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

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(45) **Date of Patent:** **\*\* Apr. 6, 2004**

(54) **LIGHT EMITTING DIODE**

6,608,334 B1 \* 8/2003 Ishinaga ..... 257/100

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(JP)

(73) Assignee: **Nichia Corporation**, Anan (JP)

(\*\*) Term: **14 Years**

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(22) Filed: **May 12, 2003**

**Related U.S. Application Data**

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(30) **Foreign Application Priority Data**

Jan. 30, 2002	(JP)	.....	2002-001974
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Jan. 30, 2002	(JP)	.....	2002-001973

(51) **LOC (7) Cl.** ..... **13-03**

(52) **U.S. Cl.** ..... **D13/182**

(58) **Field of Search** ..... D13/182; D10/104,  
D10/106; D26/37; 257/88, 89, 93-96, 98,  
99; 313/161, 499, 500; 345/39, 46, 82,  
84; 361/800, 820; 362/183, 249, 800; 372/45

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(57) **CLAIM**

I claim the ornamental design for the light emitting diode, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a light emitting diode having a light emitting diode chip according to the first embodiment of my new design;

FIG. 2 is a plan view of the light emitting diode having a light emitting diode chip according to the embodiment of FIG. 1;

FIG. 3 is a left view of the light emitting diode according to the embodiment of FIG. 1;

FIG. 4 is a front elevational view of the light emitting diode according to the embodiment of FIG. 1;

FIG. 5 is a right view of the light emitting diode according to the embodiment of FIG. 1;

FIG. 6 is a bottom plan view of the light emitting diode according to the embodiment of FIG. 1;

FIG. 7 is a rear view of the light emitting diode according to the embodiment of FIG. 1;

FIG. 8 is a perspective view of a light emitting diode according to the second embodiment of my new design;

FIG. 9 is a plan view of the light emitting diode according to the embodiment of FIG. 8; and

FIG. 10 is a left view of the light emitting diode according to the embodiment of FIG. 8;

FIG. 11 is a front elevational view of the light emitting diode according to the embodiment of FIG. 8;

FIG. 12 is a right view of the light emitting diode according to the embodiment of FIG. 8;

