



US00D712291S

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

(10) **Patent No.:** **US D712,291 S**
(45) **Date of Patent:** **** Sep. 2, 2014**

- (54) **ELECTRONIC METER**
- (71) Applicant: **Electro Industries/GaugeTech**,
Westbury, NY (US)
- (72) Inventors: **Erran Kagan**, Great Neck, NY (US);
Tibor Banhegyesi, Bladwin, NY (US);
Avi Cohen, Great Neck, NY (US)
- (73) Assignee: **Electro Industries/Gauge Tech**,
Westbury, NY (US)
- (**) Term: **14 Years**
- (21) Appl. No.: **29/477,147**
- (22) Filed: **Dec. 19, 2013**

Related U.S. Application Data

- (63) Continuation-in-part of application No. 29/449,582,
filed on Mar. 15, 2013, which is a continuation of
application No. 13/834,737, filed on Mar. 15, 2013,
which is a continuation-in-part of application No.
12/628,636, filed on Dec. 1, 2009.
- (51) **LOC (10) Cl.** **10-04**
- (52) **U.S. Cl.**
USPC **D10/100; D10/103**
- (58) **Field of Classification Search**
CPC G01R 22/065; G01R 22/06; G01R 21/133;
G01D 4/002; H05K 7/1424; Y02B 90/246;
Y02B 70/3266; Y02B 90/241; Y04S 20/42;
Y04S 20/32; Y04S 20/242; Y04S 20/46
USPC D10/99, 100, 103; 324/74, 142;
340/870.02, 870.05; 361/736, 668;
702/61
See application file for complete search history.

(56) **References Cited**

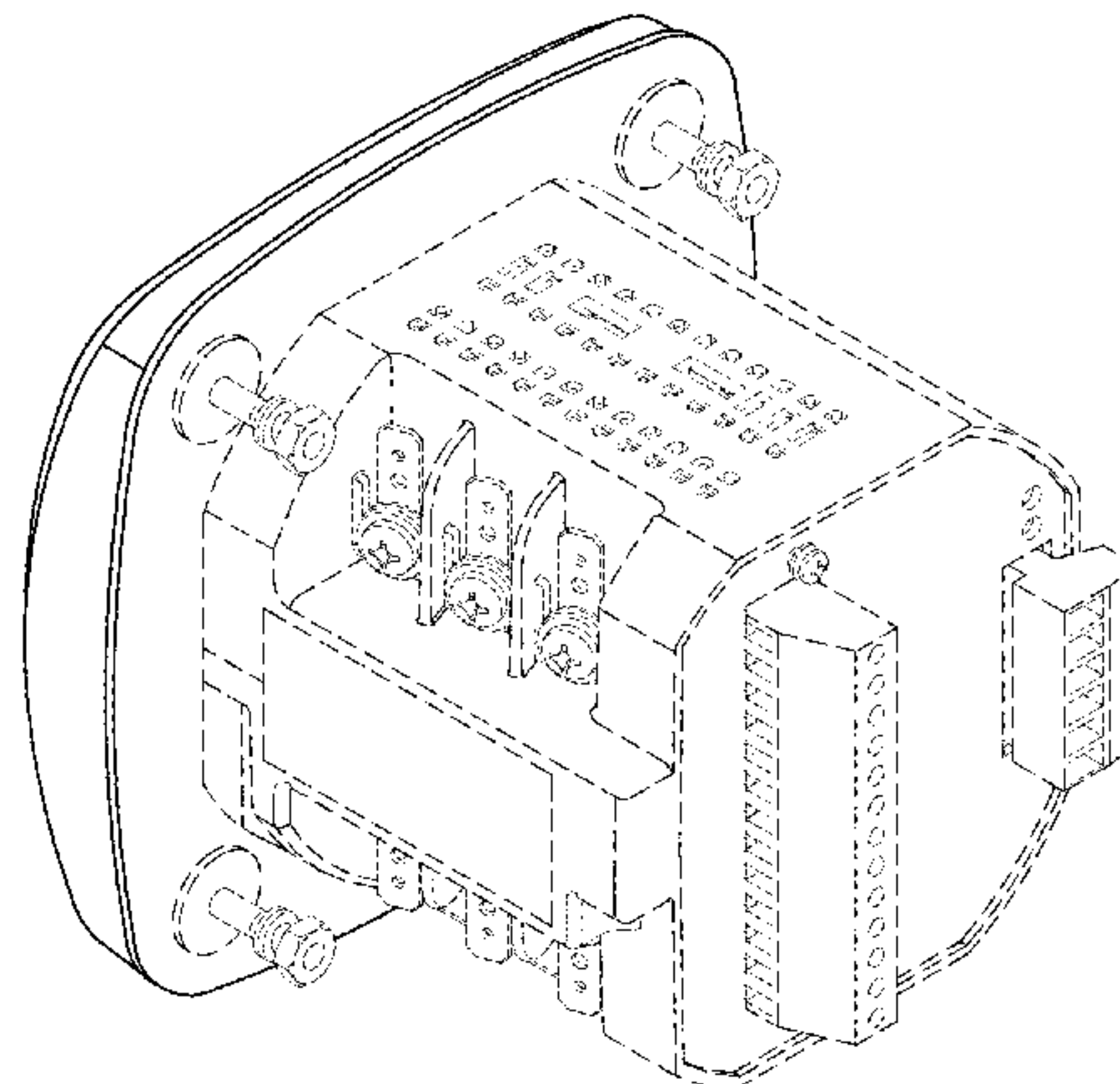
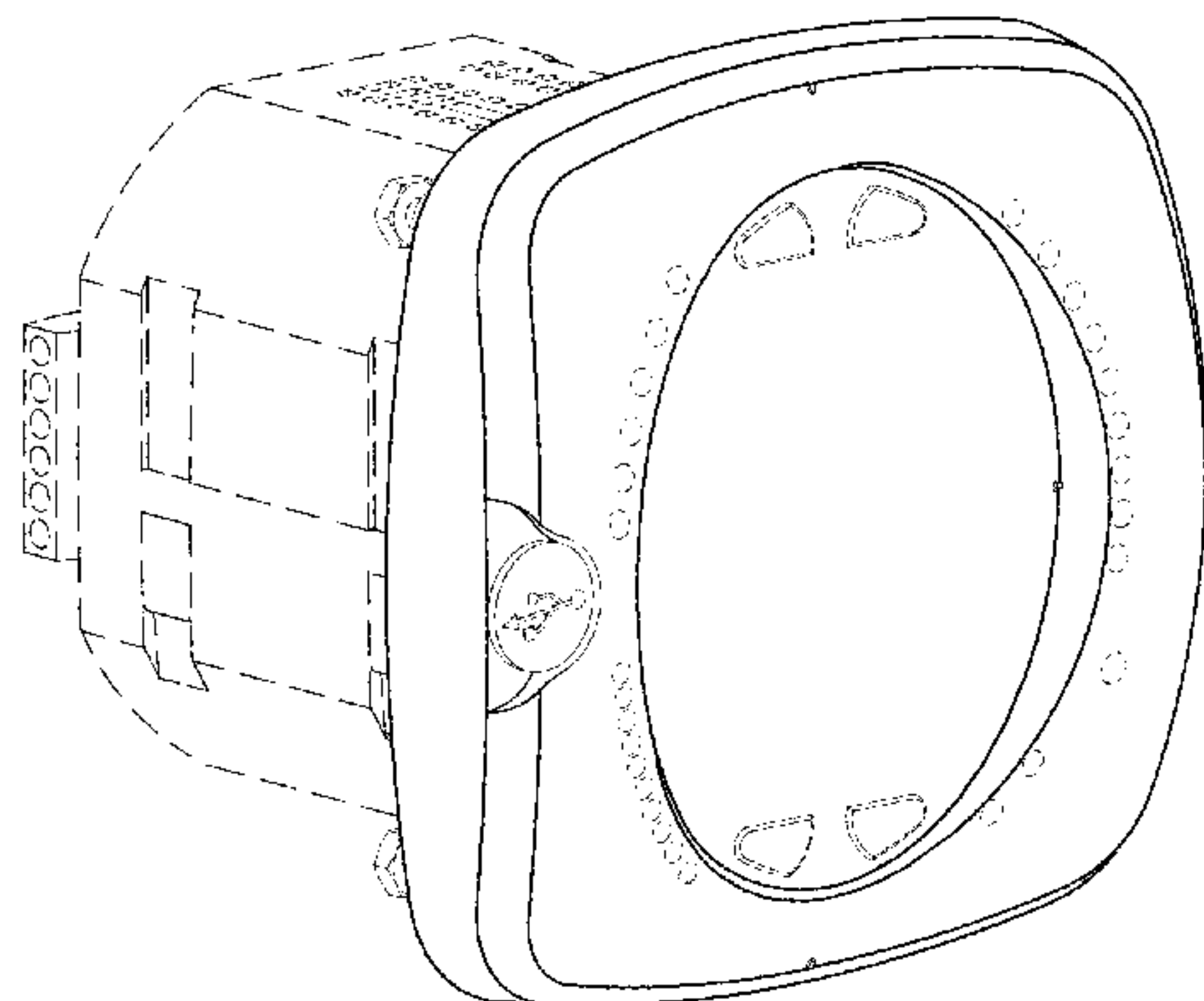
U.S. PATENT DOCUMENTS

- D56,045 S 8/1920 White
- D76,149 S 2/1924 Olsen
- 1,705,301 A 3/1929 Miller
- D187,740 S 4/1960 Littlejohn

- D199,808 S 12/1964 Gazzam, III
- D201,100 S 5/1965 Little et al.
- D241,006 S 8/1976 Wallace
- D273,574 S 4/1984 Overs
- D332,923 S 2/1993 Polydoris et al.
- D343,786 S 2/1994 Hines et al.
- D348,019 S 6/1994 Kocol et al.
- D366,434 S 1/1996 Brown, III et al.
- 5,581,470 A 12/1996 Pawloski
- D427,533 S 7/2000 Cowan et al.
- D429,655 S 8/2000 Cowan et al.
- D435,471 S 12/2000 Simbeck et al.
- D439,535 S 3/2001 Cowan et al.
- D443,541 S 6/2001 Hancock et al.
- D455,066 S 4/2002 Kolinen
- D458,863 S 6/2002 Harding et al.
- D459,259 S 6/2002 Harding et al.
- 6,476,595 B1 11/2002 Heuell et al.
- 6,476,729 B1 11/2002 Liu
- 6,745,138 B2 6/2004 Przydatek et al.
- D525,893 S 8/2006 Kagan et al.
- D526,920 S 8/2006 Kagan et al.
- D545,181 S 6/2007 Kagan et al.
- 7,271,996 B2 9/2007 Kagan et al.
- 7,417,419 B2 8/2008 Tate
- D615,895 S * 5/2010 Beattie D10/99
- 7,868,782 B2 1/2011 Ehrke et al.
- D642,083 S 7/2011 Blanc et al.
- D653,572 S 2/2012 Ohtani et al.
- 8,176,174 B2 5/2012 Kagan
- D666,933 S 9/2012 Hoffman et al.
- 8,310,403 B2 11/2012 Nahar
- 8,325,057 B2 12/2012 Salter
- D682,720 S 5/2013 Kagan et al.
- D682,721 S 5/2013 Kagan et al.
- 8,587,949 B2 11/2013 Banhegyesi et al.
- 2002/0162014 A1 10/2002 Przydatek et al.
- 2004/0138786 A1 7/2004 Blackett et al.

OTHER PUBLICATIONS

- BE1-951 Multifunction Protection System, Basler Electric, September 2012 pp. 1-12.
- Nexus 1262/1272 High Performance Utility Billing Meters With Communication & Advanced Power Quality, Electro Industries/Gaugetech, 062112 pp. 1-12.
- Jemstar High Accuracy Revenue Meter for Generation, Transmission, and Industrial Power Measurement, Ametek Power Instruments, 2012, pp. 1-2.
- Jemstar Retrofit for Generation, Transmission, and Industrial Power Measurement, Ametek Power Instruments, 2007, pp. 1-2.



Mark-V EMS60 Intelligent Energy Meter, Advanced High-Accuracy Meter With Integrated Data Telemetry Solutions and Power Quality Monitoring, Transdata Energy Metering and Automation, 2010, pp. 1-2.

Nexus 1262/1272 Switchboard Meter Quick Start, Electro Industries-Gaugetech, 083112, pp. 1-4.

Powerlogic Ion8650, Schneider Electric, 2011, pp. 1-12.

* cited by examiner

Primary Examiner — Antoine D Davis

(74) *Attorney, Agent, or Firm* — Gerald E. Hespos; Michael J. Porco; Matthew T. Hespos

(57) **CLAIM**

The ornamental design for an electronic meter, as shown and described.

DESCRIPTION

FIG. 1 is a front, top, left perspective view of an electronic meter according to a first embodiment of our new design;
 FIG. 2 is a rear, top, left perspective view thereof;
 FIG. 3 is a front elevational view thereof;
 FIG. 4 is a rear elevational view thereof;
 FIG. 5 is a left side elevational view thereof;
 FIG. 6 is a right side elevational view thereof;
 FIG. 7 is a top plan view thereof;
 FIG. 8 is a bottom plan view thereof;
 FIG. 9 is a front, top, left perspective, exploded view of an electronic meter showing a port plug removed;
 FIG. 10 is a front elevational view thereof showing a port plug removed;
 FIG. 11 is a front, top, left perspective view of a port plug of the first embodiment shown in FIGS. 1-10;
 FIG. 12 is a top plan view of a port plug of FIG. 11;
 FIG. 13 is a front elevational view of a port plug of FIG. 11;
 FIG. 14 is a right side elevational view of a port plug of FIG. 11;
 FIG. 15 is a left side elevational view of a port plug of FIG. 11;
 FIG. 16 is a rear elevational view of a port plug of FIG. 11;
 FIG. 17 is a bottom plan view of a port plug of FIG. 11;
 FIG. 18 is a front, top, left perspective view of an electronic meter according to a second embodiment of our new design;
 FIG. 19 is a rear, top, left perspective view of FIG. 18;
 FIG. 20 is a front elevational view of FIG. 18;

FIG. 21 is a rear elevational view of FIG. 18;
 FIG. 22 is a left side elevational view of FIG. 18;
 FIG. 23 is a right side elevational view of FIG. 18;
 FIG. 24 is a top plan view of FIG. 18;
 FIG. 25 is a bottom plan view of FIG. 18;
 FIG. 26 is a front, top, left perspective, exploded view of an electronic meter of FIG. 18 showing a port plug removed;
 FIG. 27 is a front elevational view of FIG. 18 showing a port plug removed;
 FIG. 28 is a front, top, left perspective view of a port plug of the second embodiment shown in FIGS. 18-27;
 FIG. 29 is a top plan view of a port plug of FIG. 28;
 FIG. 30 is a front elevational view of a port plug of FIG. 28;
 FIG. 31 is a right side elevational view of a port plug of FIG. 28;
 FIG. 32 is a left side elevational view of a port plug of FIG. 28;
 FIG. 33 is a rear elevational view of a port plug of FIG. 28;
 FIG. 34 is a bottom plan view of a port plug of FIG. 28;
 FIG. 35 is a front, top, left perspective view of an electronic meter according to a third embodiment of our new design;
 FIG. 36 is a rear, top, left perspective view of FIG. 35;
 FIG. 37 is a front elevational view of FIG. 35;
 FIG. 38 is a rear elevational view of FIG. 35;
 FIG. 39 is a left side elevational view of FIG. 35;
 FIG. 40 is a right side elevational view of FIG. 35;
 FIG. 41 is a top plan view of FIG. 35;
 FIG. 42 is a bottom plan view of FIG. 35;
 FIG. 43 is a front, top, left perspective, exploded view of an electronic meter of FIG. 35 showing a port plug removed;
 FIG. 44 is a front elevational view of FIG. 35 showing a port plug removed;
 FIG. 45 is a front, top, left perspective view of a port plug of the second embodiment shown in FIGS. 35-44;
 FIG. 46 is a top plan view of a port plug of FIG. 45;
 FIG. 47 is a front elevational view of a port plug of FIG. 45;
 FIG. 48 is a right side elevational view of a port plug of FIG. 45;
 FIG. 49 is a left side elevational view of a port plug of FIG. 45;
 FIG. 50 is a rear elevational view of a port plug of FIG. 45;
 and,
 FIG. 51 is a bottom plan view of a port plug of FIG. 45.
 The broken lines showing in FIGS. 1-51 are for illustrative purposes only and form no part of the claimed design.

