US00D544847S

(12) **United States Design Patent** (10) **Patent No.: US D544,847 S**
Inoue (45) **Date of Patent: ** Jun. 19, 2007**

(54) **LIGHT EMITTING DIODE**

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(73) Assignee: **Rohm Co., Ltd.**, Kyoto (JP)

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

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(22) Filed: **Apr. 19, 2005**

(30) **Foreign Application Priority Data**

Oct. 19, 2004 (JP) 2004-031745
Oct. 19, 2004 (JP) 2004-031746
Oct. 19, 2004 (JP) 2004-031747
Oct. 19, 2004 (JP) 2004-031748
Oct. 19, 2004 (JP) 2004-031754
Oct. 19, 2004 (JP) 2004-031755
Oct. 19, 2004 (JP) 2004-031756
Oct. 19, 2004 (JP) 2004-031757

(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, 82, 88, 89, 95, 98, 257/99, 100, 678, 680, 433, 434, 666; 313/483, 313/498, 500; 361/820; 362/235, 249, 555, 362/800; 372/45.01
See application file for complete search history.

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(74) *Attorney, Agent, or Firm*—Hamre, Schumann, Mueller & Larson, P.C.

(57) **CLAIM**

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

DESCRIPTION

FIG. **1** is a front view of a light emitting diode showing a first embodiment of my new design, the rear being a mirror image thereof;
FIG. **2** is a top plan view thereof;
FIG. **3** is a right side view, the left side view being a mirror image thereof;
FIG. **4** is a bottom view thereof;
FIG. **5** is a sectional view taken along line **5—5** in FIG. **2**; and
FIG. **6** is a perspective view thereof;
FIG. **7** is a front view of a light emitting diode showing a second embodiment, the rear being a mirror image thereof;
FIG. **8** is a top plan view thereof;
FIG. **9** is a right side view, the left side view being a mirror image thereof;
FIG. **10** is a bottom view thereof;
FIG. **11** is a sectional view taken along line **11—11** in FIG. **8**; and
FIG. **12** is a perspective view thereof;
FIG. **13** is a front view of a light emitting diode showing a third embodiment, the rear being a mirror image thereof;
FIG. **14** is a top plan view thereof;
FIG. **15** is a right side view, the left side view being a mirror image thereof;
FIG. **16** is a bottom view thereof;
FIG. **17** is a sectional view taken along line **17—17** in FIG. **14**; and
FIG. **18** is a perspective view thereof;

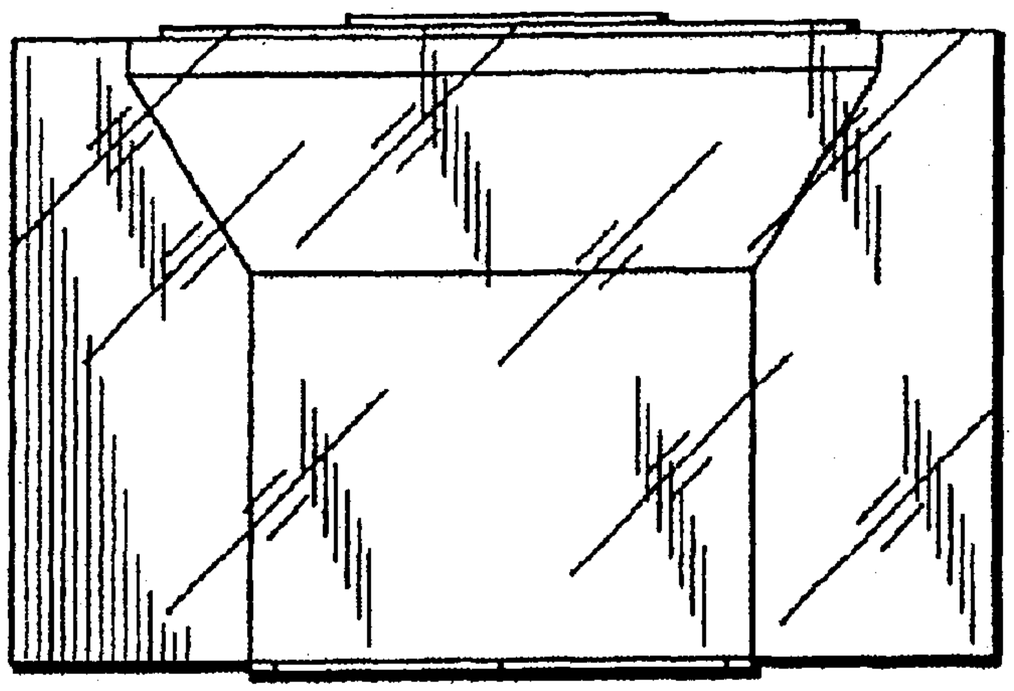


FIG. **19** is a front view of a light emitting diode showing a fourth embodiment, the rear being a mirror image thereof;
FIG. **20** is a top plan view thereof;
FIG. **21** is a right side view, the left side view being a mirror image thereof;
FIG. **22** is a bottom view thereof;
FIG. **23** is a sectional view taken along line **23**—**23** in FIG. **20**; and
FIG. **24** is a perspective view thereof;
FIG. **25** is a front view of a light emitting diode showing a fifth embodiment, the rear being a mirror image thereof;
FIG. **26** is a top plan view thereof;
FIG. **27** is a right side view, the left side view being a mirror image thereof;
FIG. **28** is a bottom view thereof;
FIG. **29** is a sectional view taken along line **29**—**29** in FIG. **26**; and
FIG. **30** is a perspective view thereof;
FIG. **31** is a front view of a light emitting diode showing a sixth embodiment of my new design, the rear being a mirror image thereof;
FIG. **32** is a top plan view thereof;
FIG. **33** is a right side view, the left side view being a mirror image thereof;
FIG. **34** is a bottom view thereof;
FIG. **35** is a sectional view taken along line **35**—**35** in FIG. **32**; and,
FIG. **36** is a perspective view thereof.