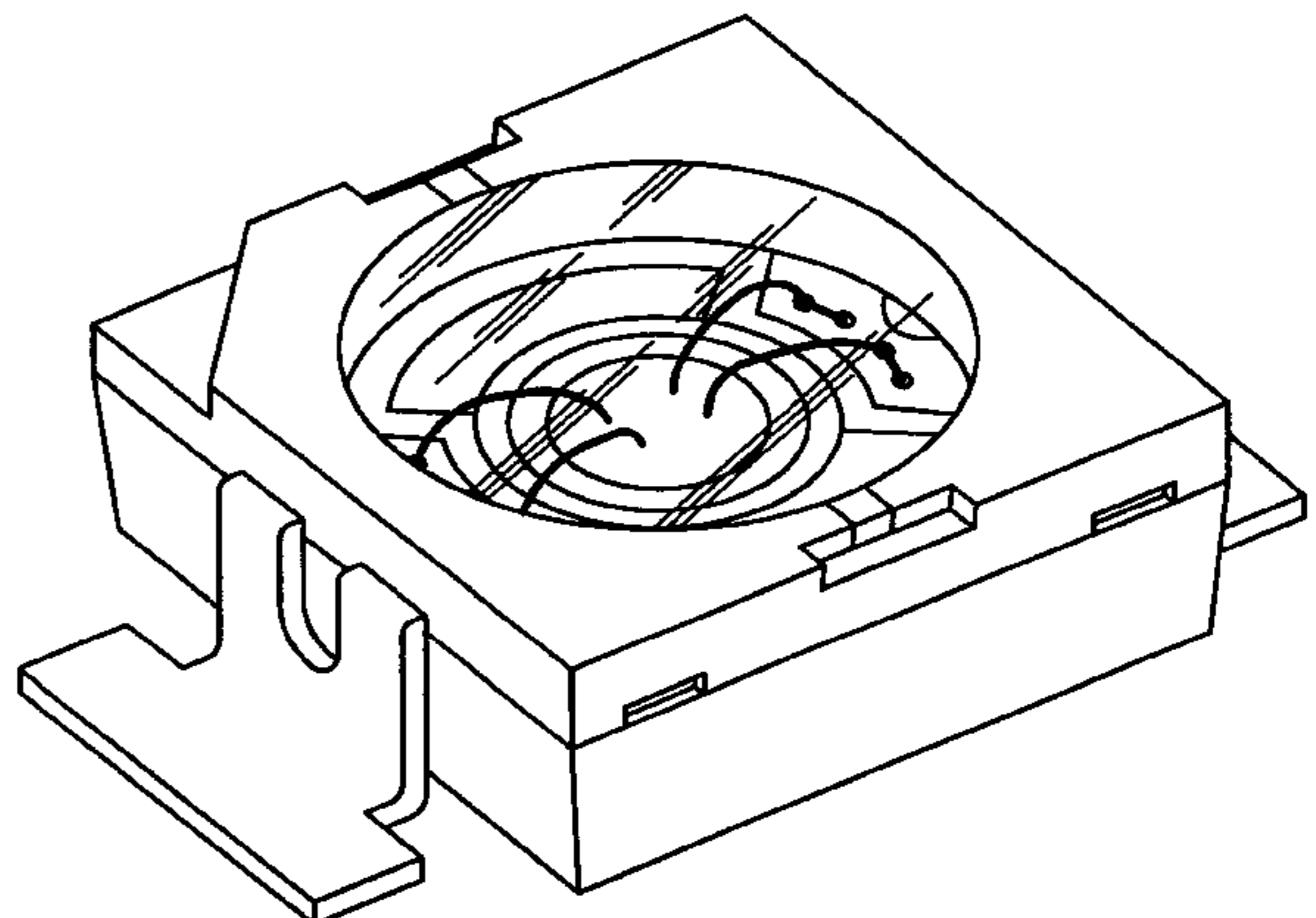
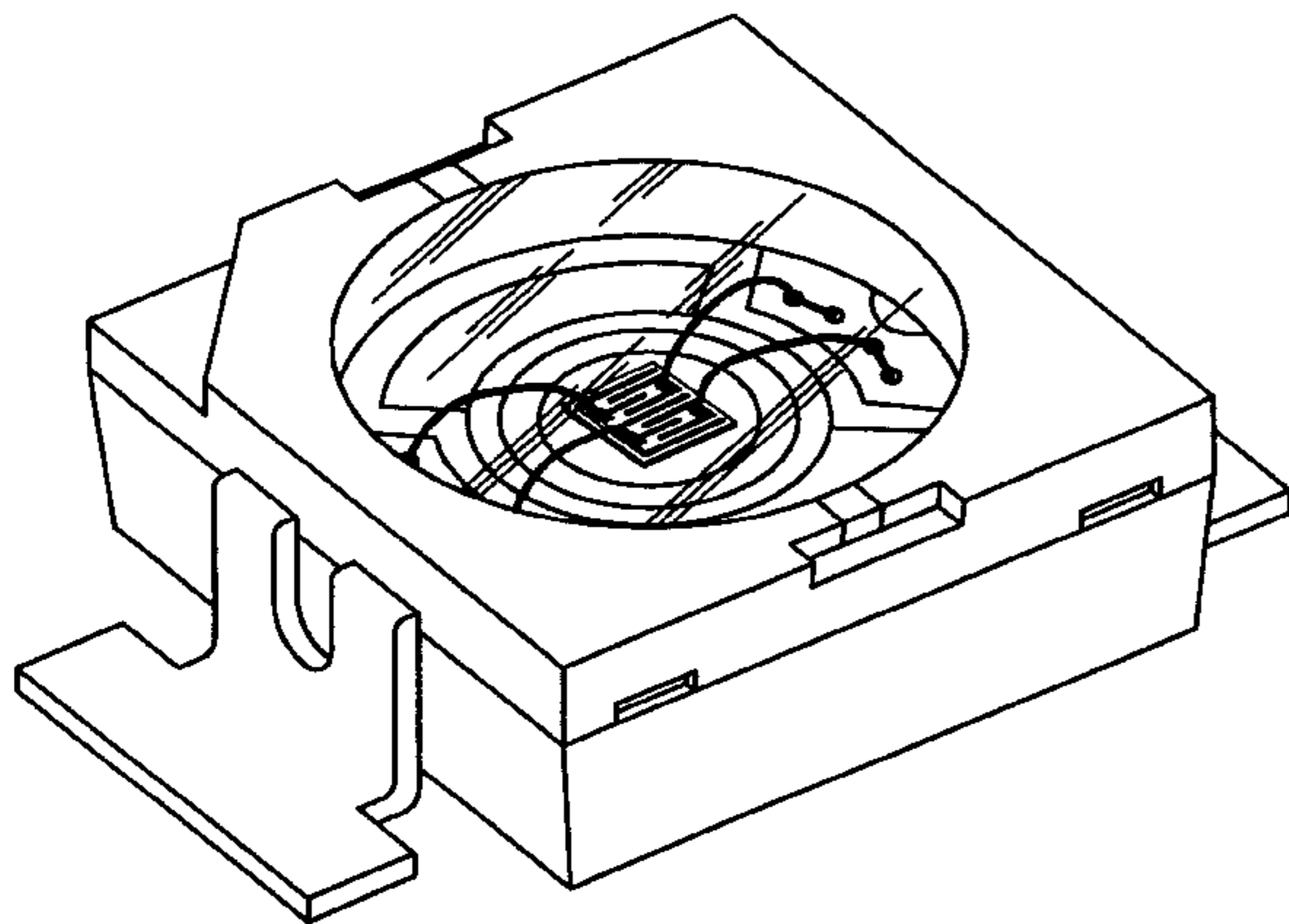


FIG. 13 is a bottom plan view of the light emitting diode according to the embodiment of FIG. 8; and, FIG. 14 is a rear view of the light emitting diode according to the embodiment of FIG. 8.