1 Claim, 36 Drawing Sheets

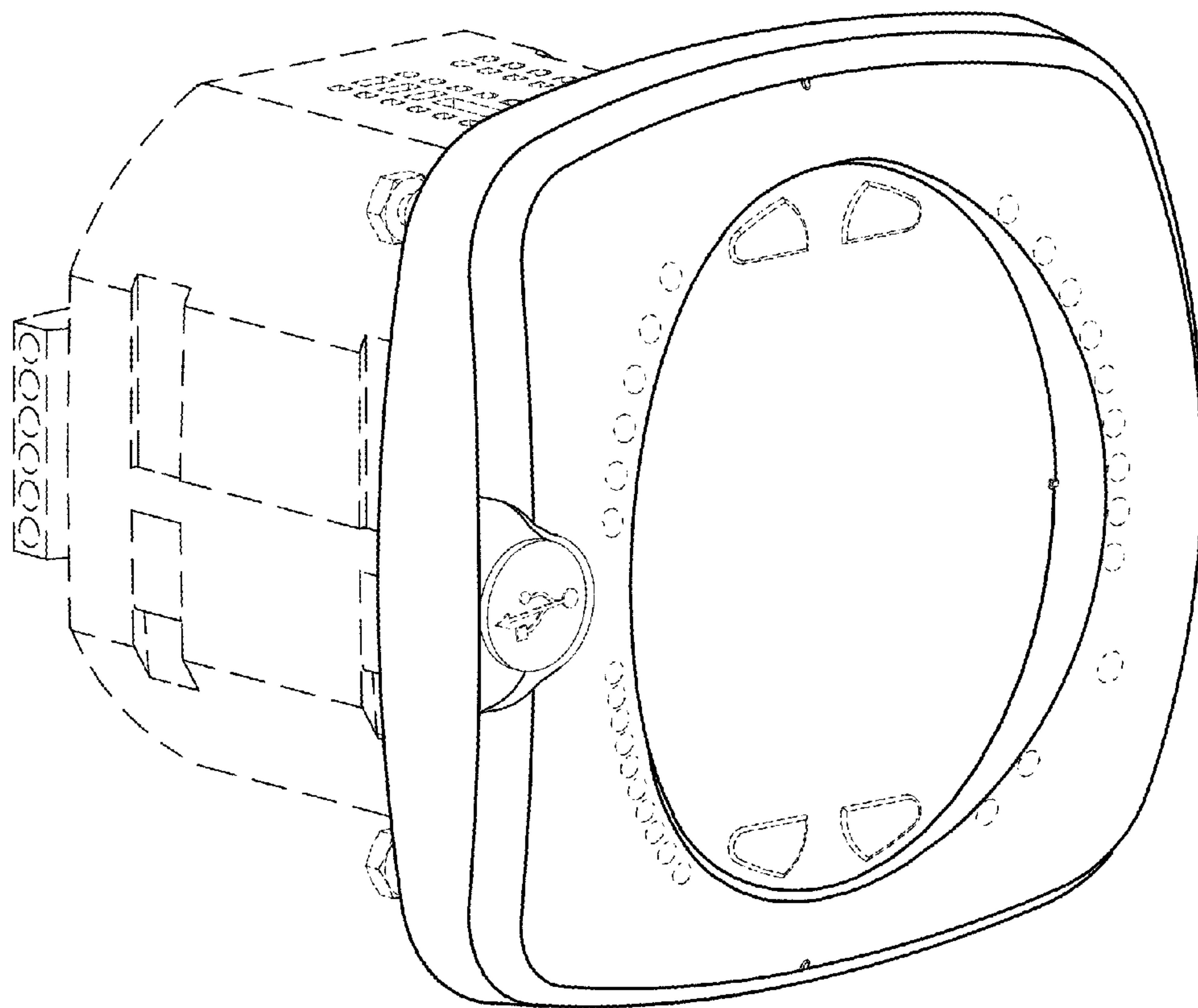


FIG. 1

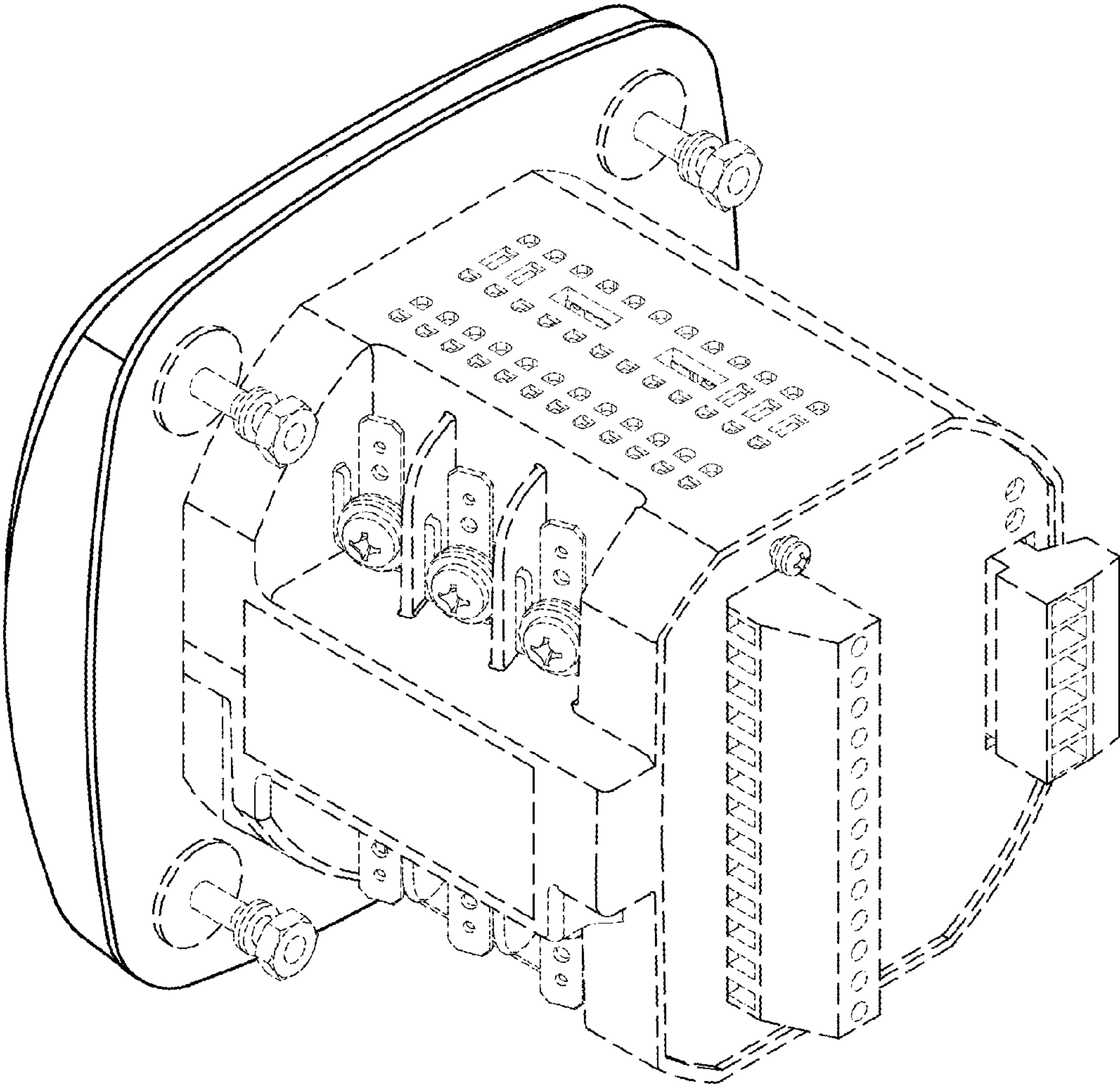


FIG.2

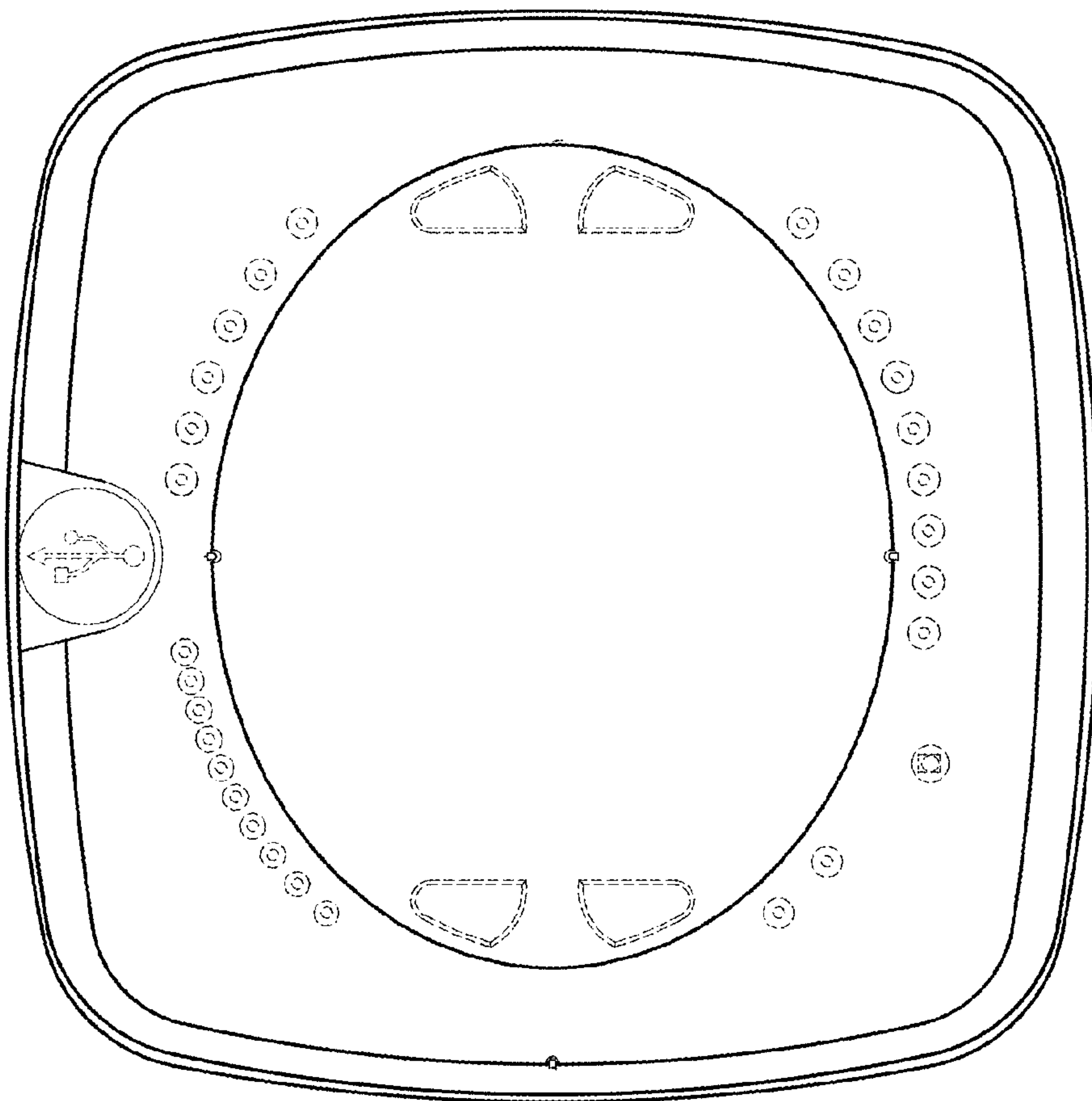


FIG.3

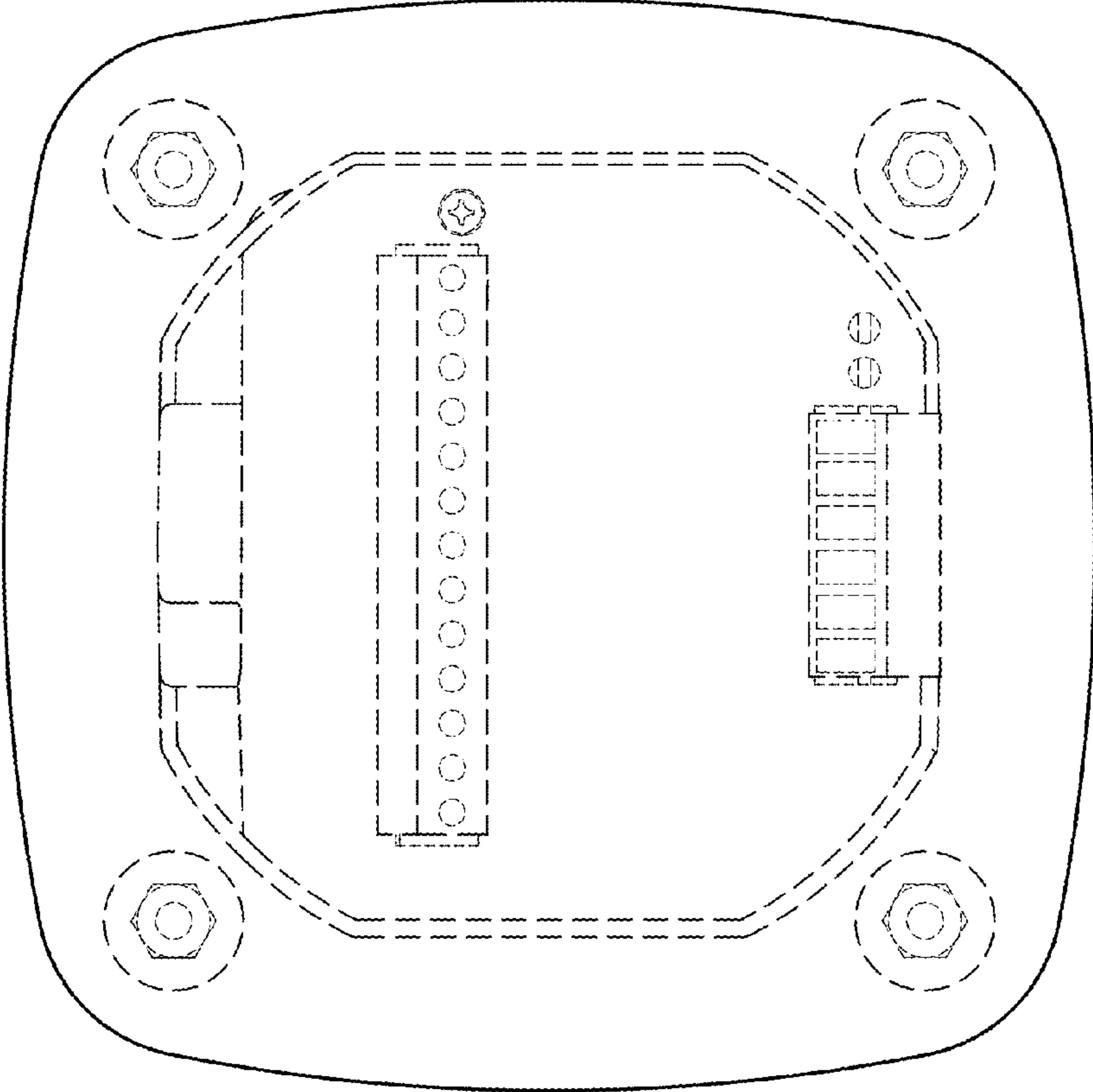


FIG.4

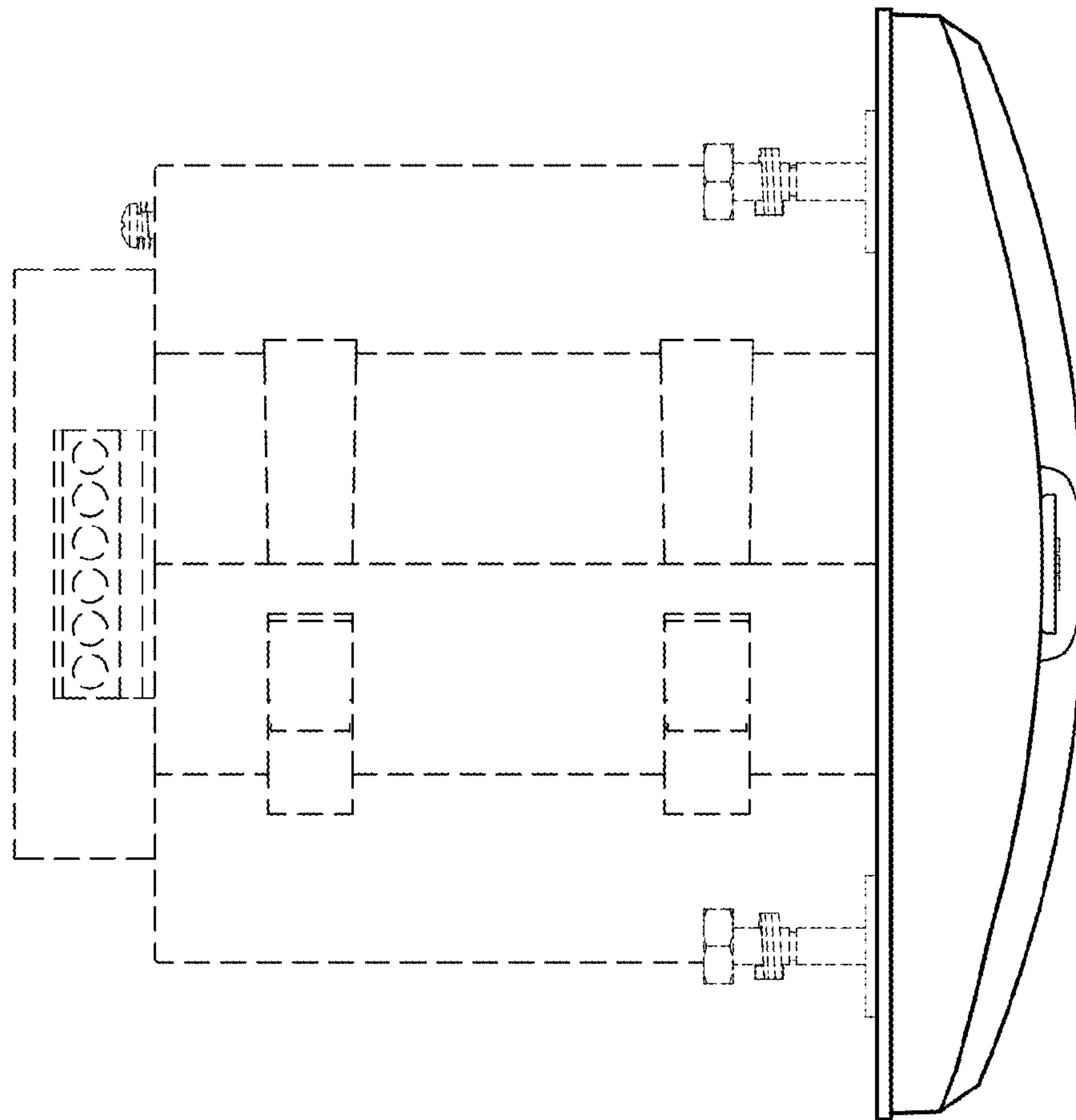


FIG.5

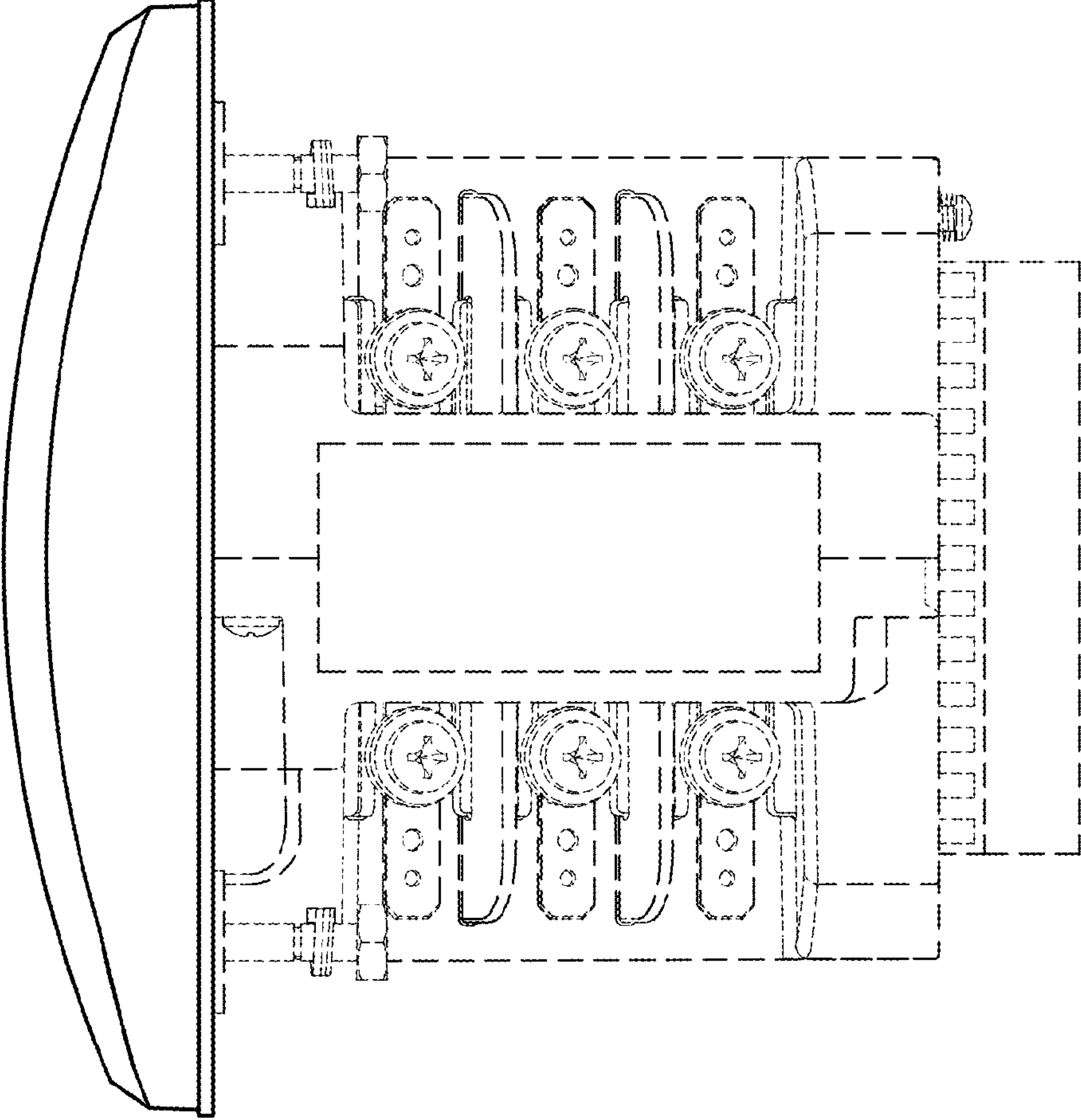


FIG.6

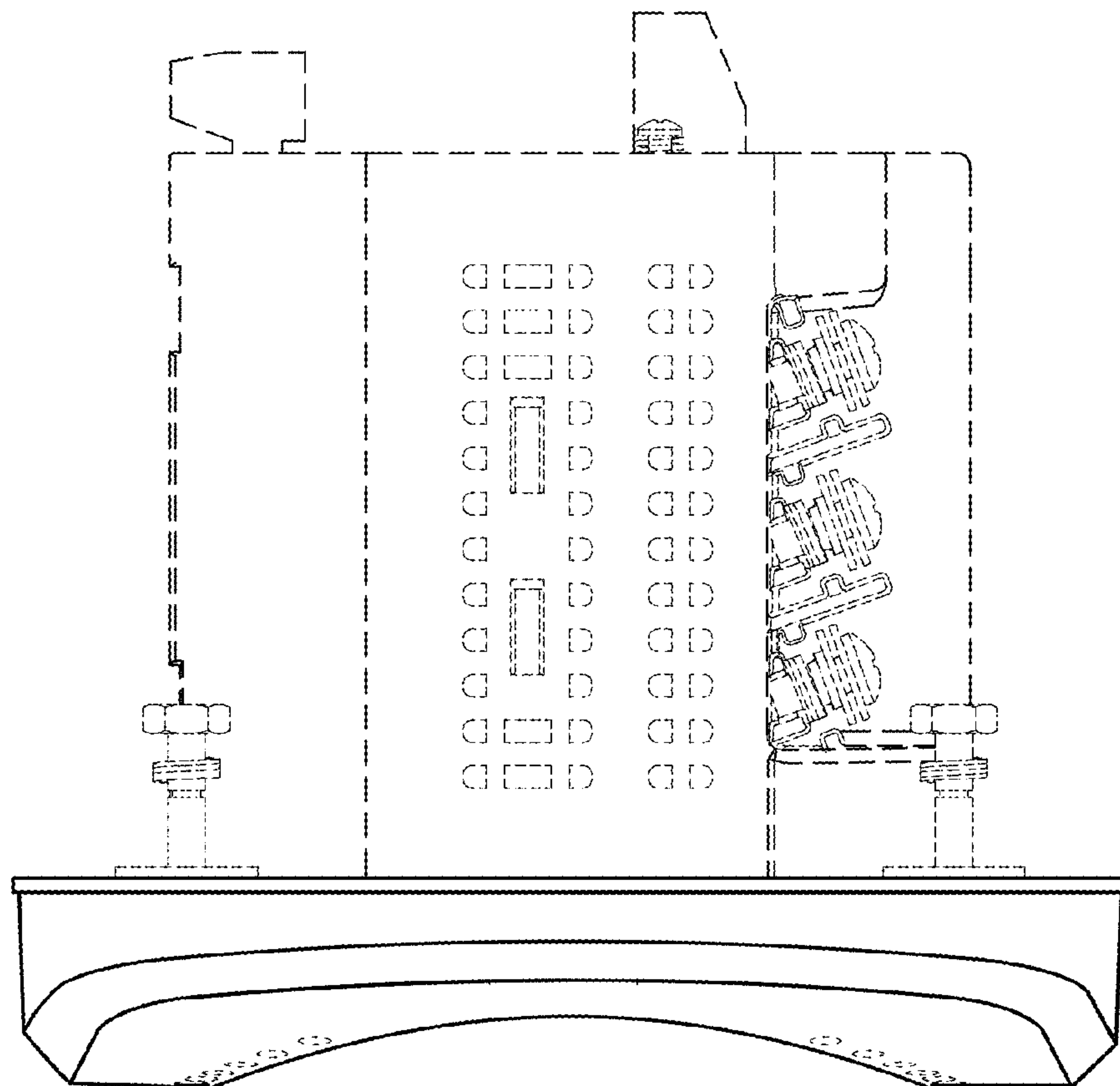


FIG. 7

