



US00D574336S

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

(10) **Patent No.:** **US D574,336 S**

(45) **Date of Patent:** **** Aug. 5, 2008**

(54) **LIGHT EMITTING DIODE**

2007/0246715 A1* 10/2007 Shin et al. 257/79

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

(57) **CLAIM**

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

The ornamental design for a light emitting diode, as shown and described.

(21) Appl. No.: **29/284,143**

(22) Filed: **Aug. 31, 2007**

DESCRIPTION

(30) **Foreign Application Priority Data**

| | | | |
|--------------|------|-------|-----------|
| Mar. 2, 2007 | (JP) | | 2007-5322 |
| Mar. 2, 2007 | (JP) | | 2007-5328 |
| Mar. 2, 2007 | (JP) | | 2007-5329 |
| Mar. 2, 2007 | (JP) | | 2007-5330 |
| Mar. 2, 2007 | (JP) | | 2007-5331 |

FIG. 1 is a front elevational view of the light emitting diode in accordance with a first embodiment of our new design;

FIG. 2 is a rear elevational view of the light emitting diode in accordance with the first embodiment of our new design;

FIG. 3 is a top plan view of the light emitting diode in accordance with the first embodiment of our new design;

FIG. 4 is a bottom plan view of the light emitting diode in accordance with the first embodiment of our new design;

FIG. 5 is a left side elevational view of the light emitting diode in accordance with the first embodiment of our new design;

FIG. 6 is a right side end elevational view of the light emitting diode in accordance with the first embodiment of our new design;

FIG. 7 is a partial cross sectional view of the light emitting diode as taken along a section line 7—7 in FIG. 5 in accordance with the first embodiment of our new design;

FIG. 8 is a perspective view of the light emitting diode in accordance with the first embodiment of our new design;

FIG. 9 is a front elevational view of the light emitting diode in accordance with a second embodiment of our new design;

FIG. 10 is a rear elevational view of the light emitting diode in accordance with the second embodiment of our new design;

FIG. 11 is a top plan view of the light emitting diode in accordance with the second embodiment of our new design;

FIG. 12 is a bottom plan view of the light emitting diode in accordance with the second embodiment of our new design;

(51) **LOC (8) Cl.** **13-03**

(52) **U.S. Cl.** **D13/180**

(58) **Field of Classification Search** D13/180;
D26/2; 257/79, 80, 81, 88, 89, 95, 98, 99,
257/100; 313/483, 498, 500; 362/555, 800
See application file for complete search history.

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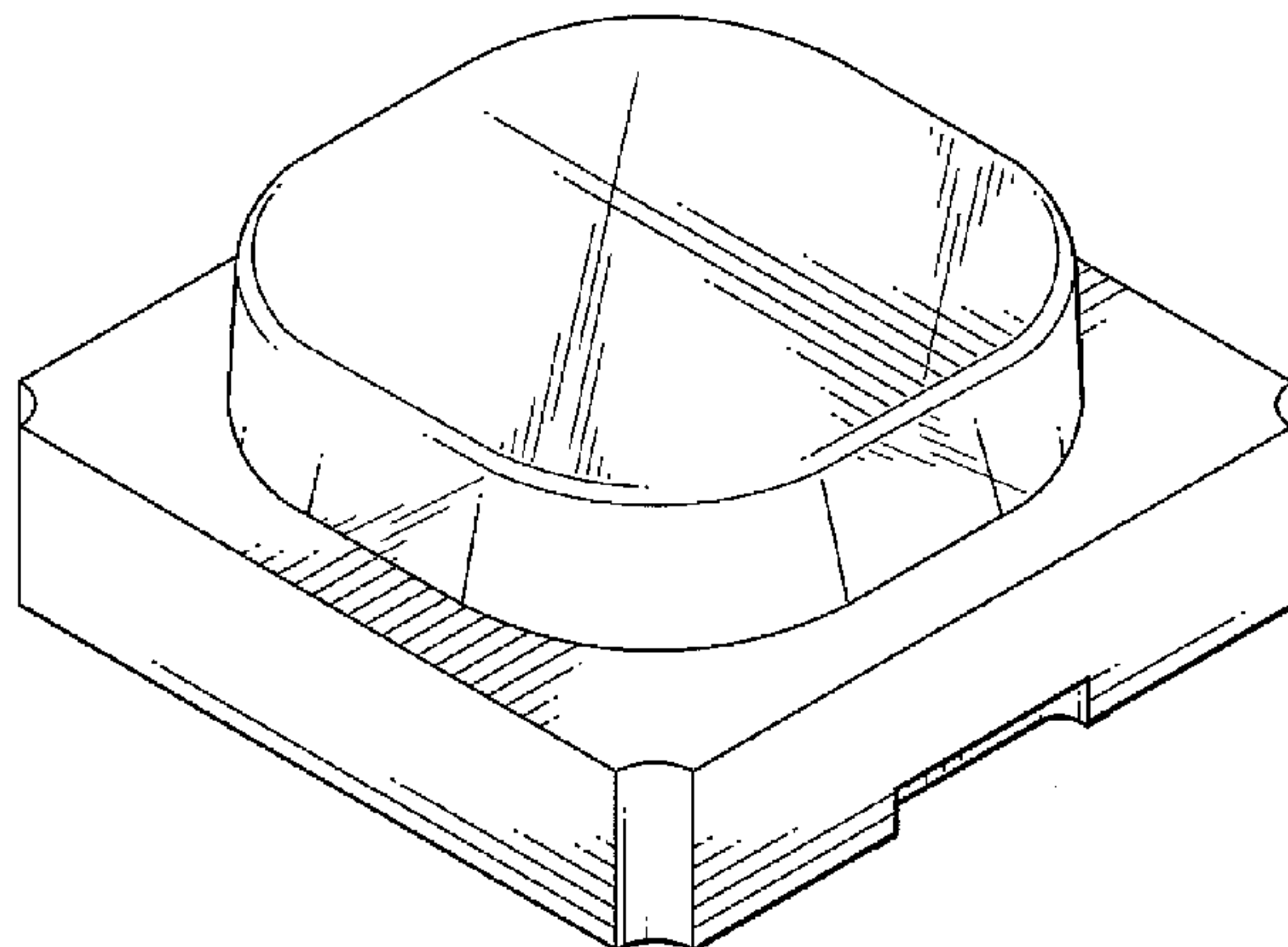


FIG. 13 is a left side elevational view of the light emitting diode in accordance with the second embodiment of our new design;

FIG. 14 is a right side end elevational view of the light emitting diode in accordance with the second embodiment of our new design;

FIG. 15 is a partial cross sectional view of the light emitting diode as taken along a section line 15—15 in FIG. 13 in accordance with the second embodiment of our new design;

FIG. 16 is a perspective view of the light emitting diode in accordance with the second embodiment of our new design;

FIG. 17 is a front elevational view of the light emitting diode in accordance with a third embodiment of our new design;

FIG. 18 is a rear elevational view of the light emitting diode in accordance with the third embodiment of our new design;

FIG. 19 is a top plan view of the light emitting diode in accordance with the third embodiment of our new design;

FIG. 20 is a bottom plan view of the light emitting diode in accordance with the third embodiment of our new design;

FIG. 21 is a left side elevational view of the light emitting diode in accordance with the third embodiment of our new design;

FIG. 22 is a right side end elevational view of the light emitting diode in accordance with the third embodiment of our new design;

FIG. 23 is a partial cross sectional view of the light emitting diode as taken along a section line 23—23 in FIG. 21 in accordance with the third embodiment of our new design;

FIG. 24 is a perspective view of the light emitting diode in accordance with the third embodiment of our new design;

FIG. 25 is a front elevational view of the light emitting diode in accordance with a fourth embodiment of our new design;

FIG. 26 is a rear elevational view of the light emitting diode in accordance with the fourth embodiment of our new design;

FIG. 27 is a top plan view of the light emitting diode in accordance with the fourth embodiment of our new design;

FIG. 28 is a bottom plan view of the light emitting diode in accordance with the fourth embodiment of our new design;

FIG. 29 is a left side elevational view of the light emitting diode in accordance with the fourth embodiment of our new design;

FIG. 30 is a right side end elevational view of the light emitting diode in accordance with the fourth embodiment of our new design;

FIG. 31 is a partial cross sectional view of the light emitting diode as taken along a section line 31—31 in FIG. 29 in accordance with the fourth embodiment of our new design;

FIG. 32 is a perspective view of the light emitting diode in accordance with the fourth embodiment of our new design;

FIG. 33 is a front elevational view of the light emitting diode in accordance with a fifth embodiment of our new design;

FIG. 34 is a rear elevational view of the light emitting diode in accordance with the fifth embodiment of our new design;

FIG. 35 is a top plan view of the light emitting diode in accordance with the fifth embodiment of our new design;

FIG. 36 is a bottom plan view of the light emitting diode in accordance with the fifth embodiment of our new design;

FIG. 37 is a left side elevational view of the light emitting diode in accordance with the fifth embodiment of our new design;

FIG. 38 is a right side end elevational view of the light emitting diode in accordance with the fifth embodiment of our new design;

FIG. 39 is a partial cross sectional view of the light emitting diode as taken along a section line 39—39 in FIG. 37 in accordance with the fifth embodiment of our new design; and,

FIG. 40 is a perspective view of the light emitting diode in accordance with the fifth embodiment of our new design.

The opaque line shading illustrates a translucent portion of the light emitting diode. More specifically, in the first through fifth embodiments, the lens of the light emitting diode is translucent.

The partial cross sectional views illustrated in FIGS. 7, 15, 23, 31 and 39 are presented solely for the purpose of clarifying the shape of exterior surface of the lens of the light emitting diode according to the claimed design.

The broken lines illustrated in FIGS. 2, 10, 18, 26 and 34 indicate environmental structures that form no part of the claimed design.