**1 Claim, 4 Drawing Sheets**

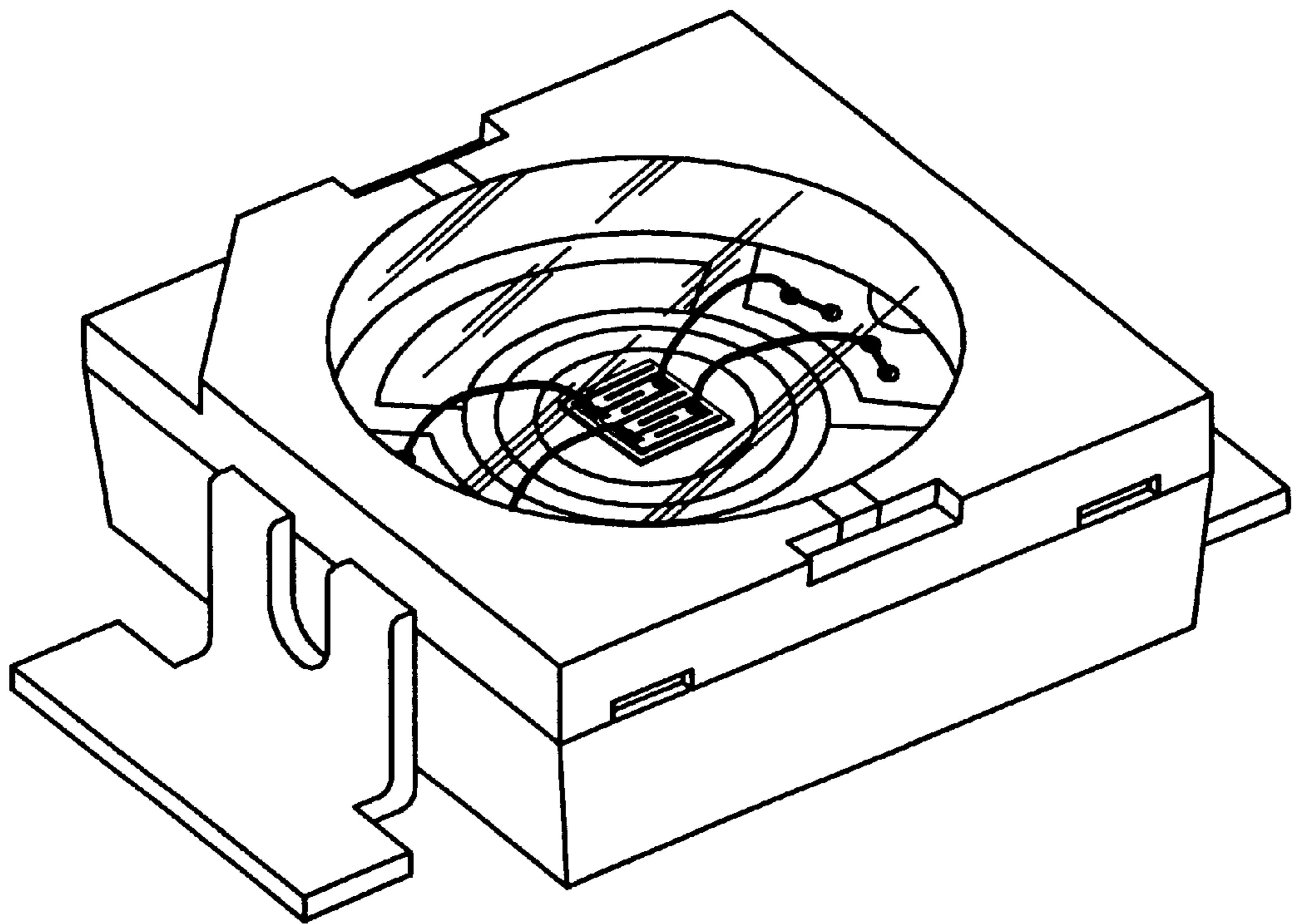


FIG. 1

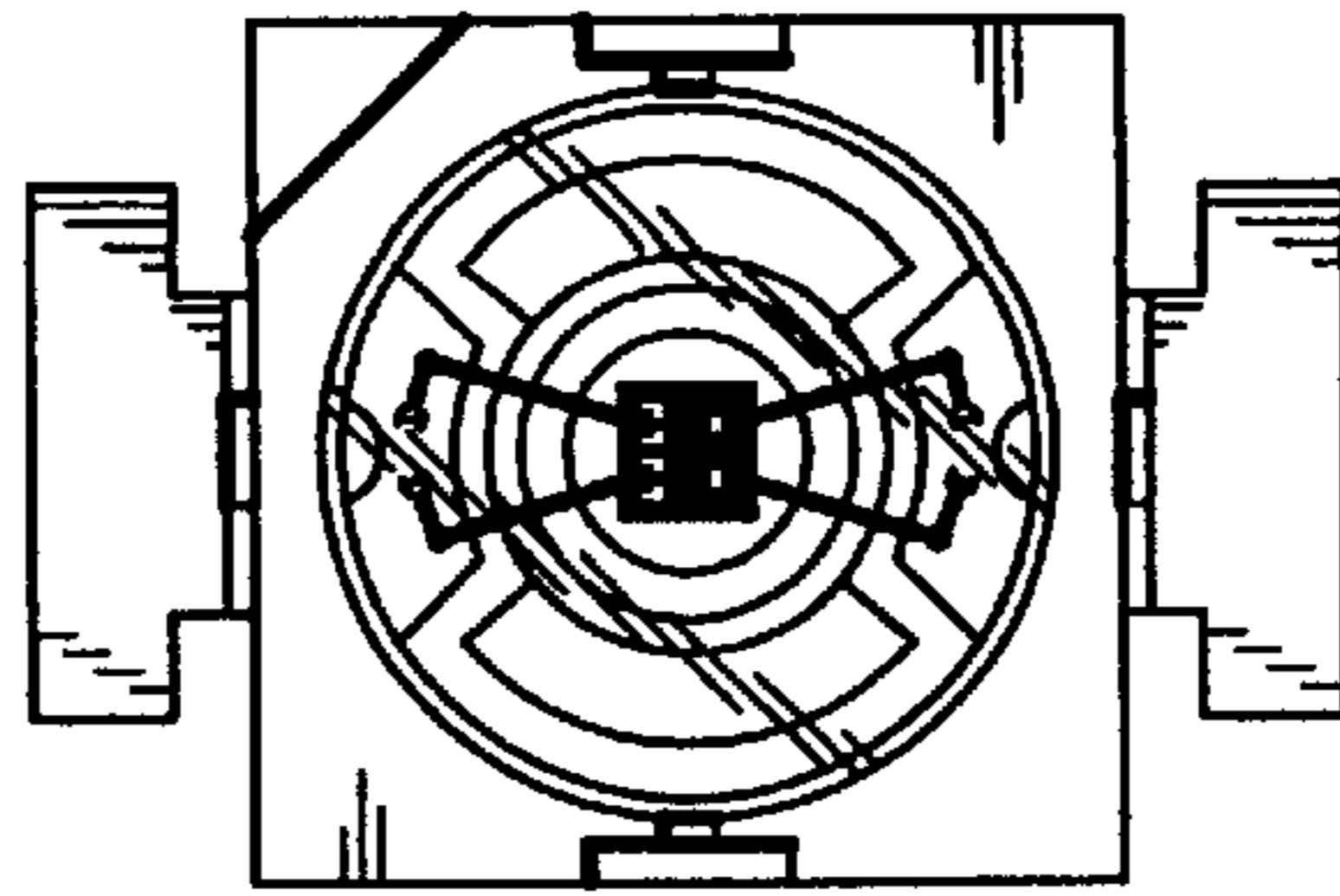