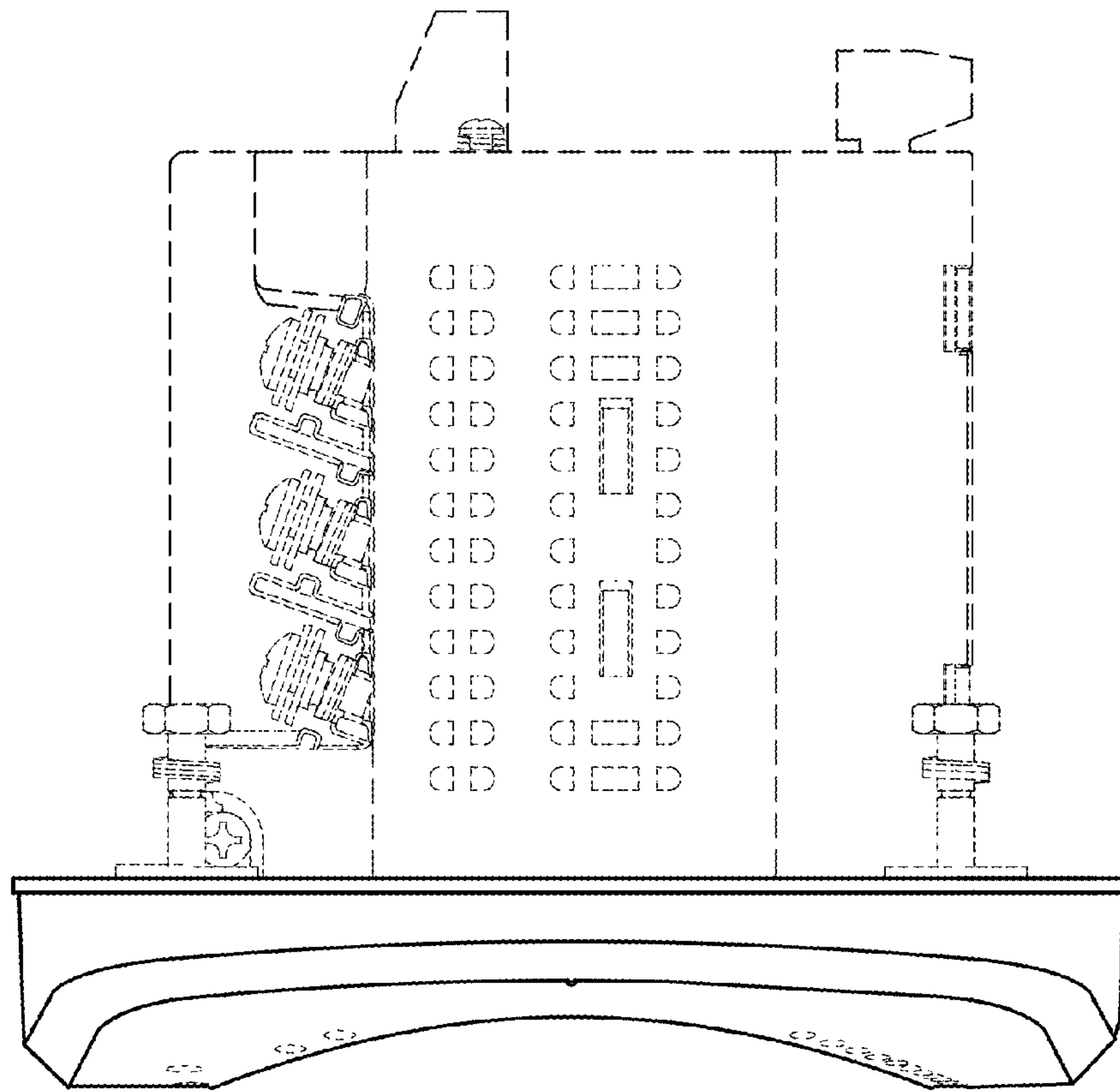


FIG.8

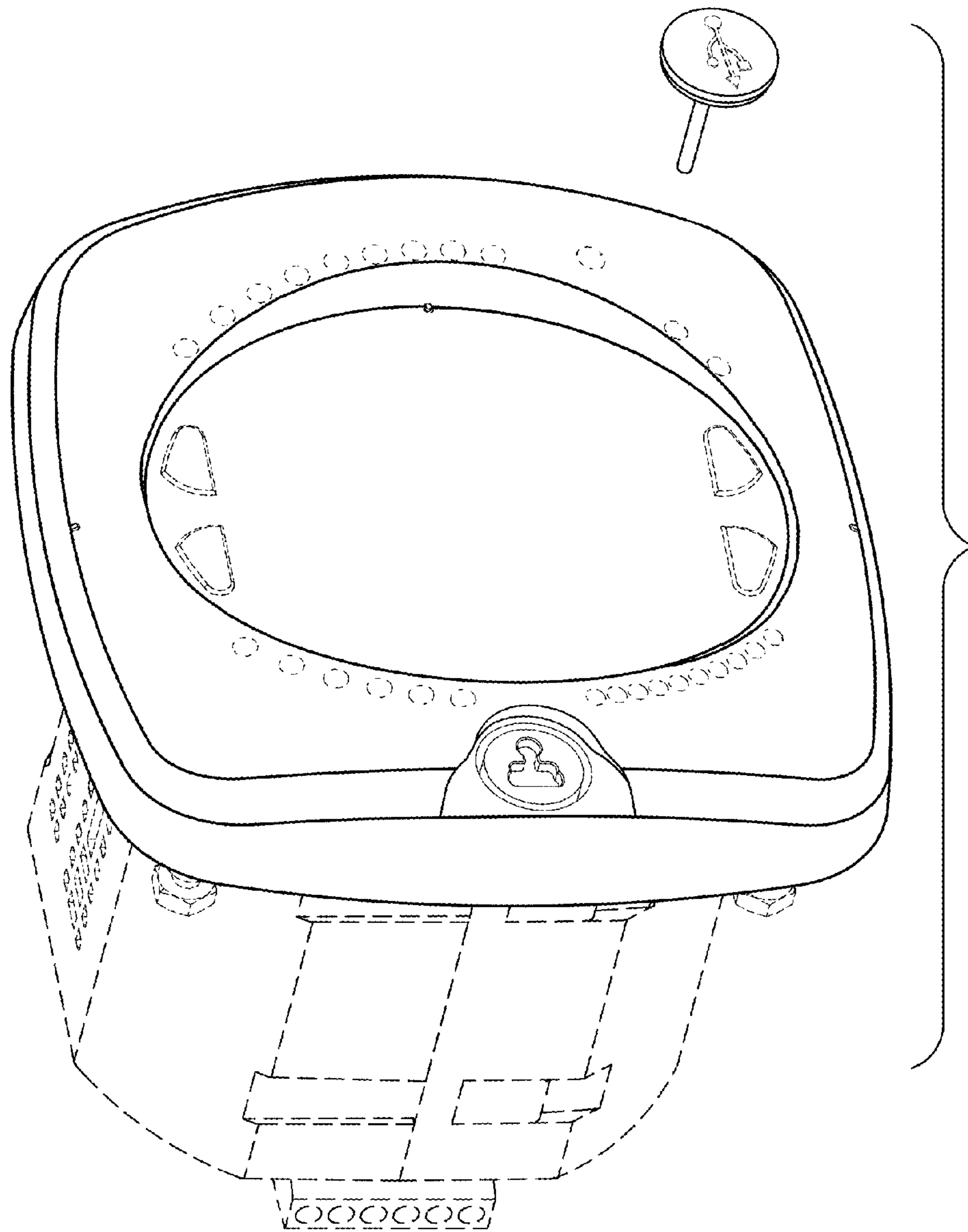


FIG. 9

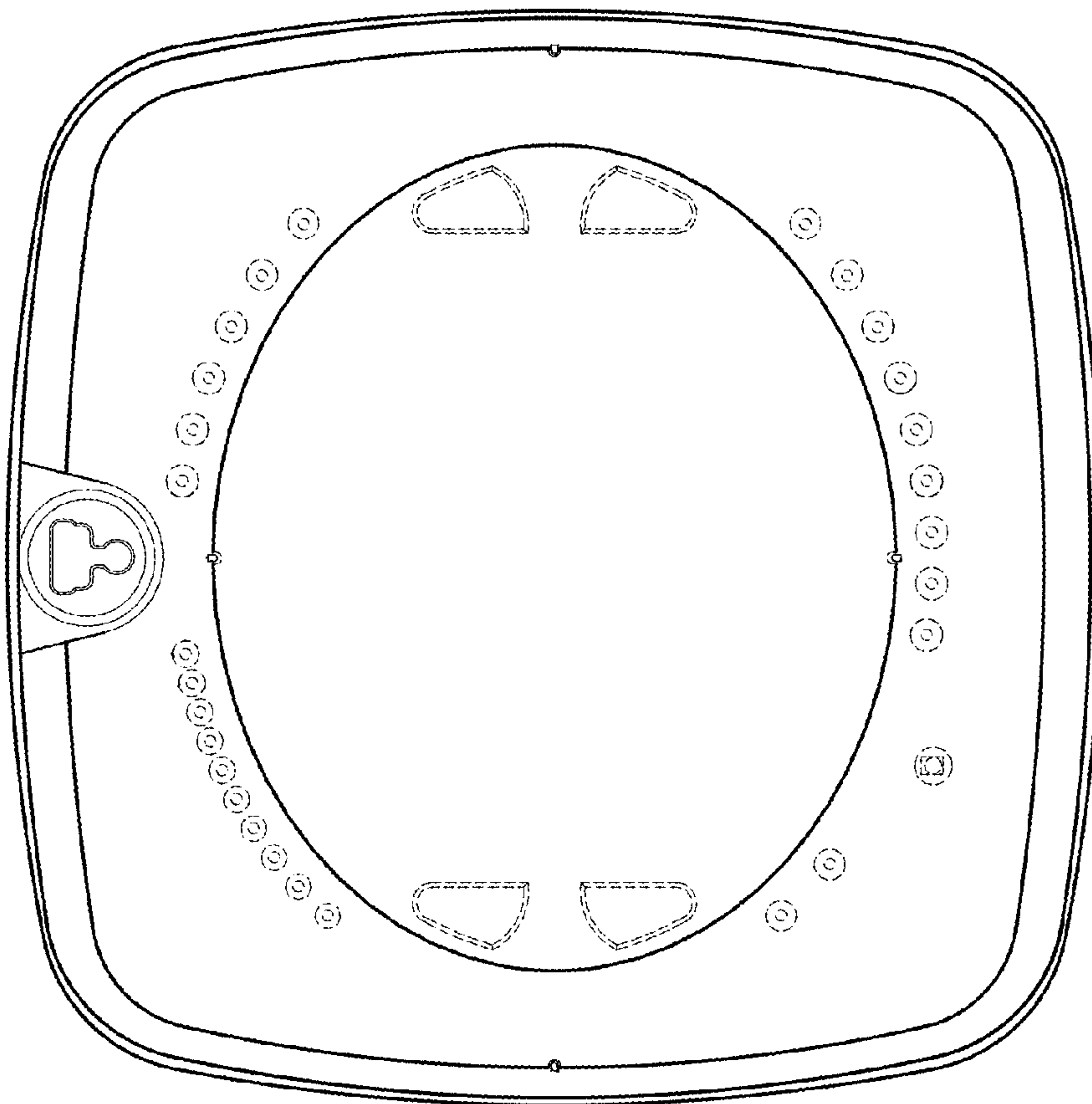


FIG. 10

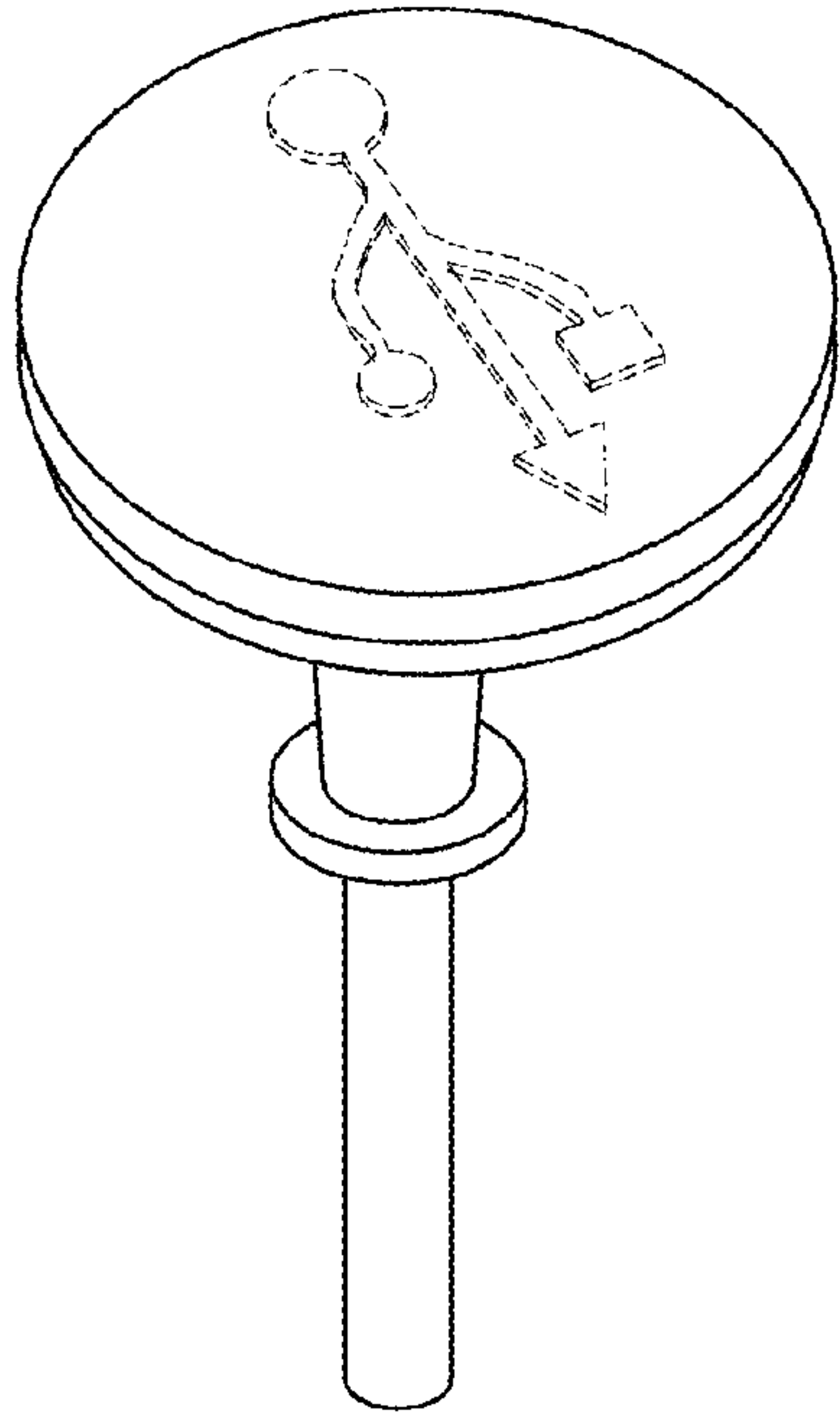


FIG. 11

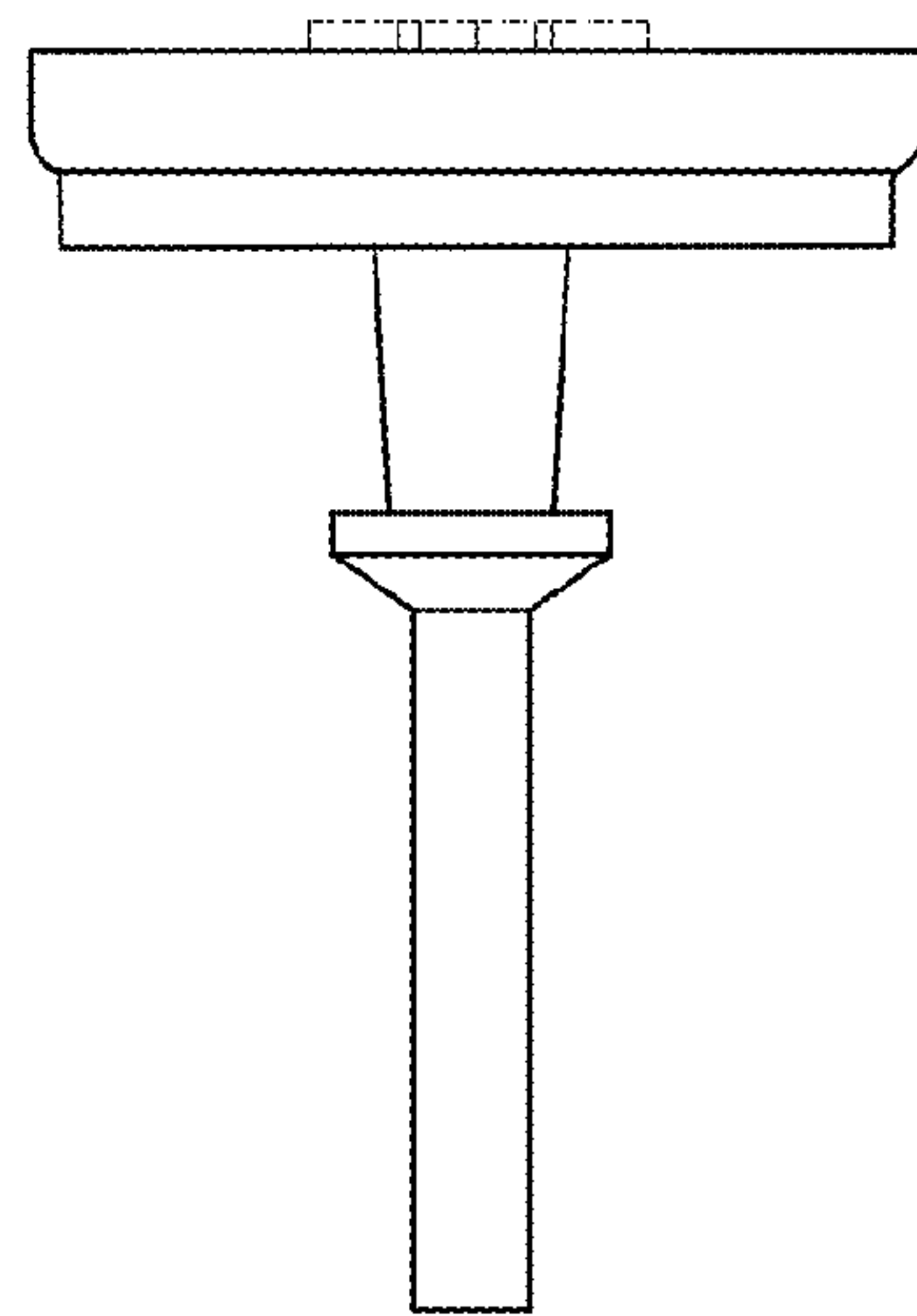


FIG. 13

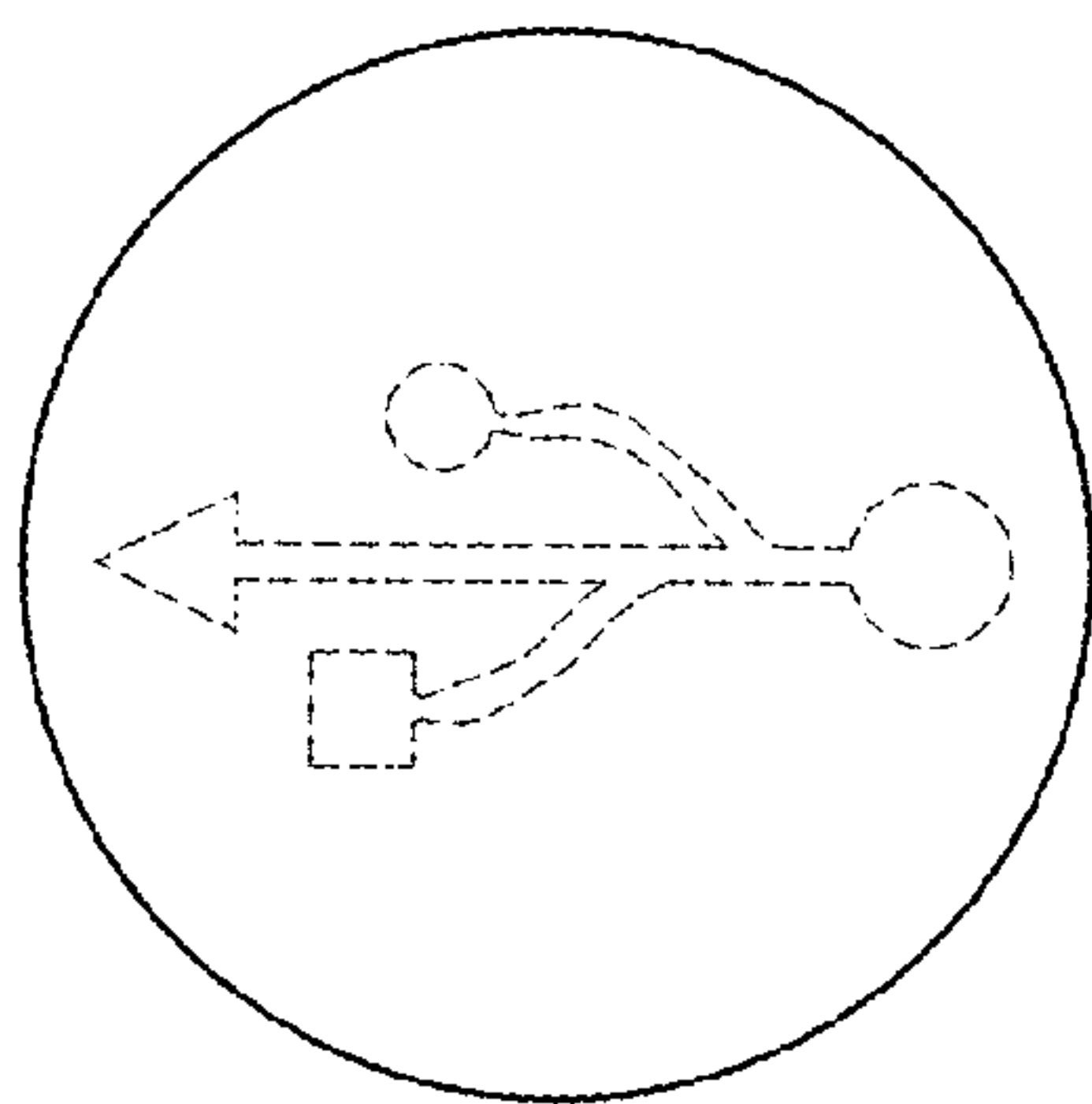


FIG. 12

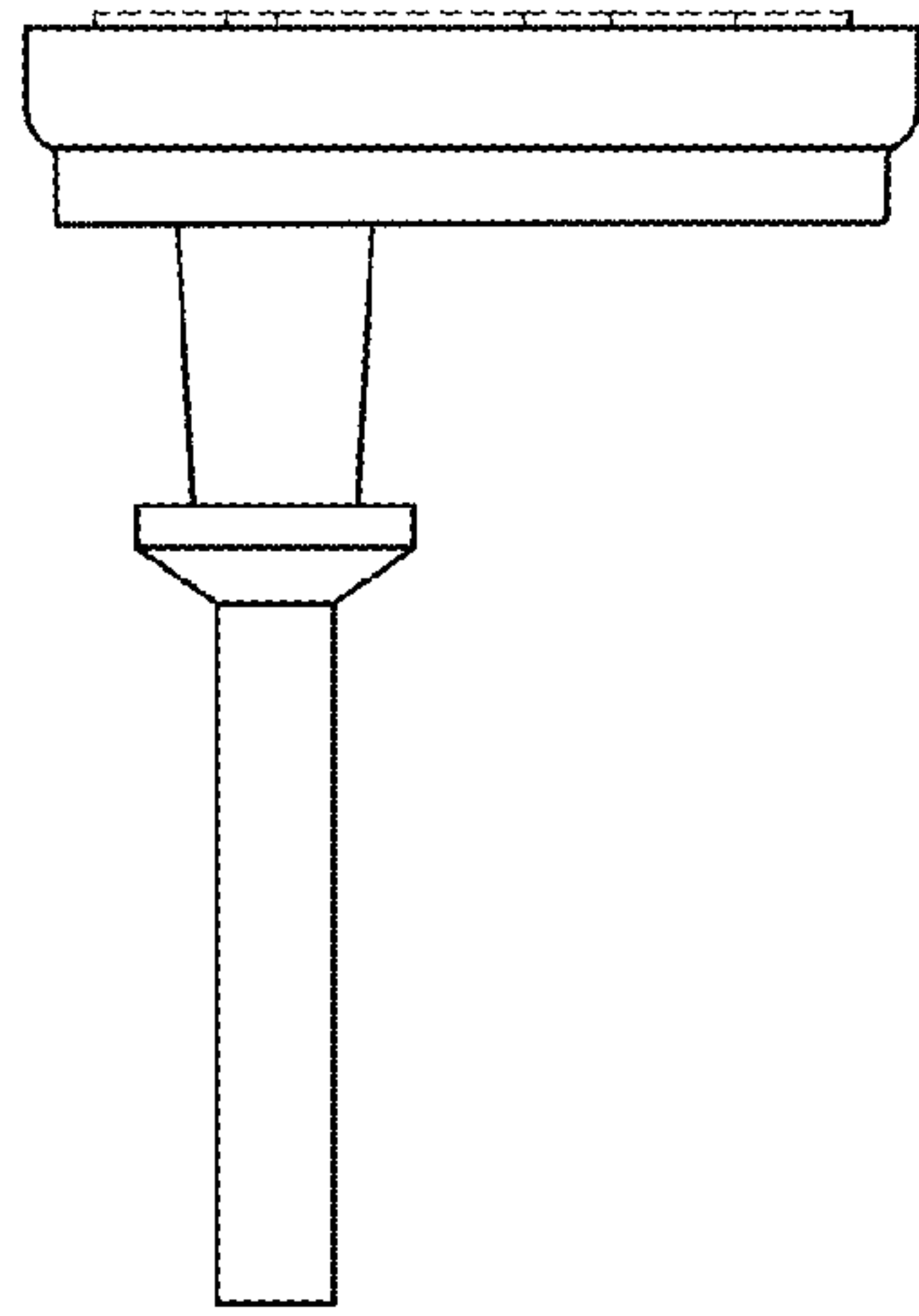


FIG. 14