1 Claim, 20 Drawing Sheets

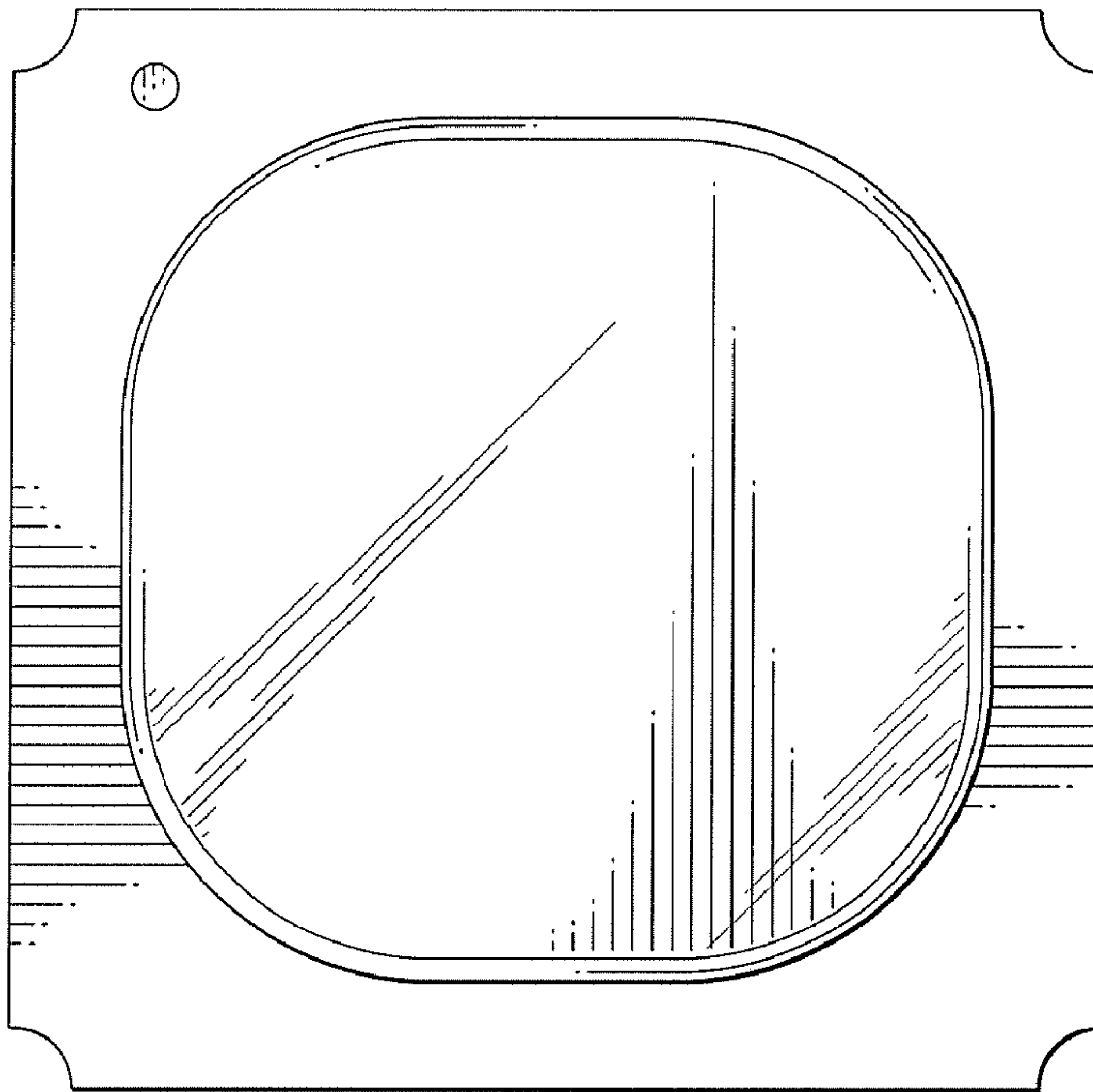


FIG. 1

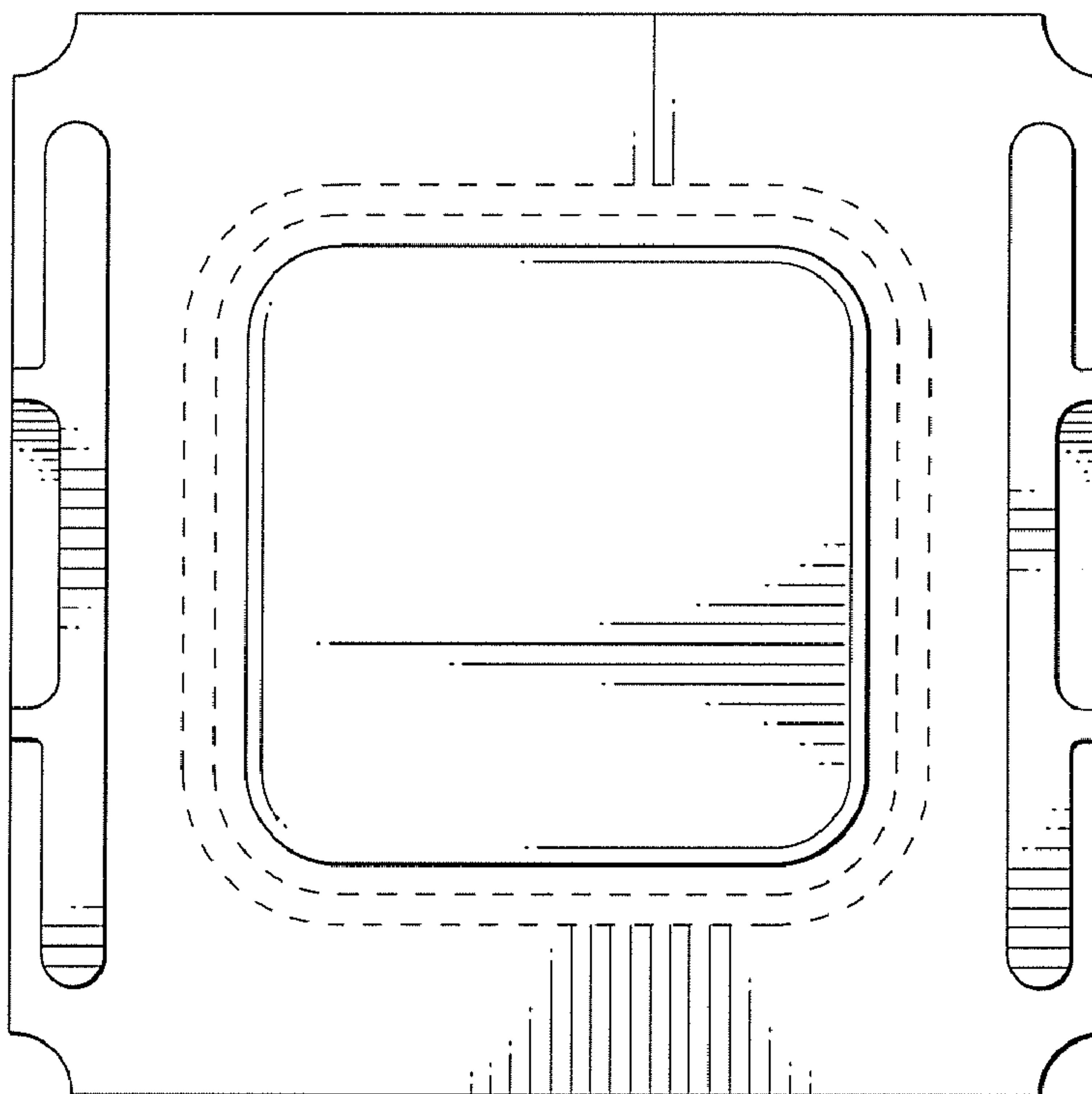


FIG. 2

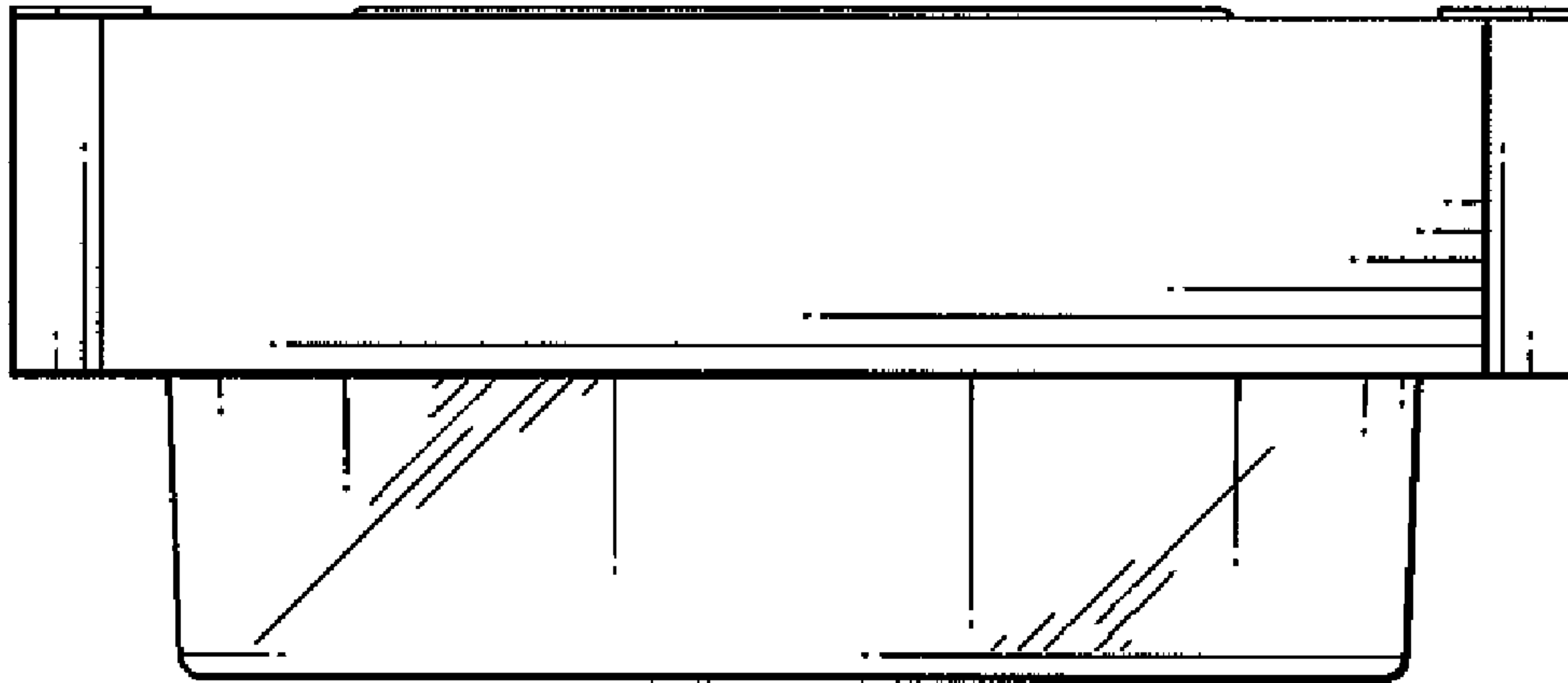


FIG. 3

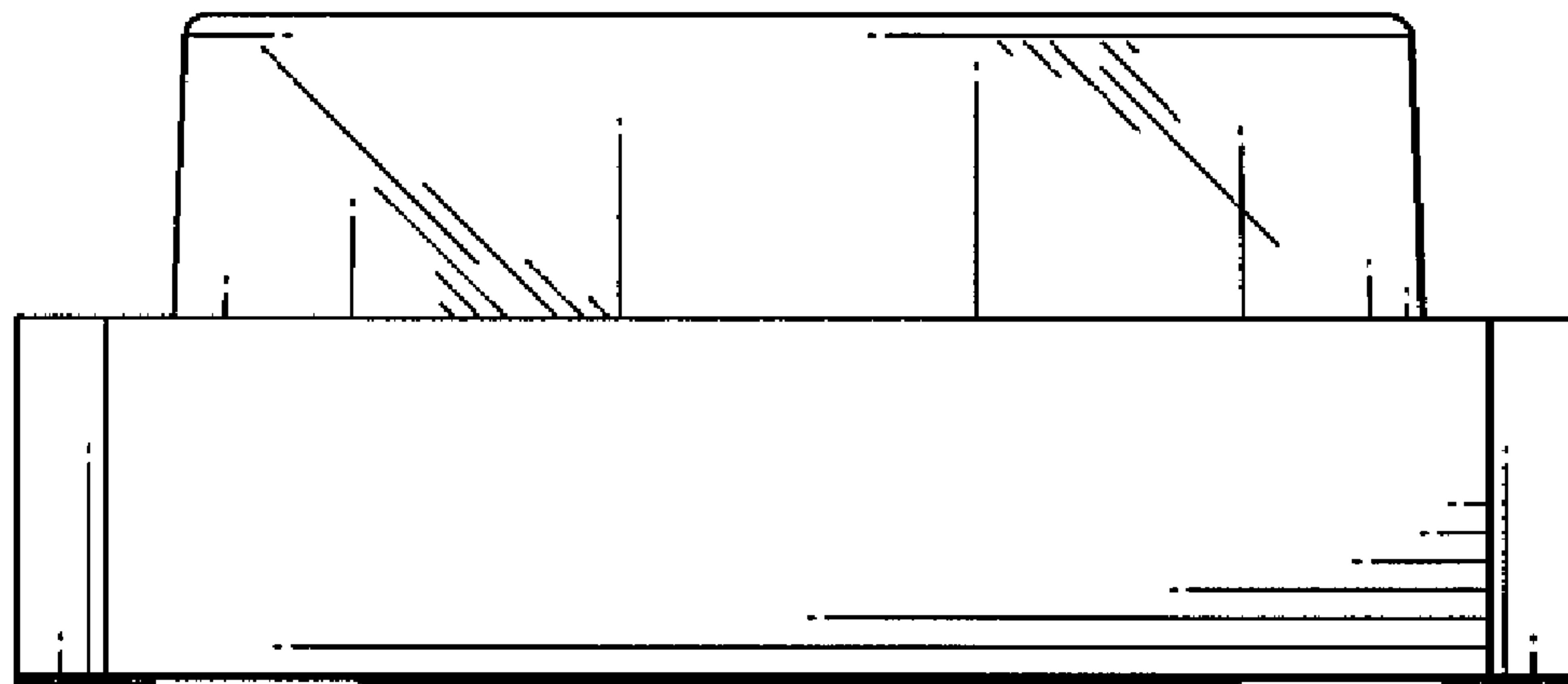


FIG. 4

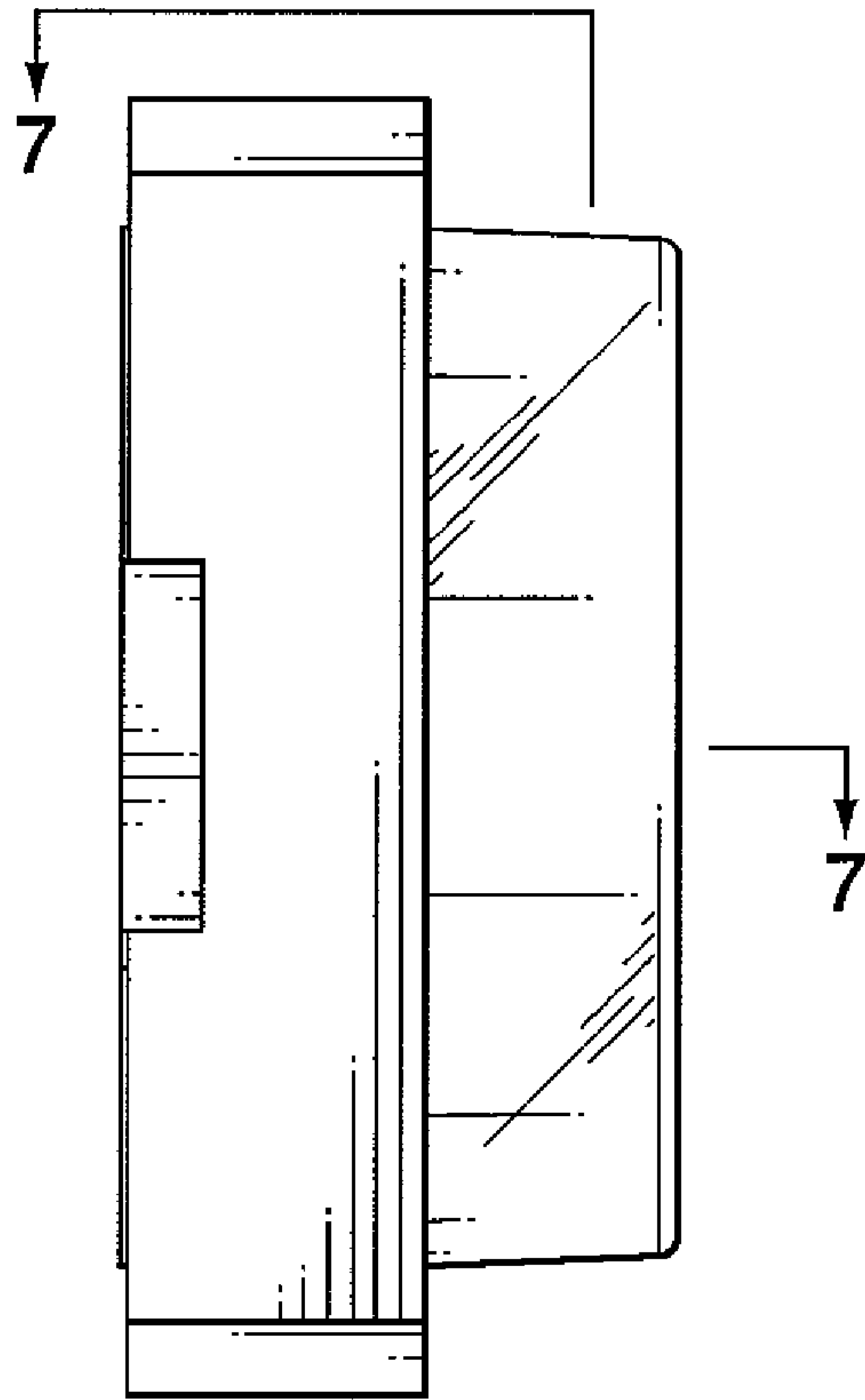


FIG. 5

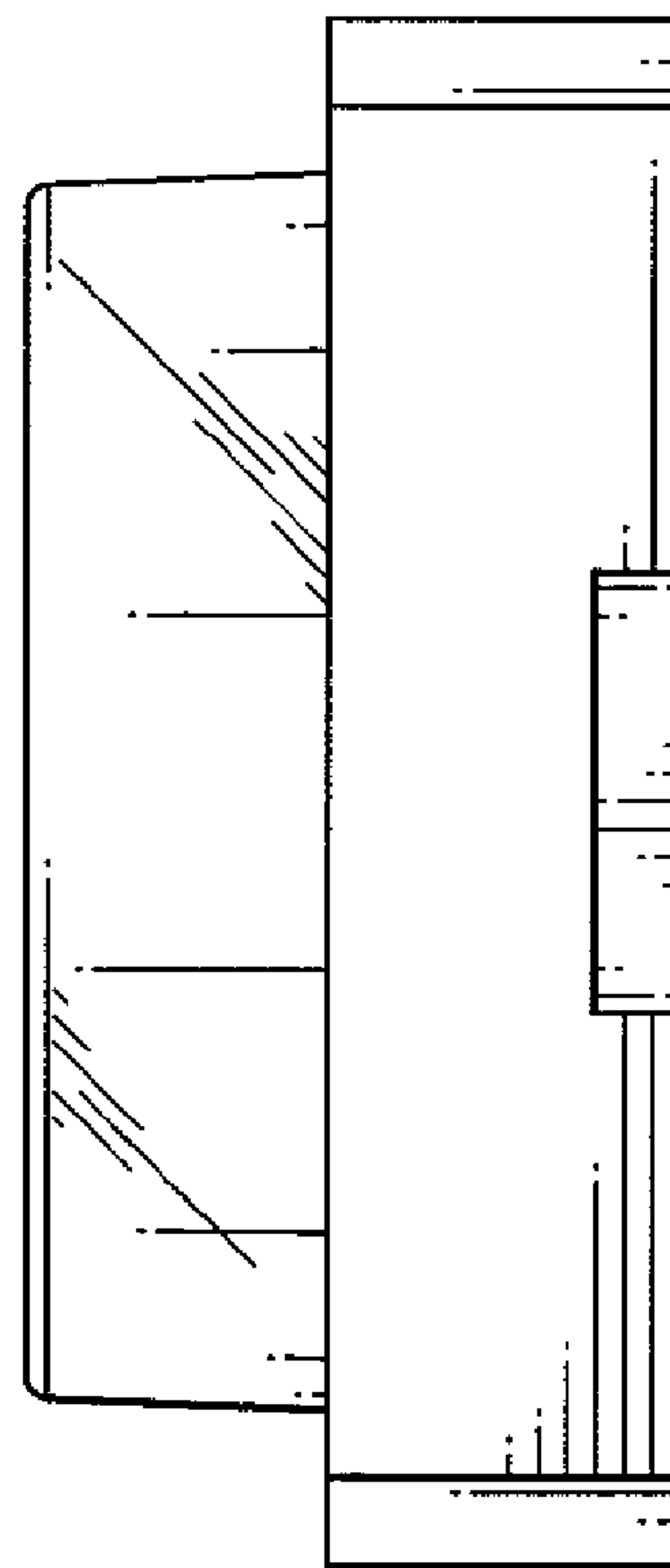


