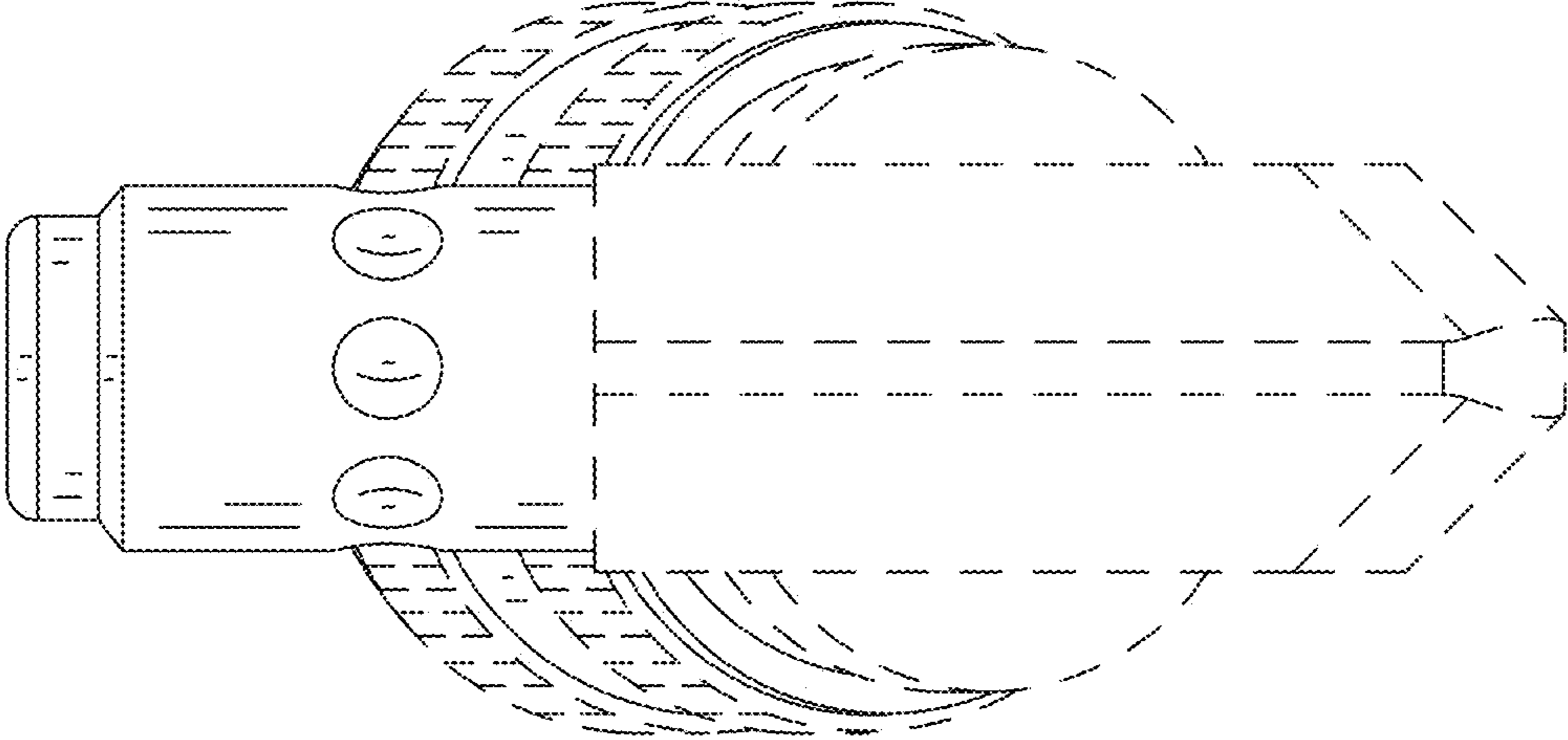


FIG. 28