FIG. 2

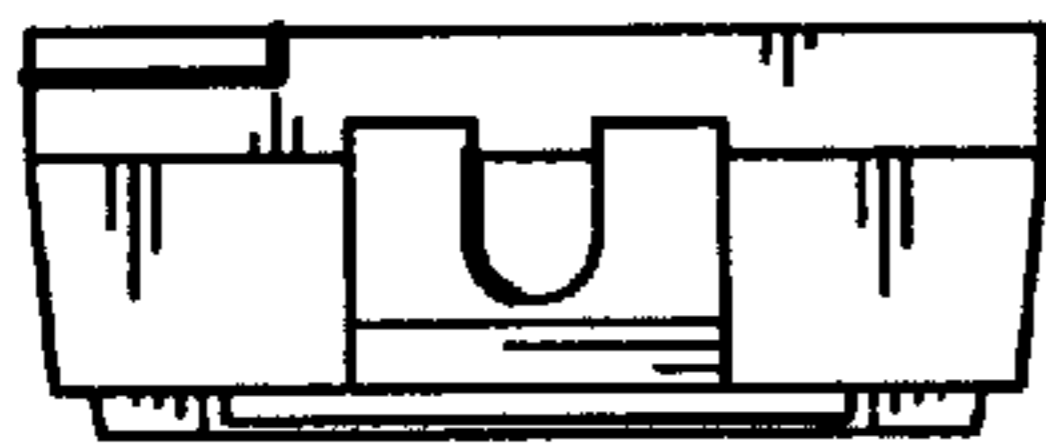


FIG. 3

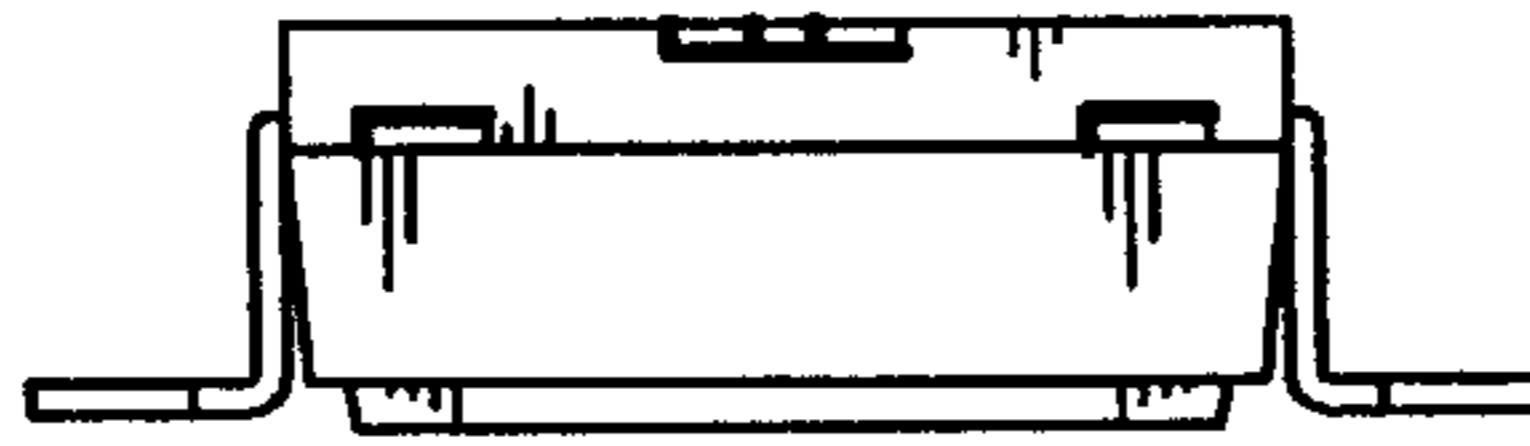


FIG. 4