1 Claim, 18 Drawing Sheets

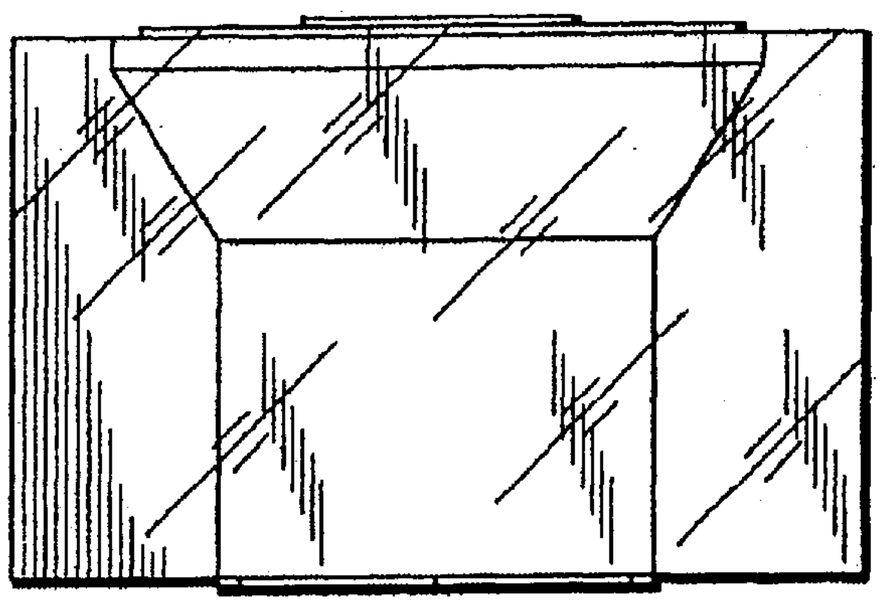


FIG.1

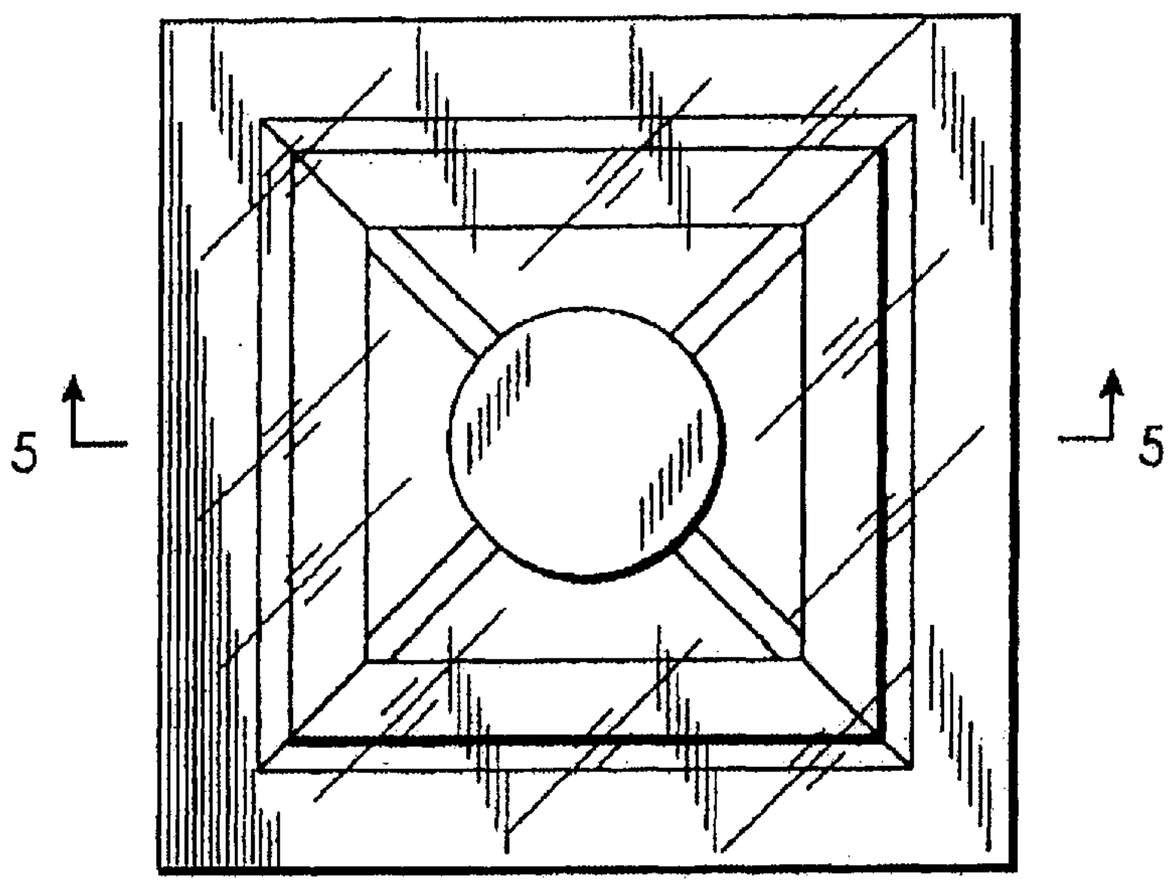


FIG.2