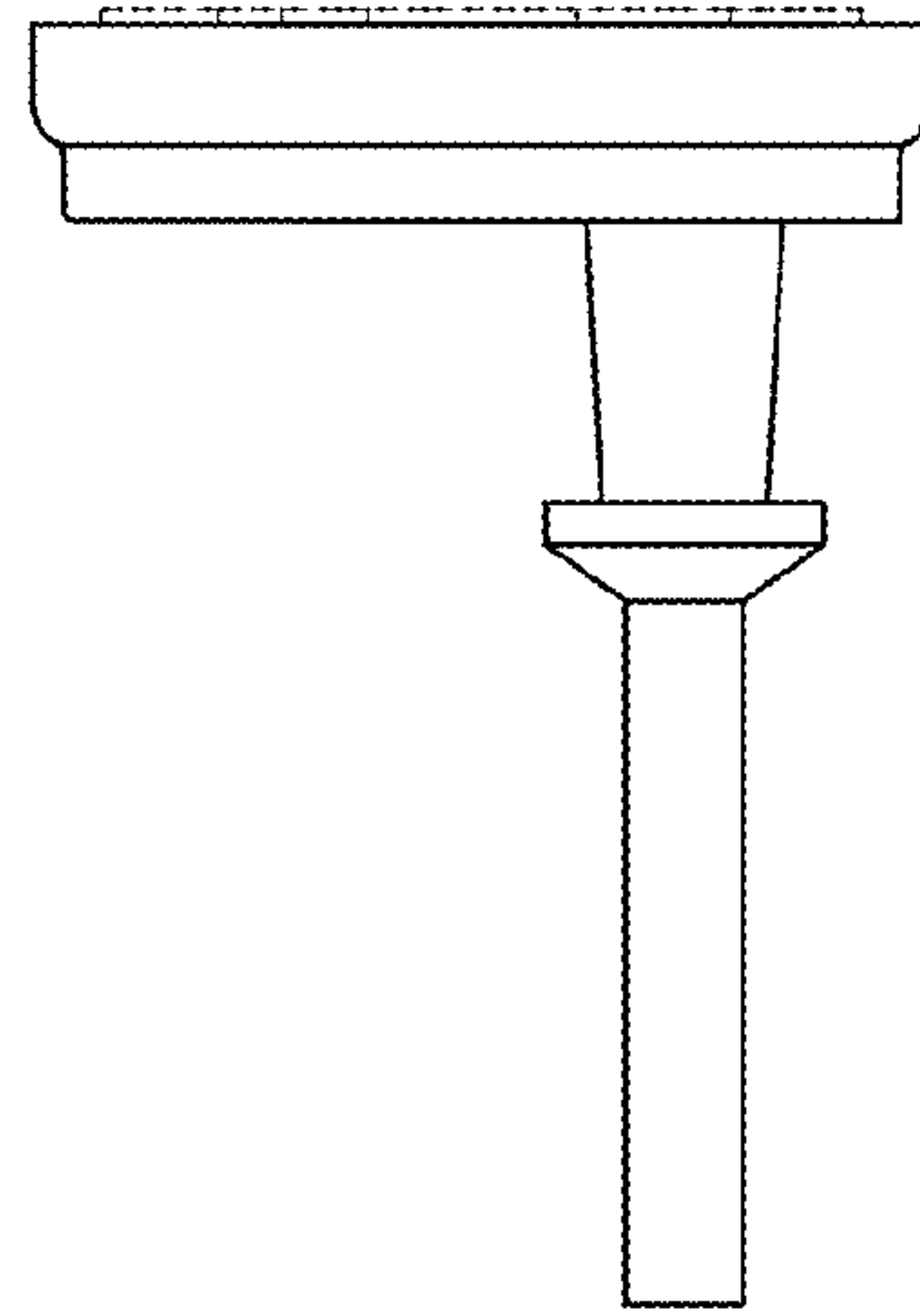


FIG. 15

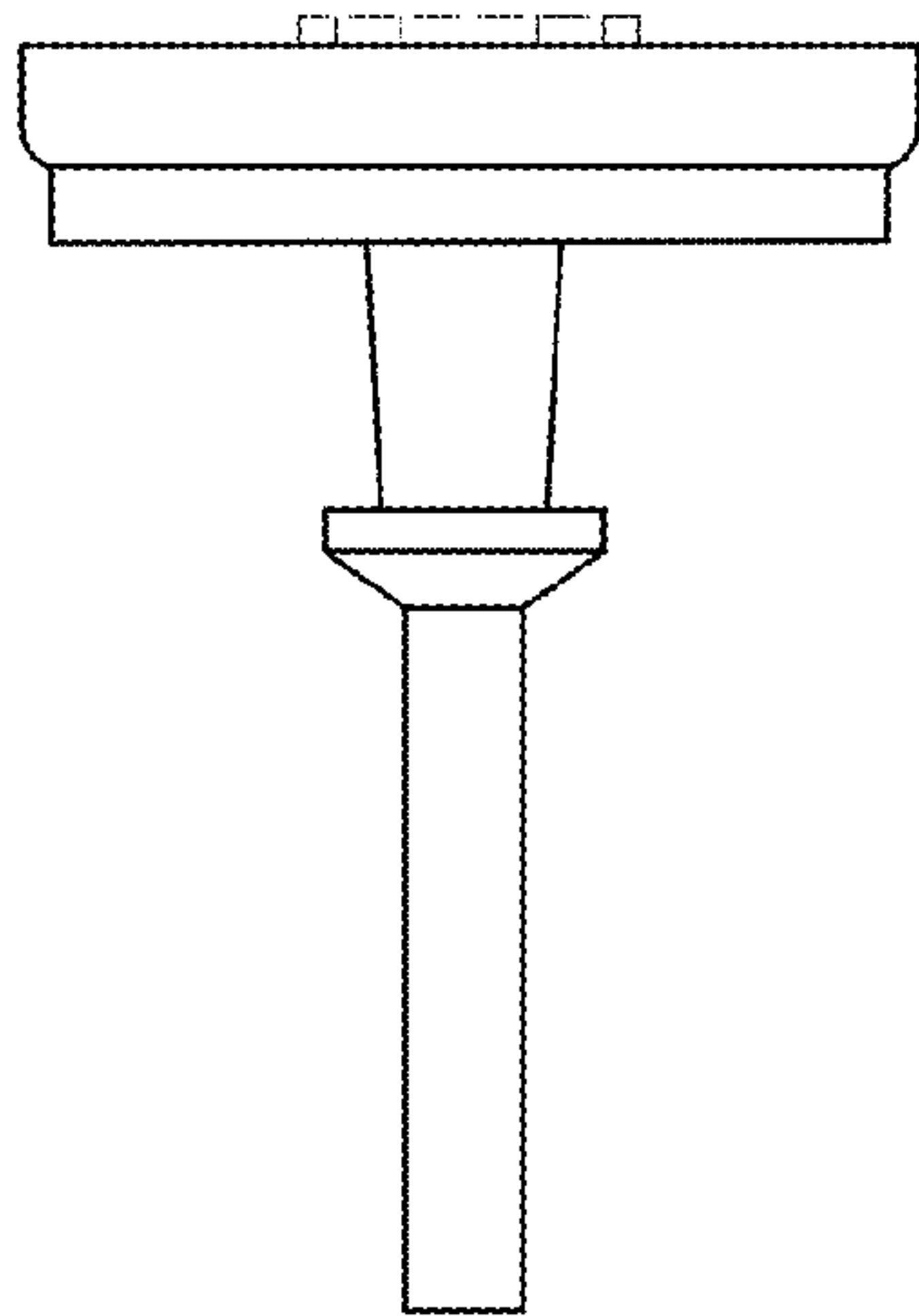


FIG. 16

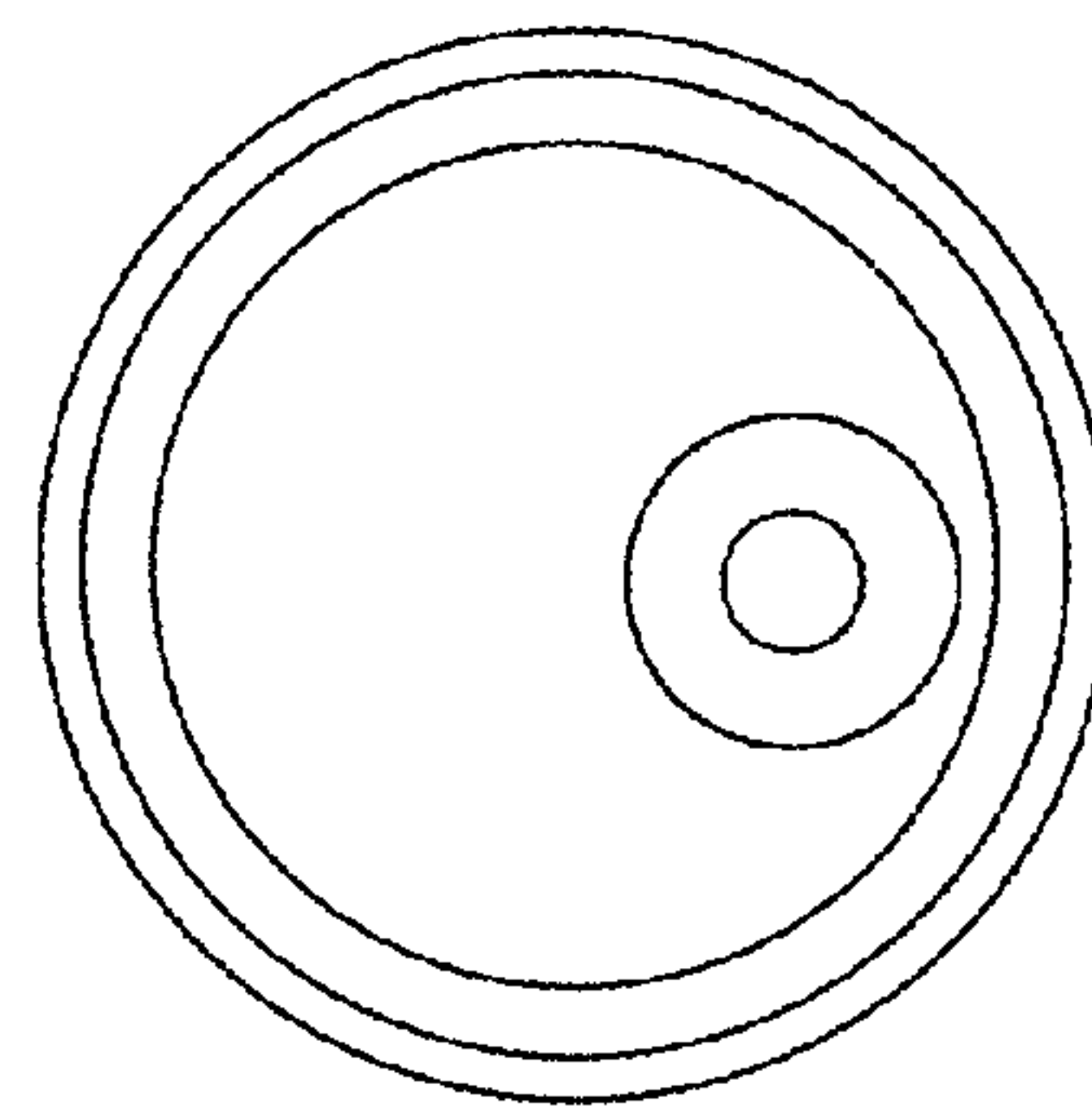


FIG. 17

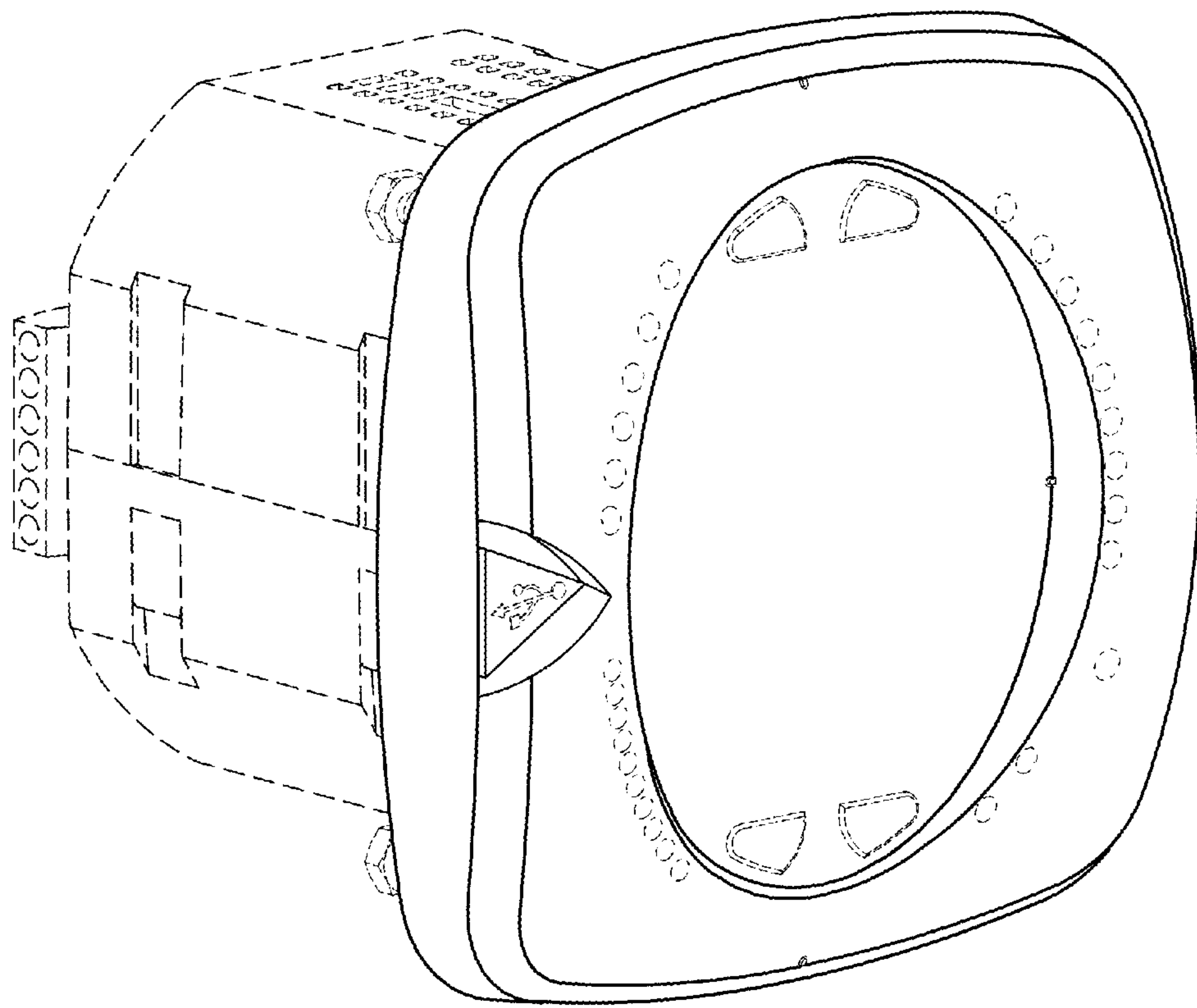


FIG.18

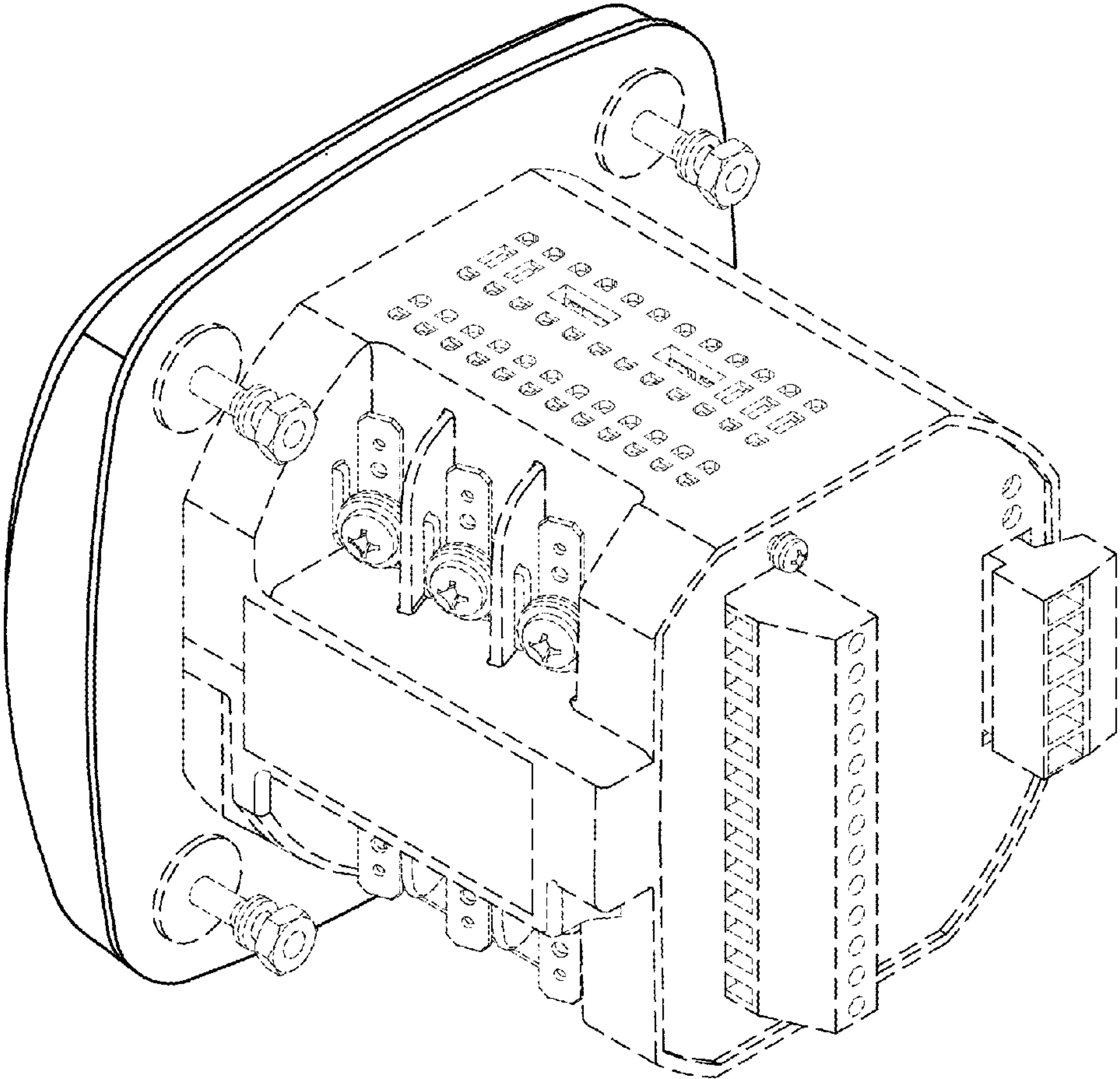


FIG. 19

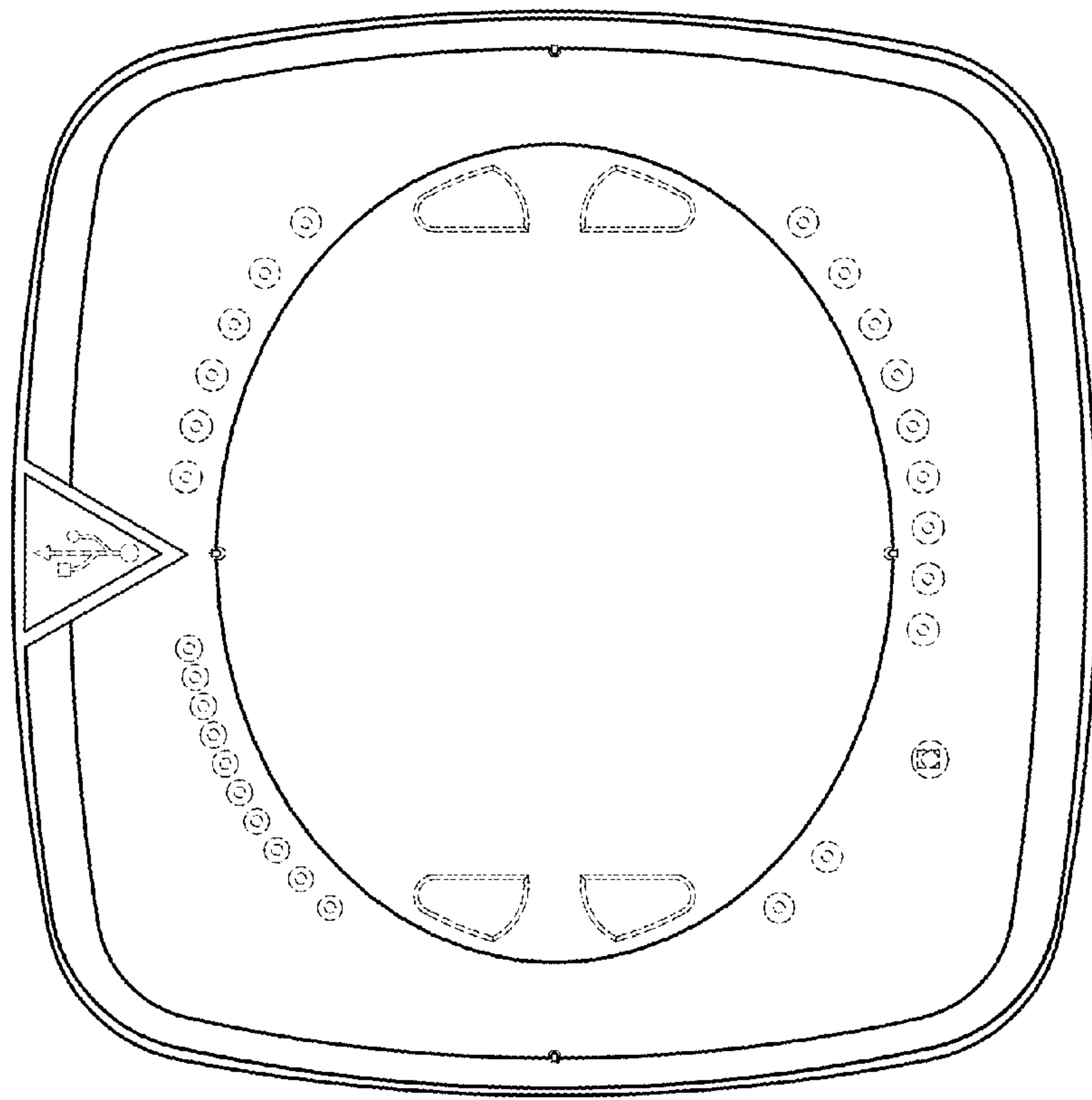


FIG. 20

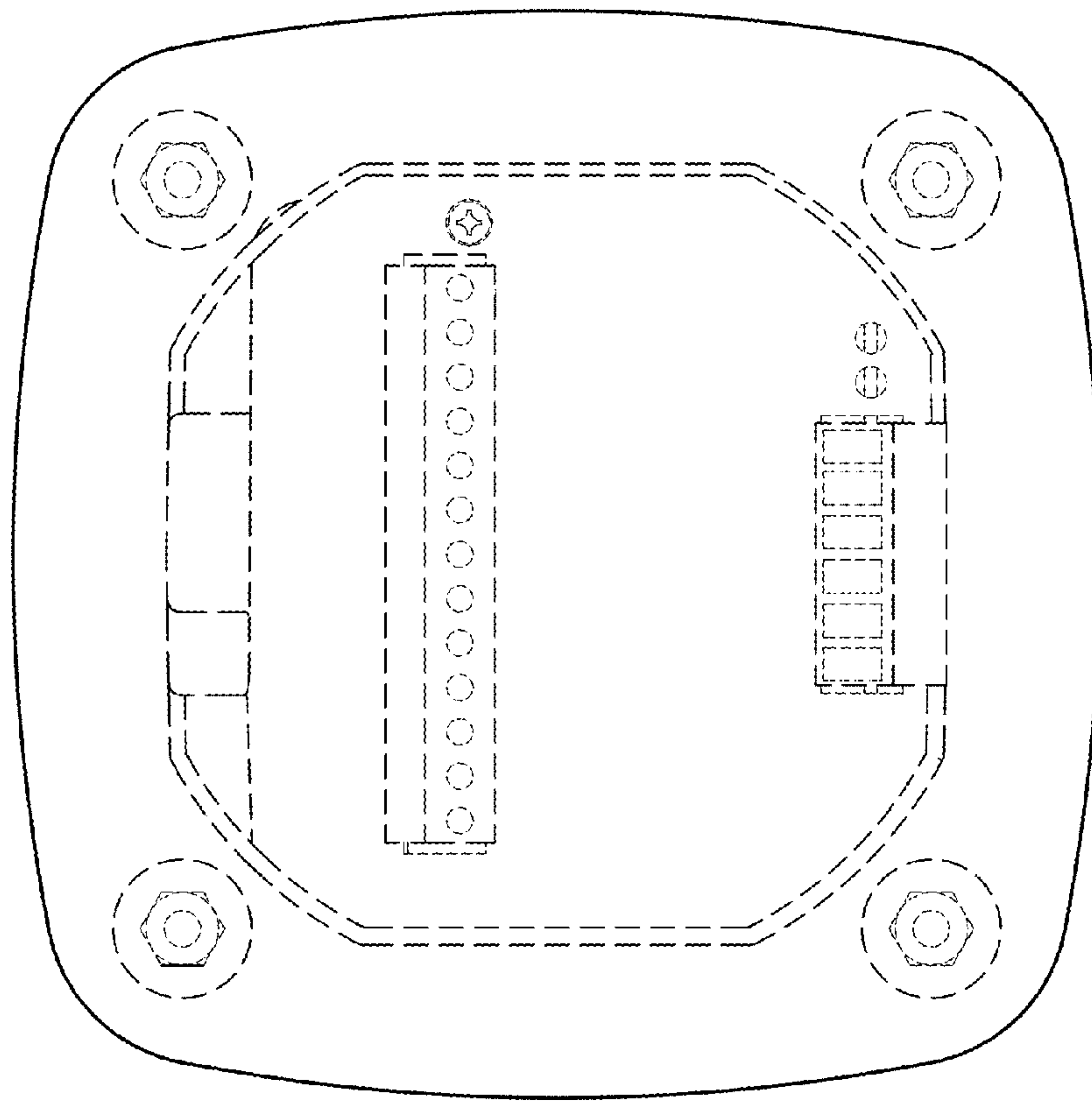


FIG.21

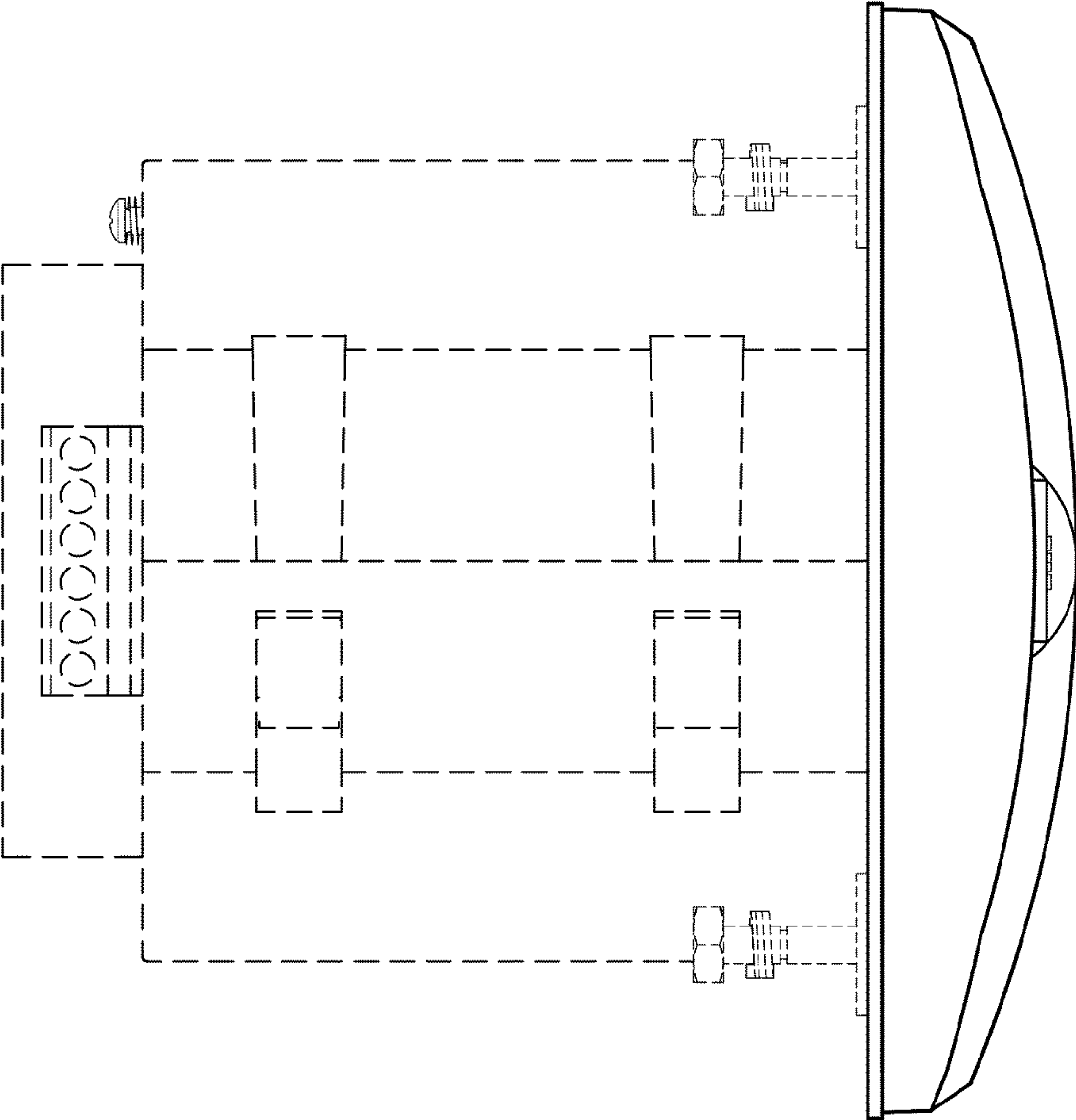