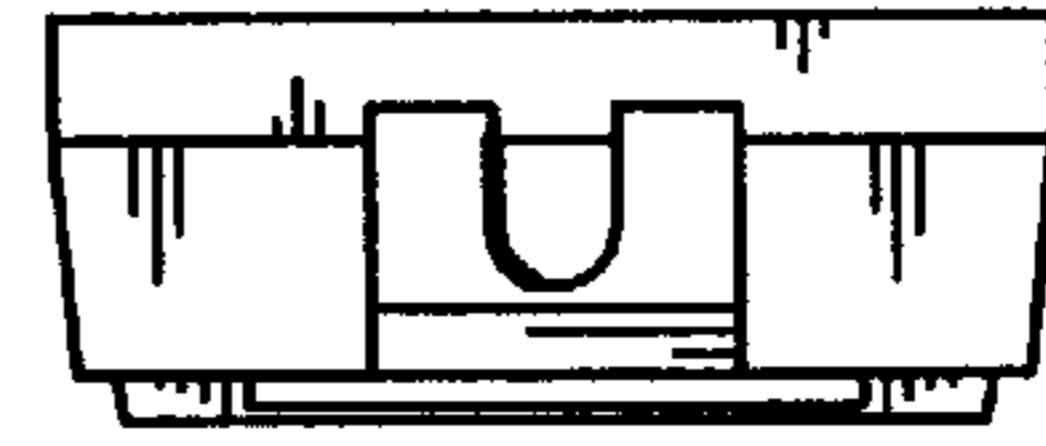


FIG. 5

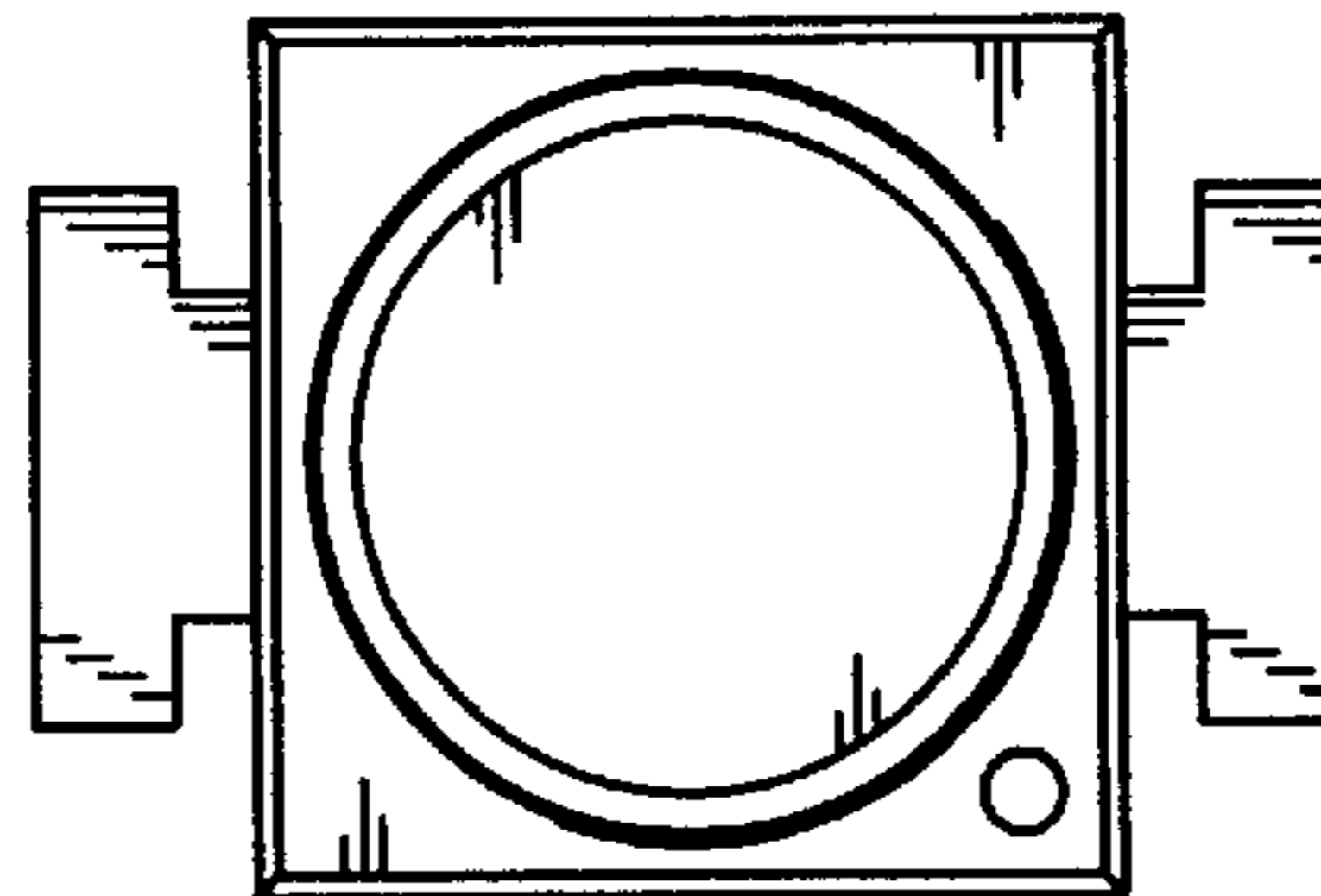


FIG. 6