FIG. 6

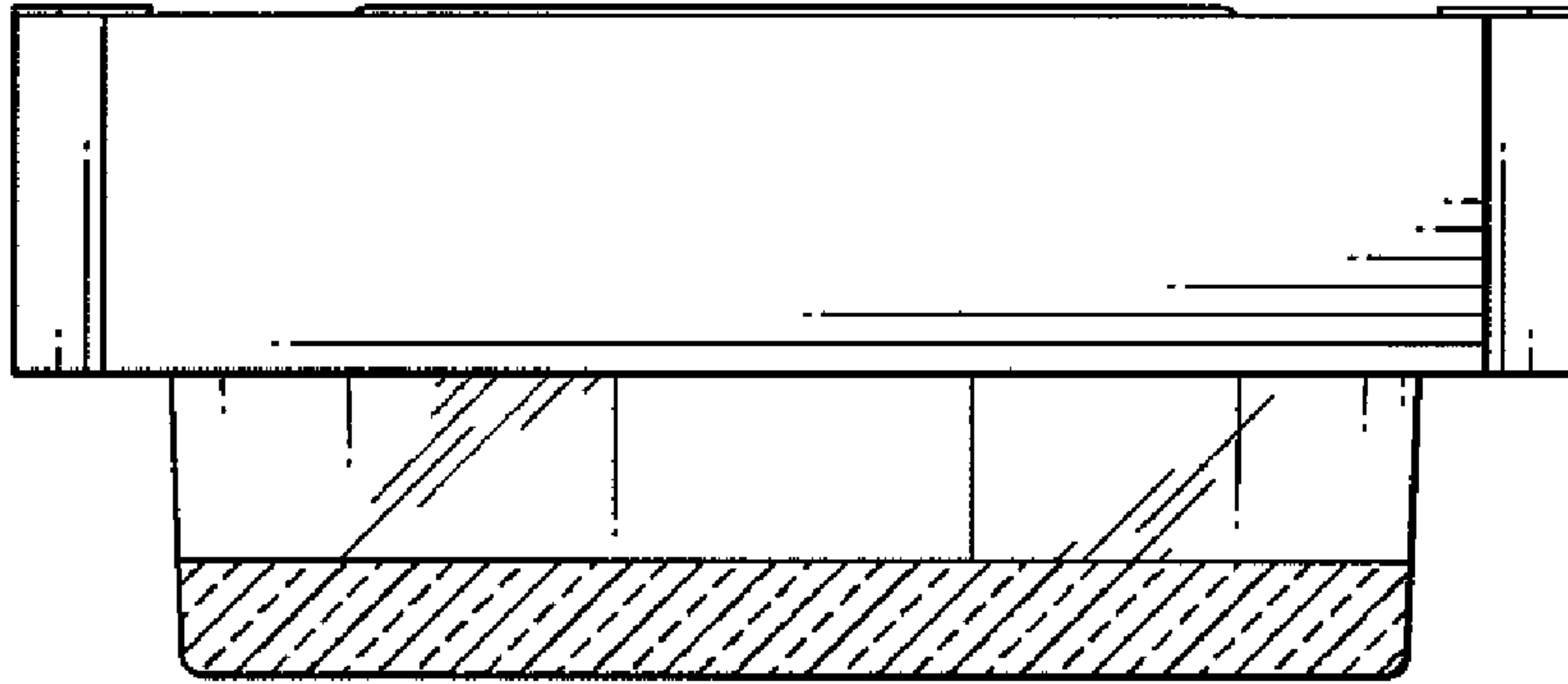


FIG. 7

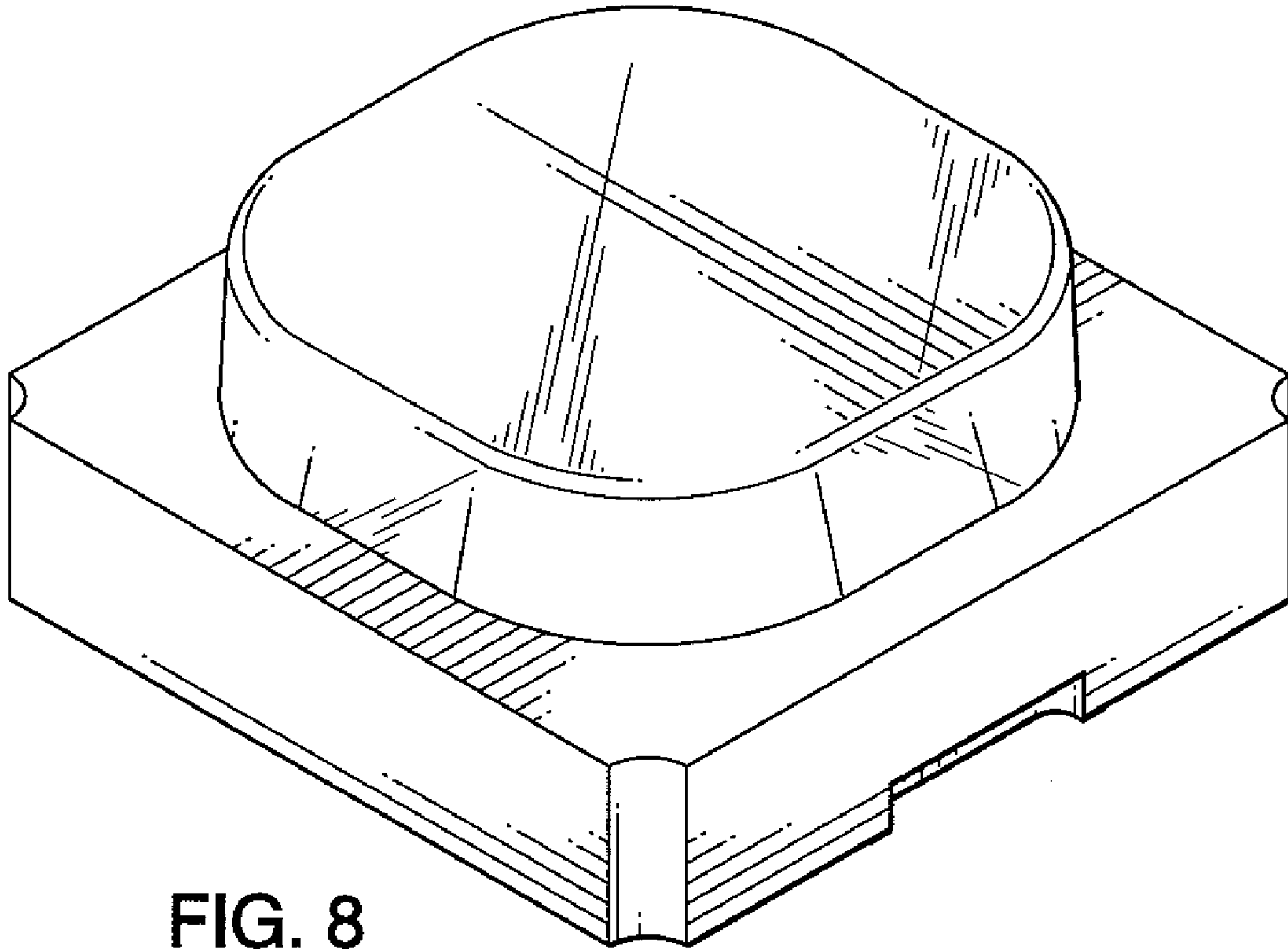


FIG. 8

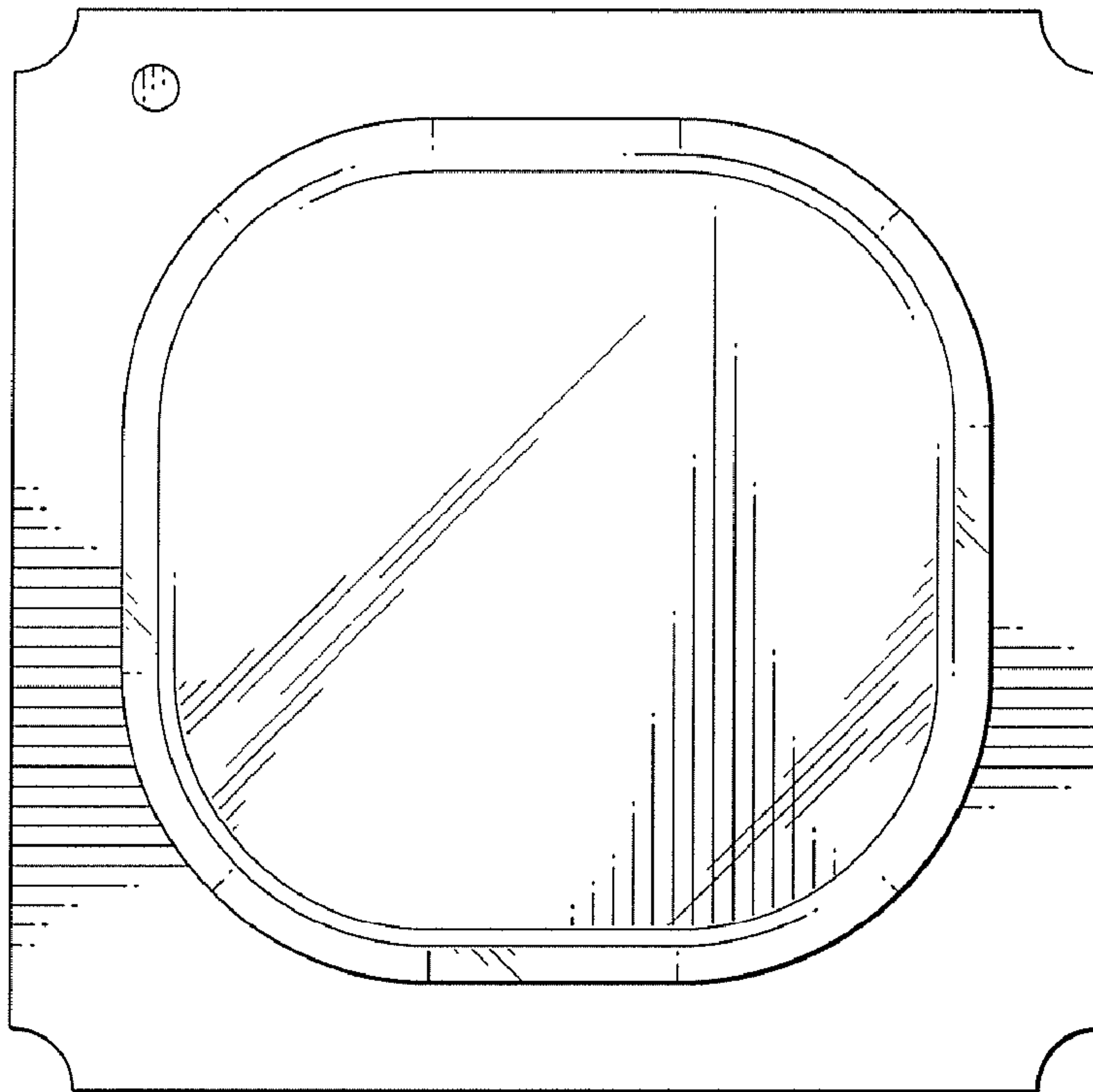


FIG. 9

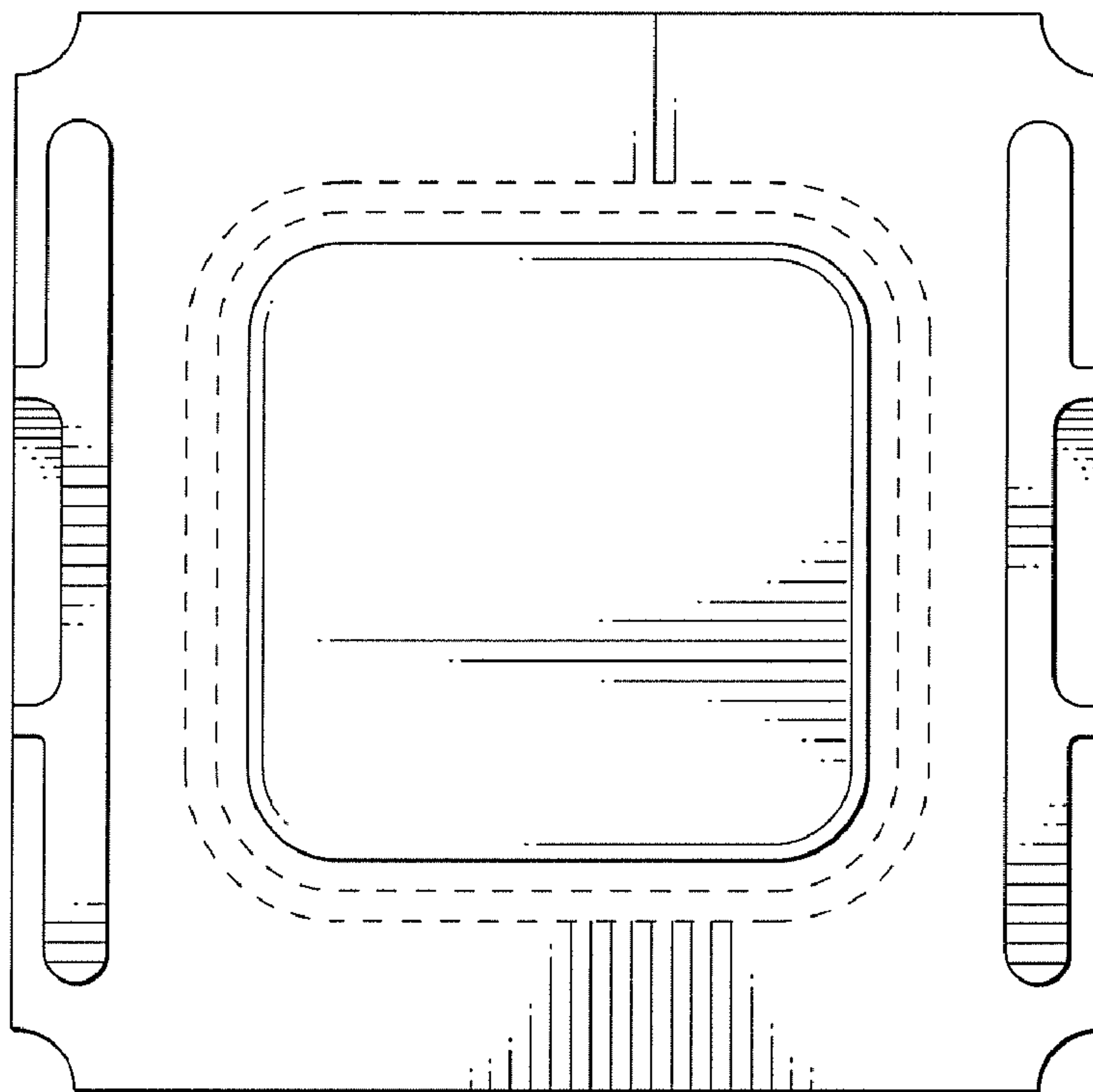


FIG. 10

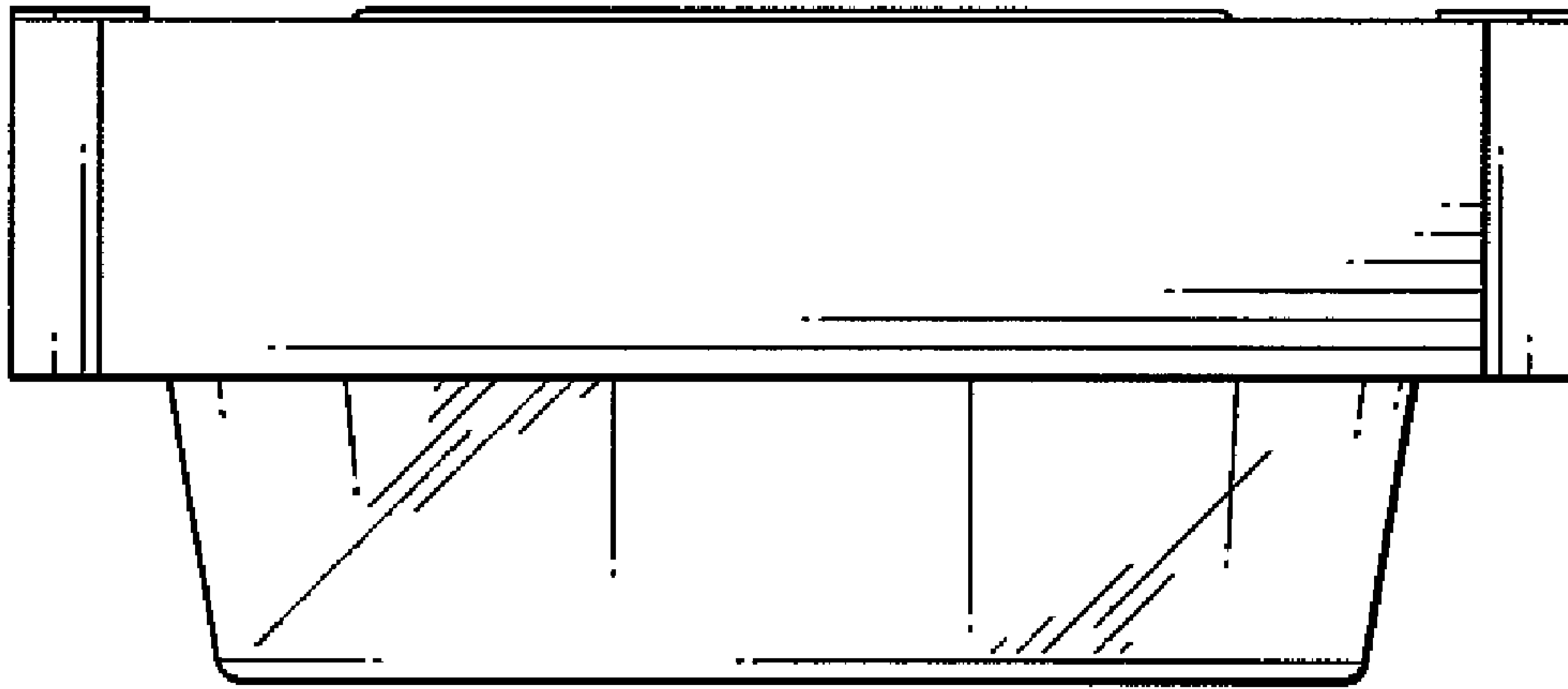


FIG. 11

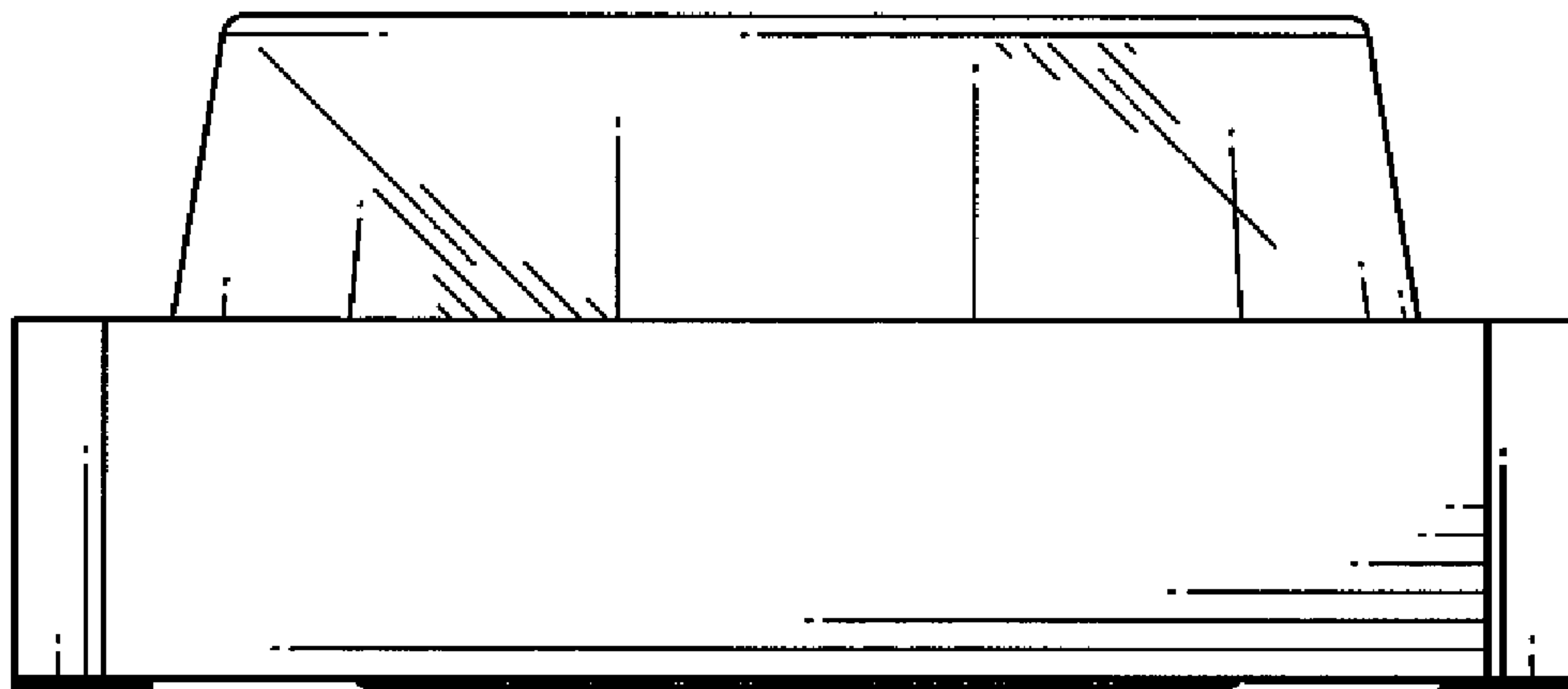


FIG. 12