FIG.22

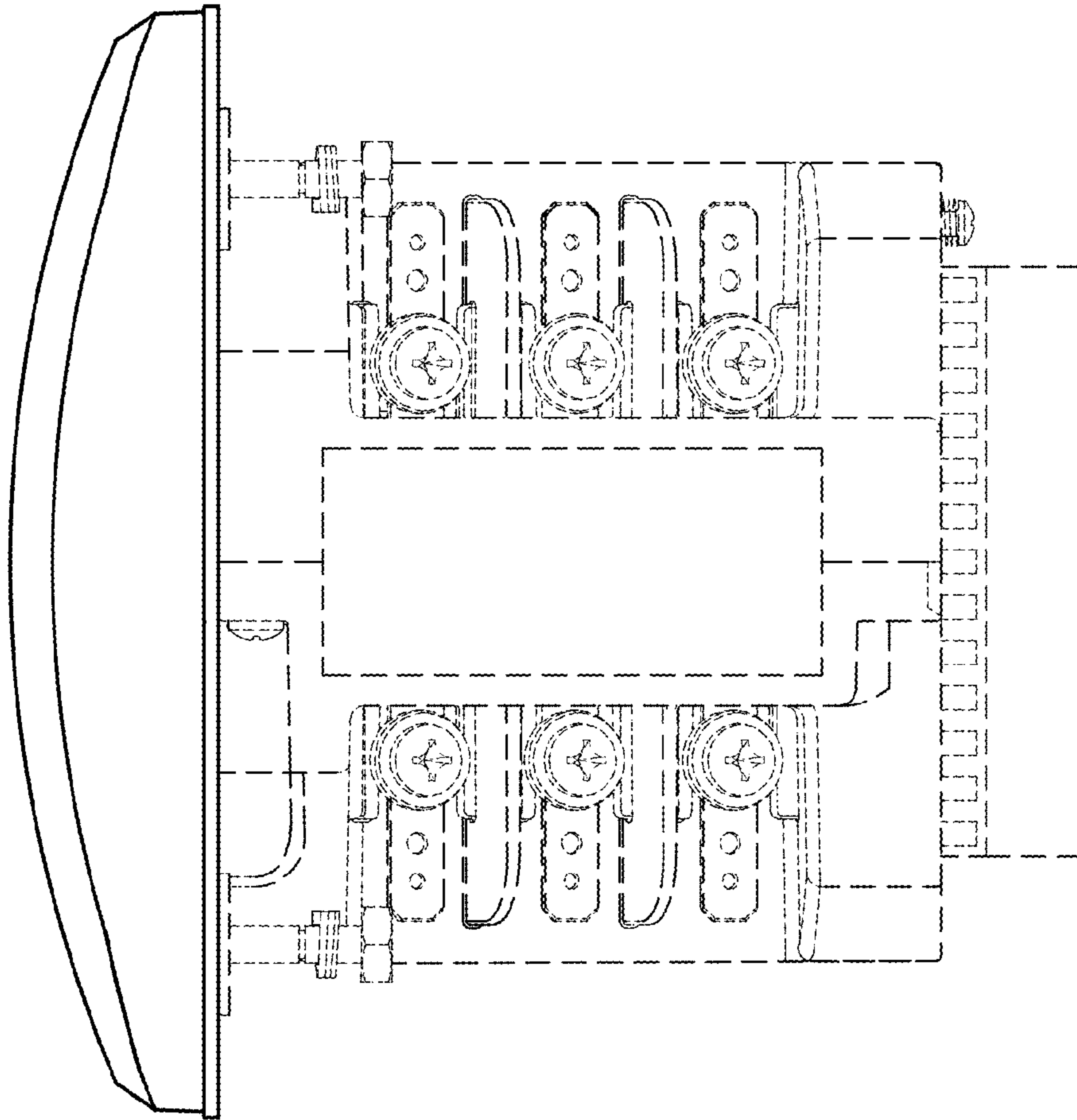


FIG.23

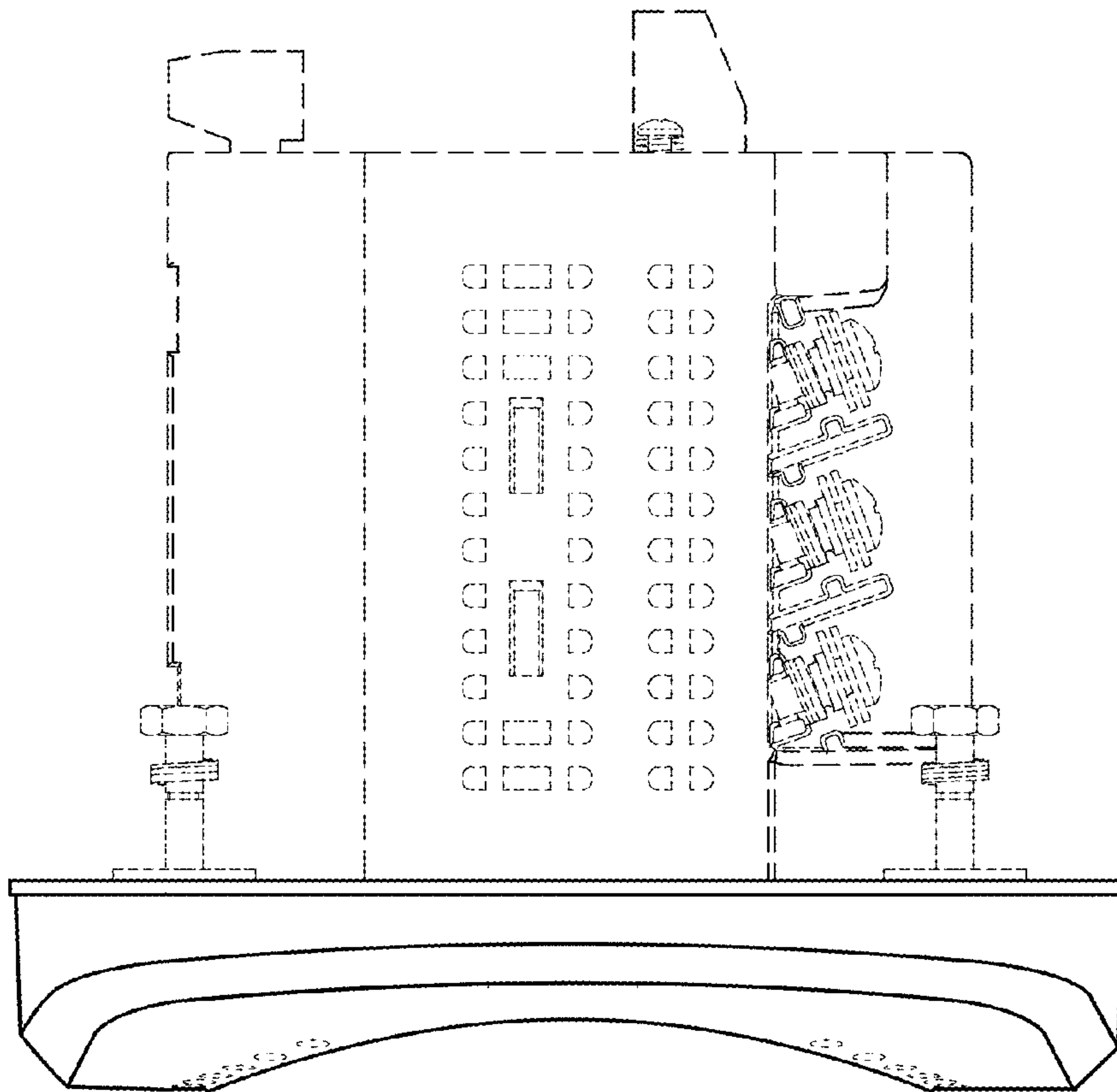


FIG.24

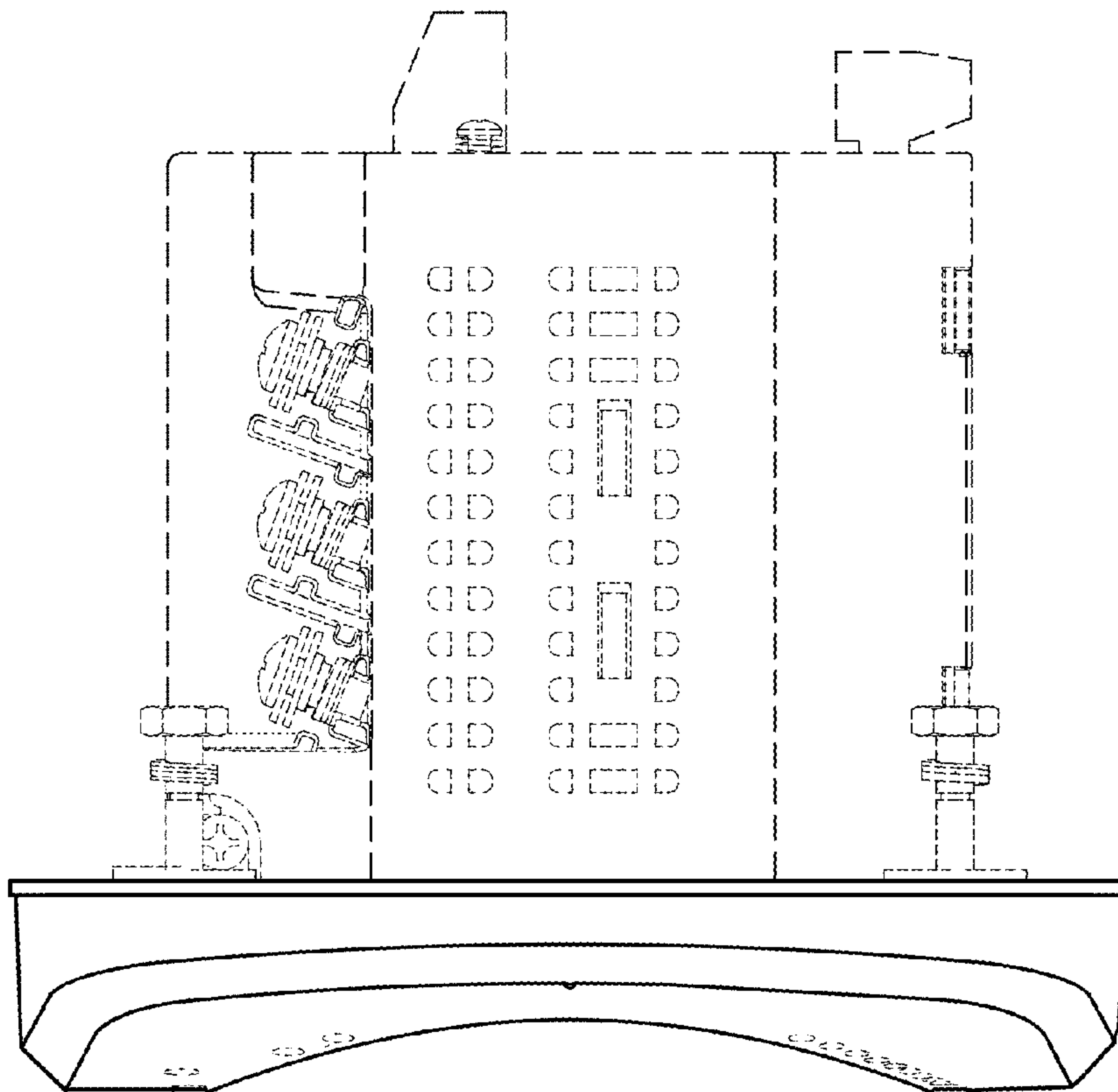


FIG.25

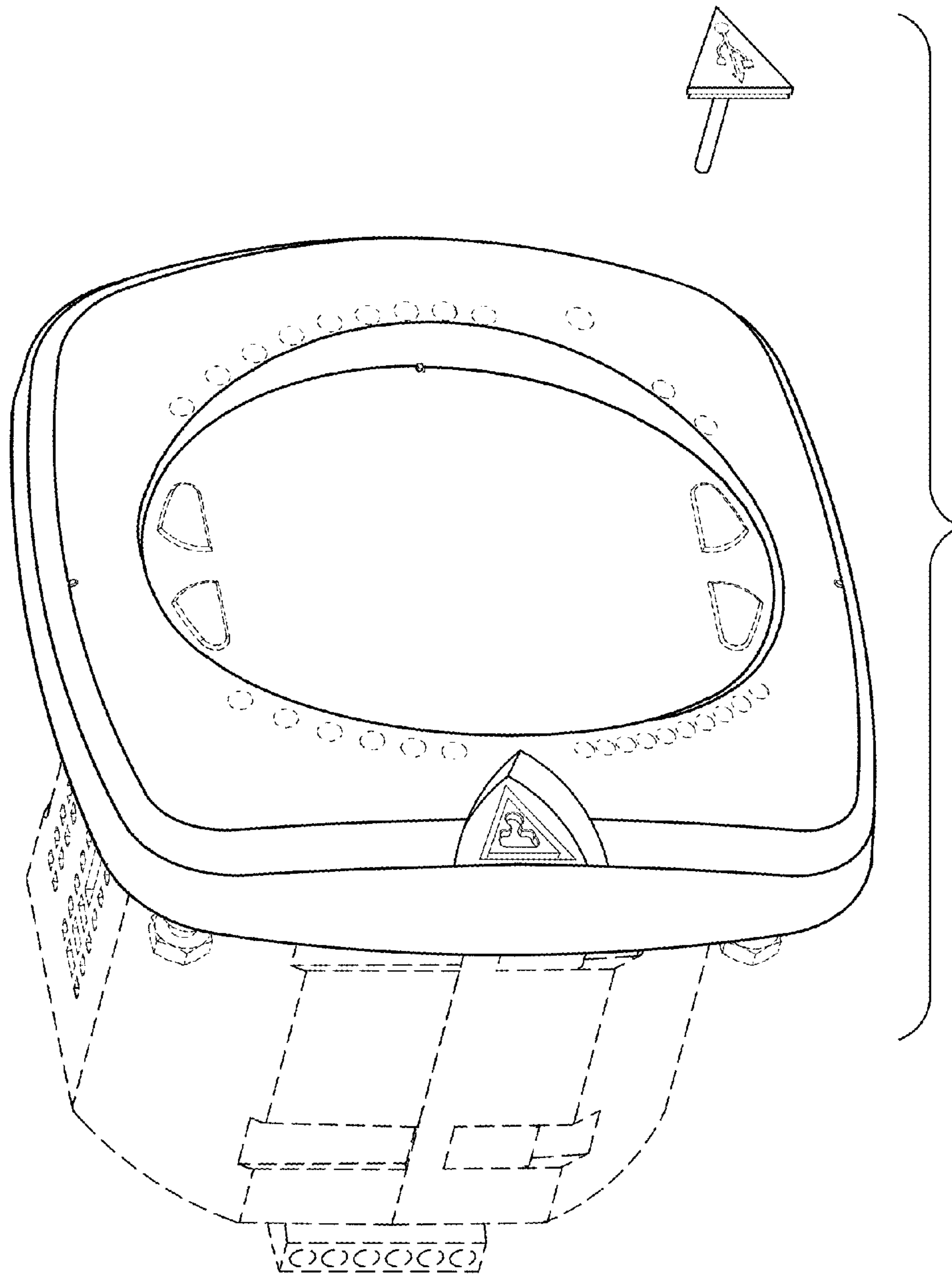


FIG.26

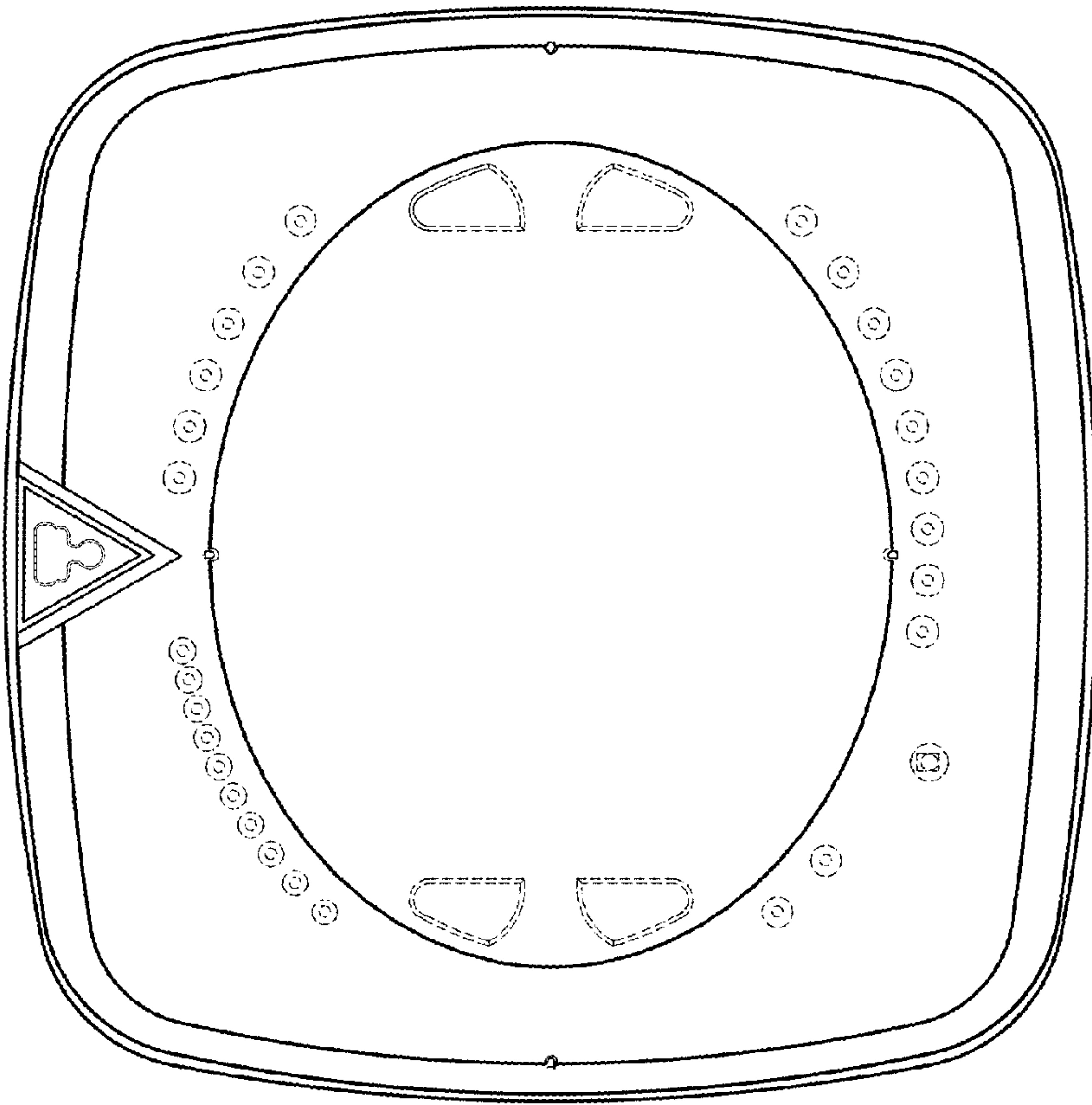


FIG.27

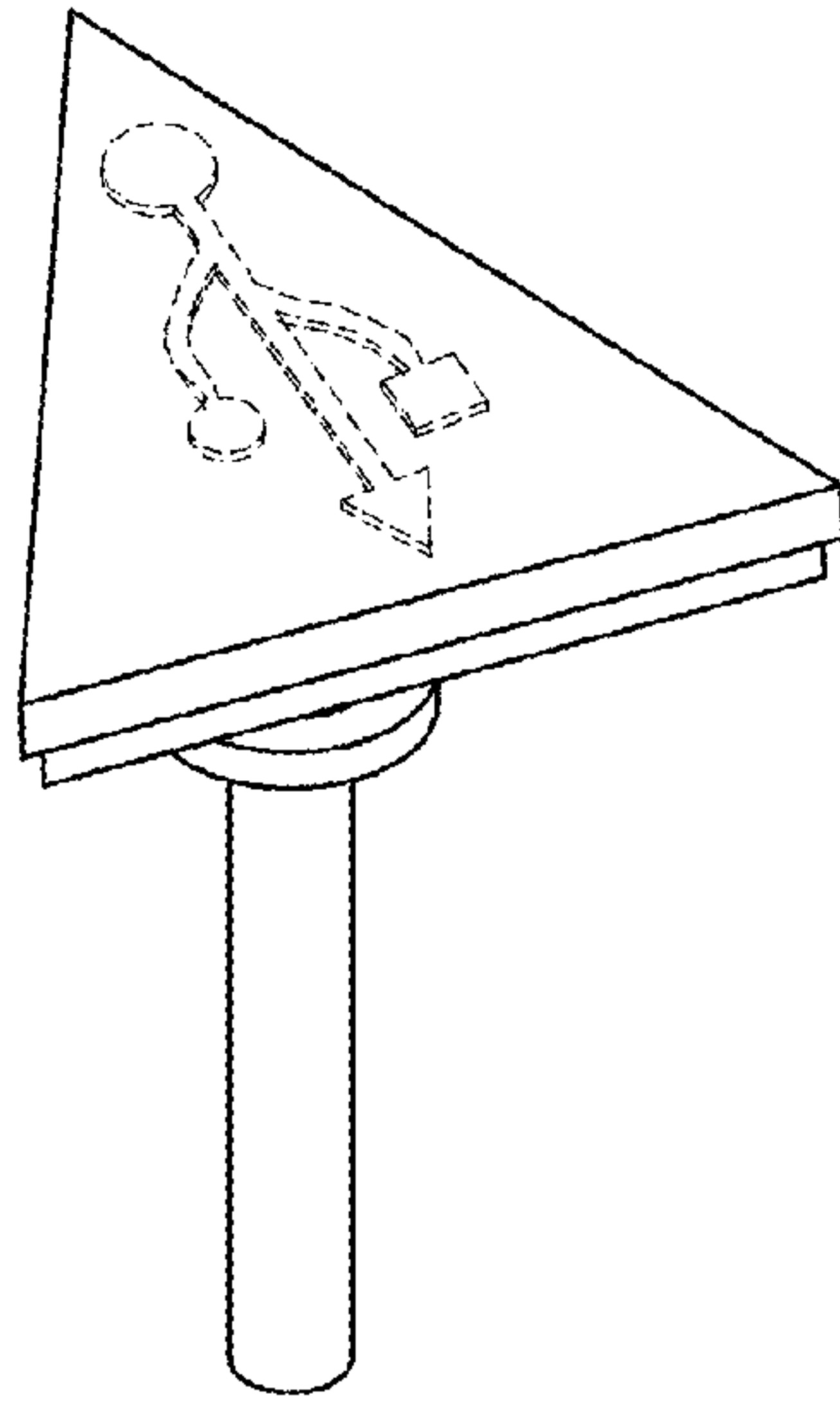


FIG. 28

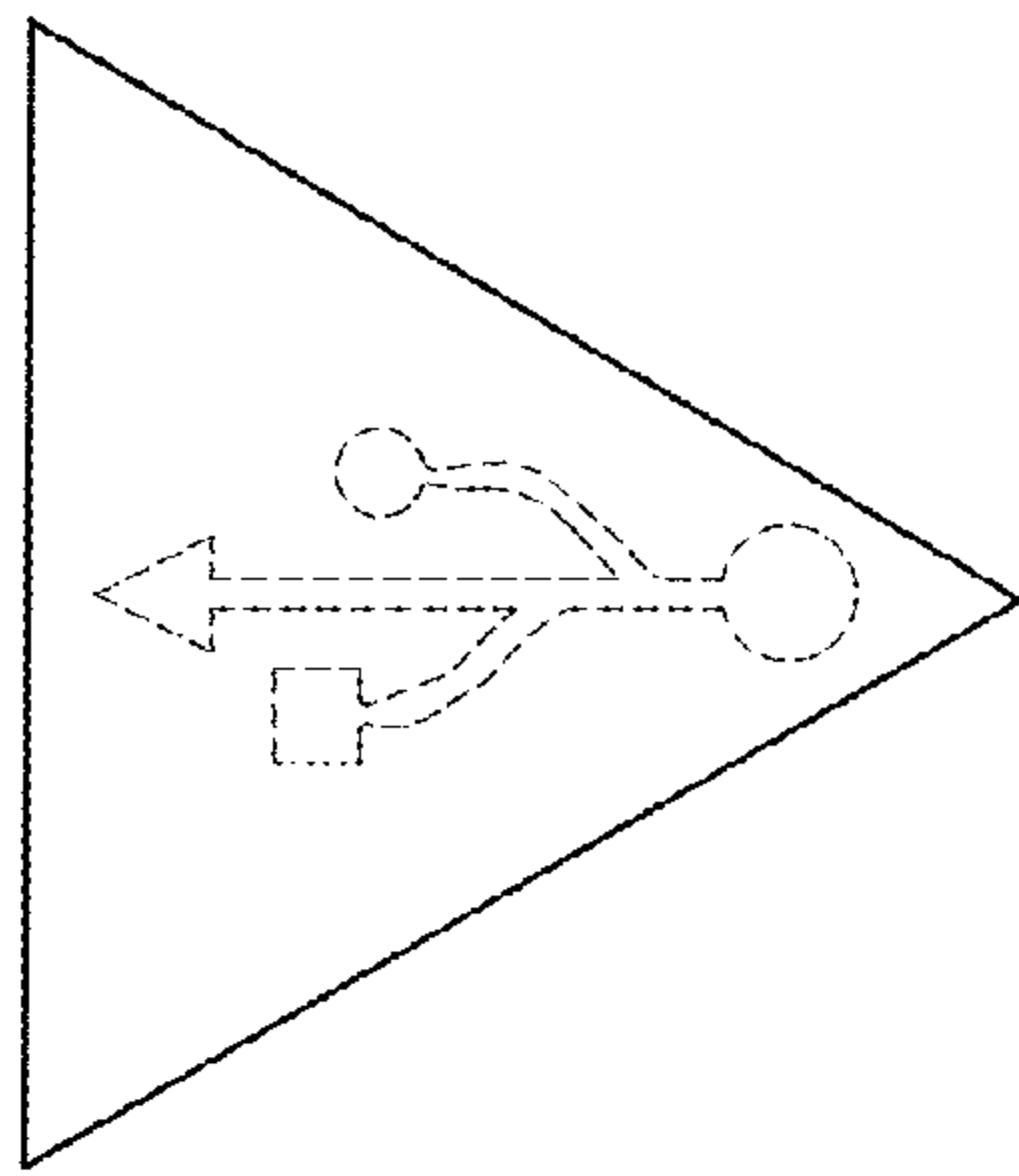


FIG. 29