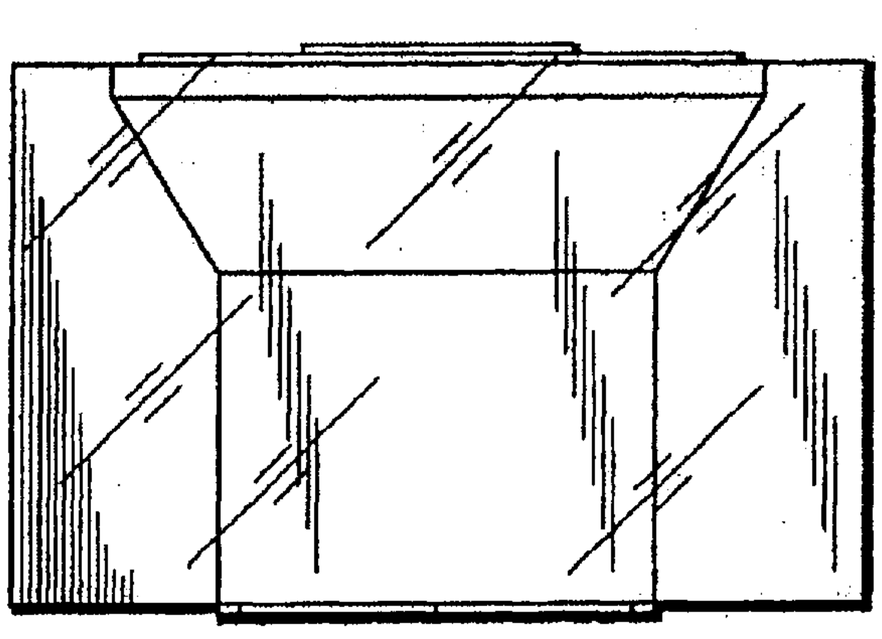


FIG.3

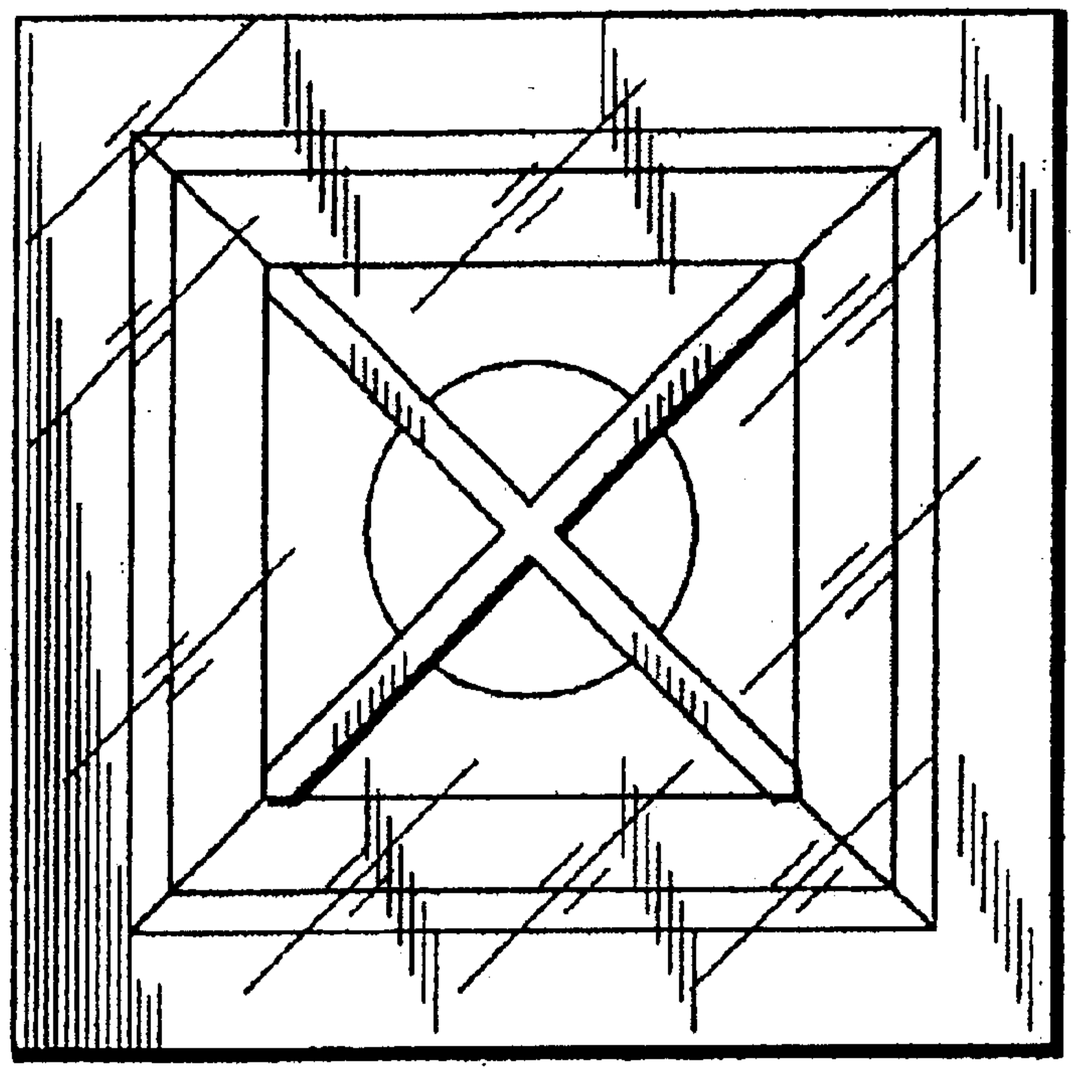


FIG.4

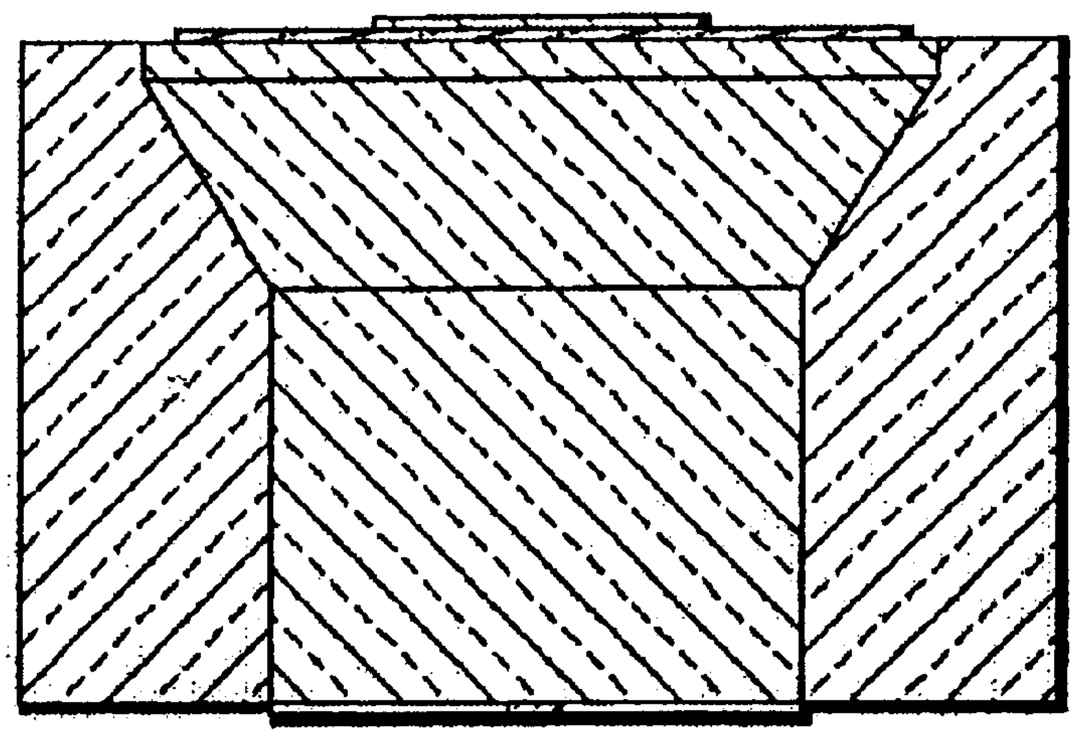


FIG.5