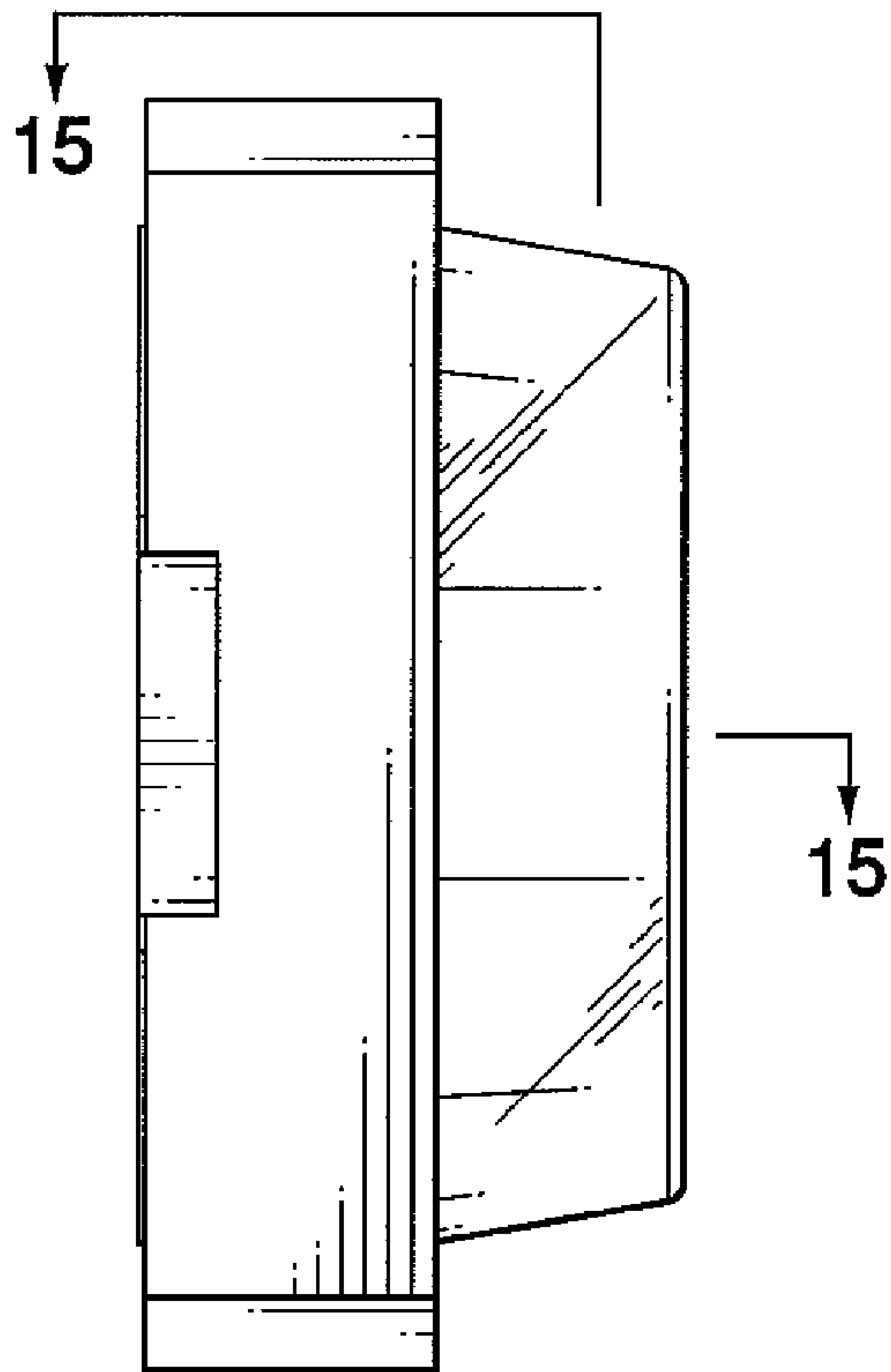


FIG. 13

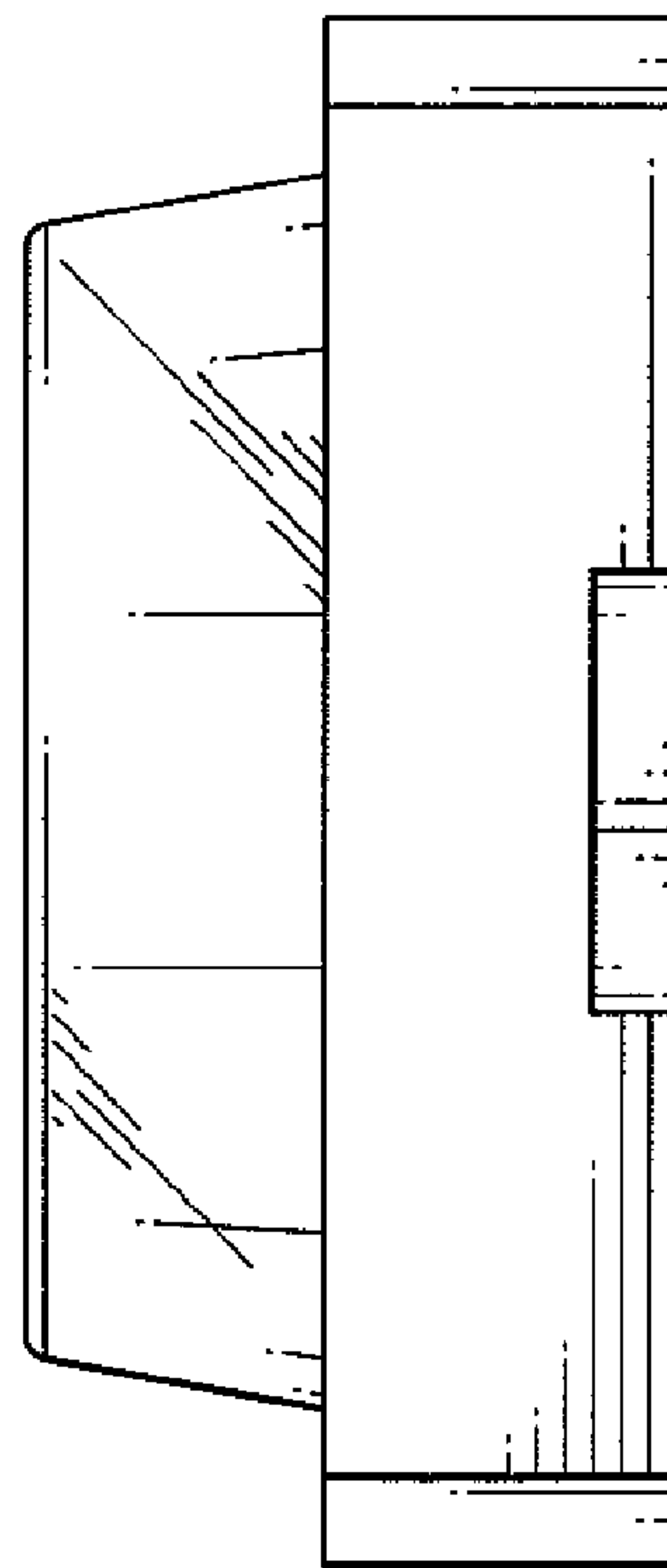


FIG. 14

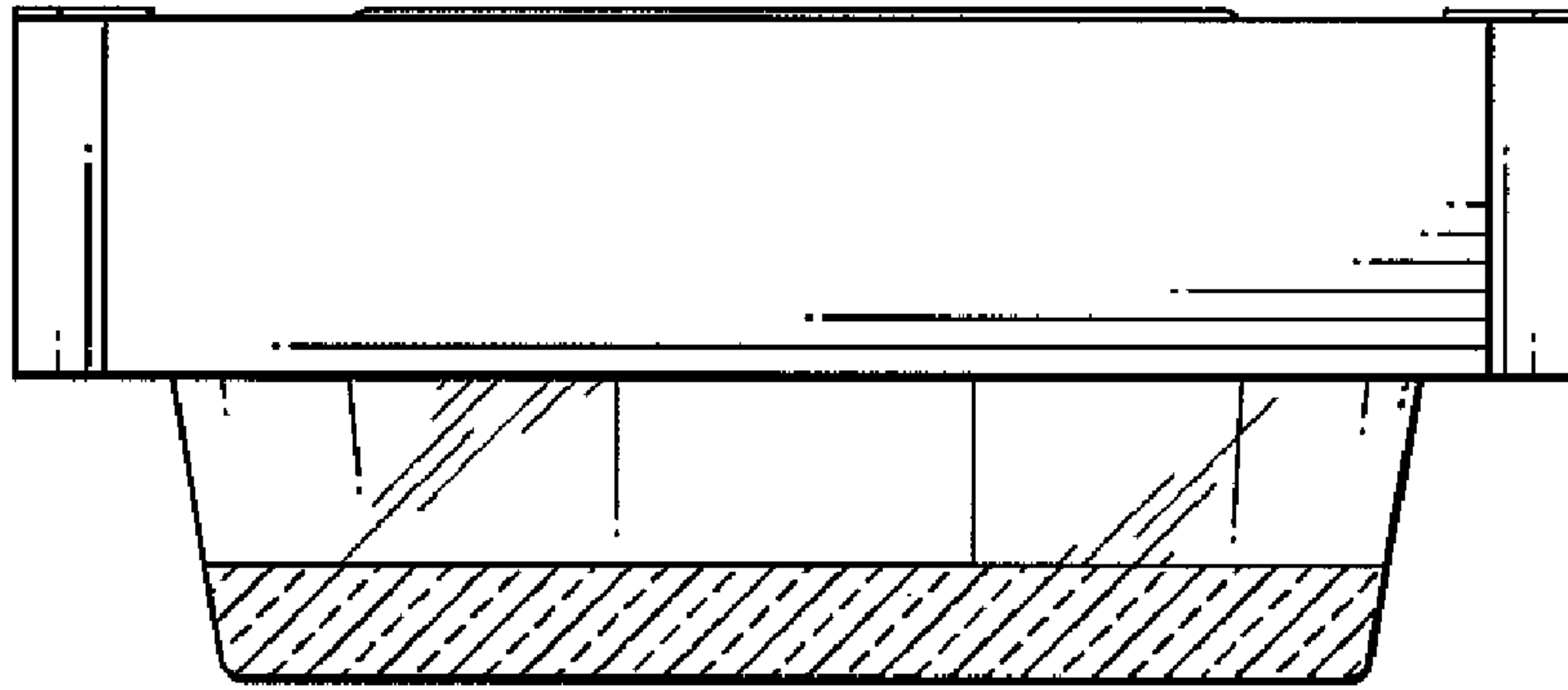


FIG. 15

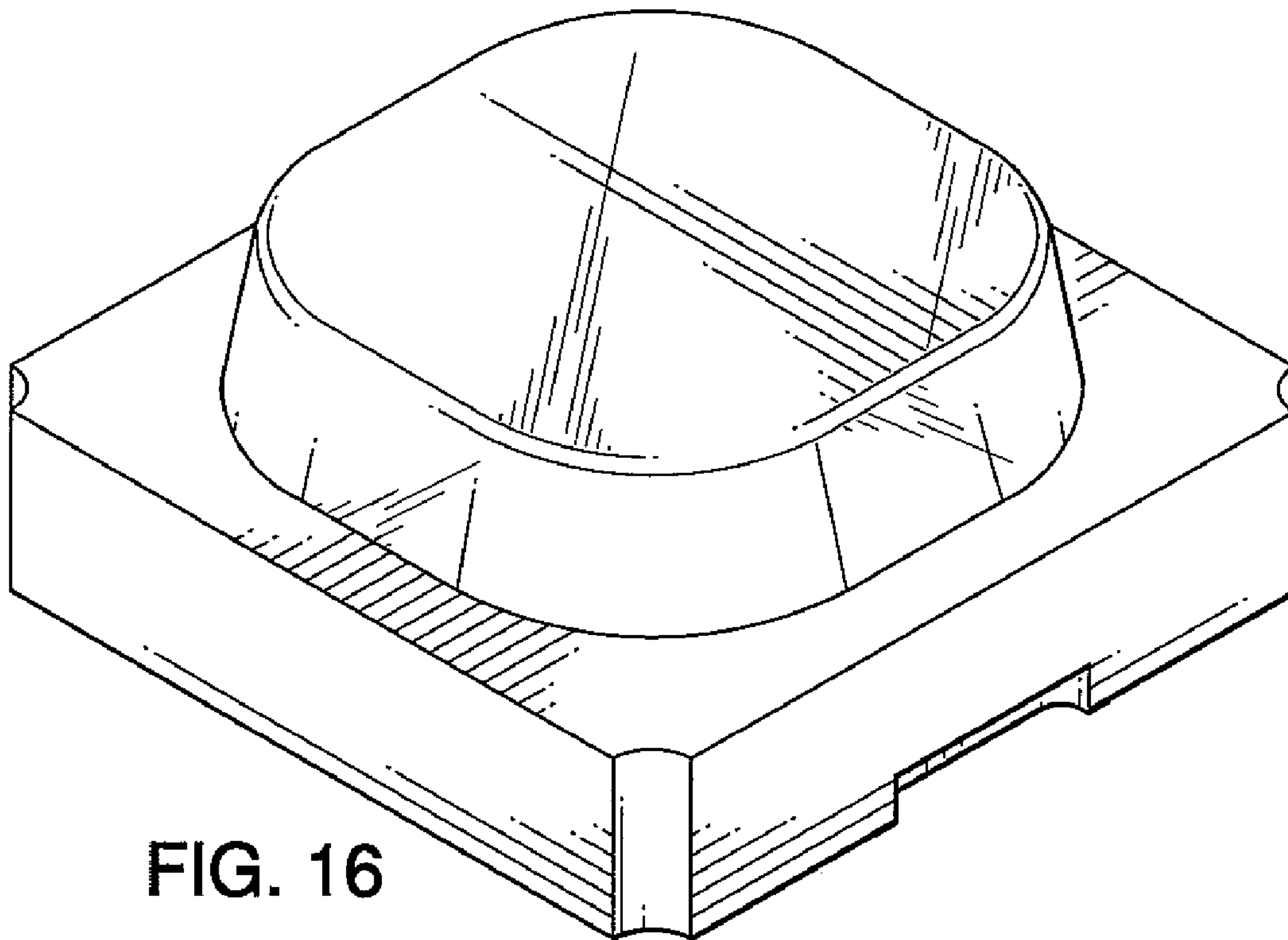


FIG. 16

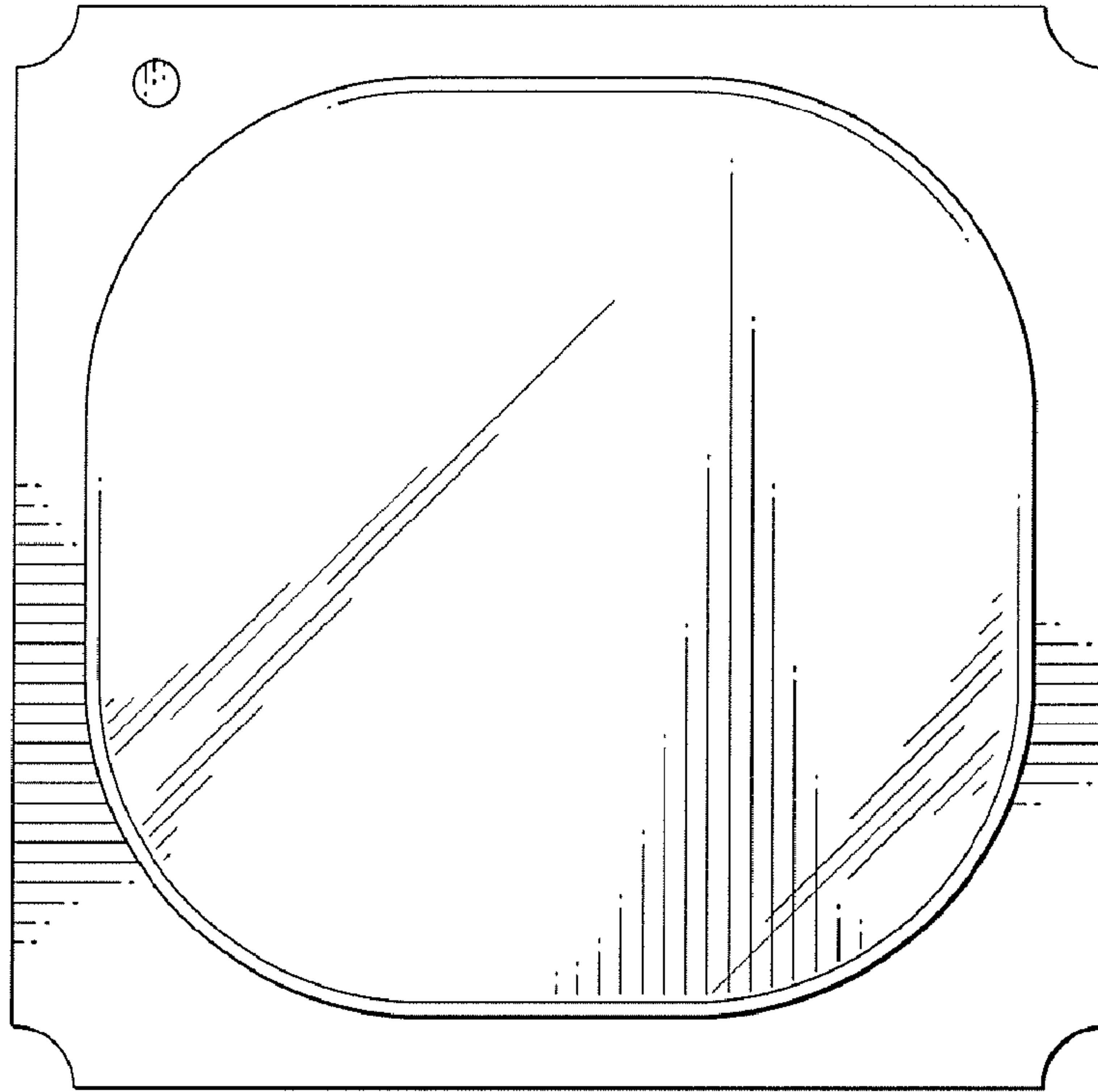


FIG. 17

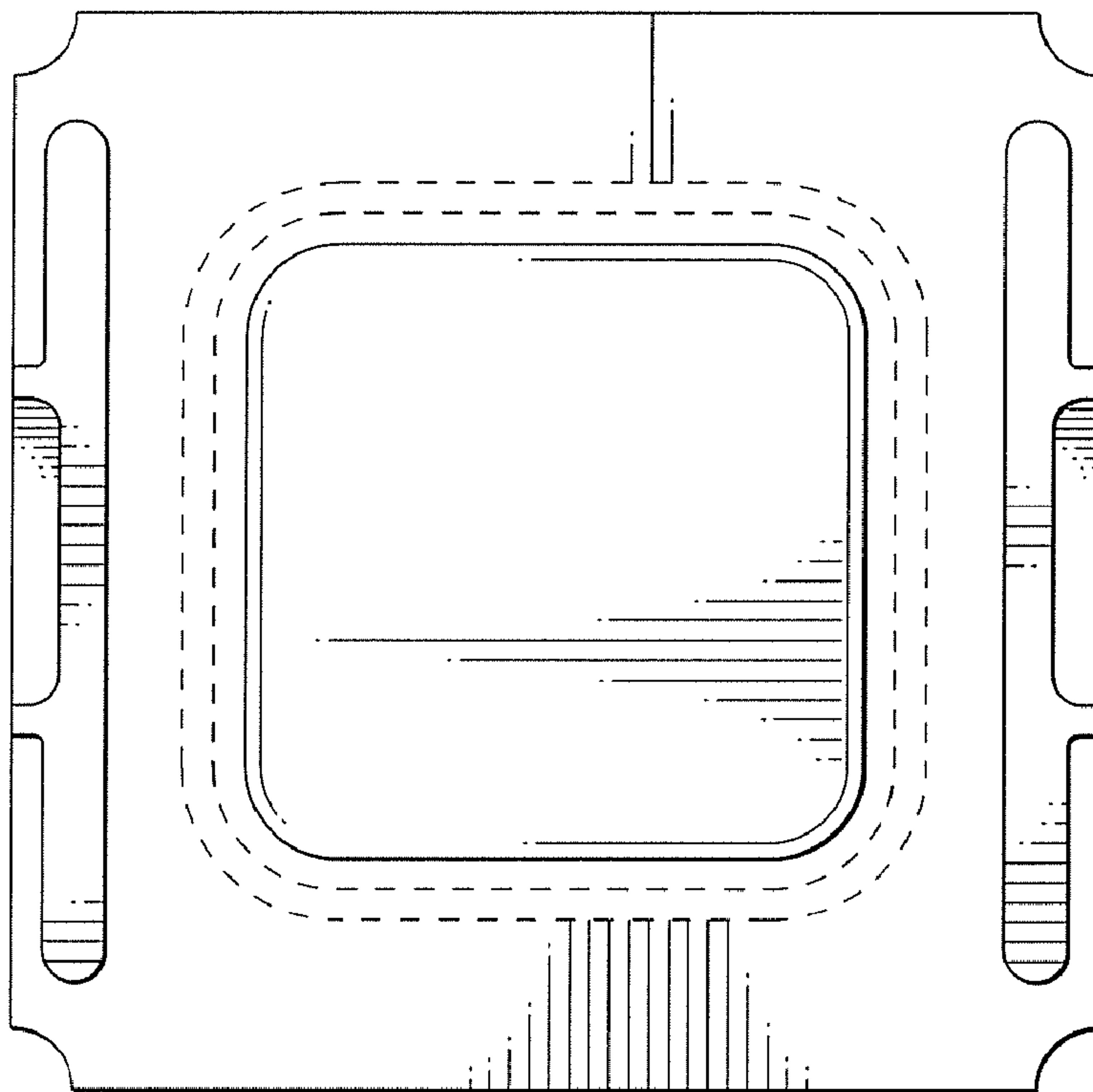


FIG. 18