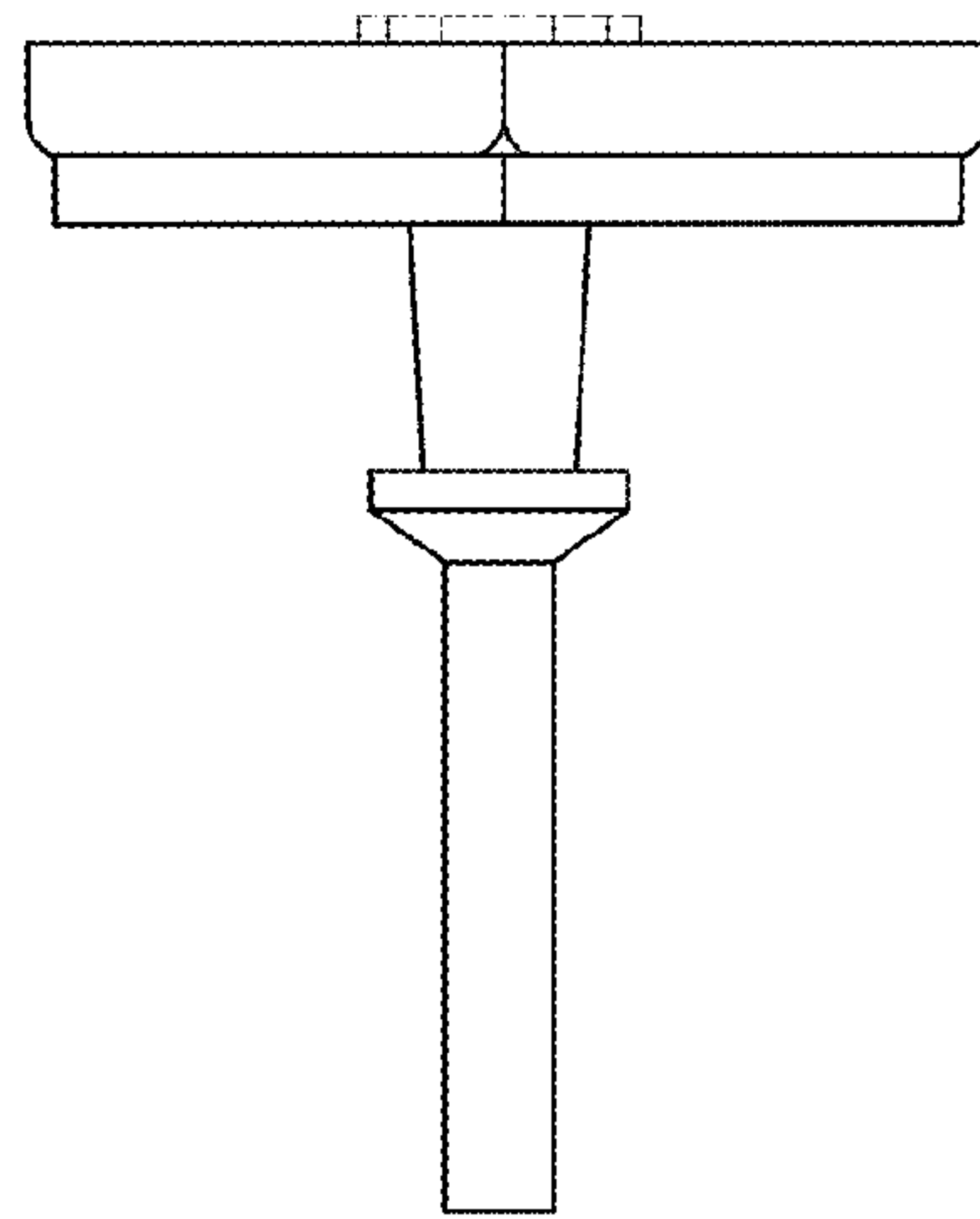


FIG. 30

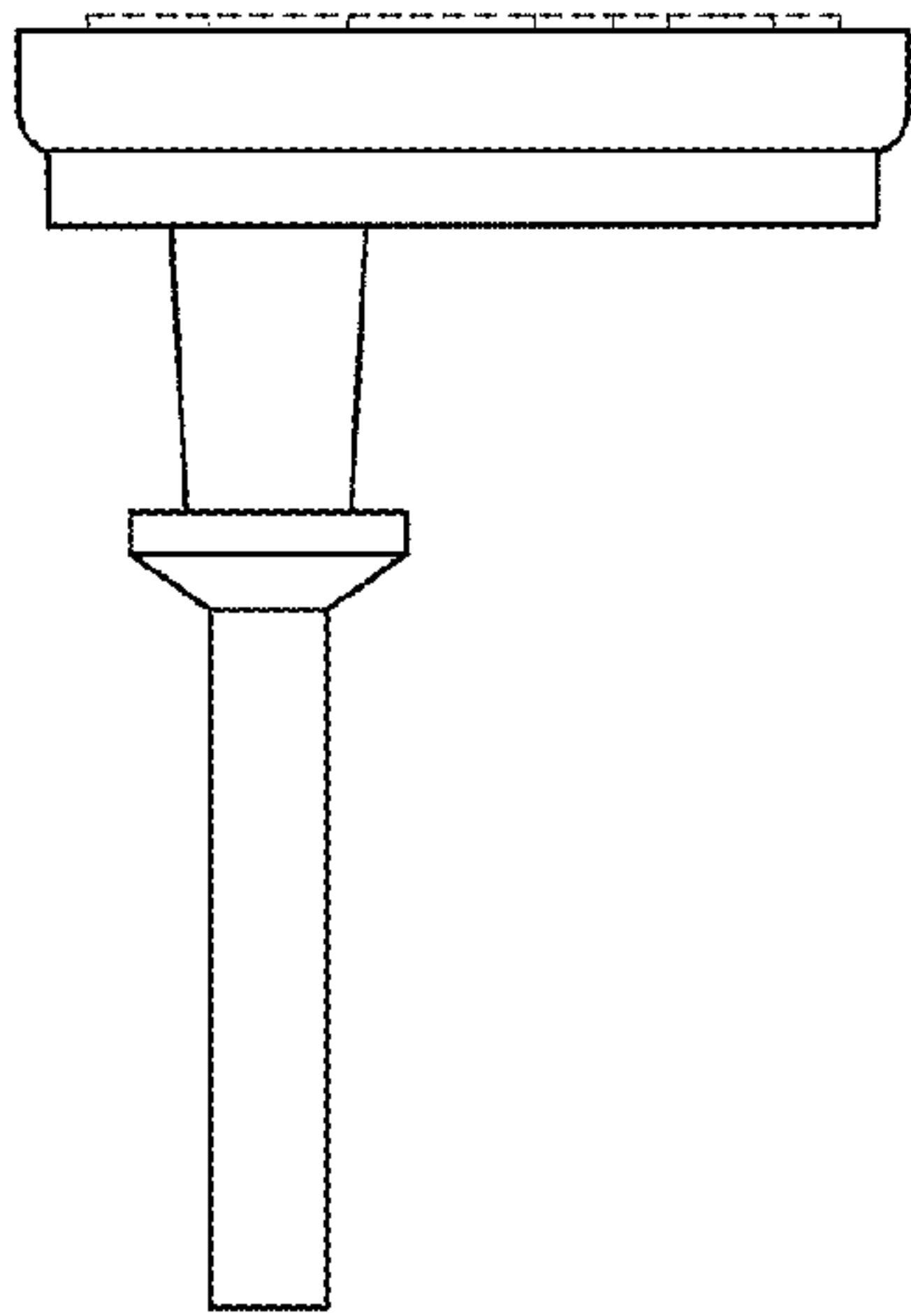


FIG. 31

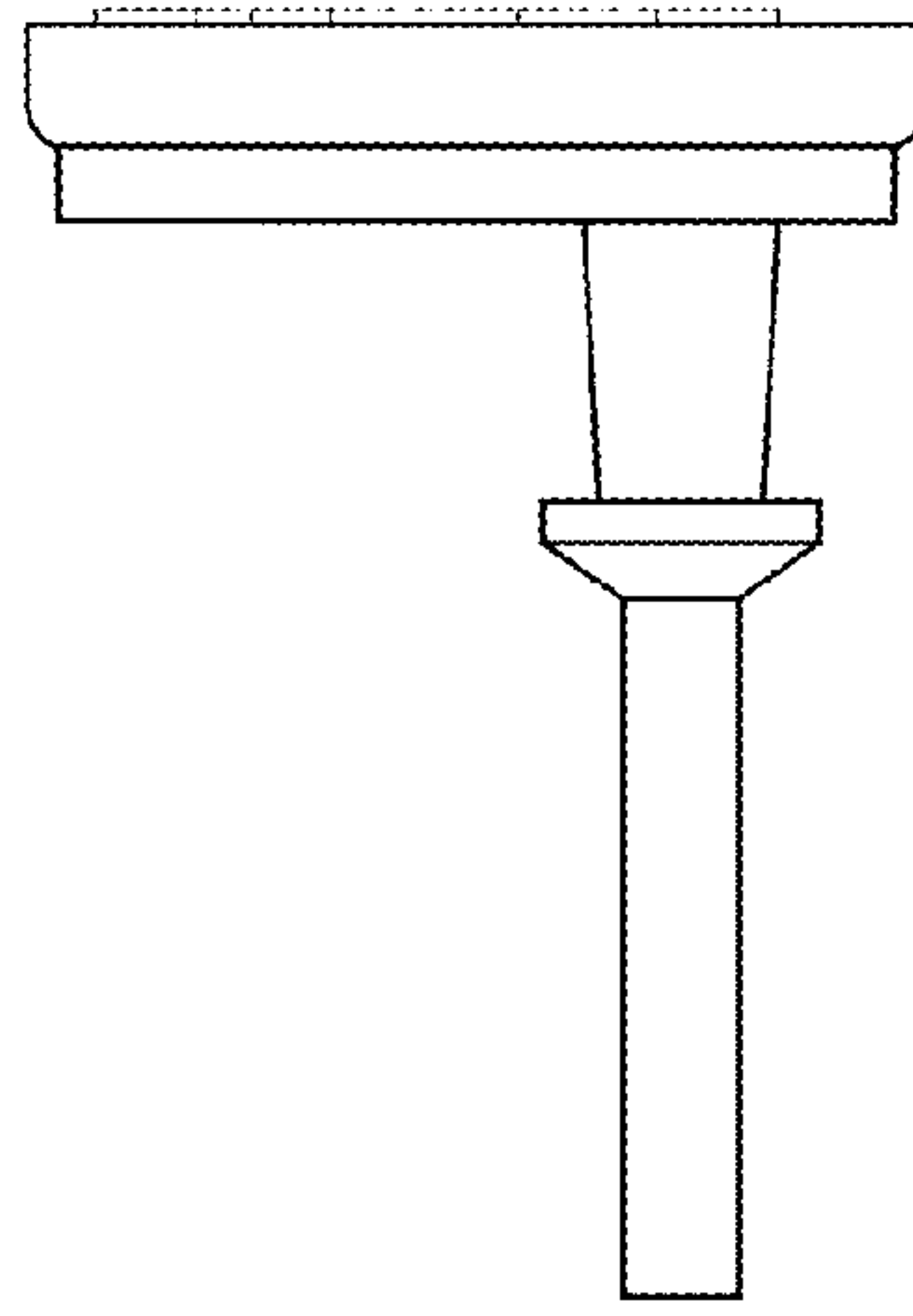


FIG. 32

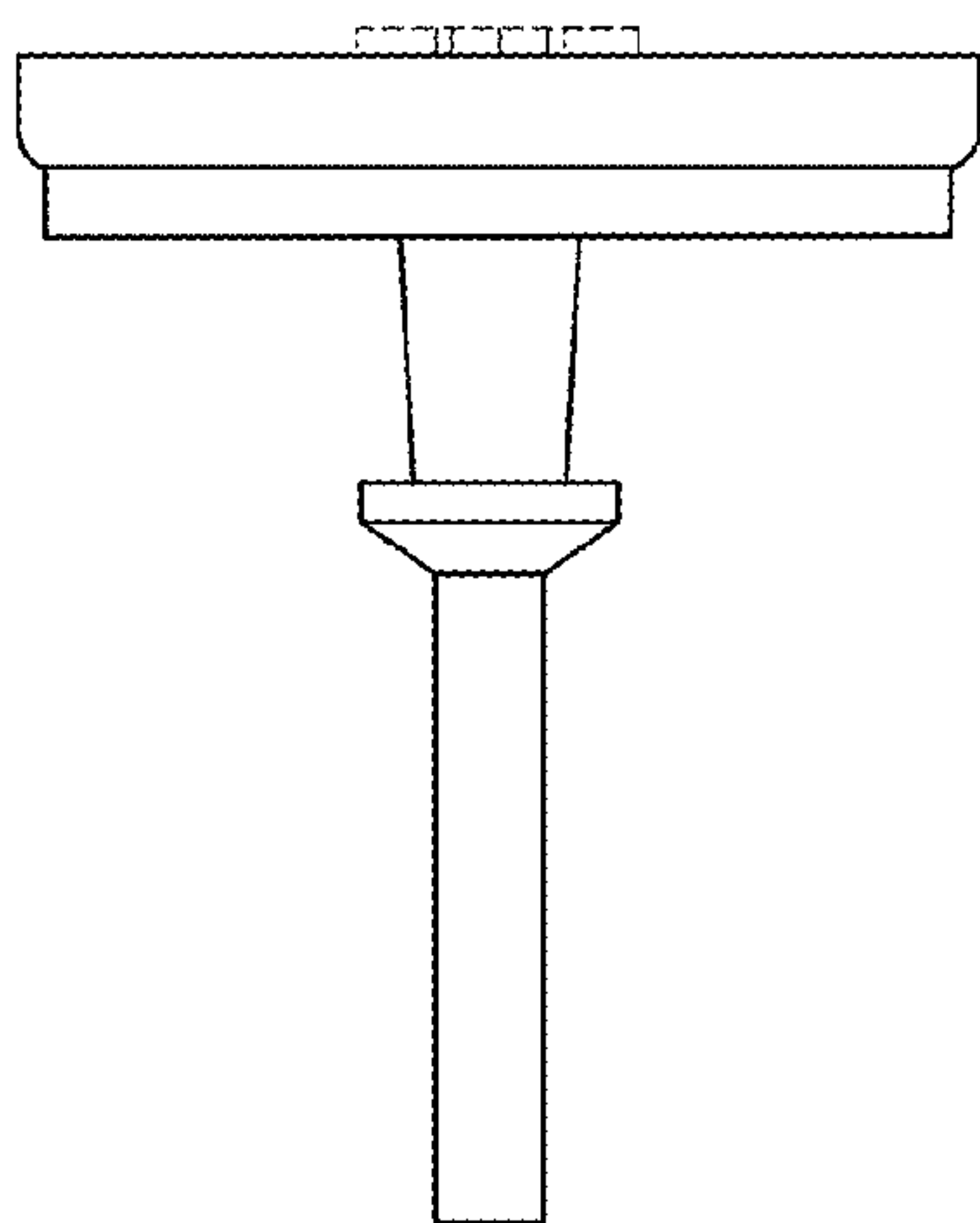


FIG. 33

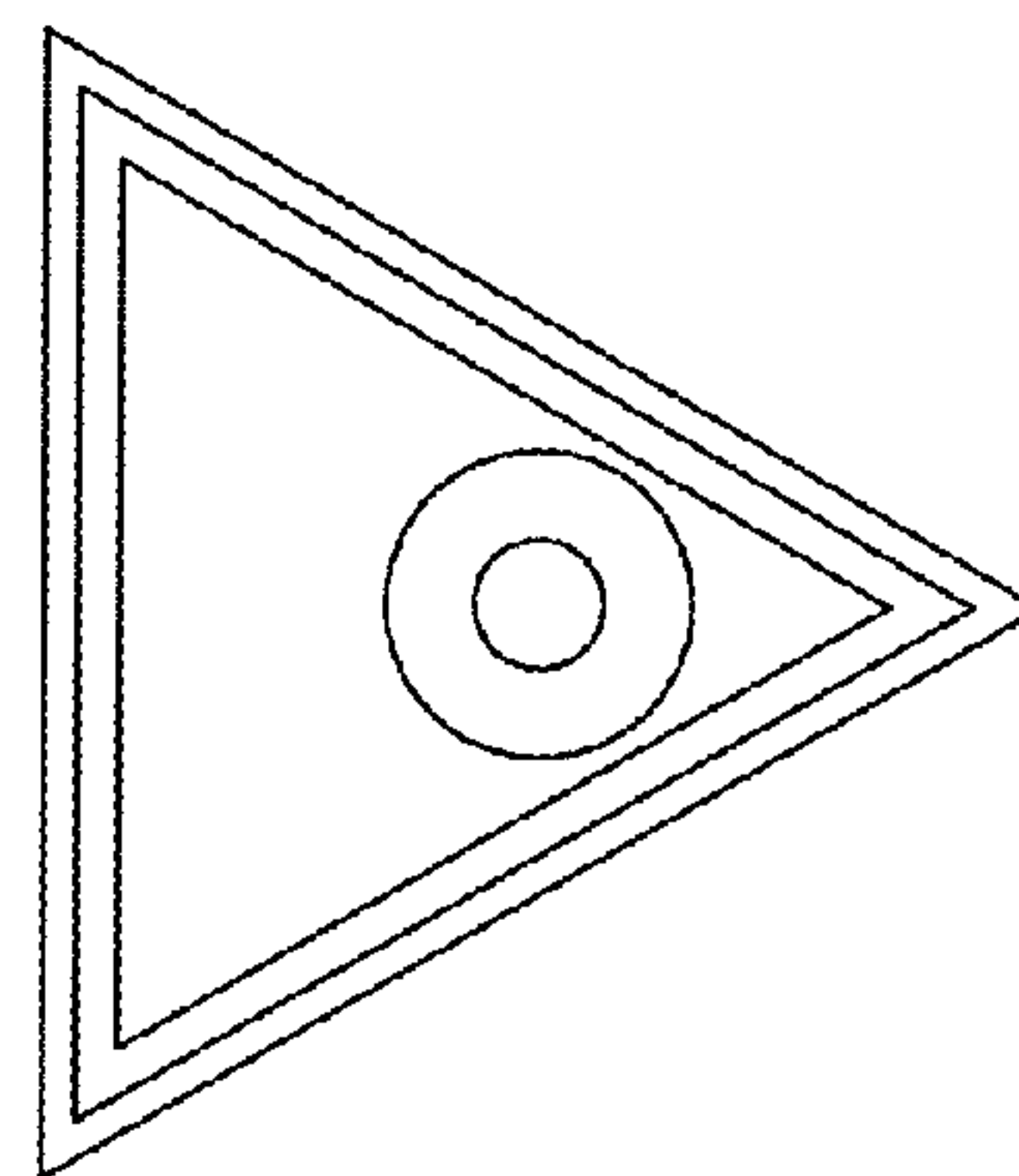


FIG. 34

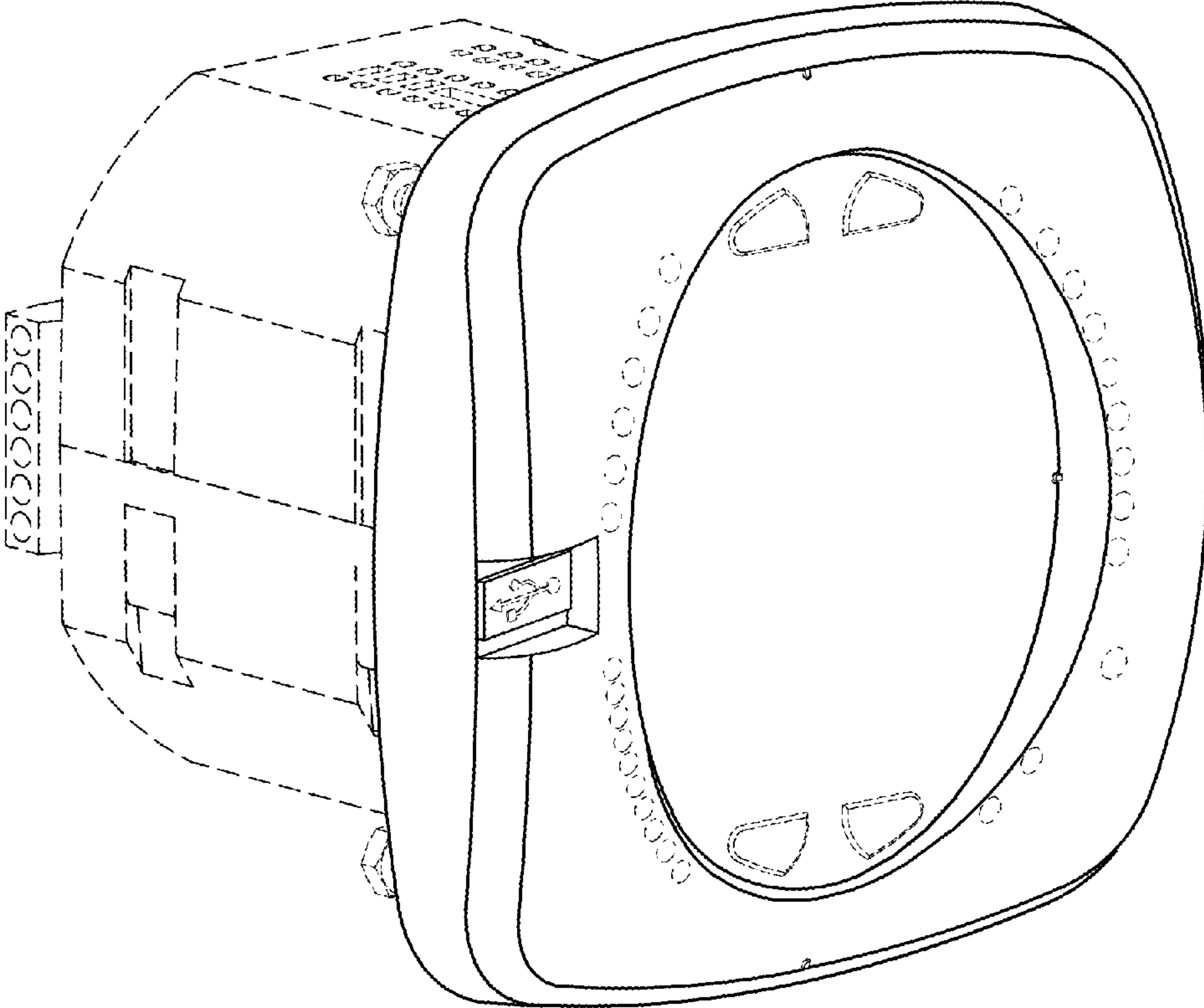


FIG.35

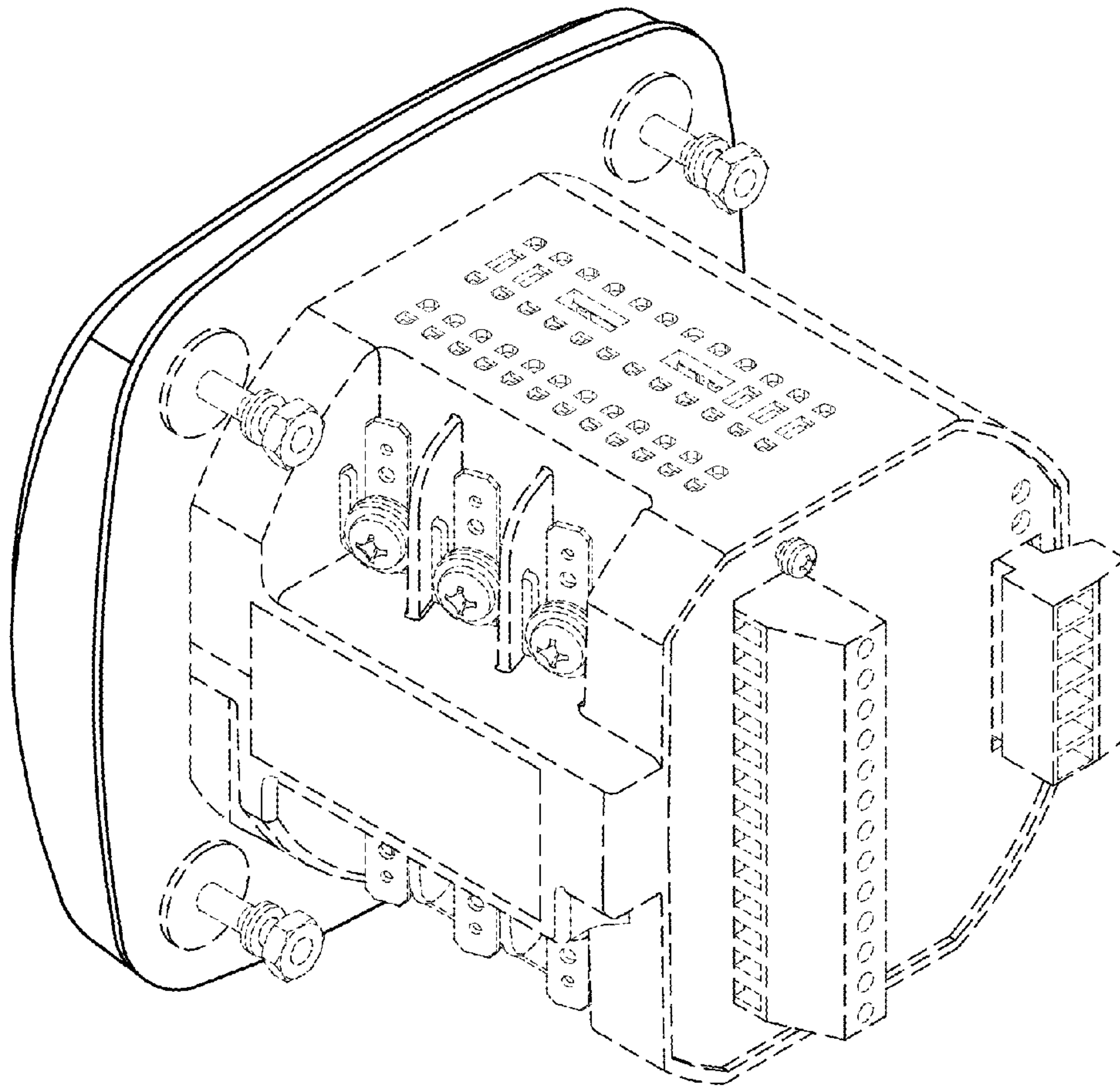


FIG.36