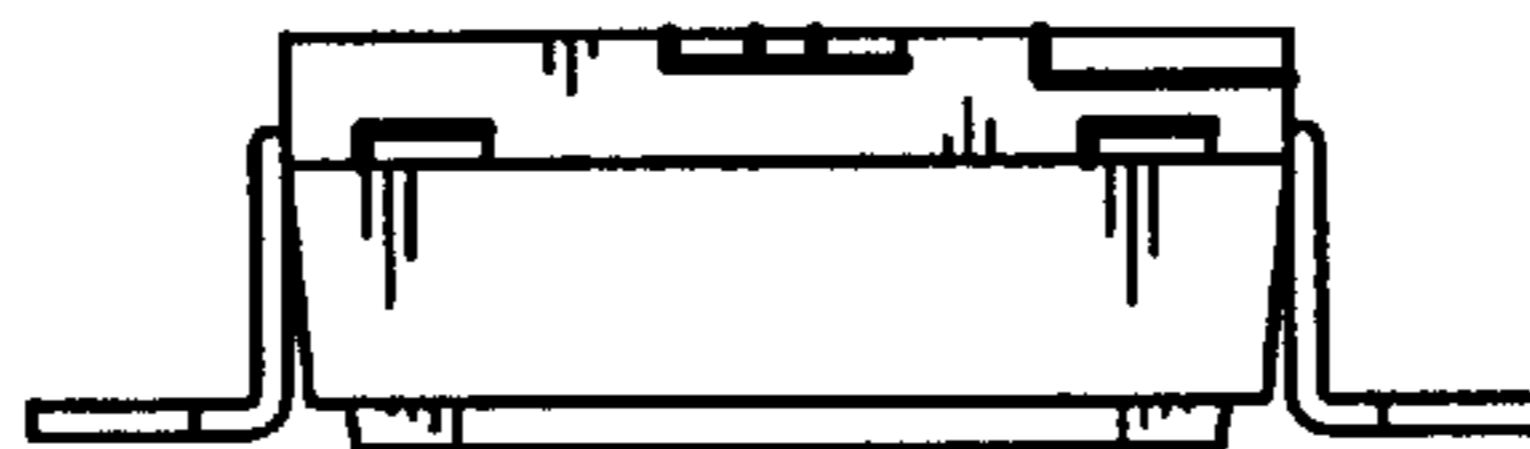


FIG. 7

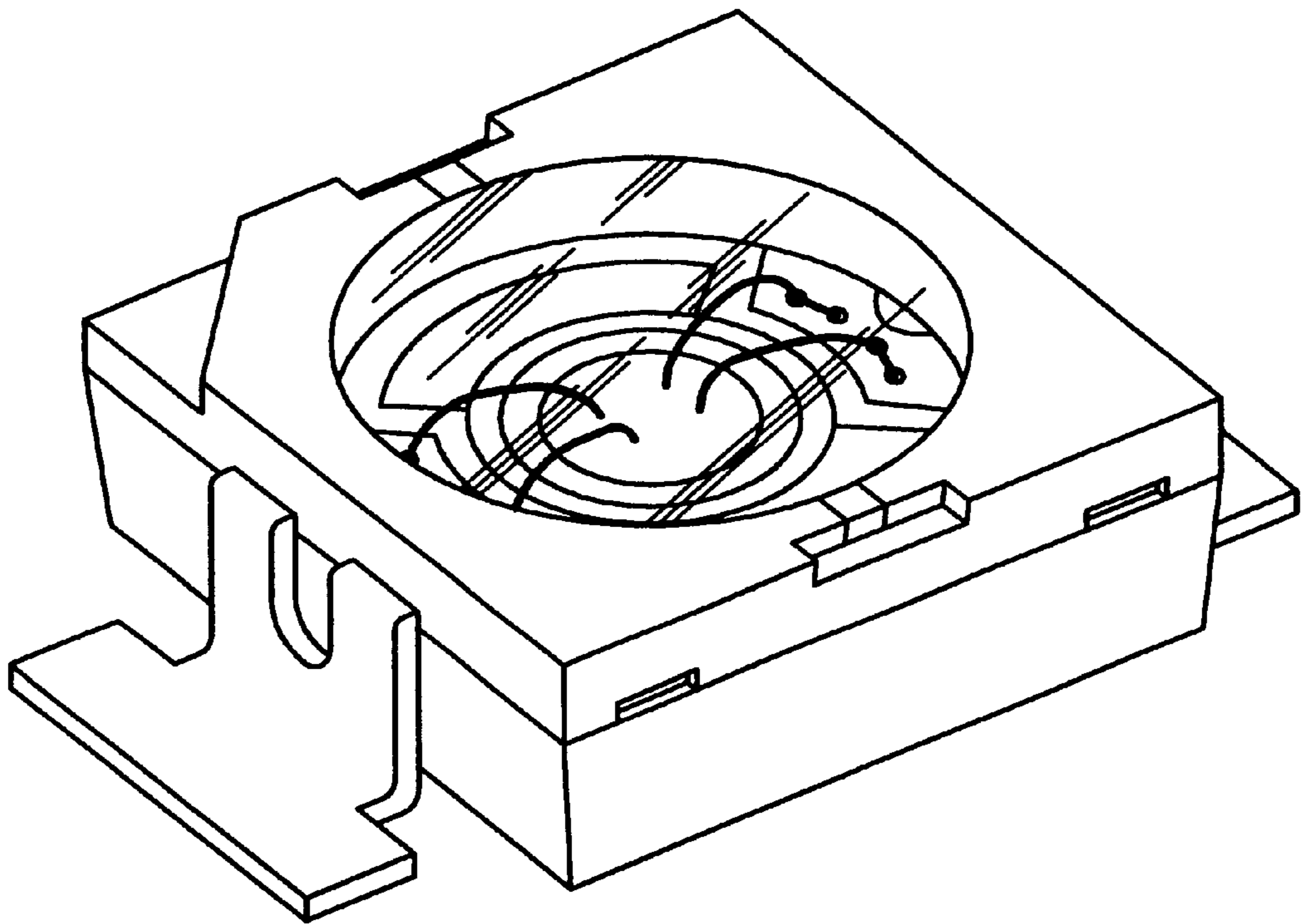


FIG. 8



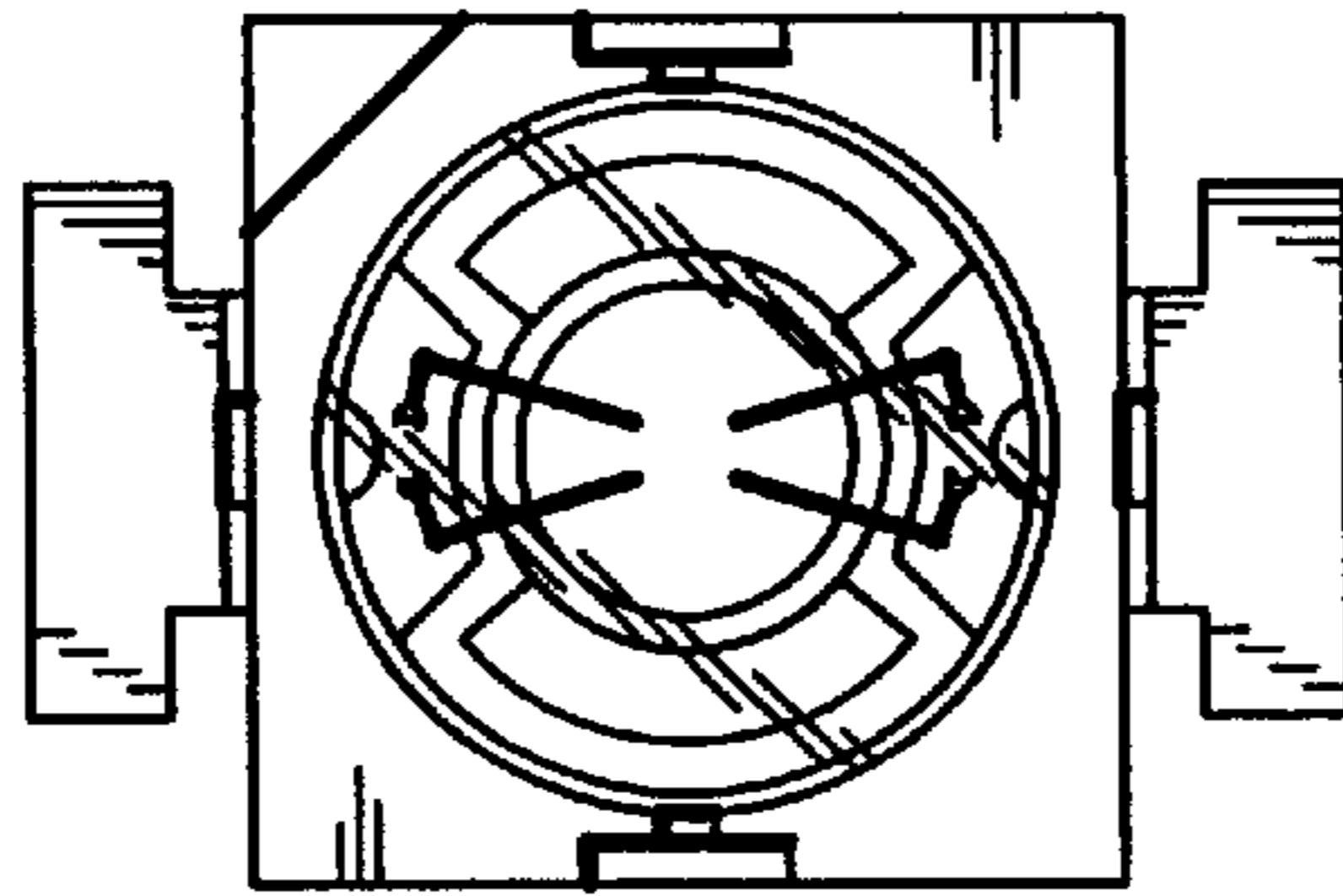