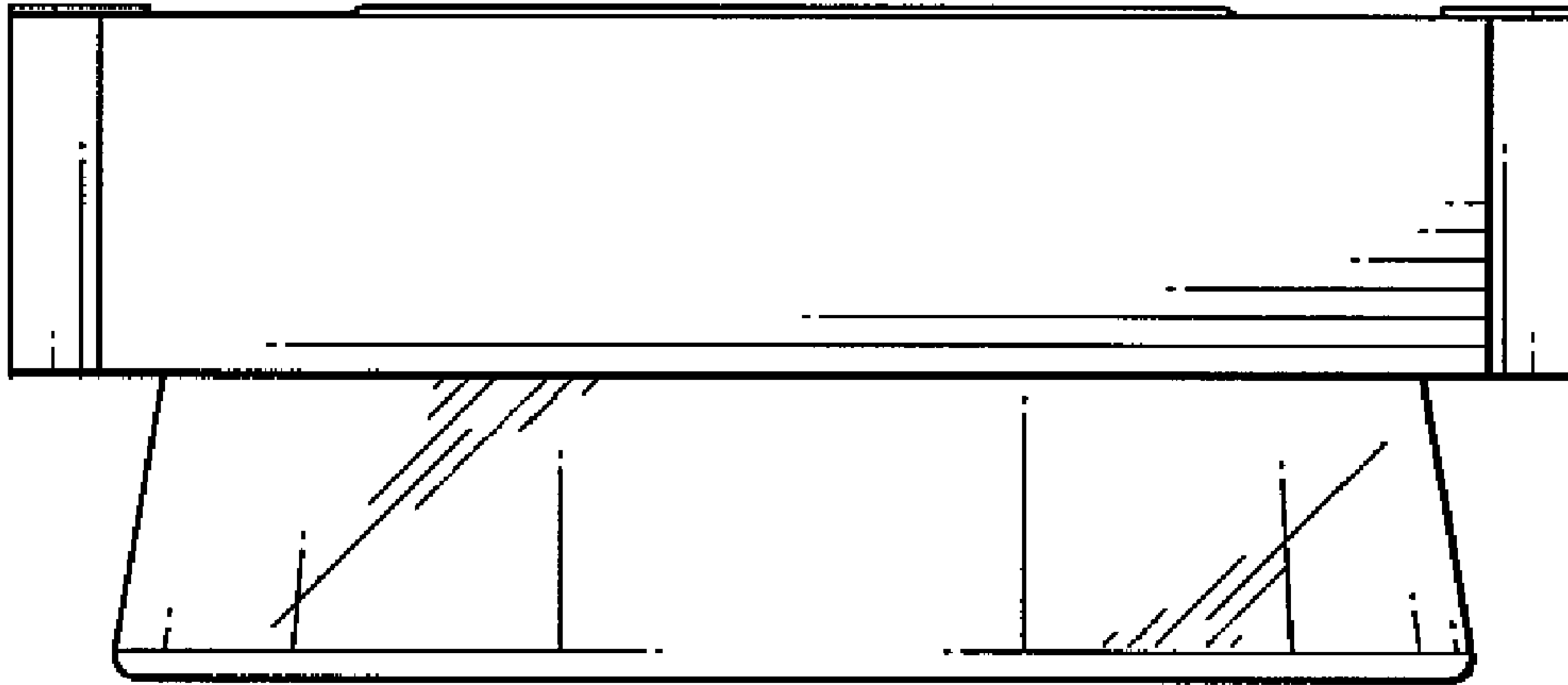


FIG. 19

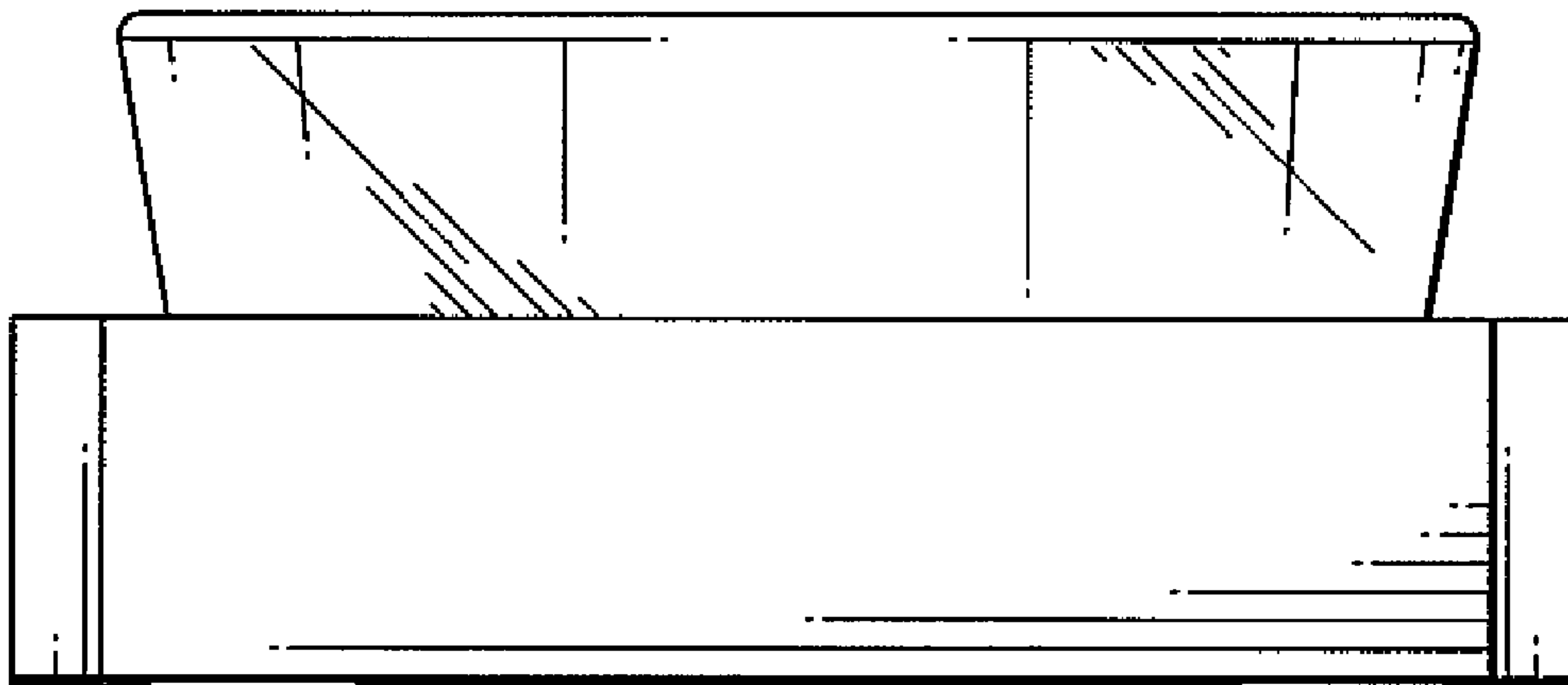


FIG. 20

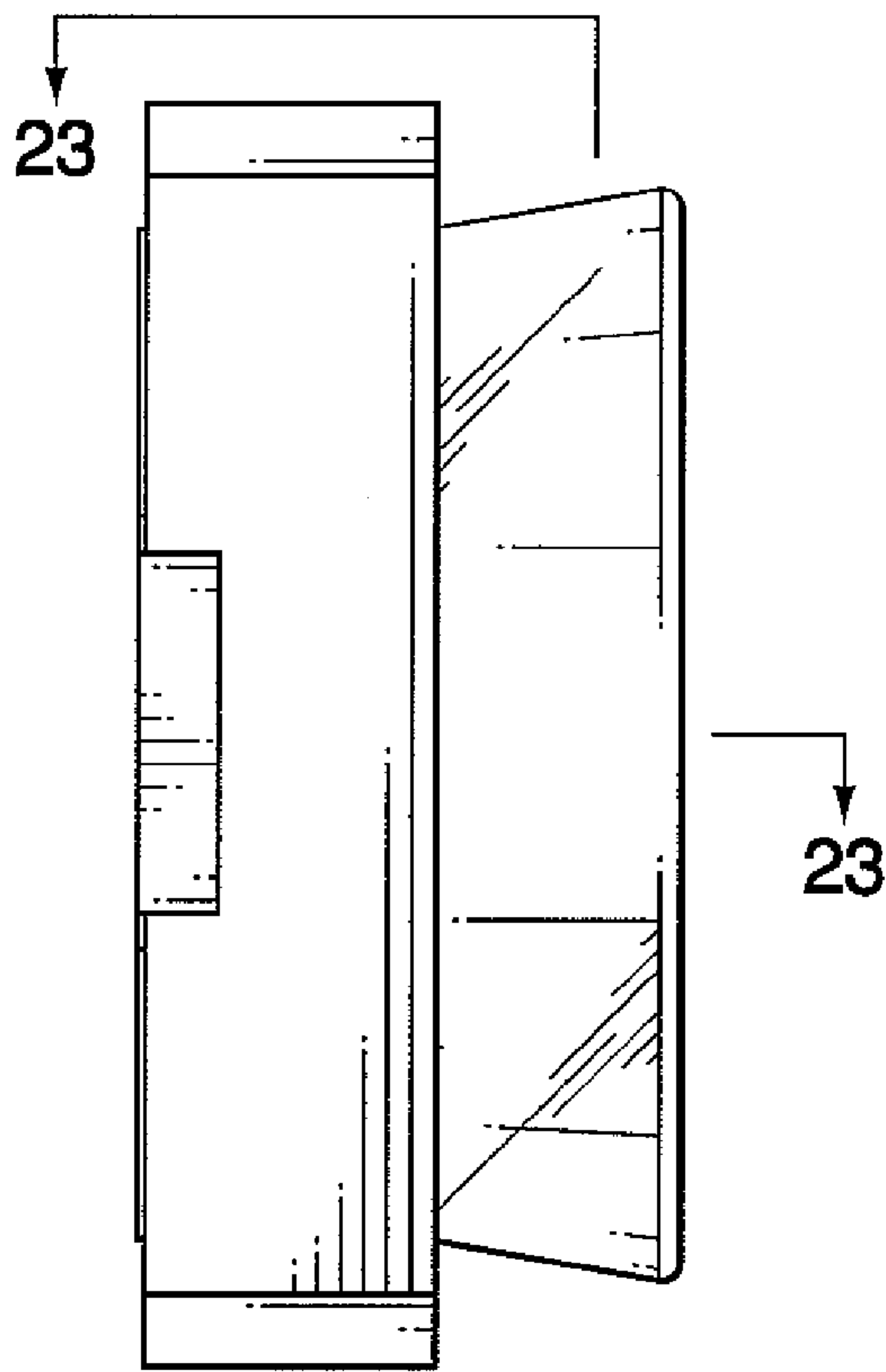


FIG. 21

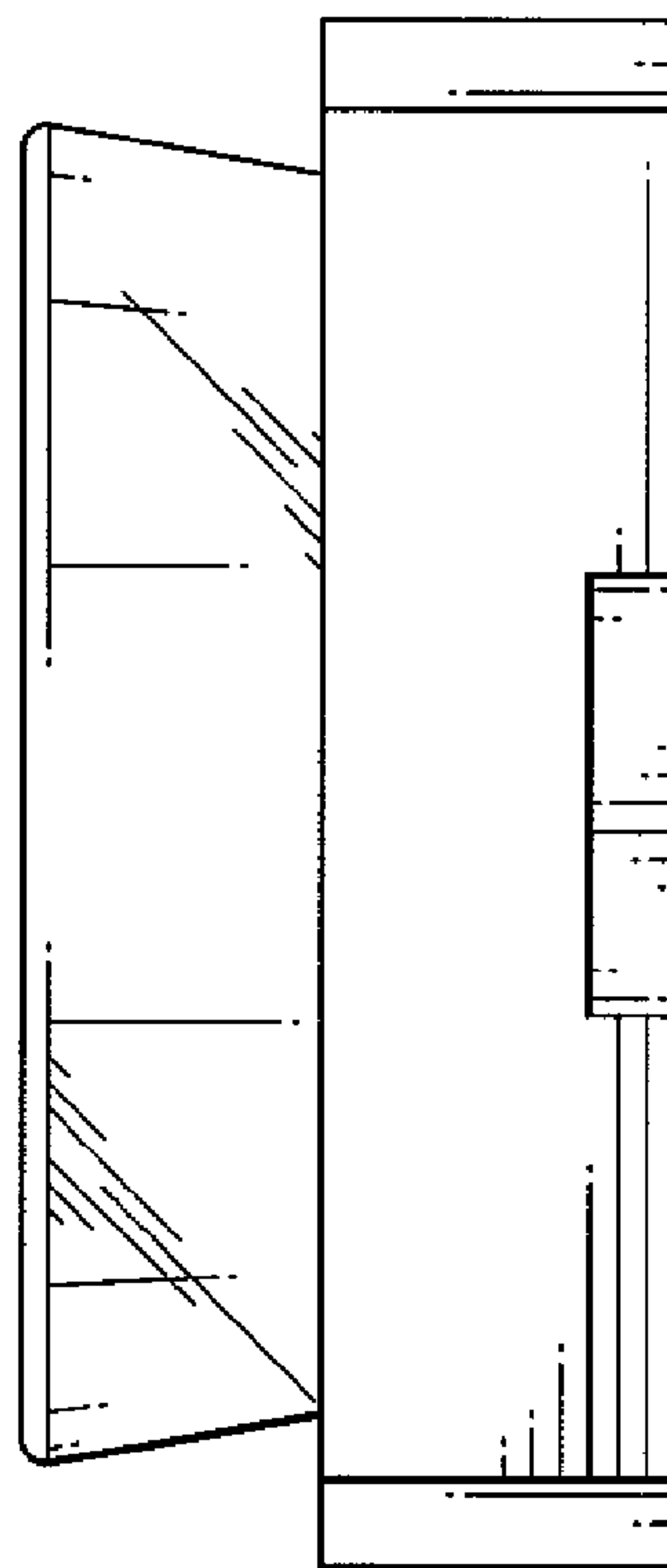


FIG. 22

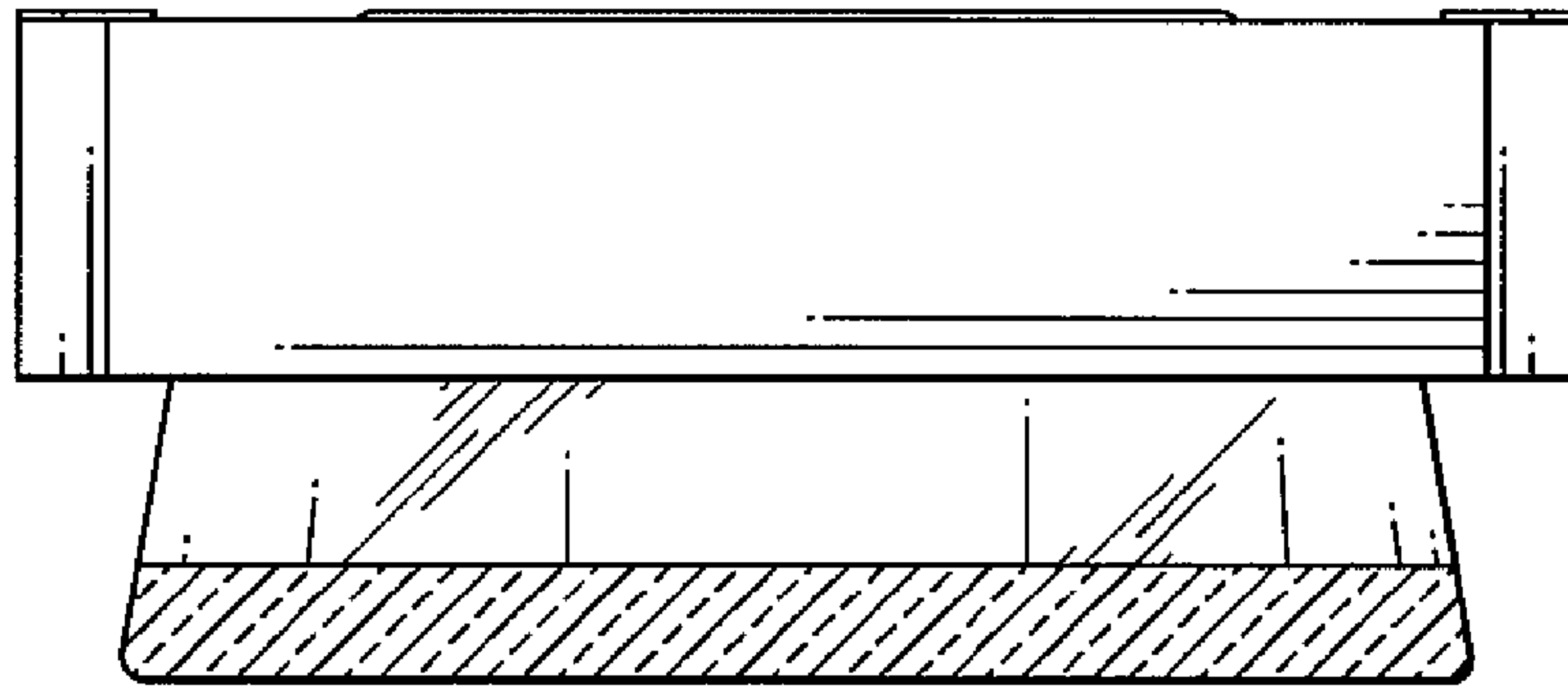


FIG. 23

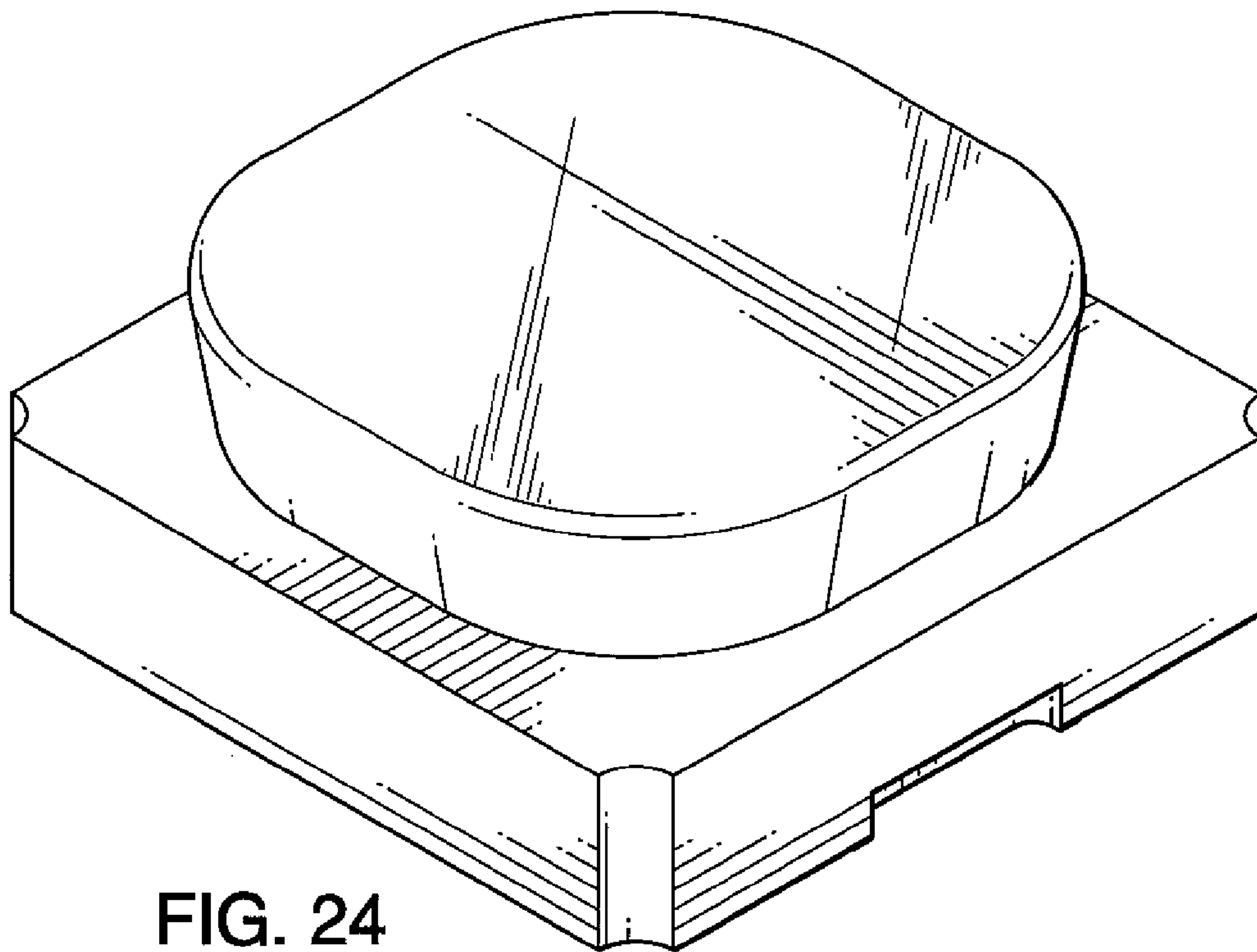


FIG. 24

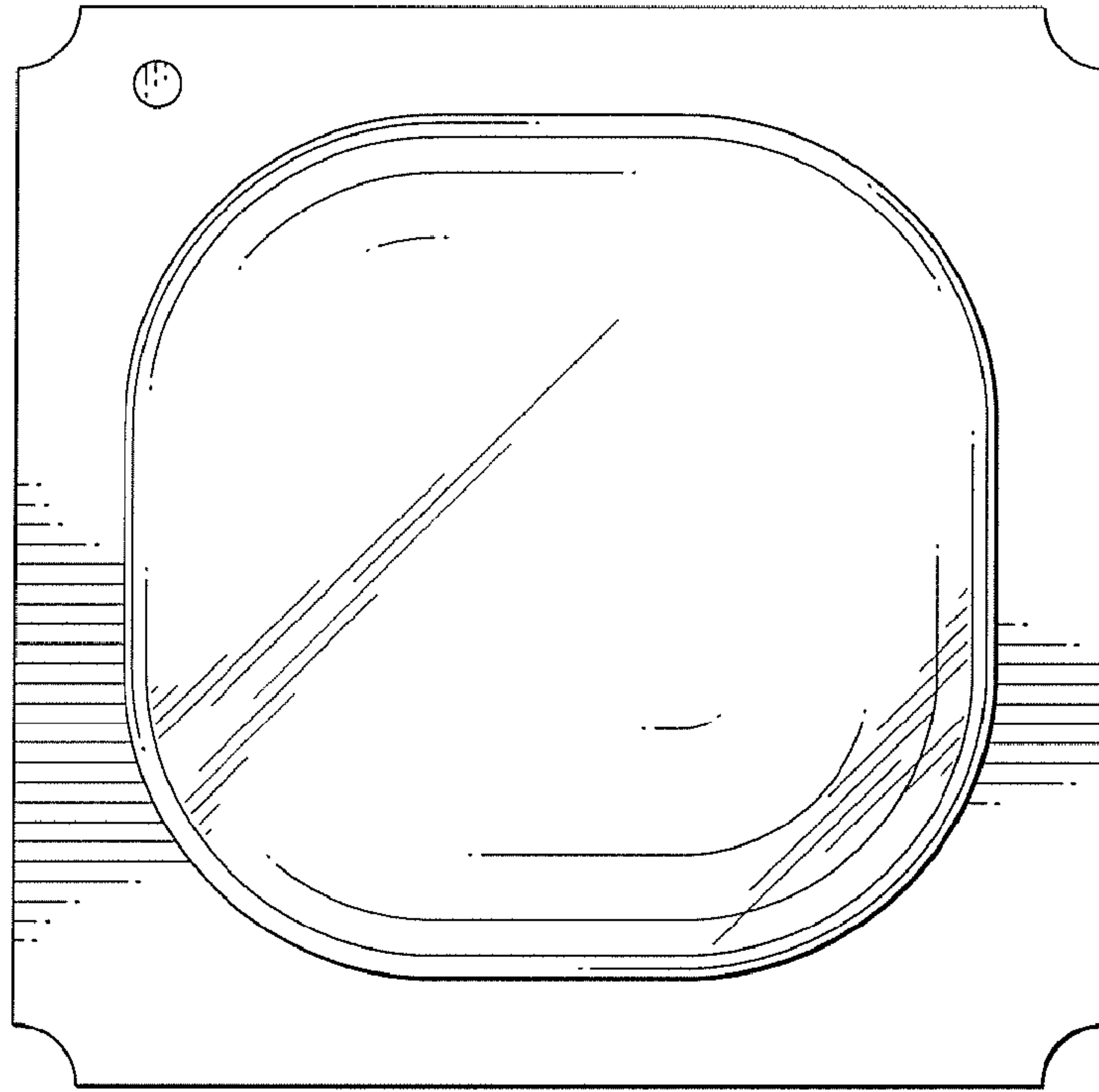