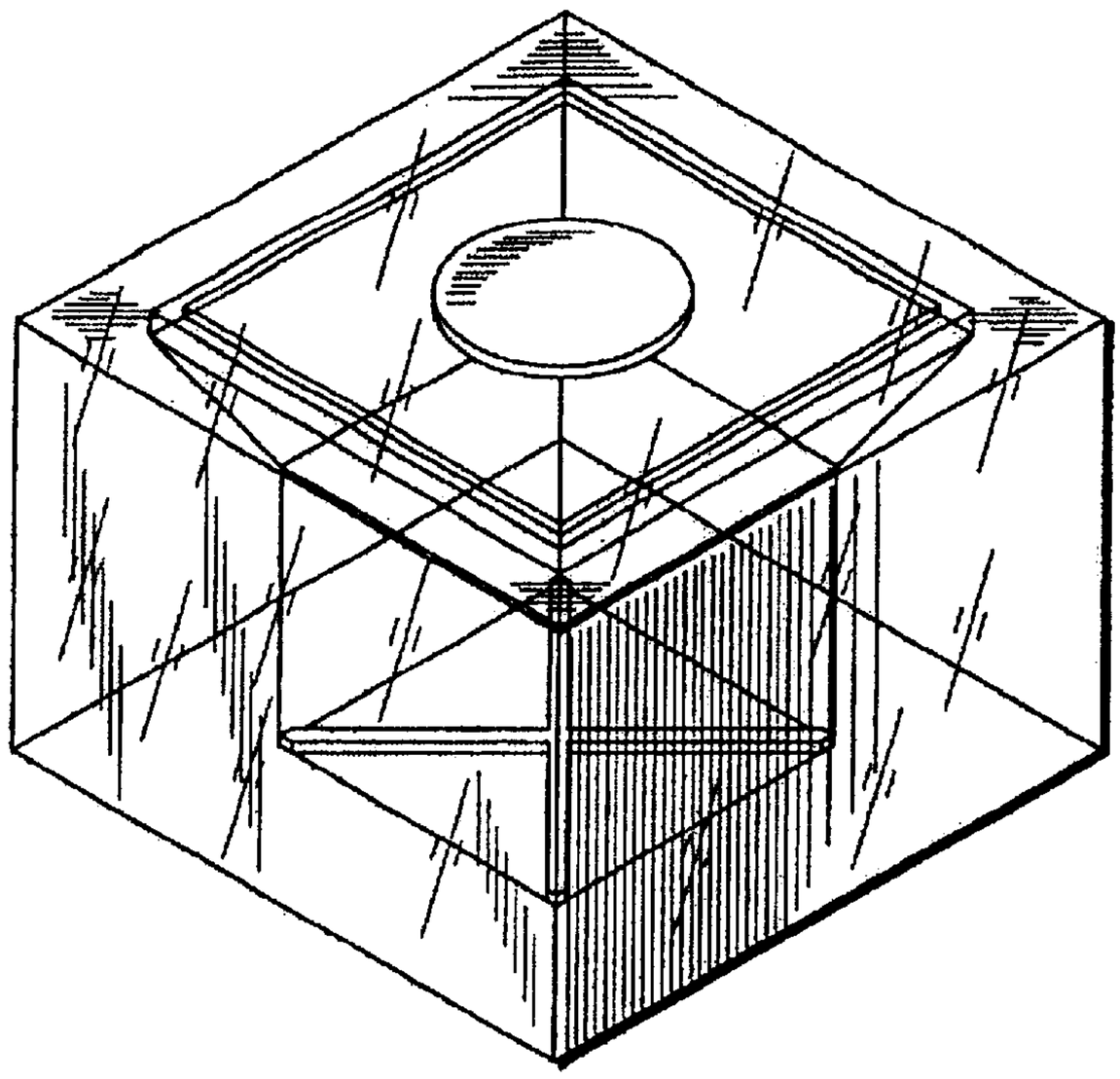


FIG.6

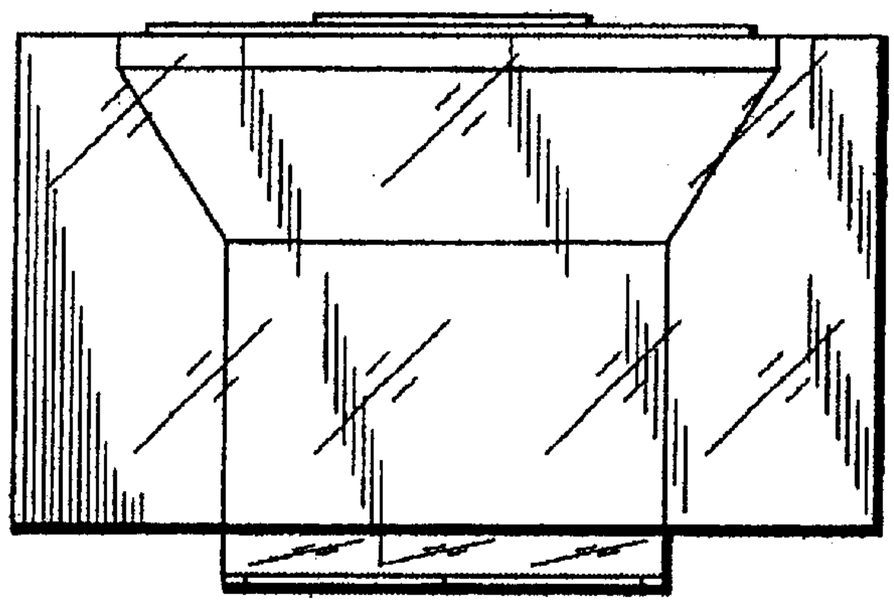


FIG.7

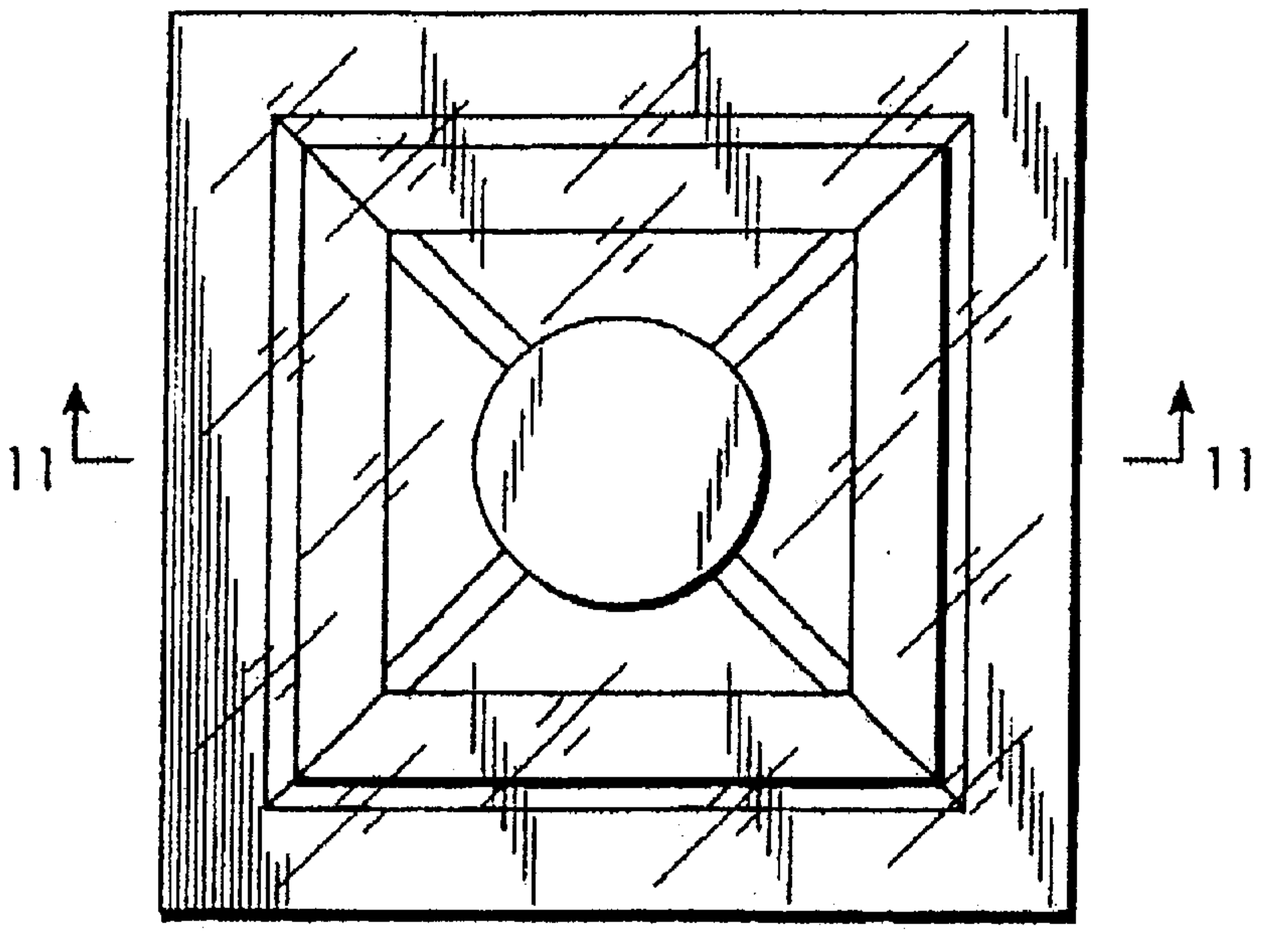


FIG.8