FIG. 9



FIG. 10

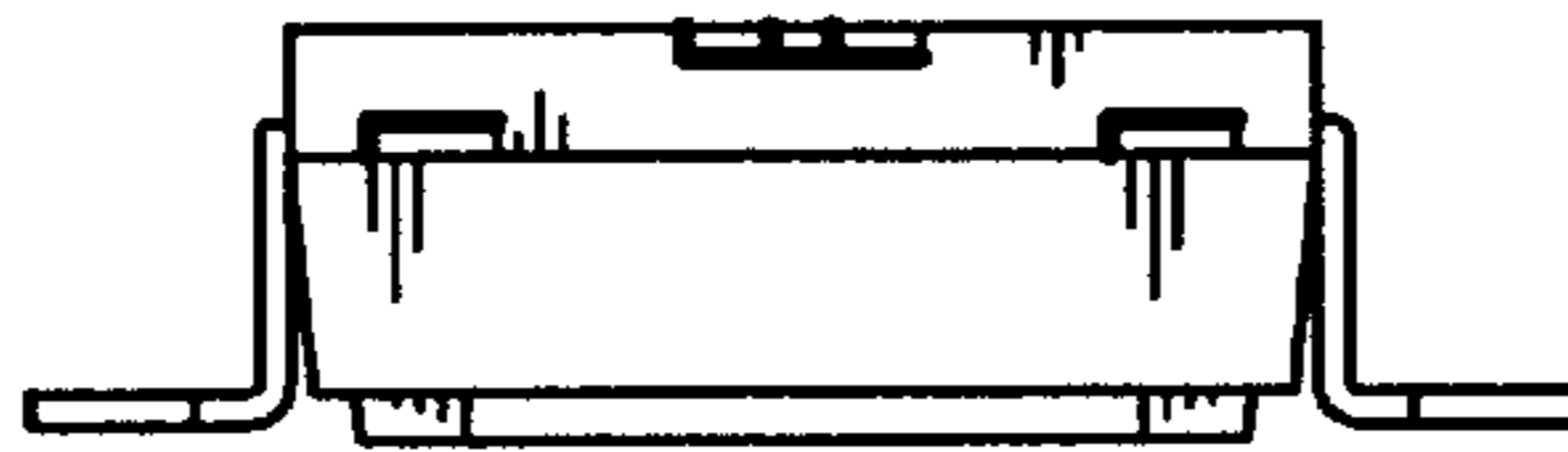


FIG. 11

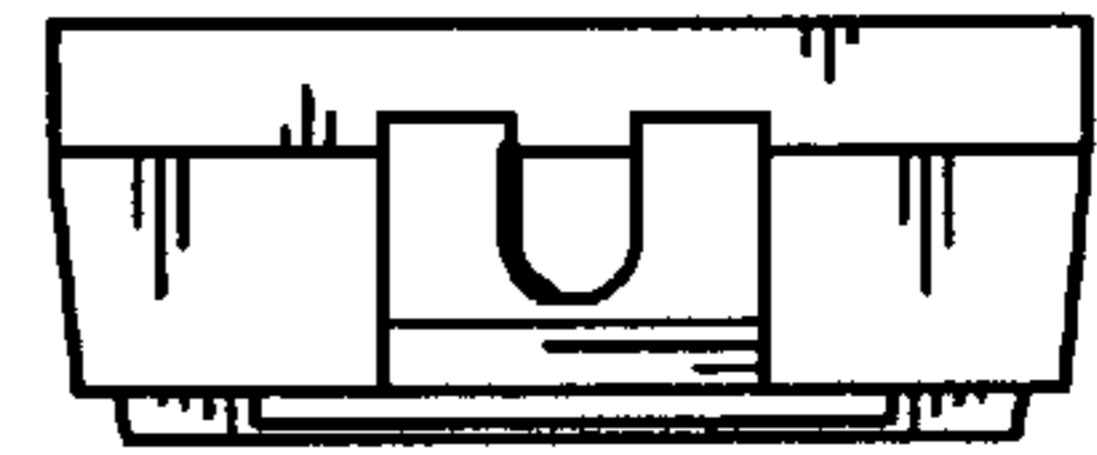