FIG. 25

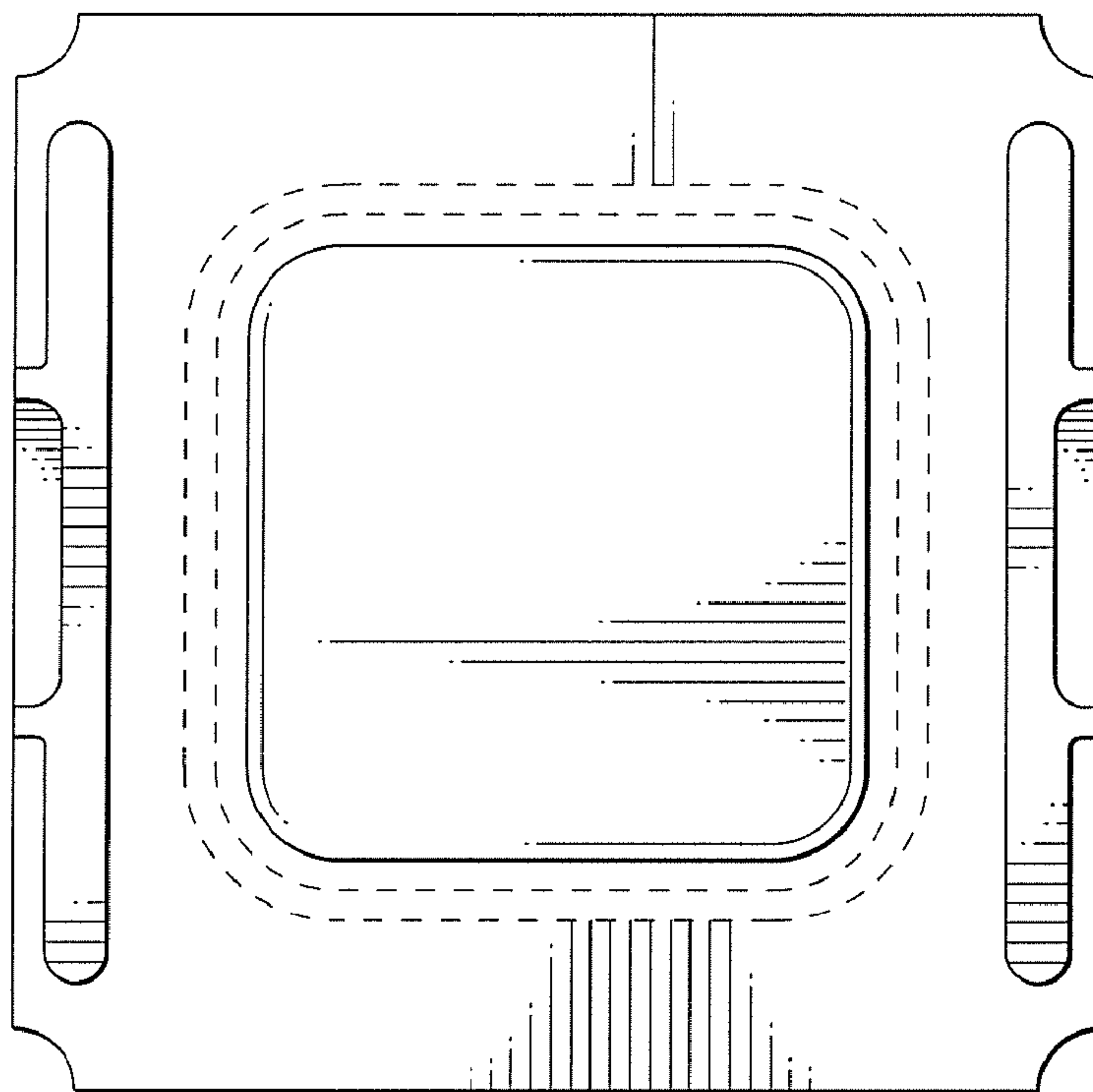


FIG. 26

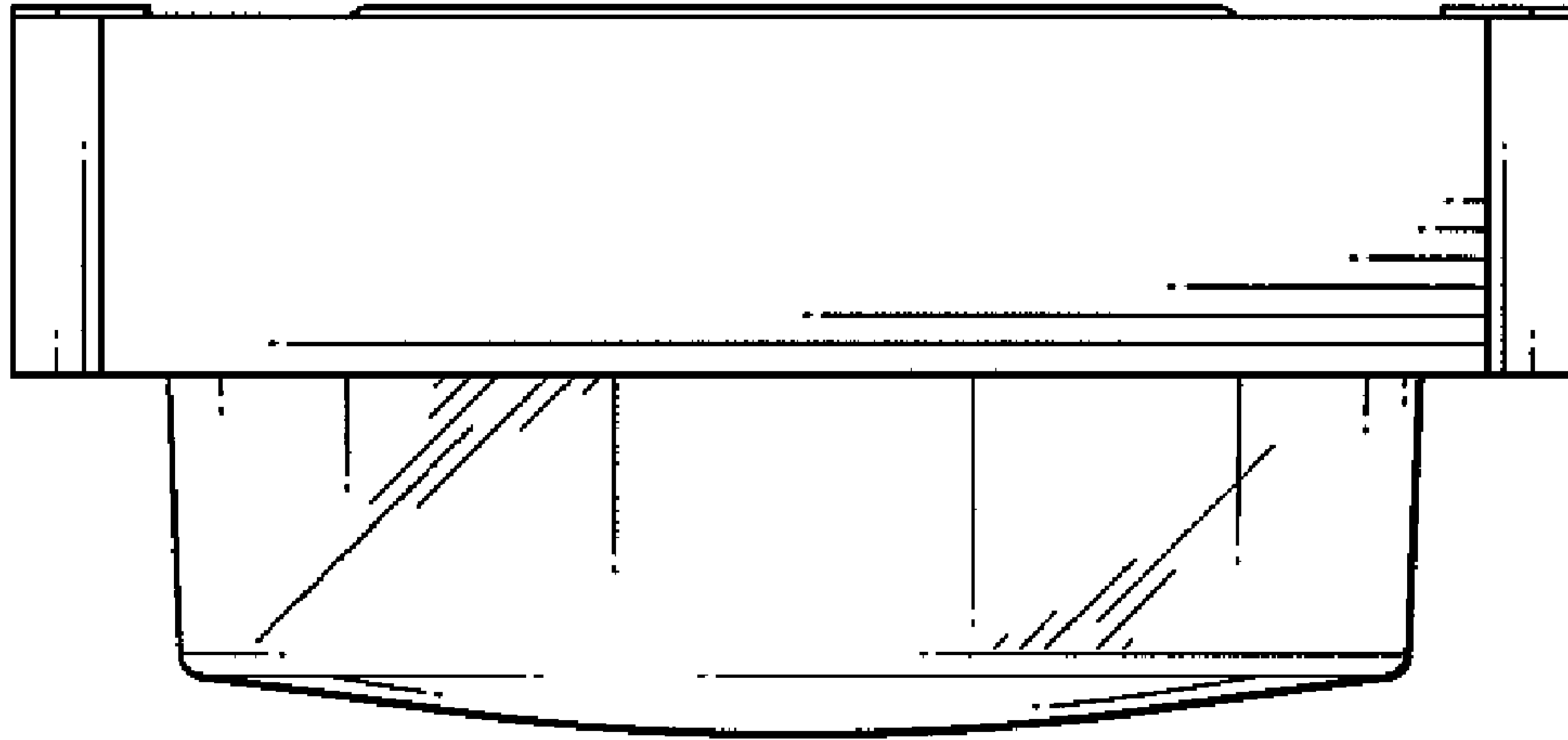


FIG. 27

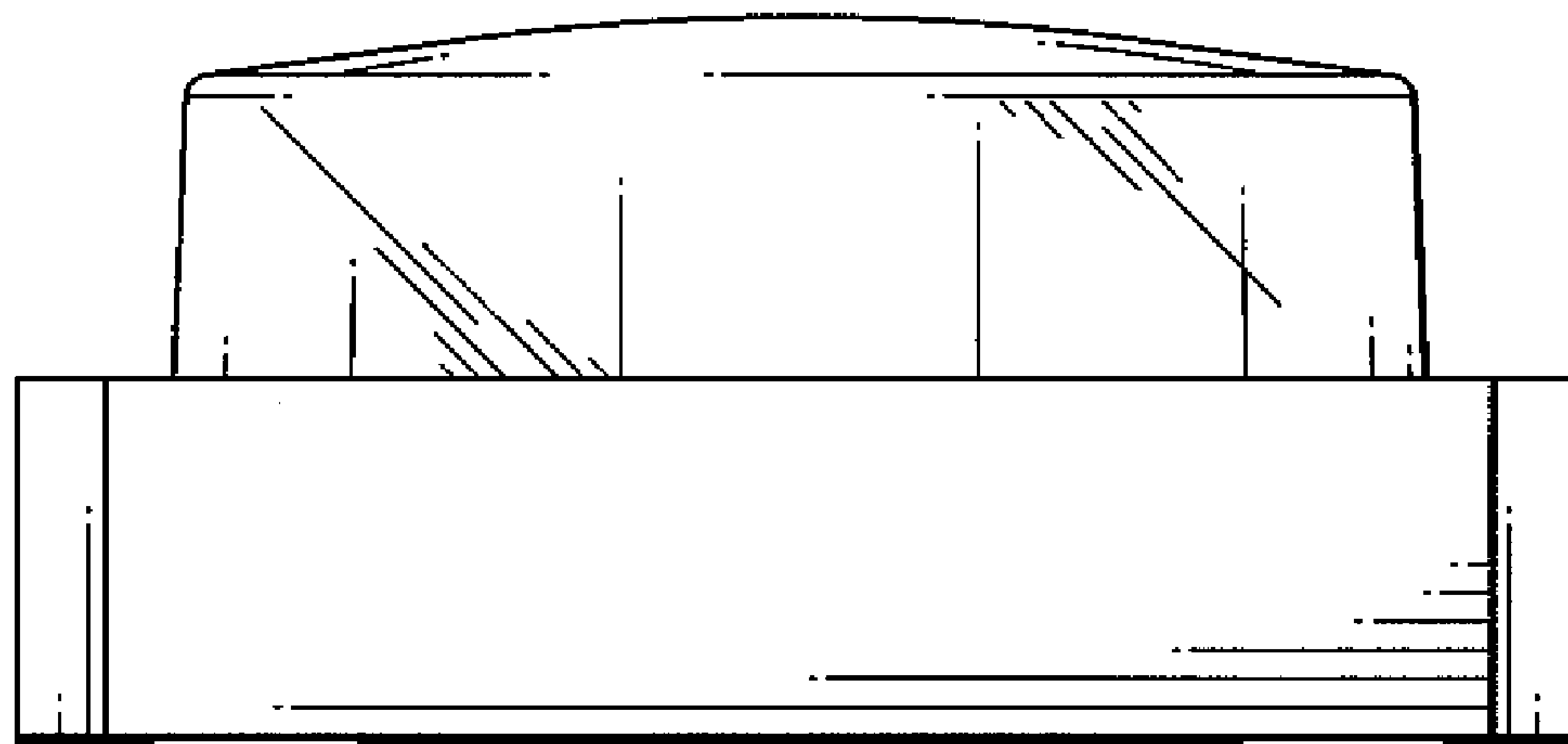


FIG. 28

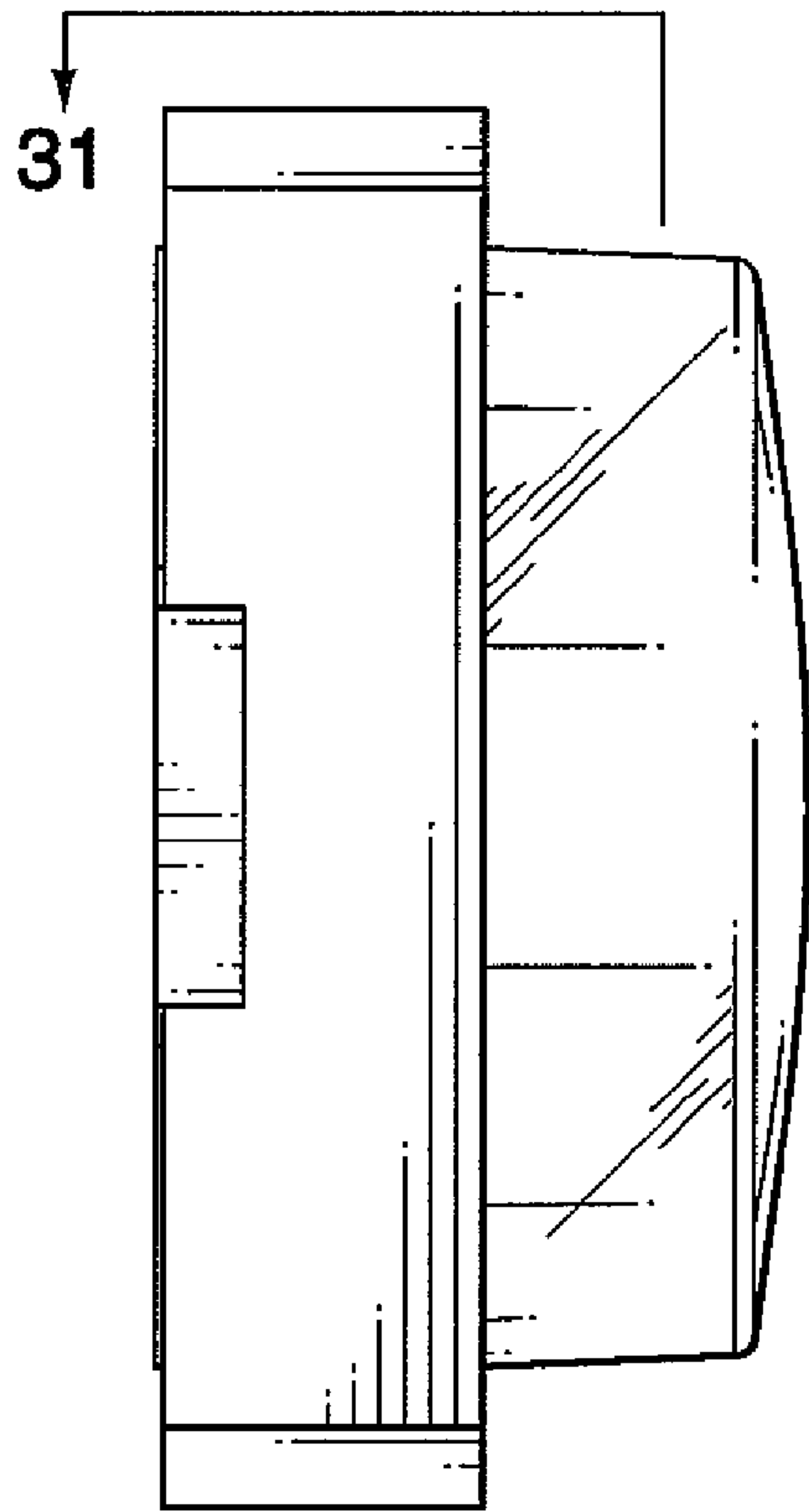


FIG. 29

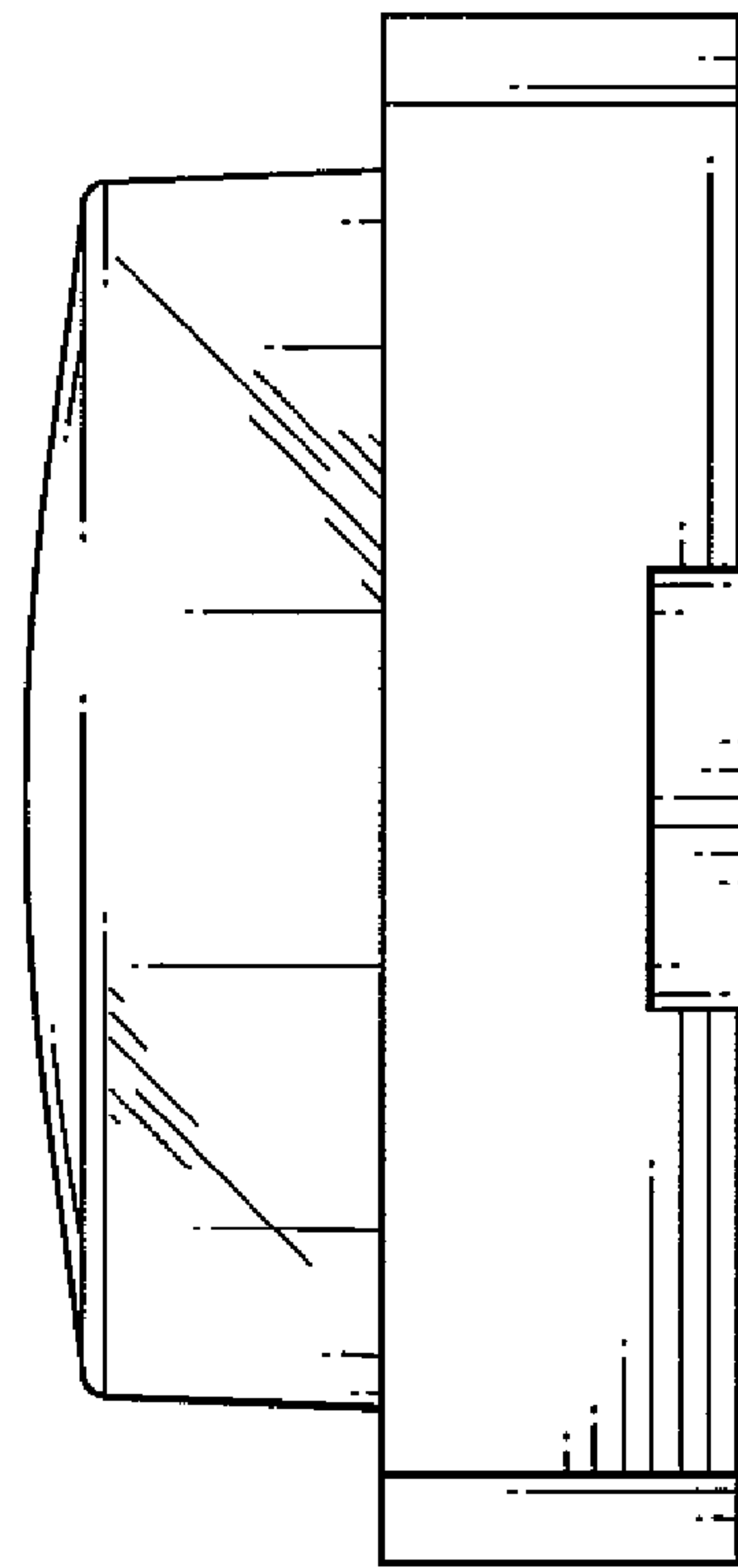
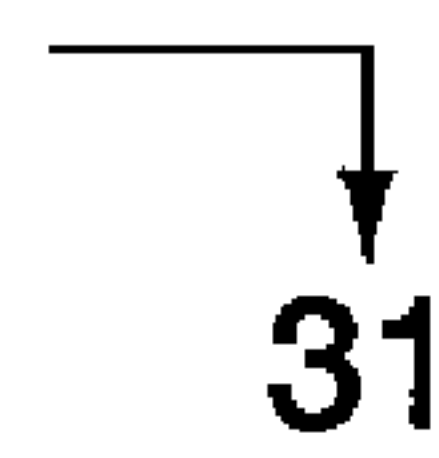