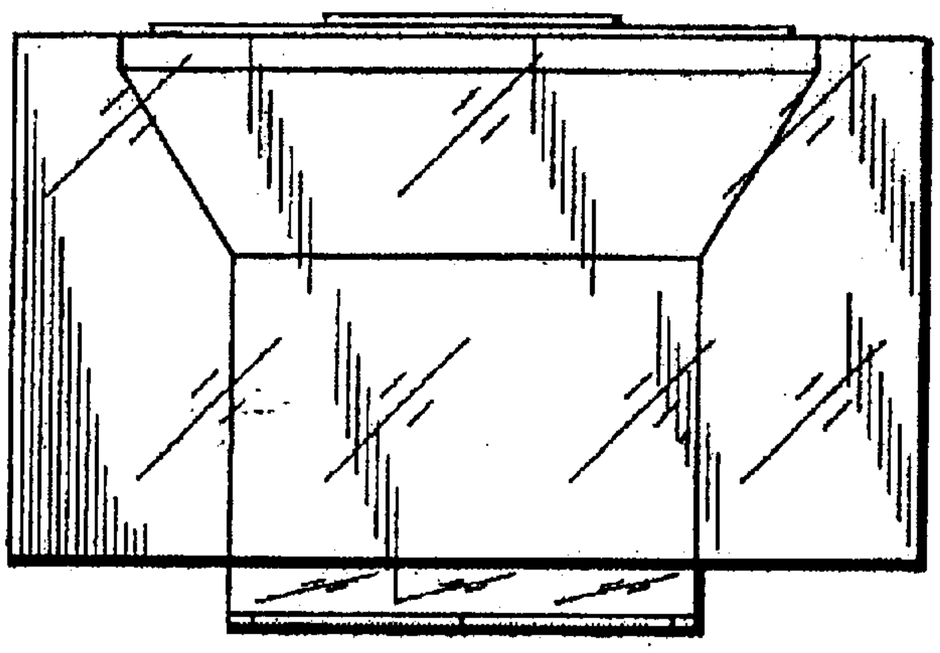


FIG.9

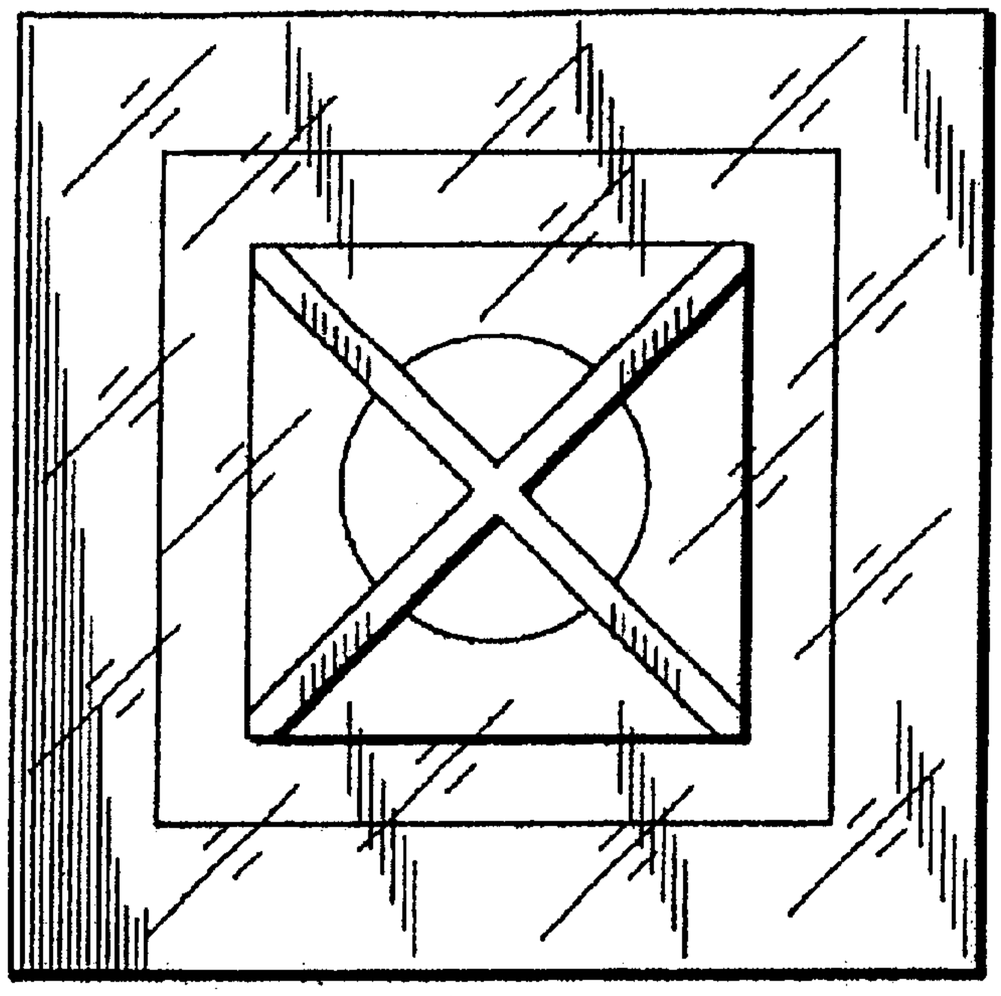


FIG.10

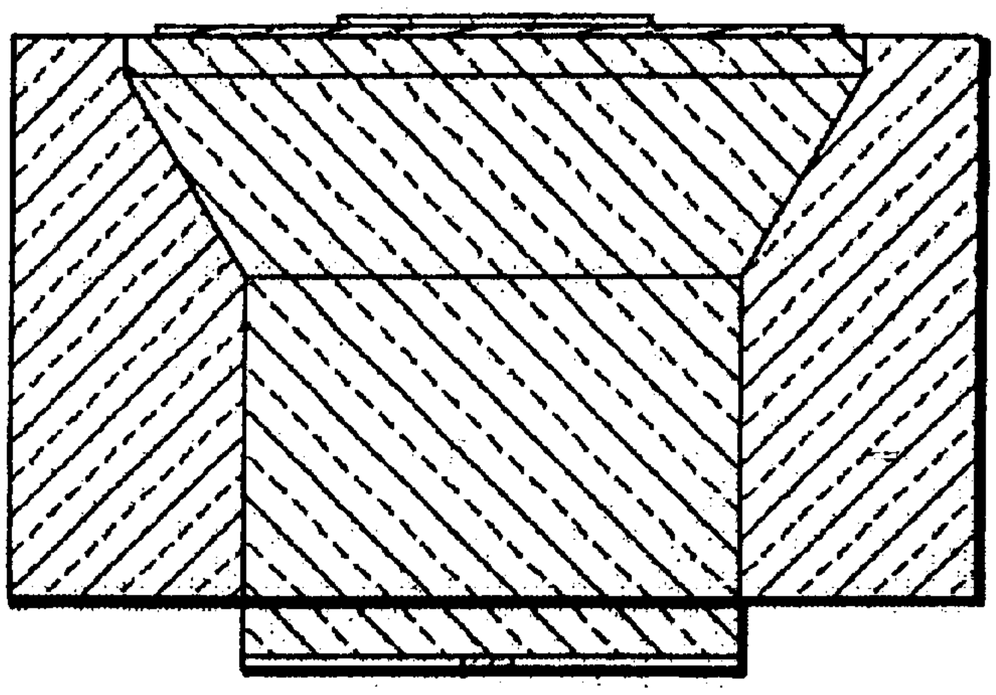


FIG.11