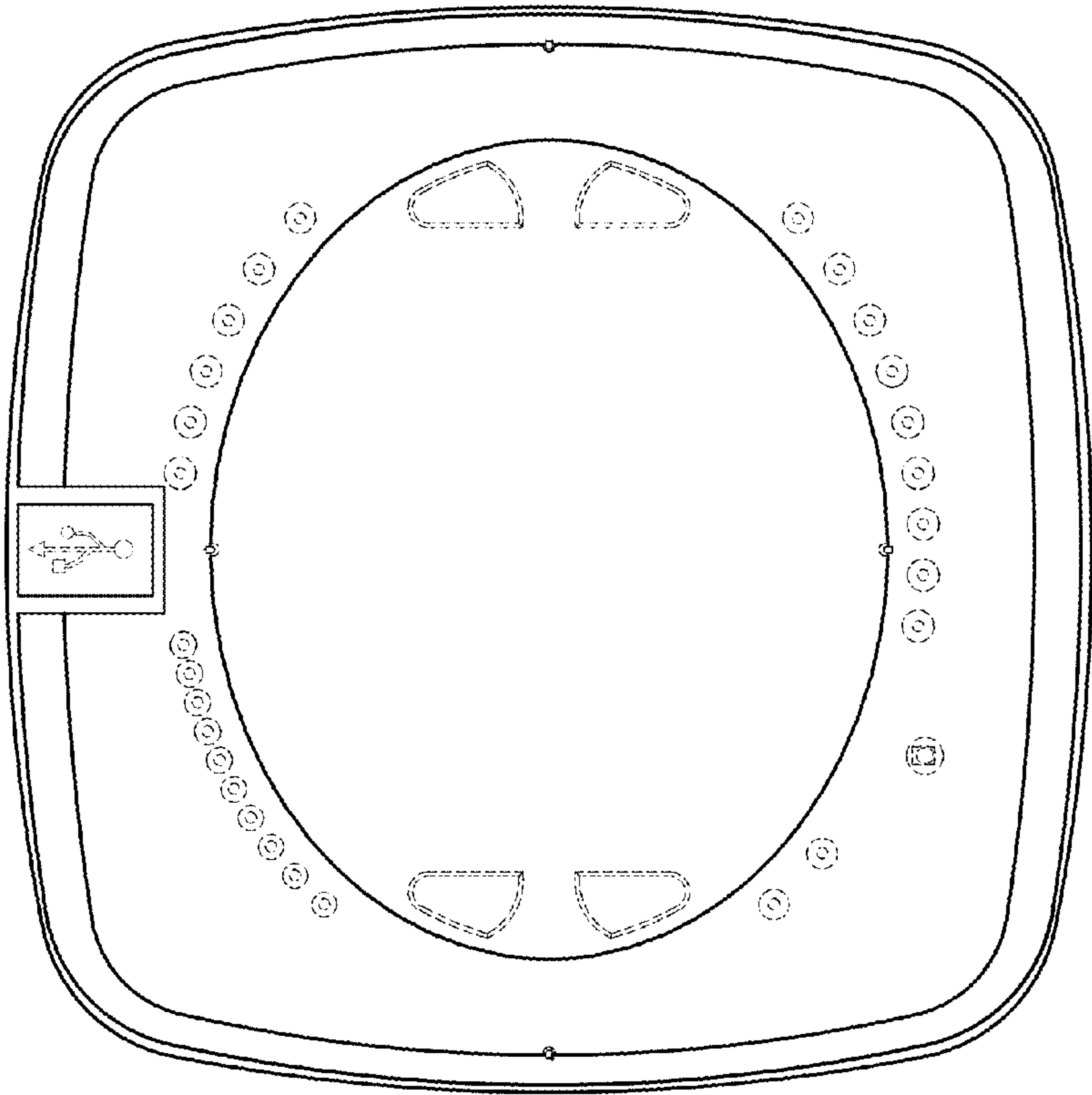


FIG.37

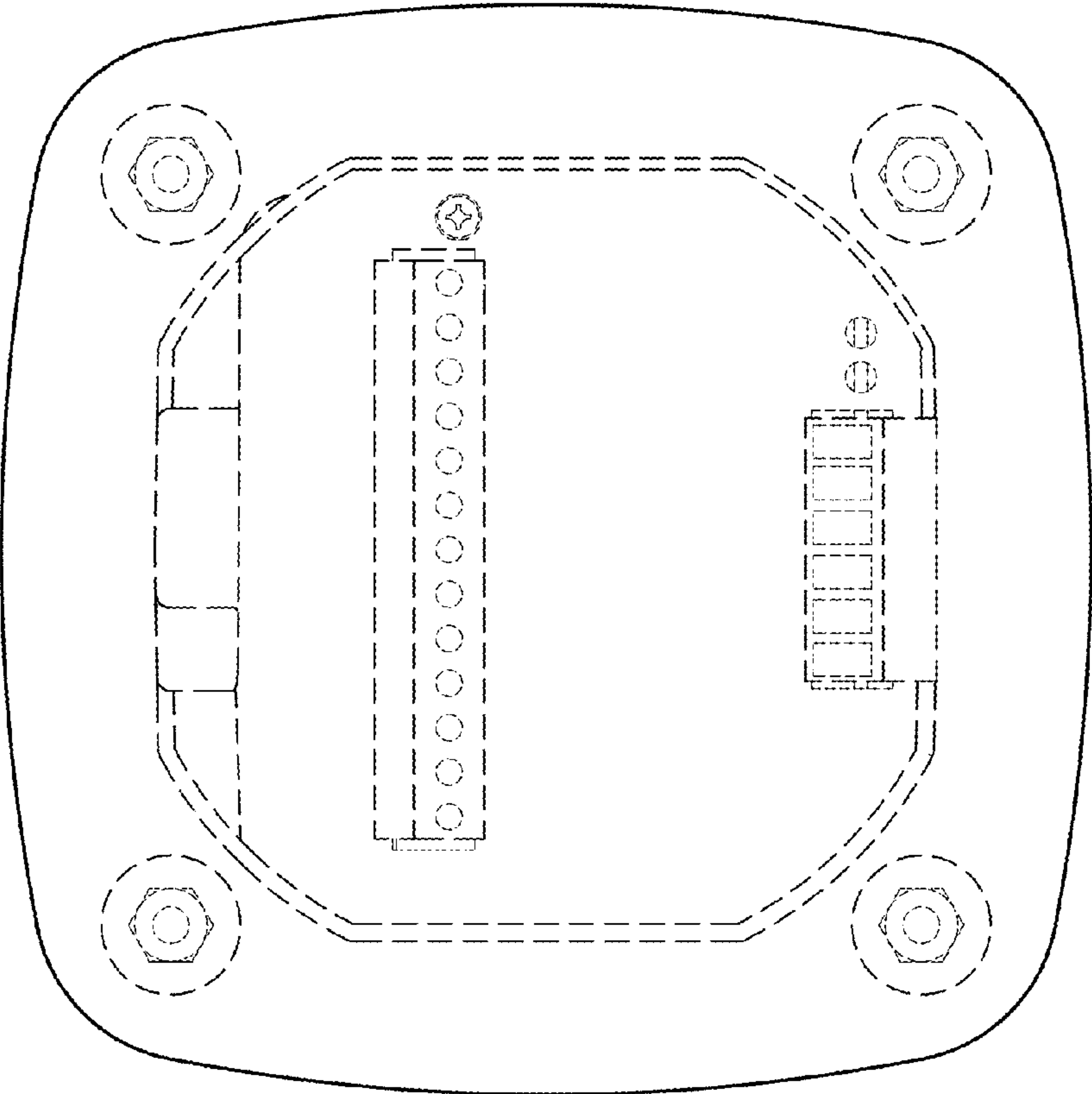


FIG.38

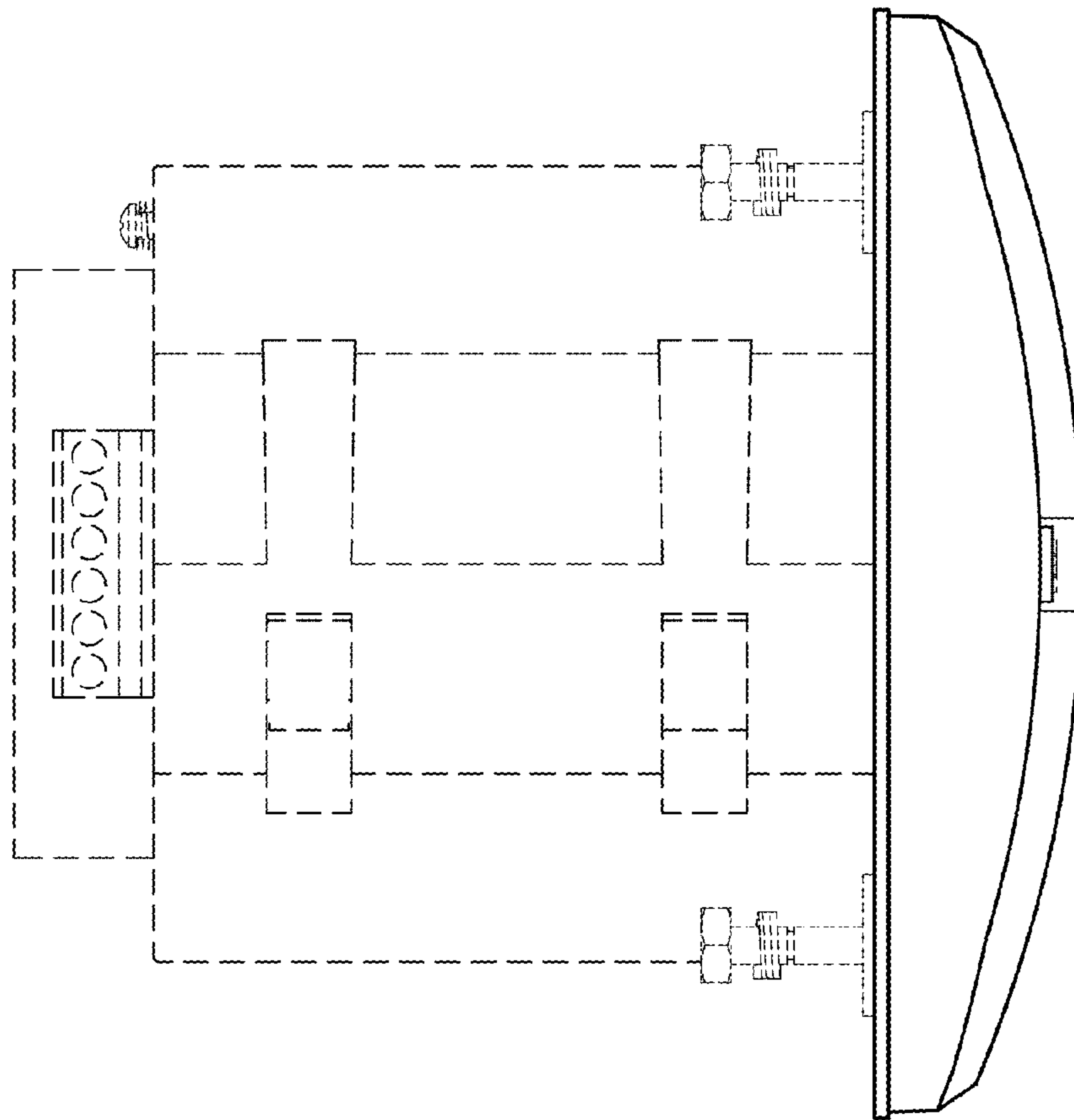


FIG.39

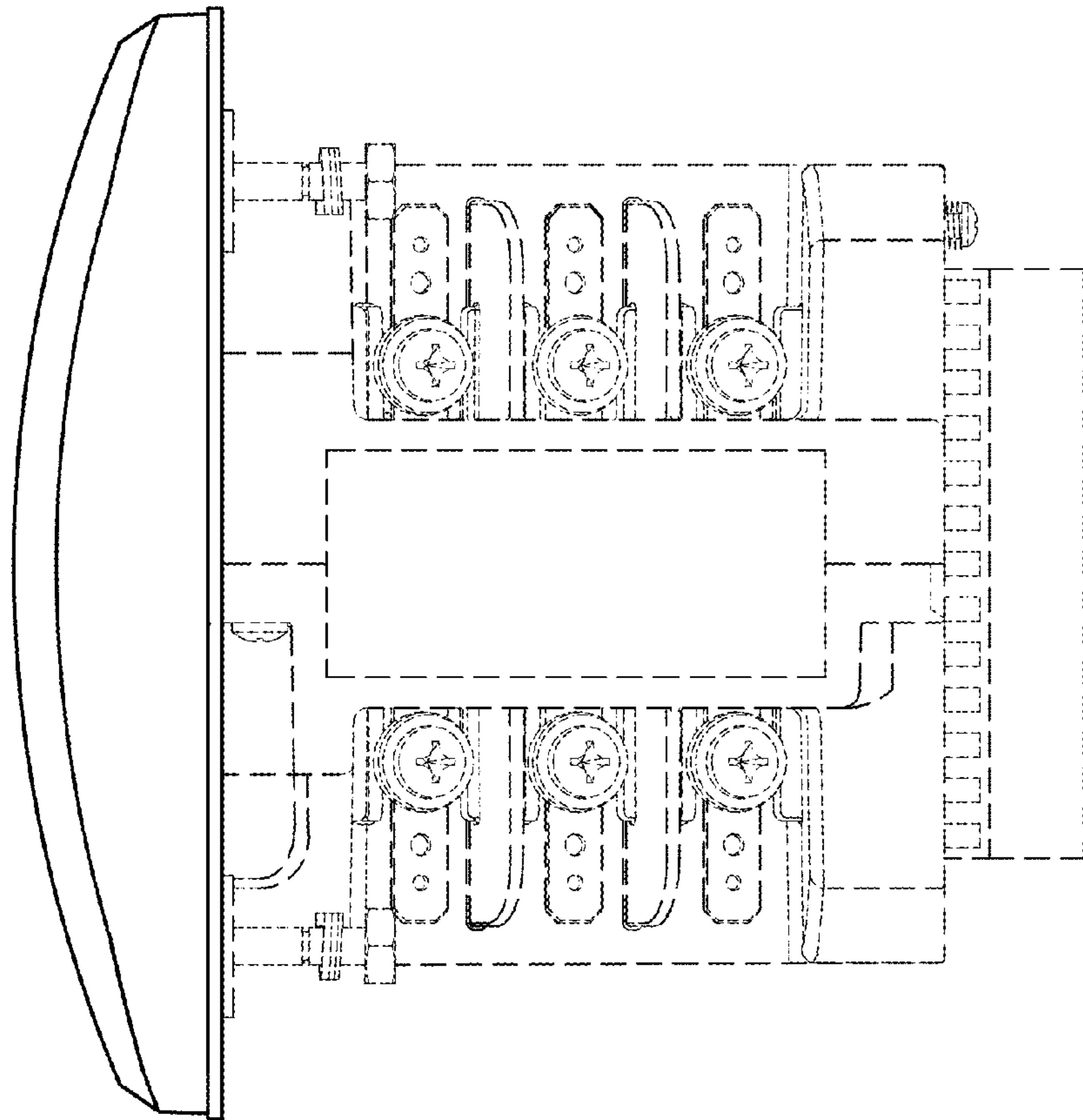


FIG.40

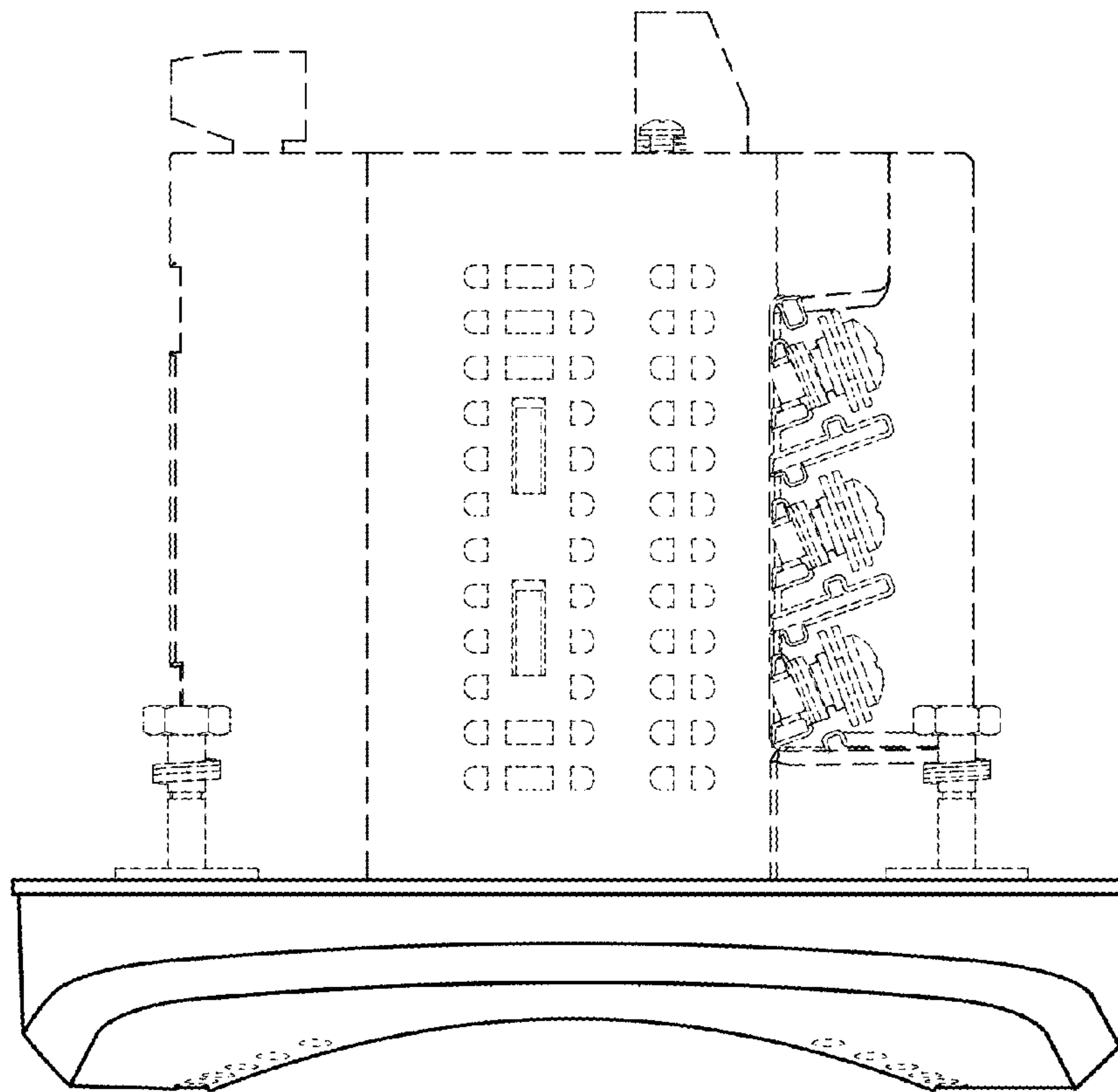


FIG.41

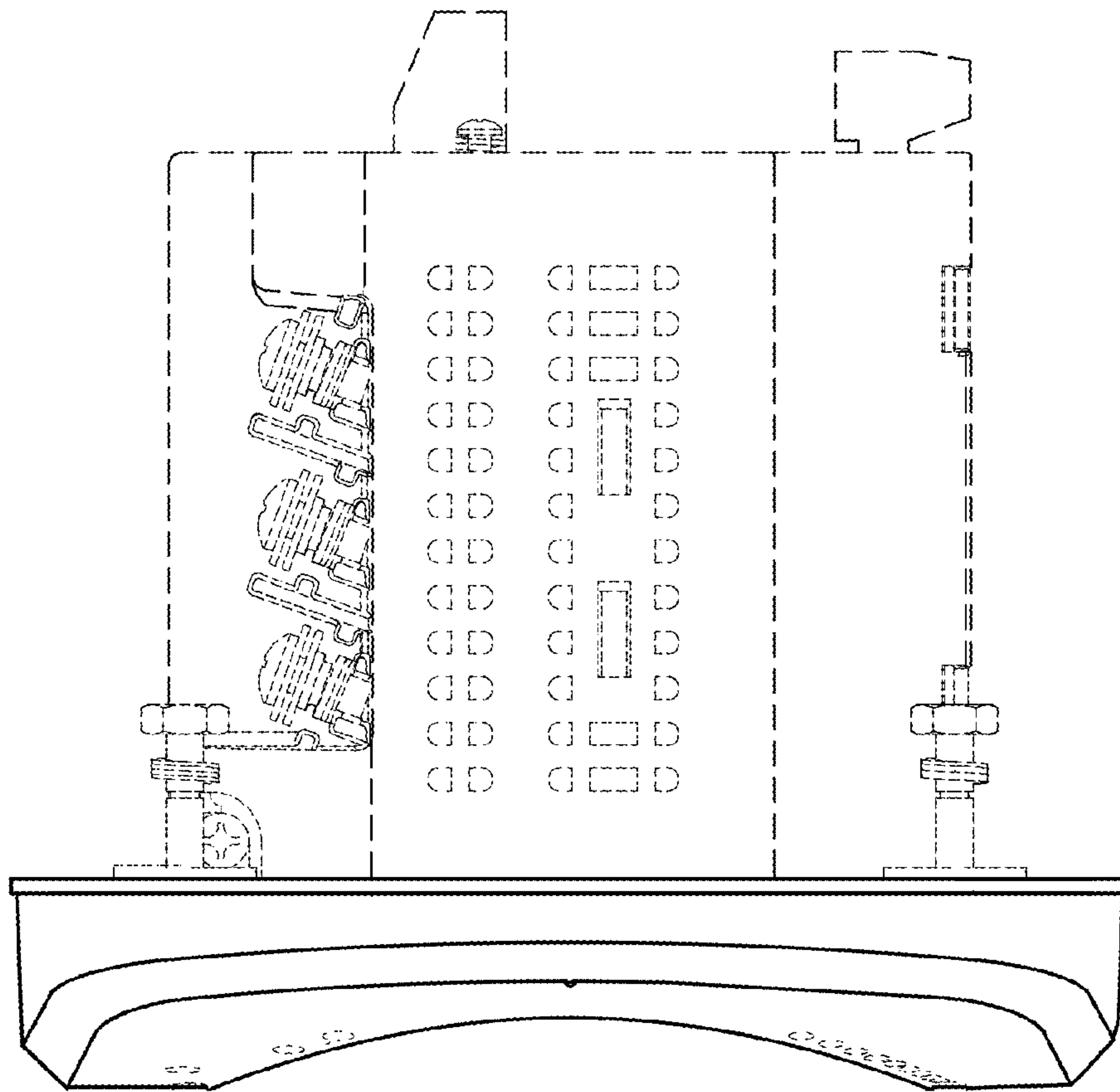


FIG.42

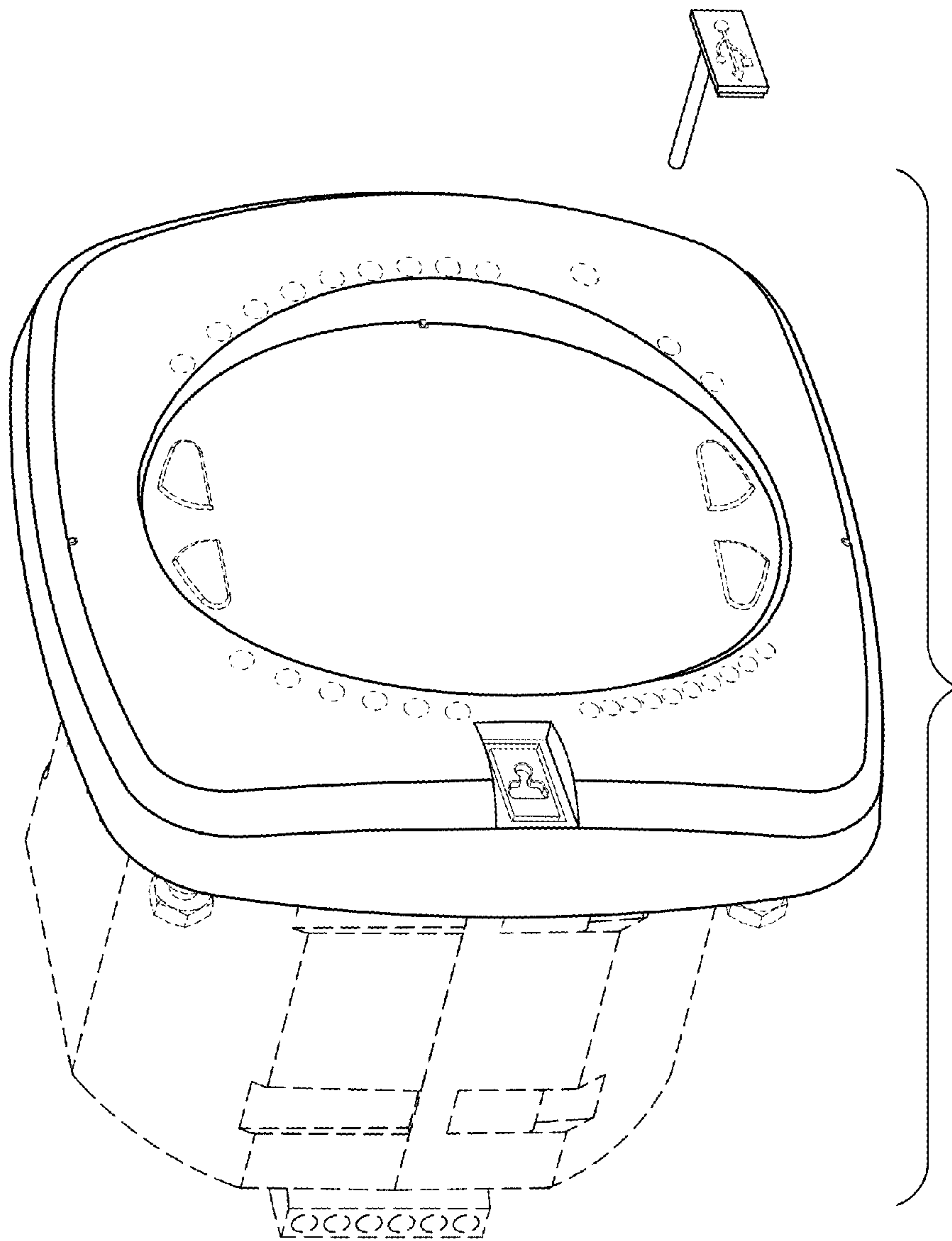


FIG. 43

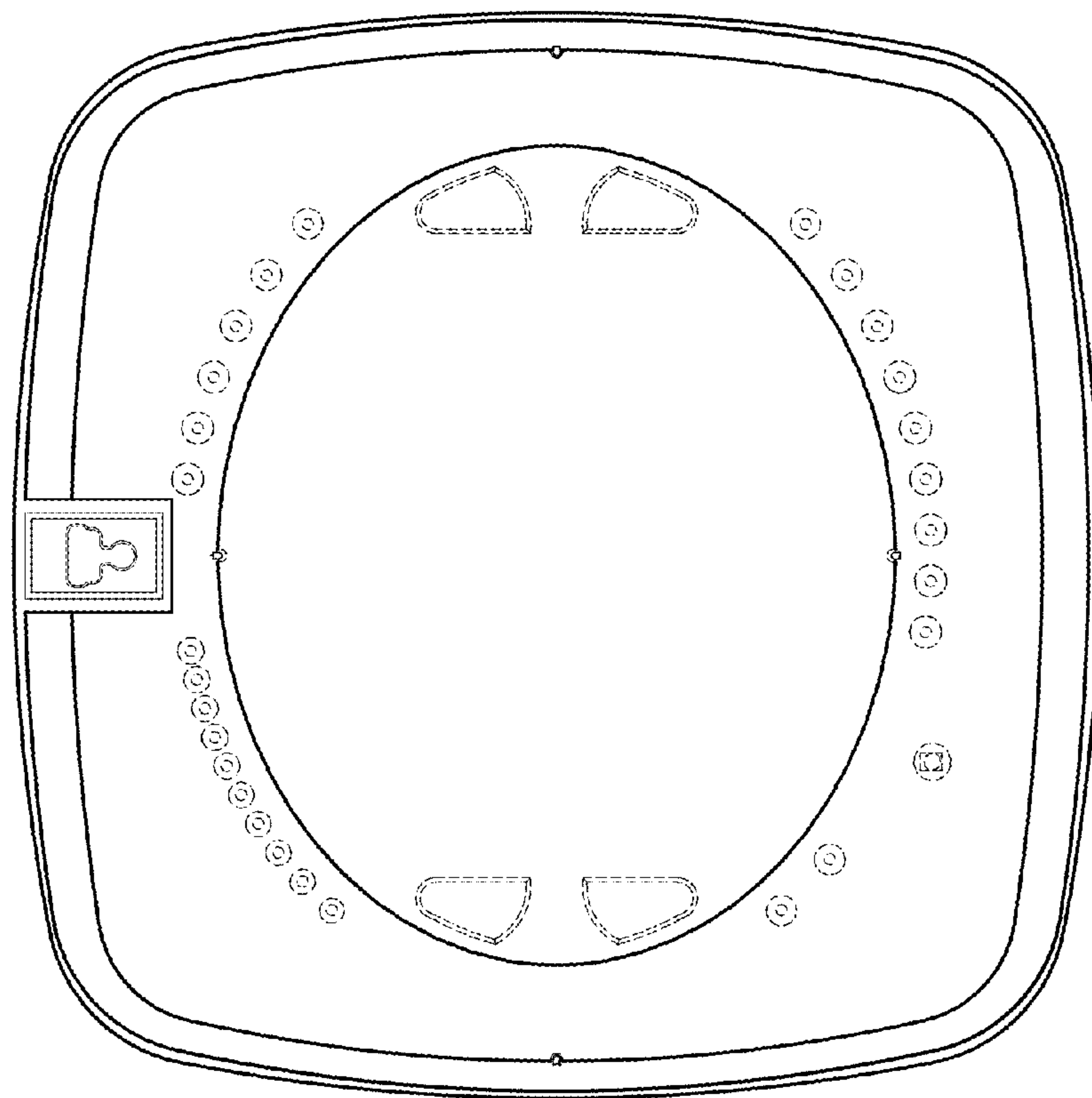