FIG. 30

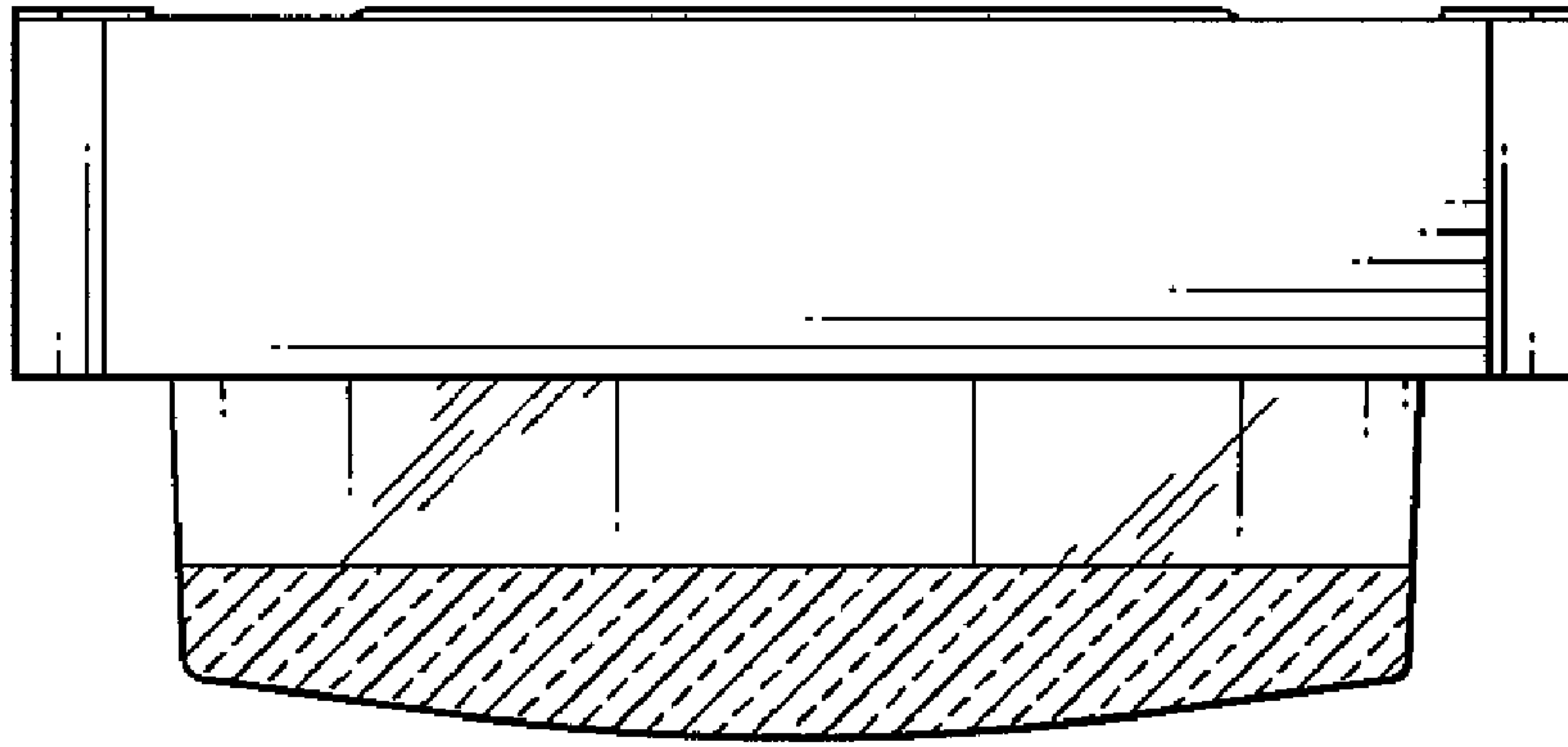


FIG. 31

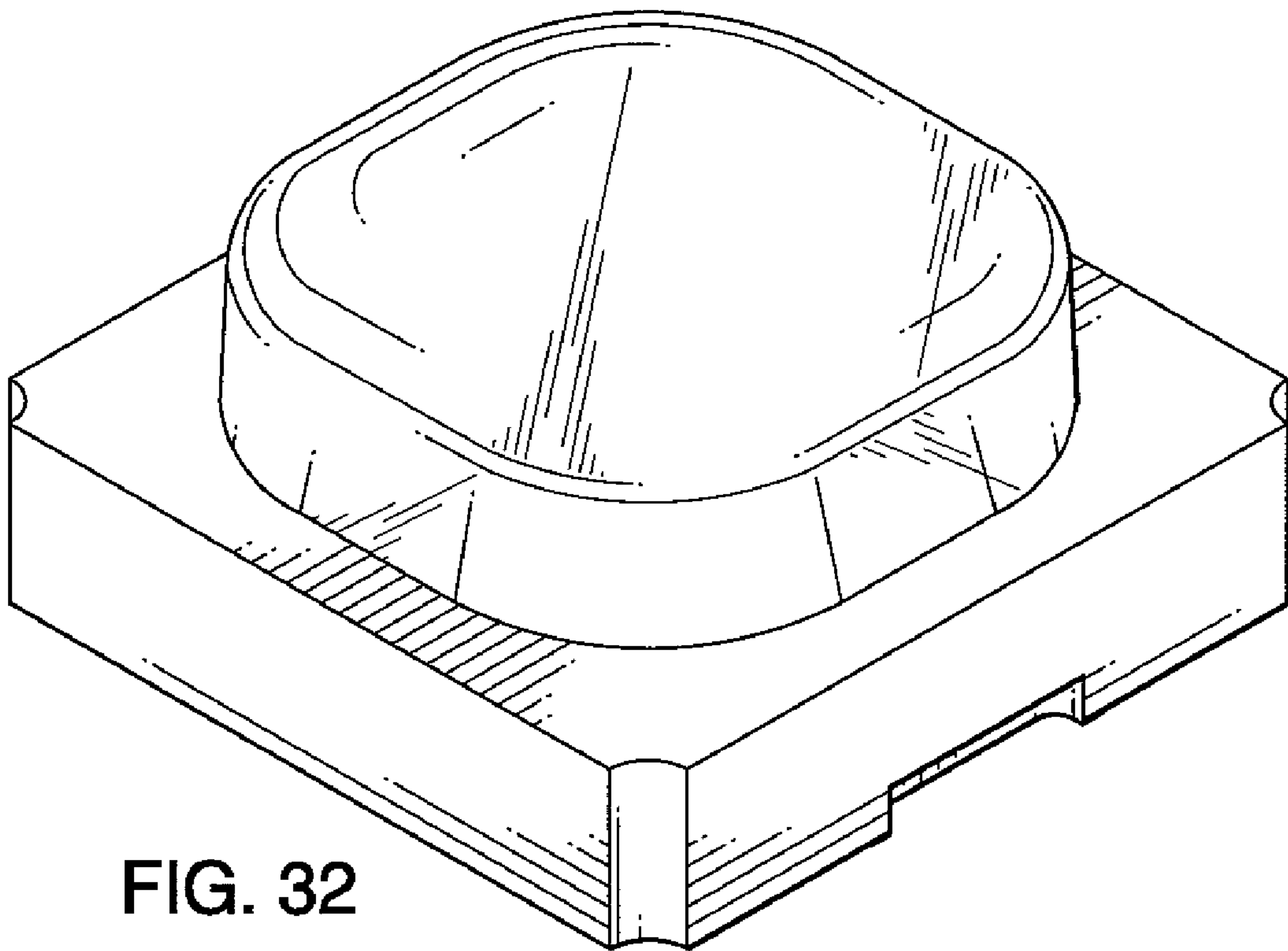


FIG. 32

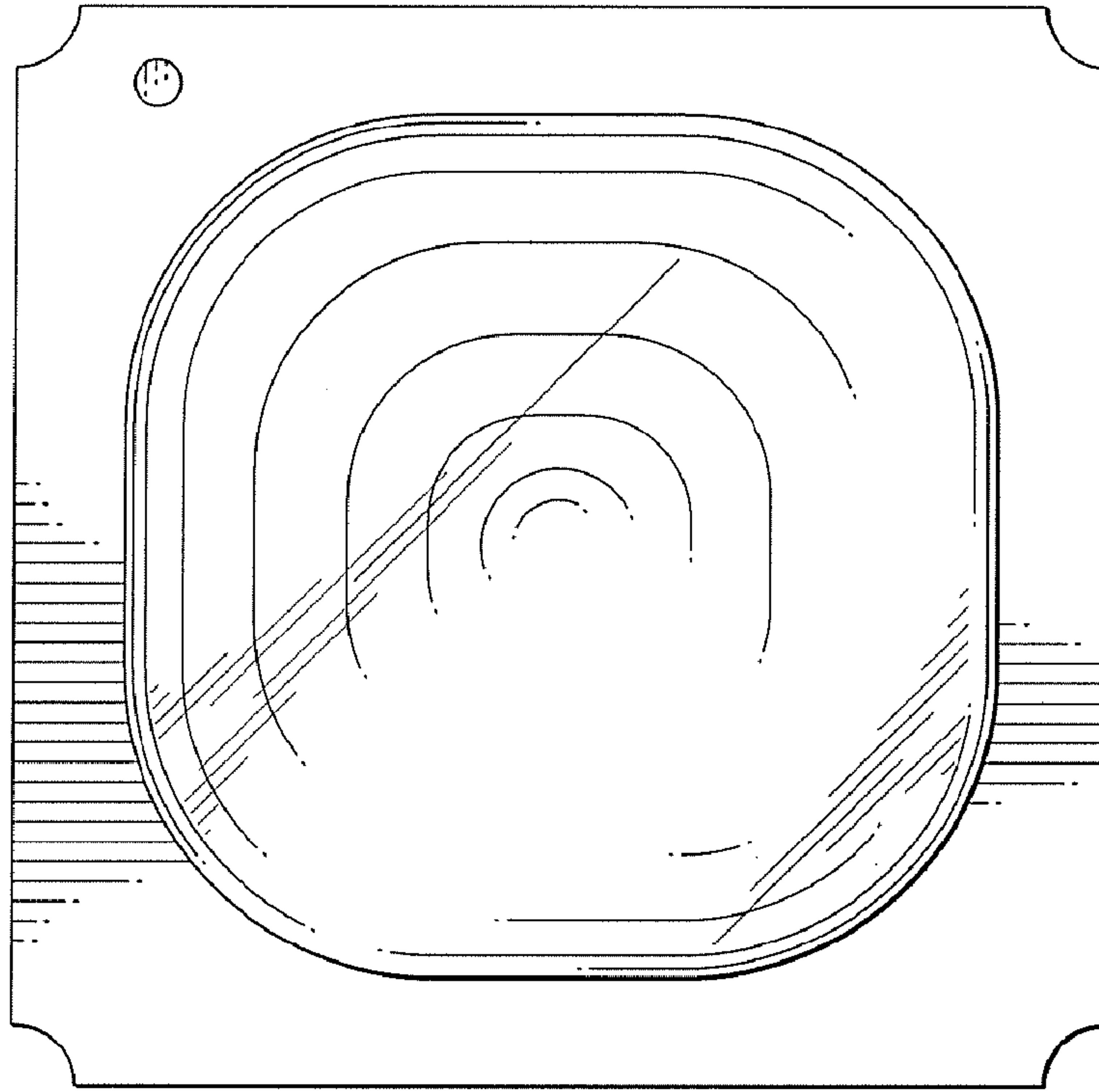


FIG. 33

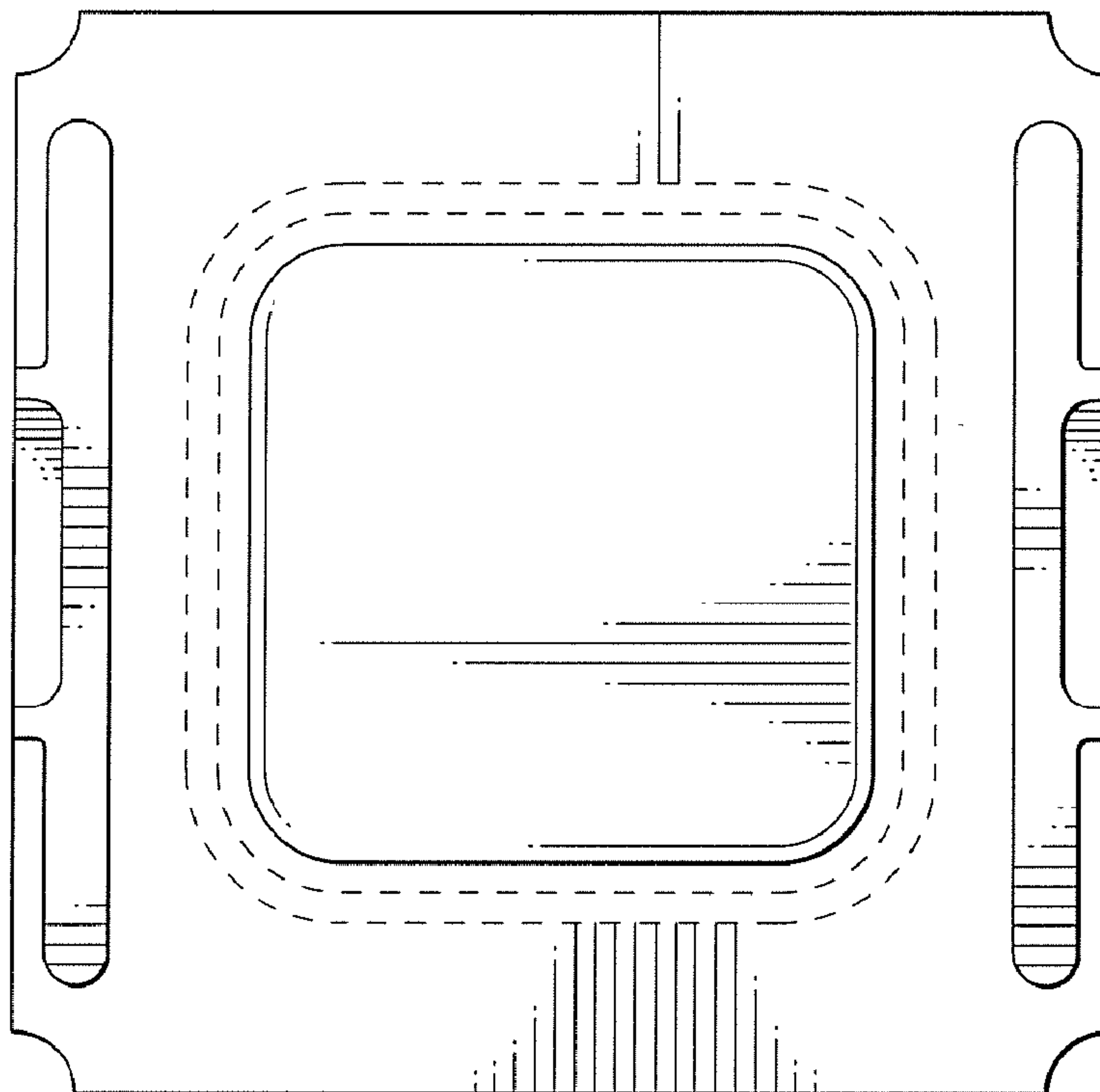


FIG. 34

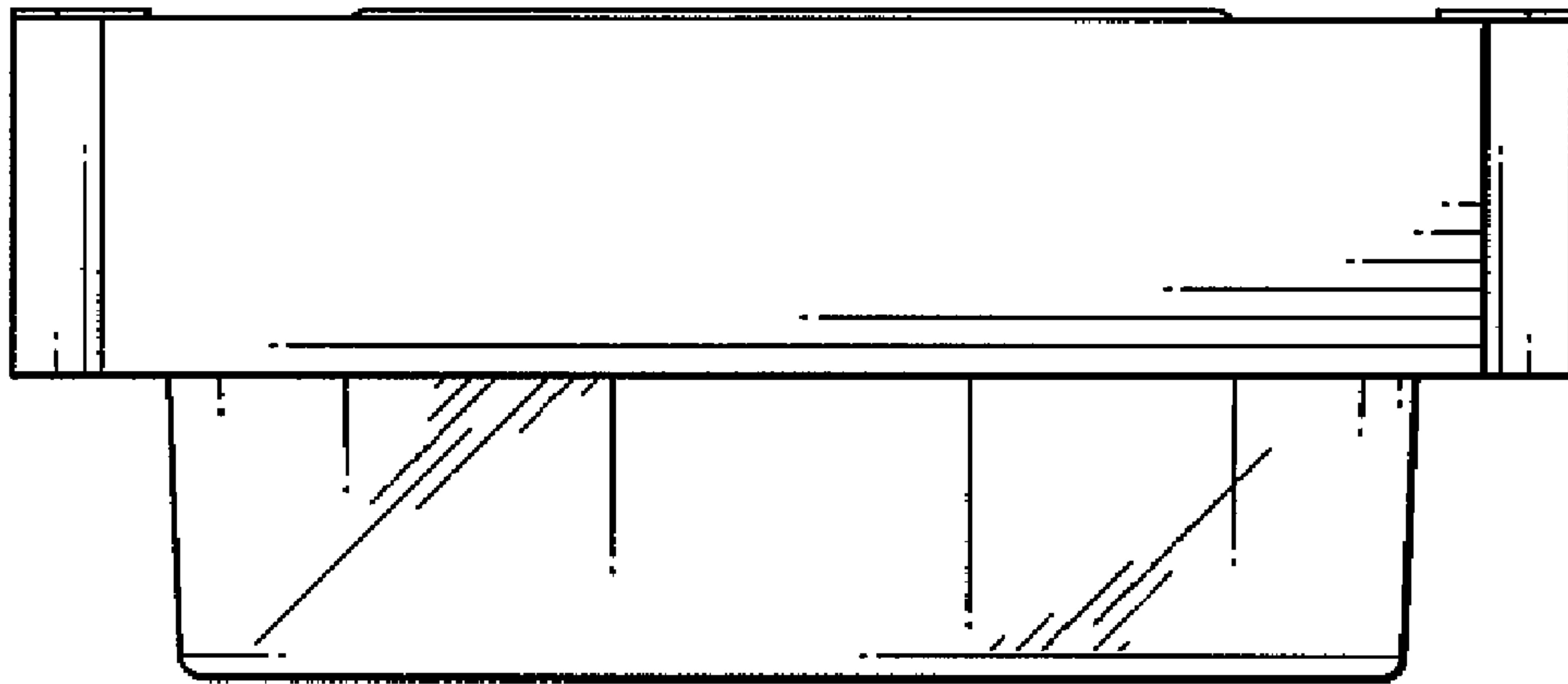