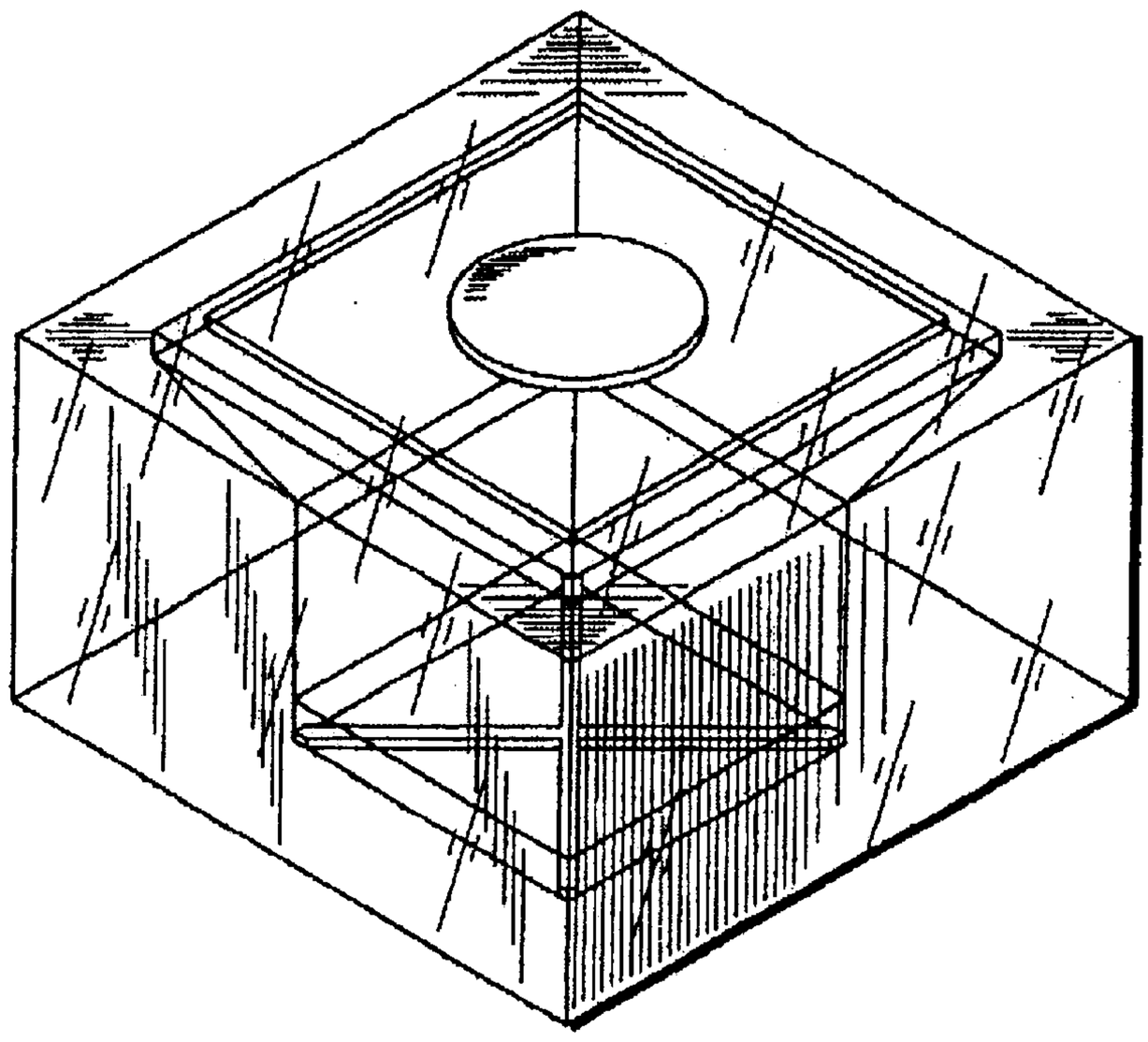


FIG.12

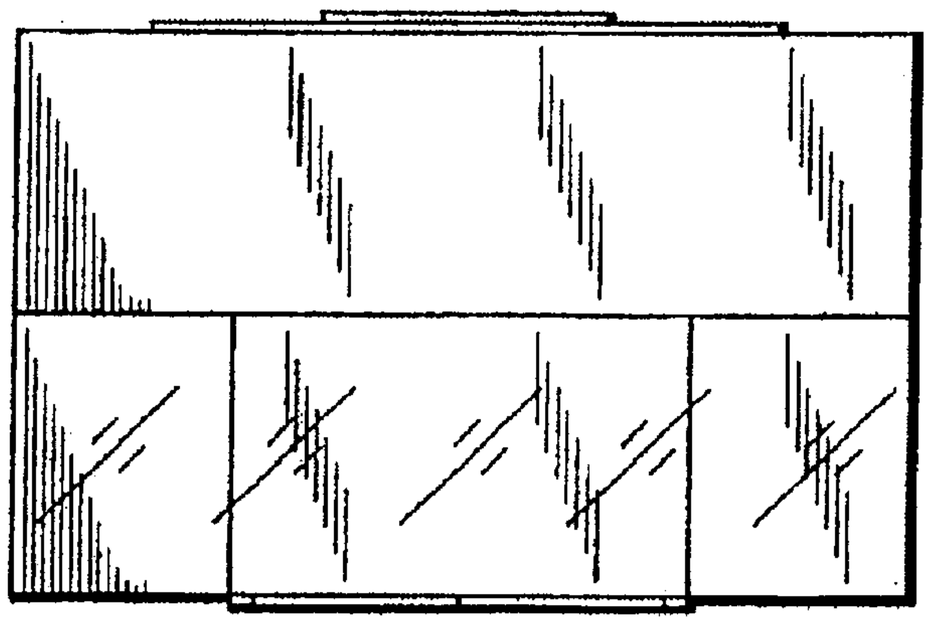


FIG.13

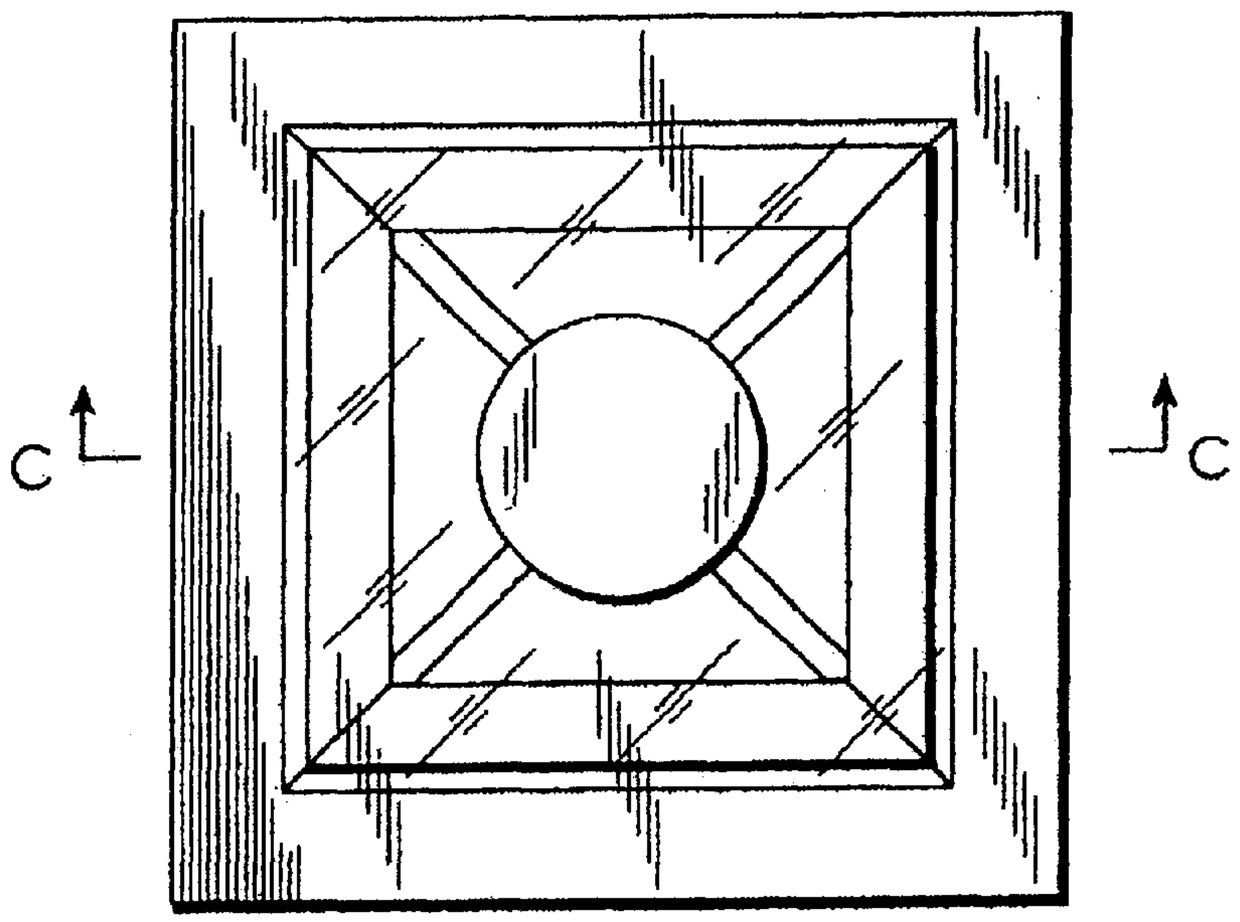


FIG.14