FIG. 12

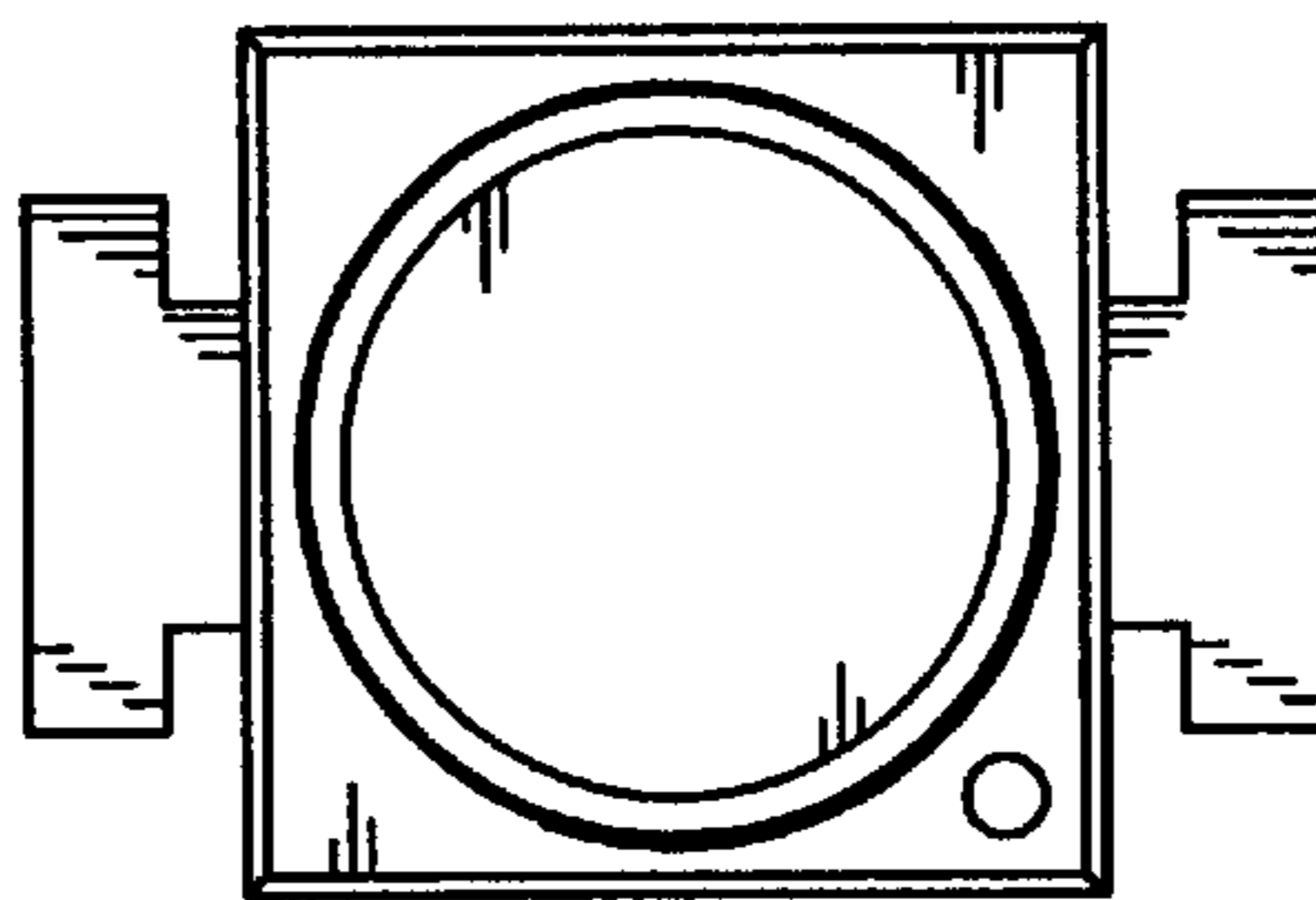


FIG. 13

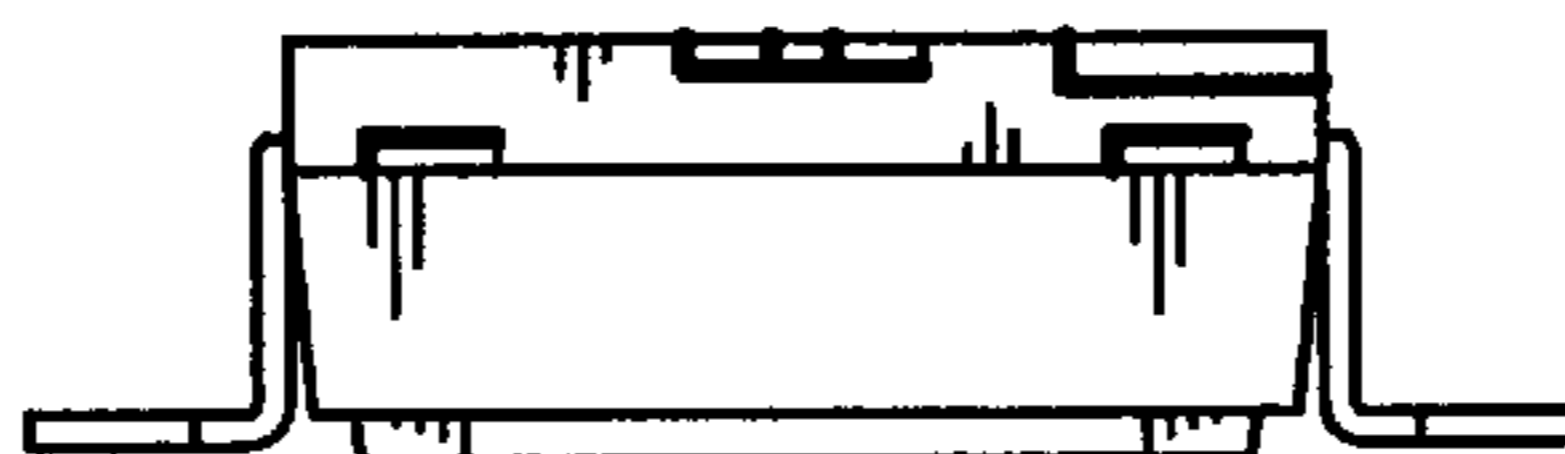


FIG. 14