FIG. 35

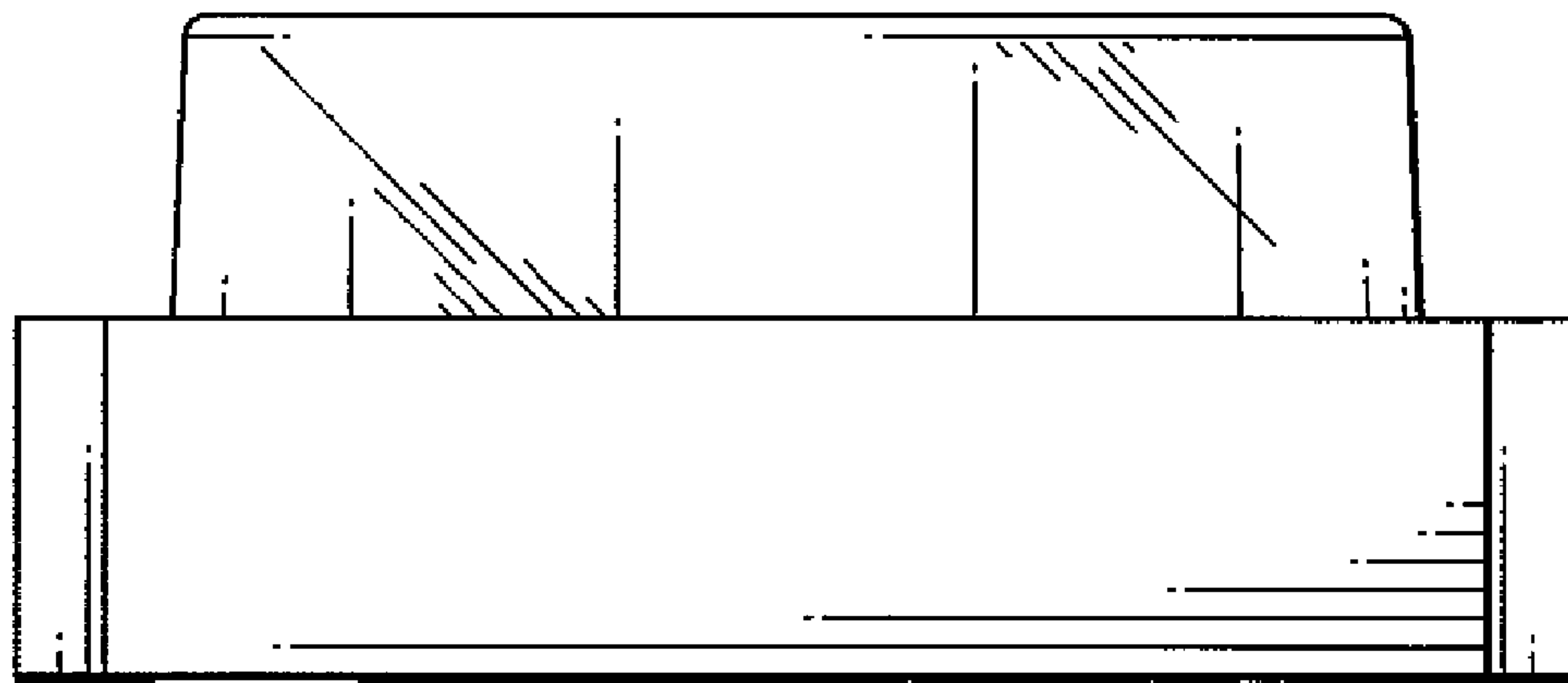


FIG. 36

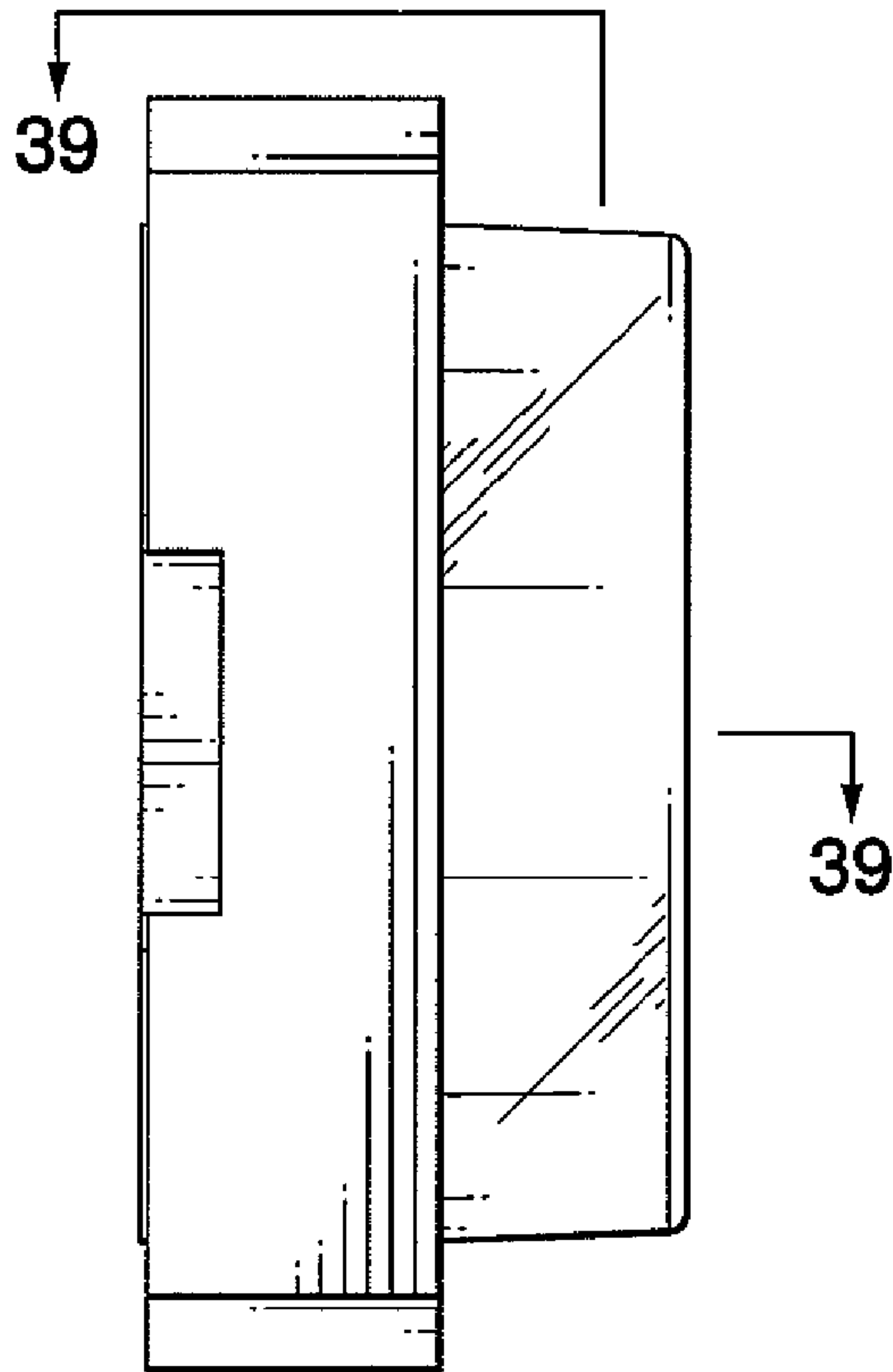


FIG. 37

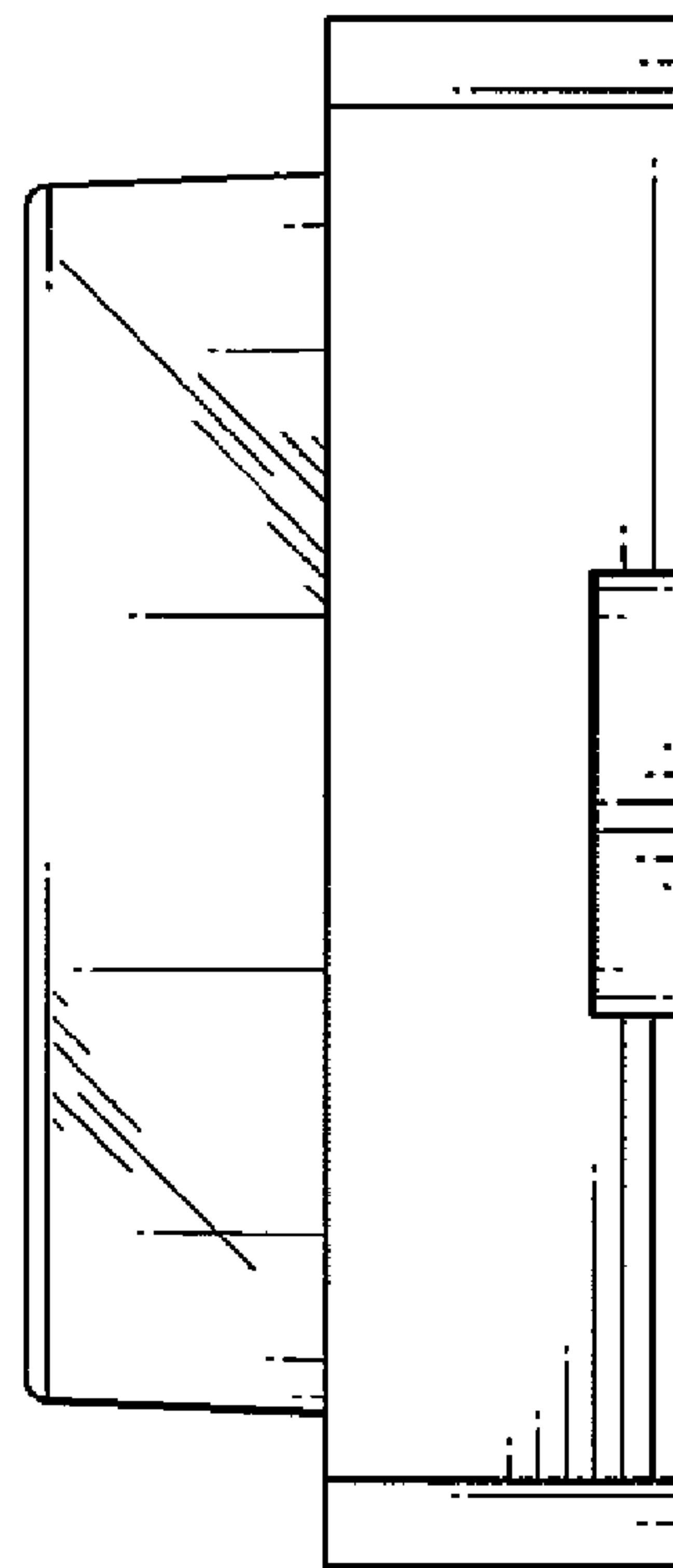


FIG. 38

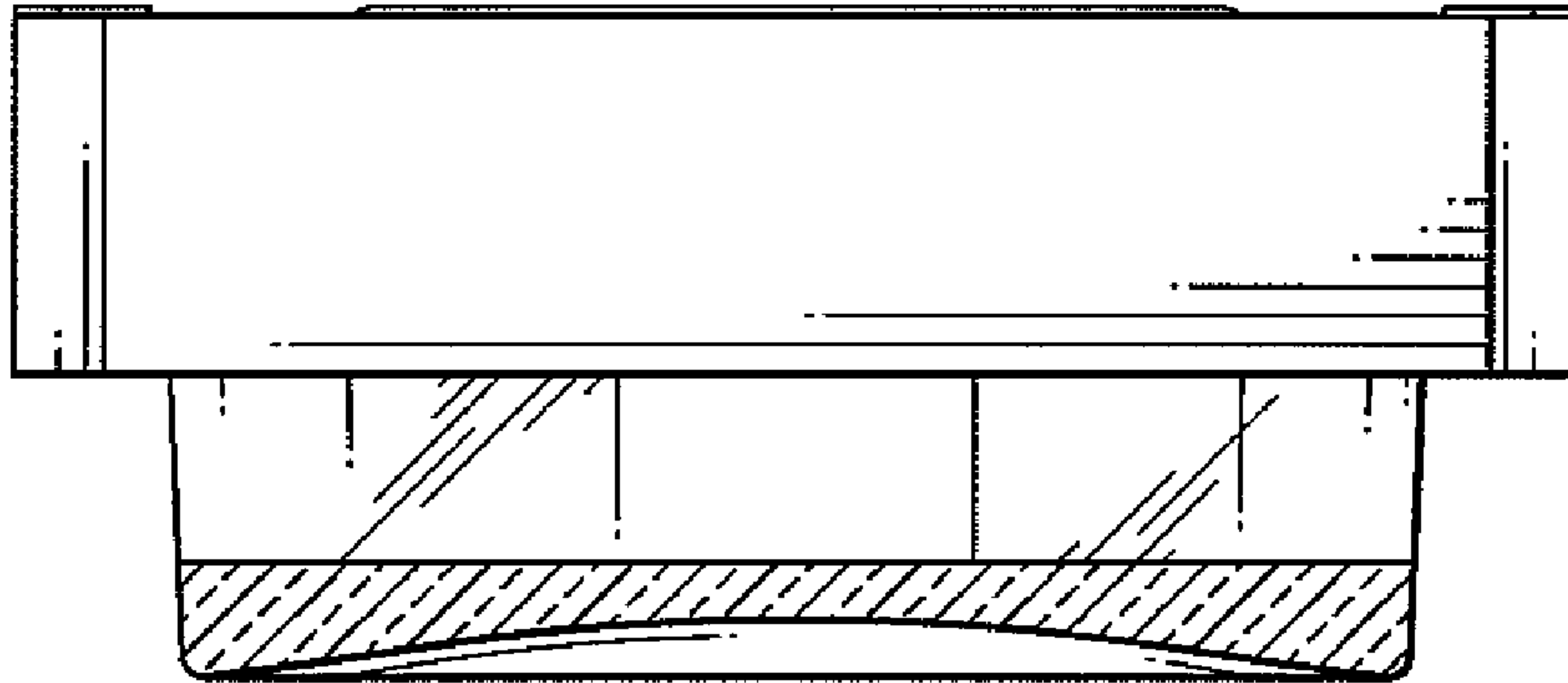


FIG. 39

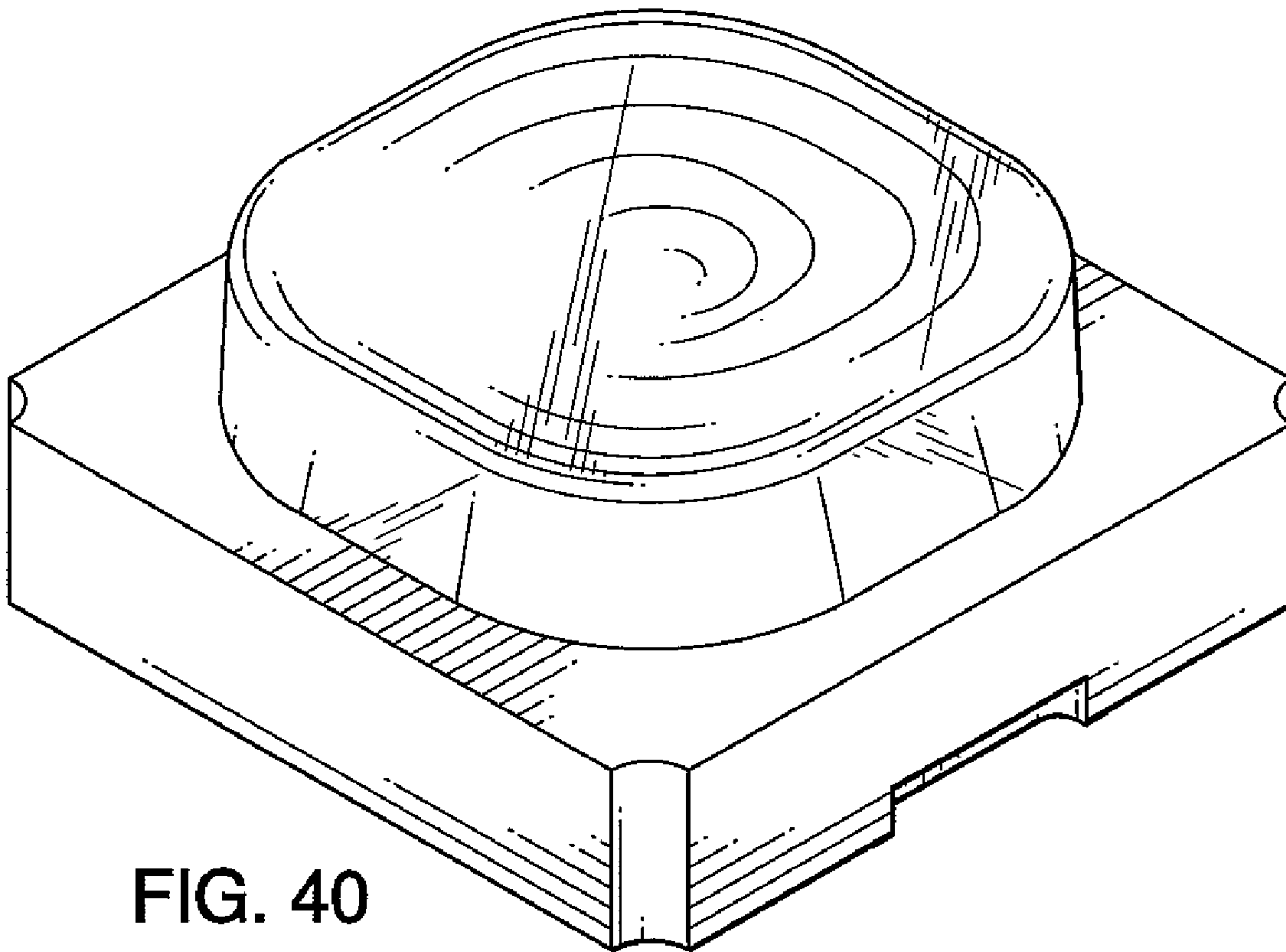


FIG. 40