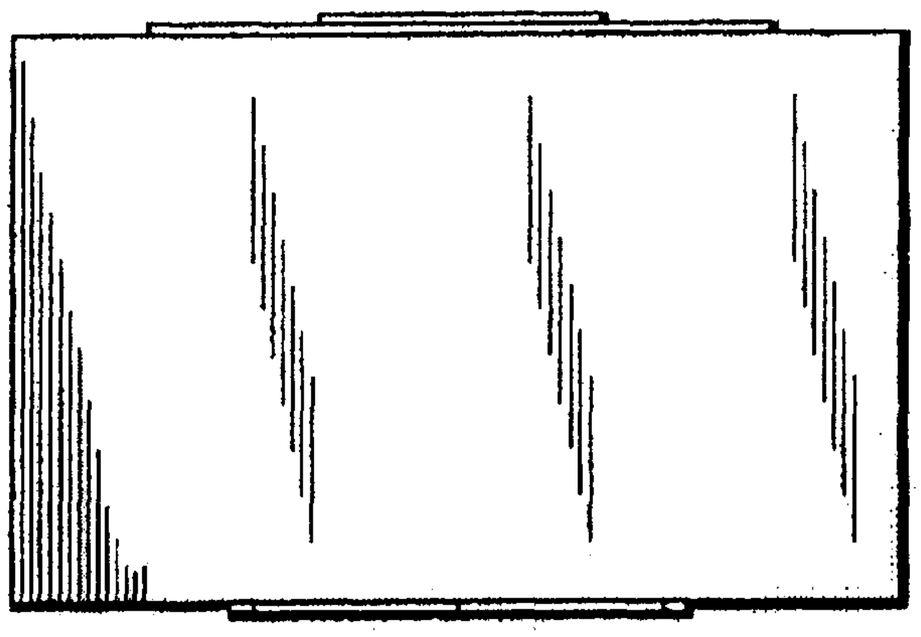


FIG.15

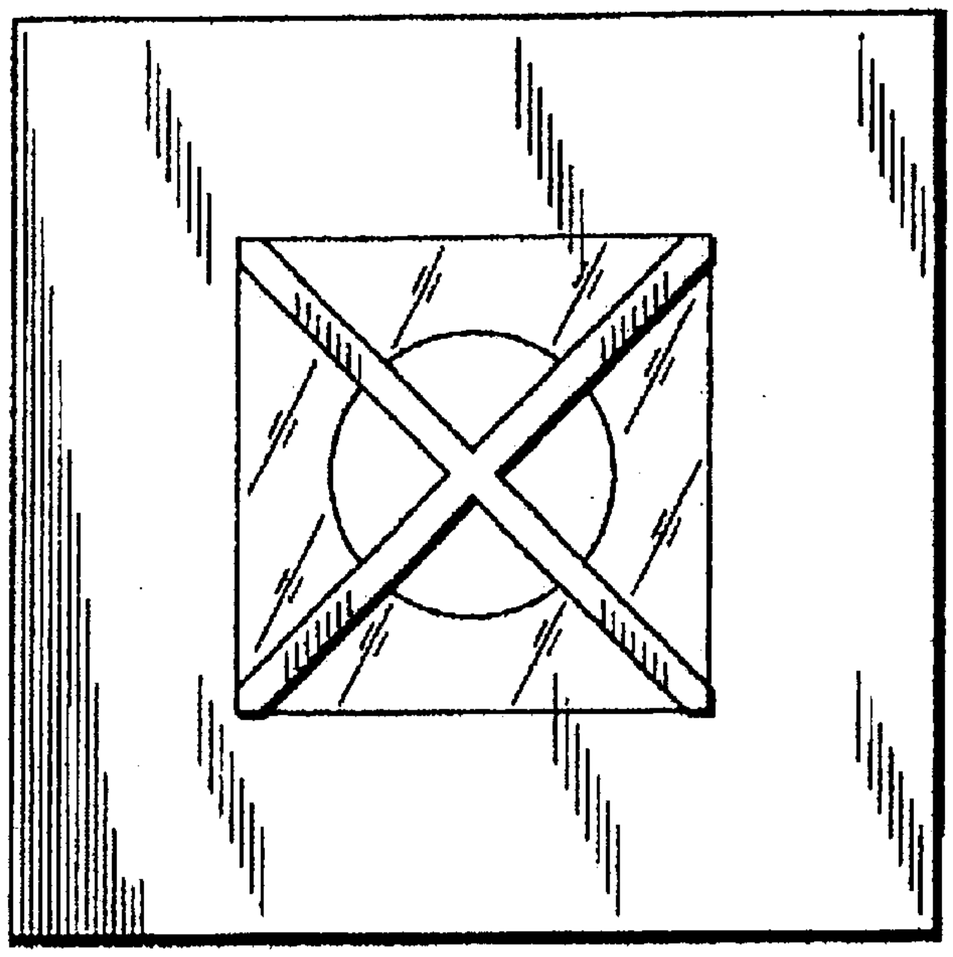


FIG.16

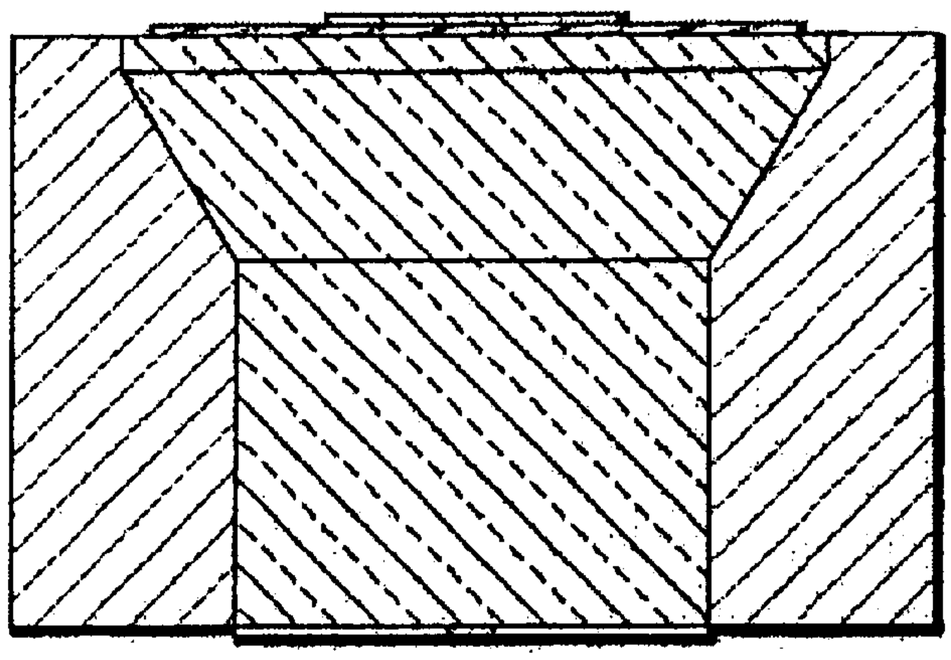


FIG.17