FIG. 44

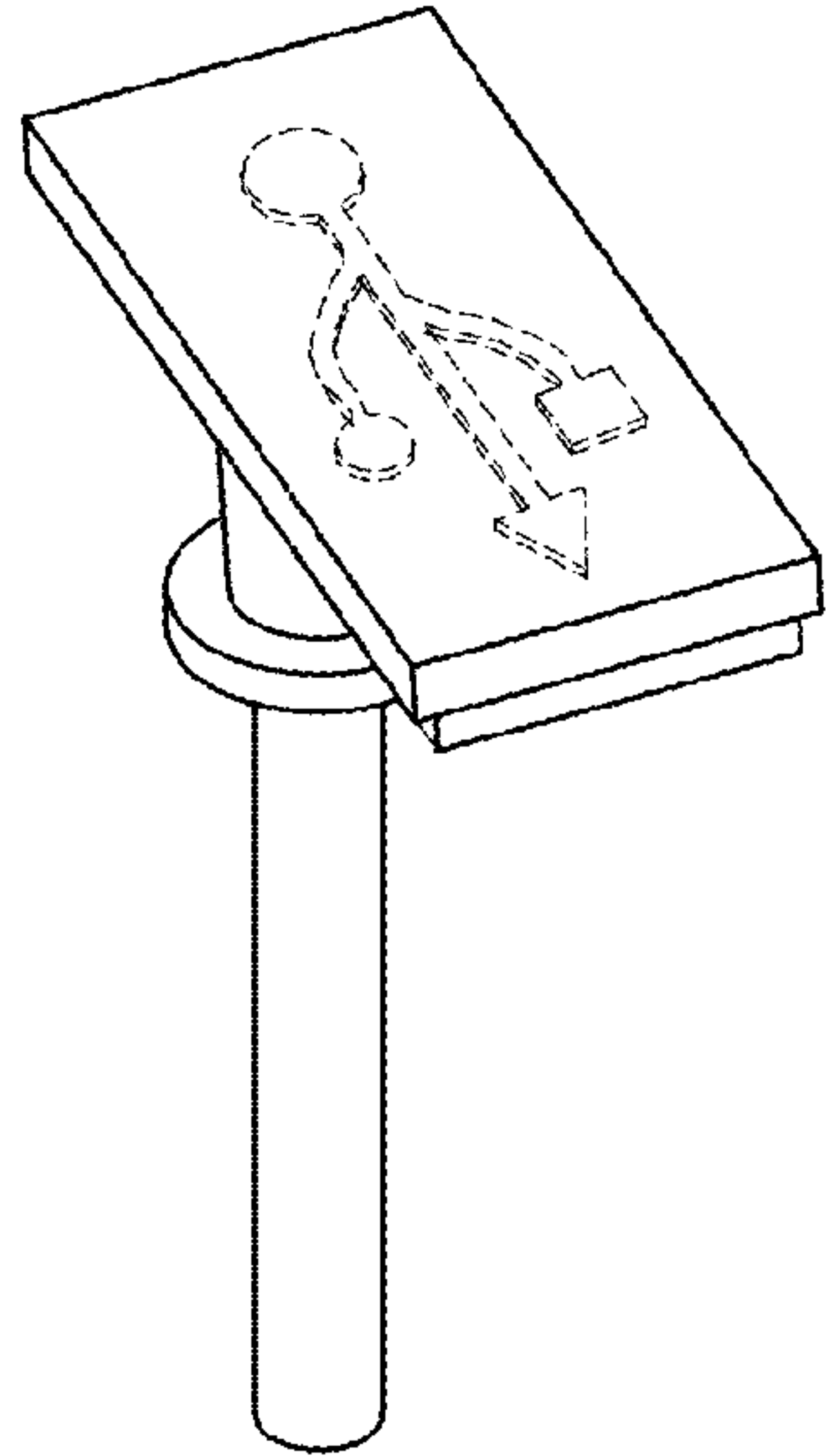


FIG. 45

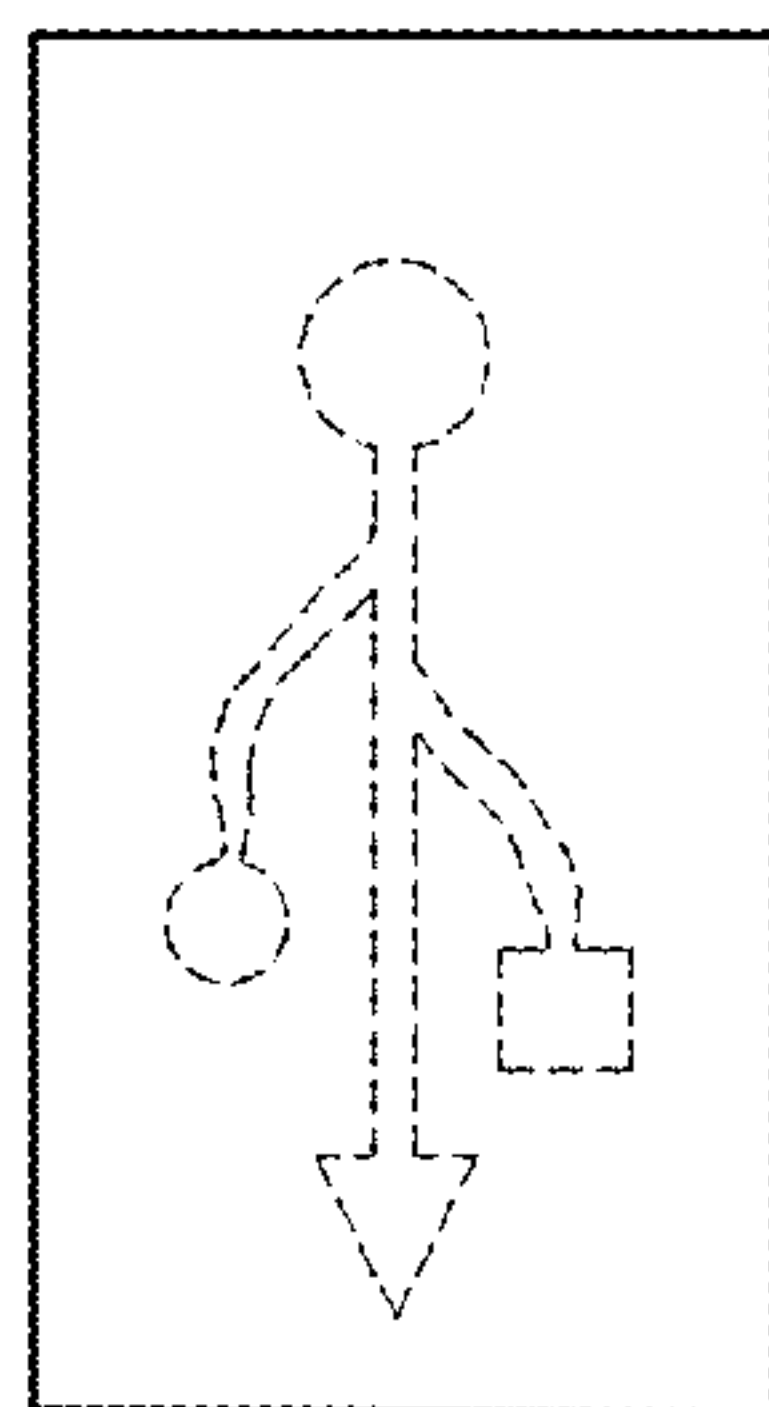


FIG. 46

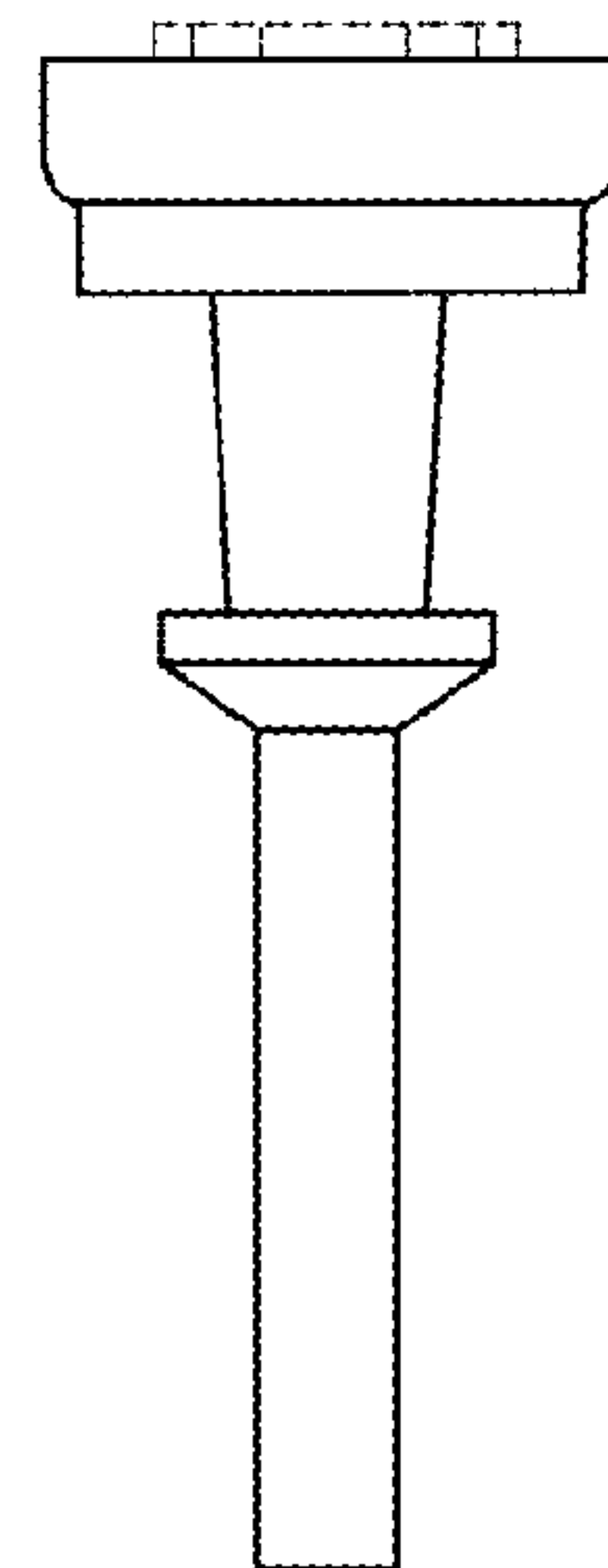


FIG. 47

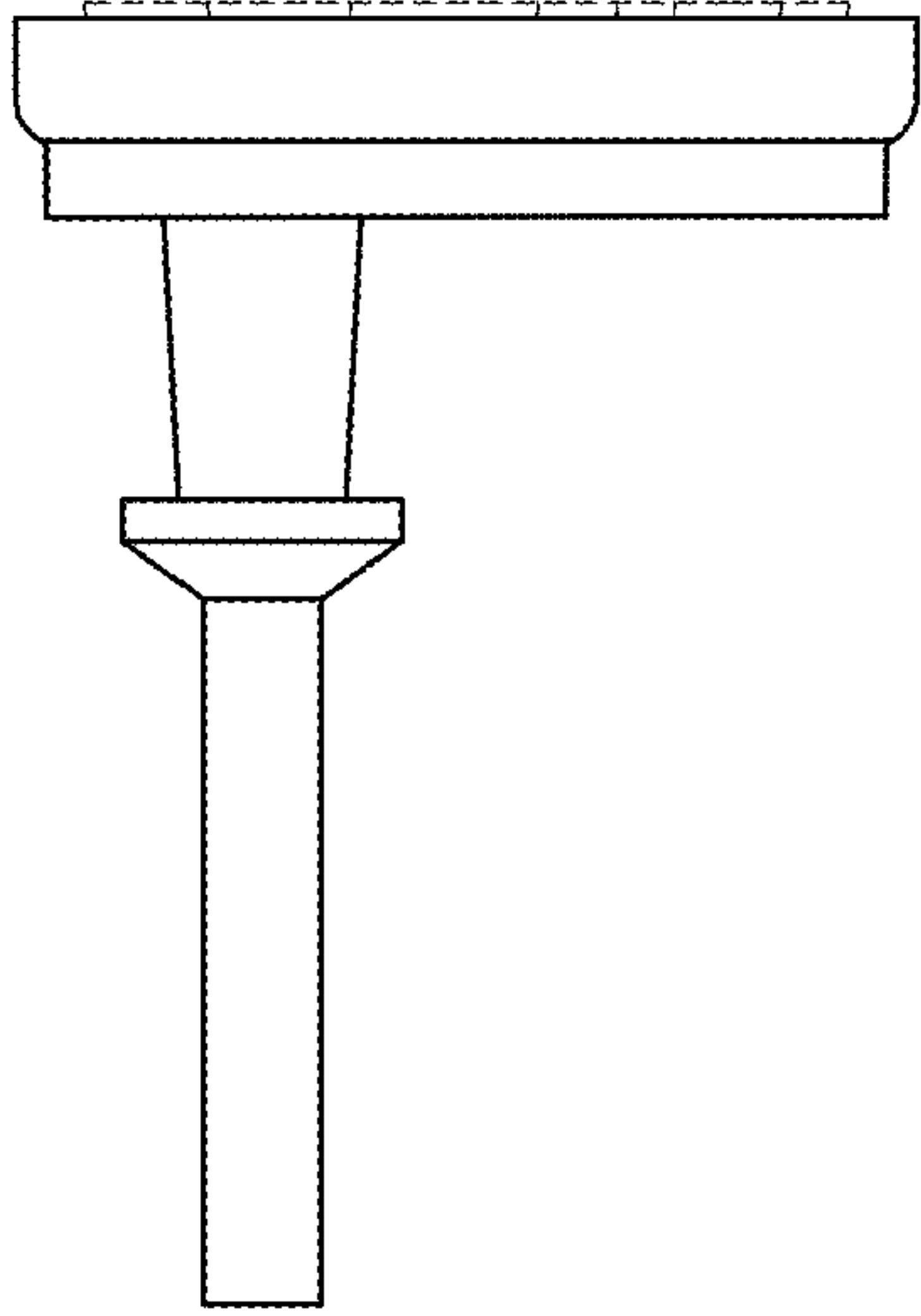


FIG. 48

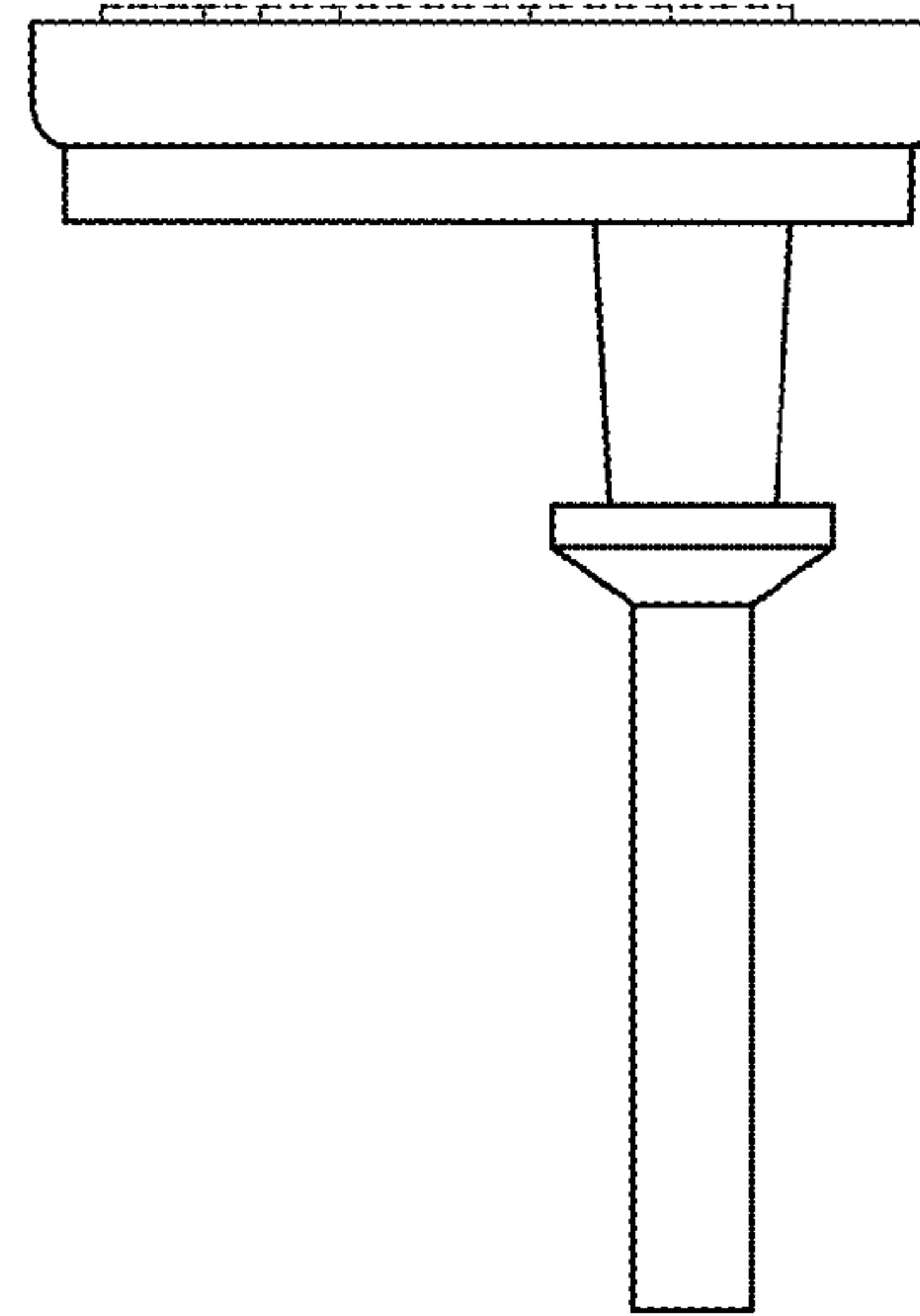


FIG. 49

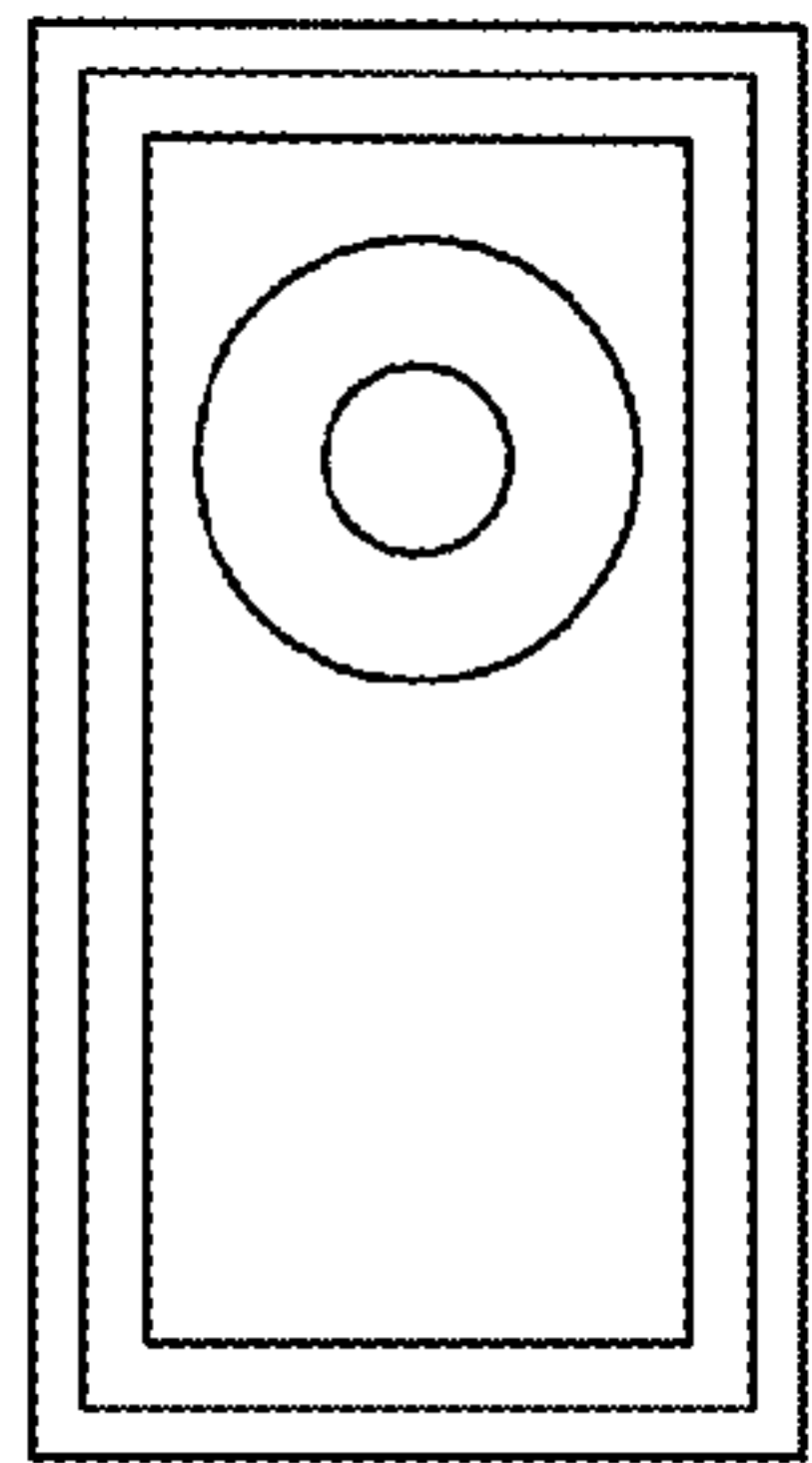


FIG. 50

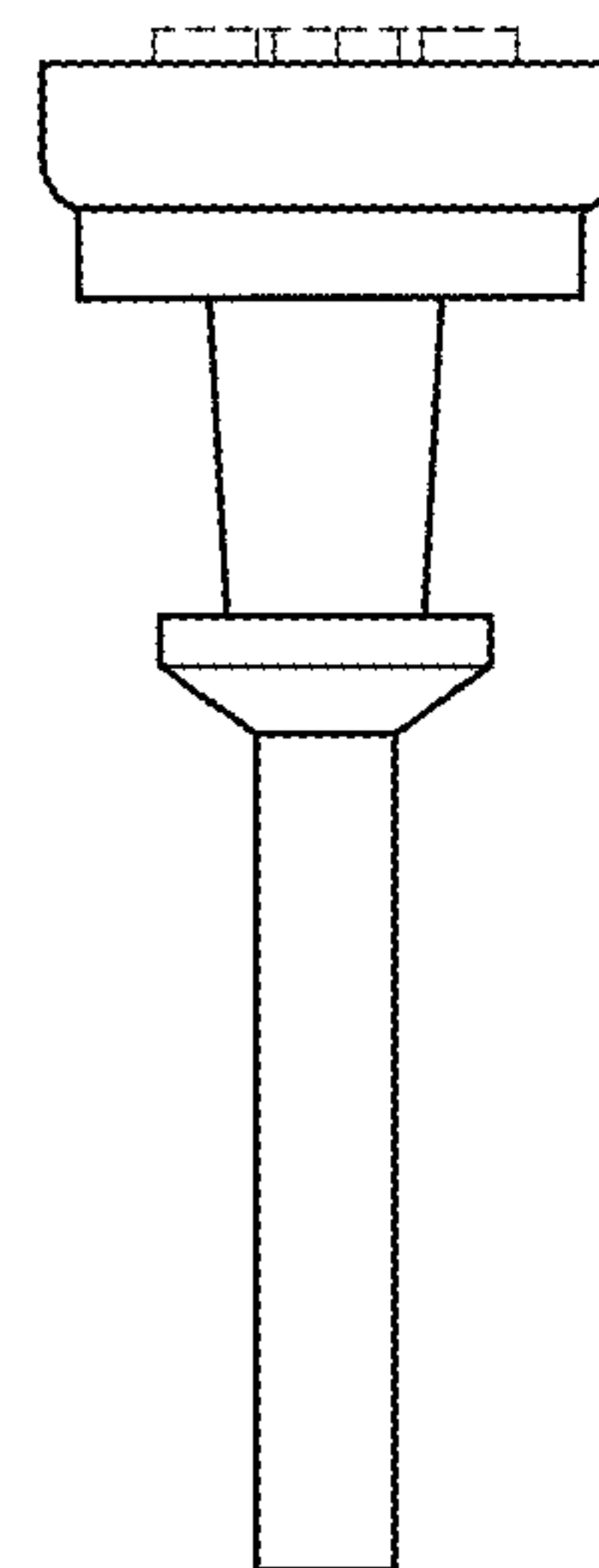


FIG. 51