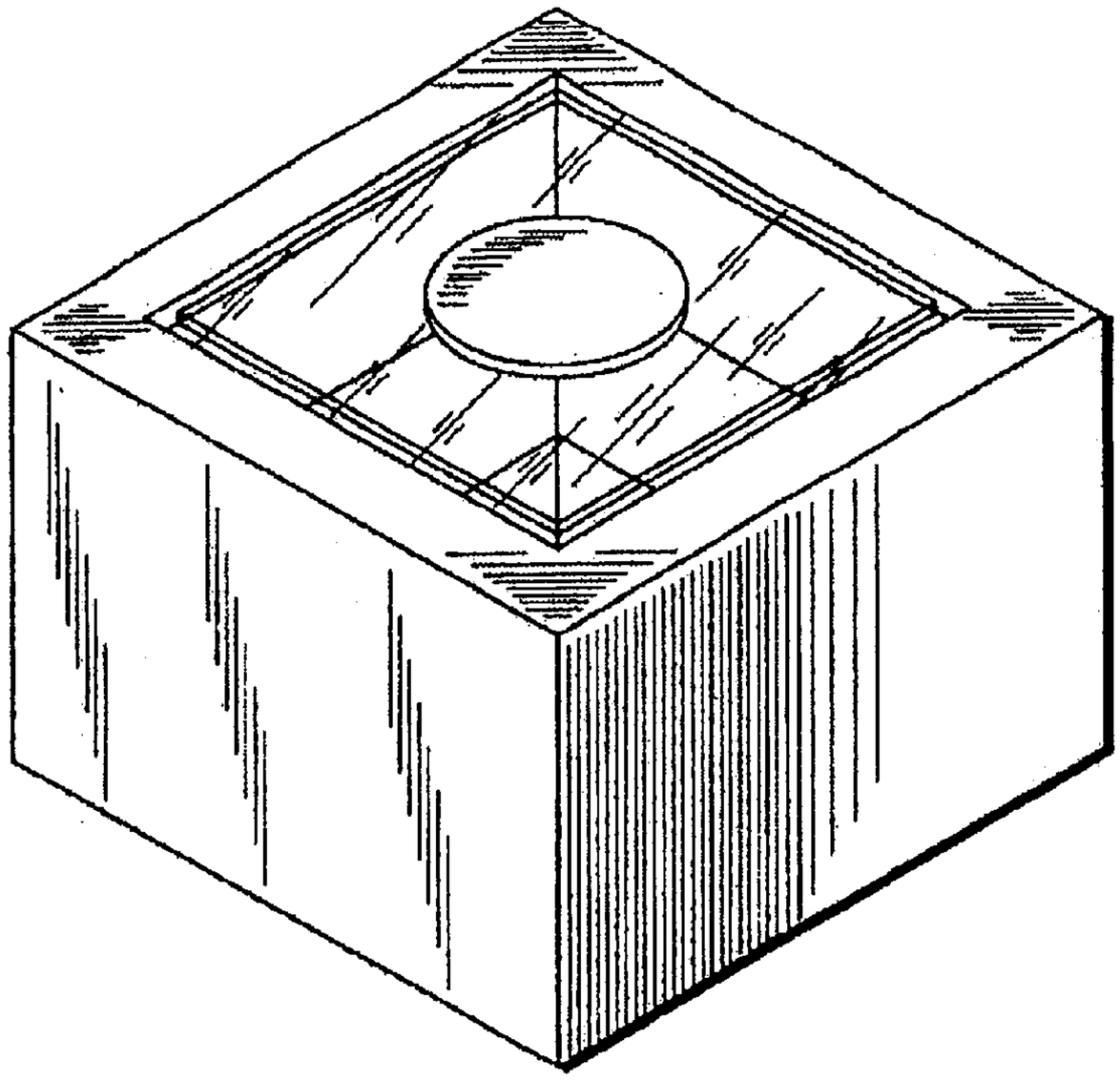


FIG.18

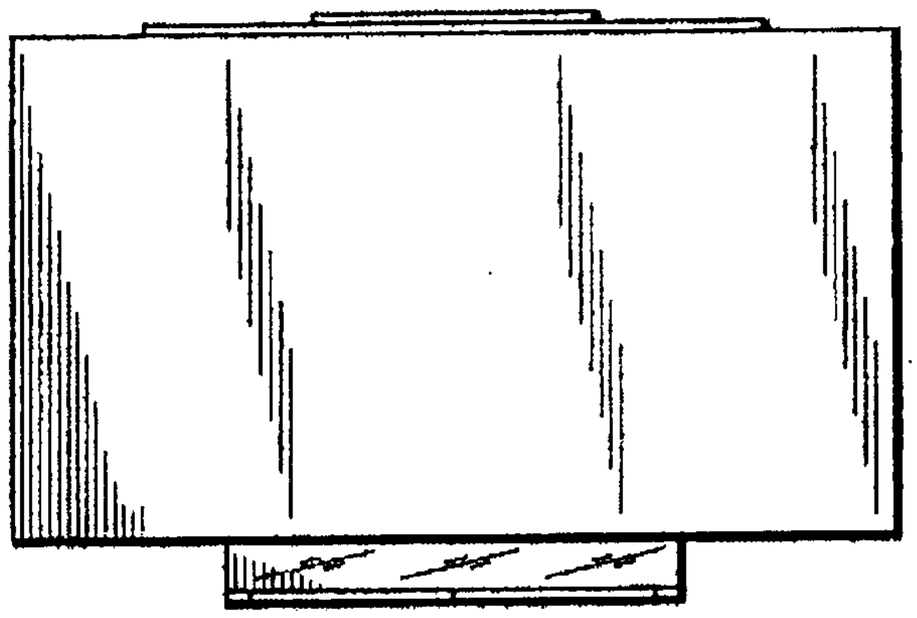


FIG.19

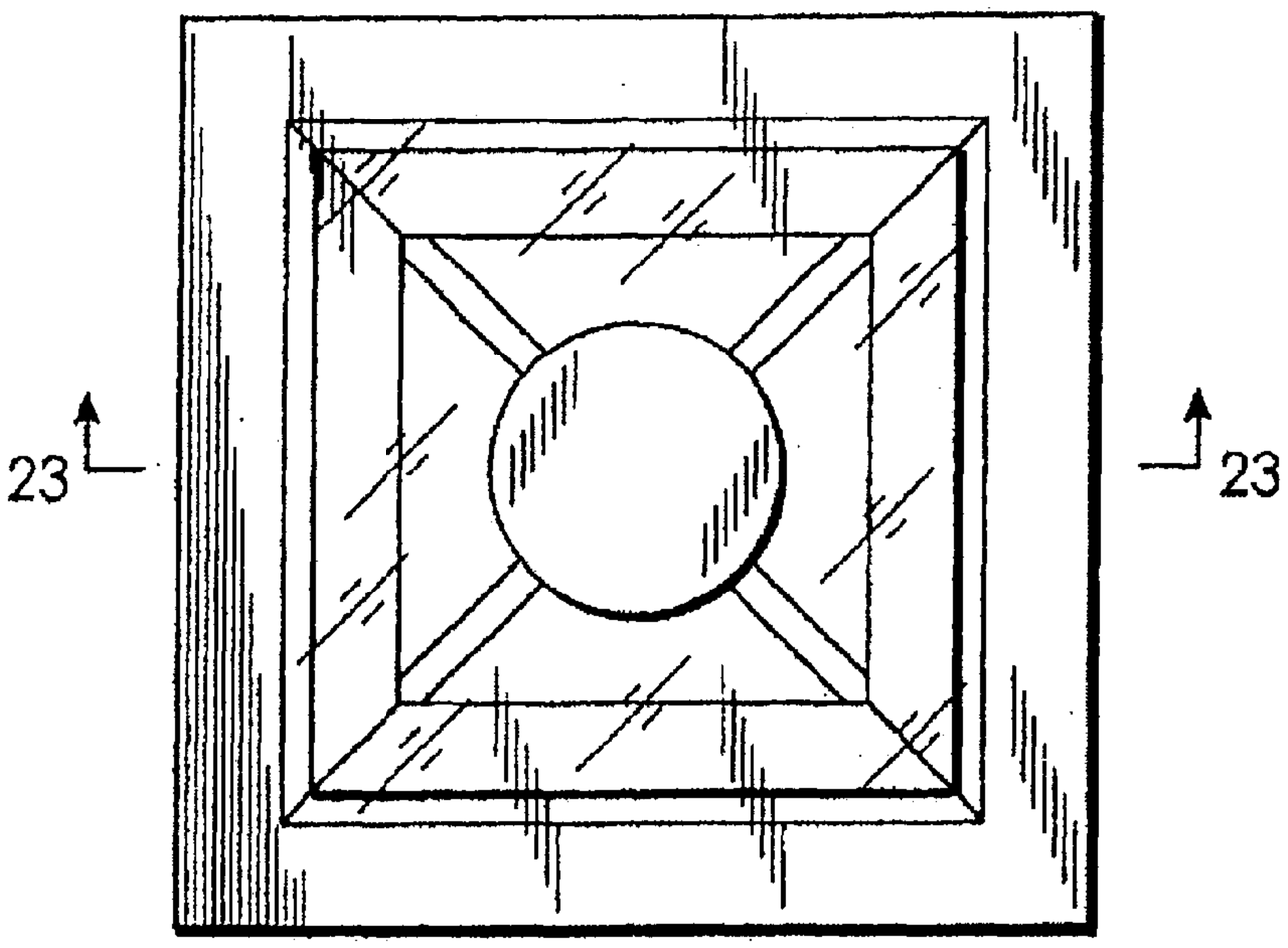


FIG.20

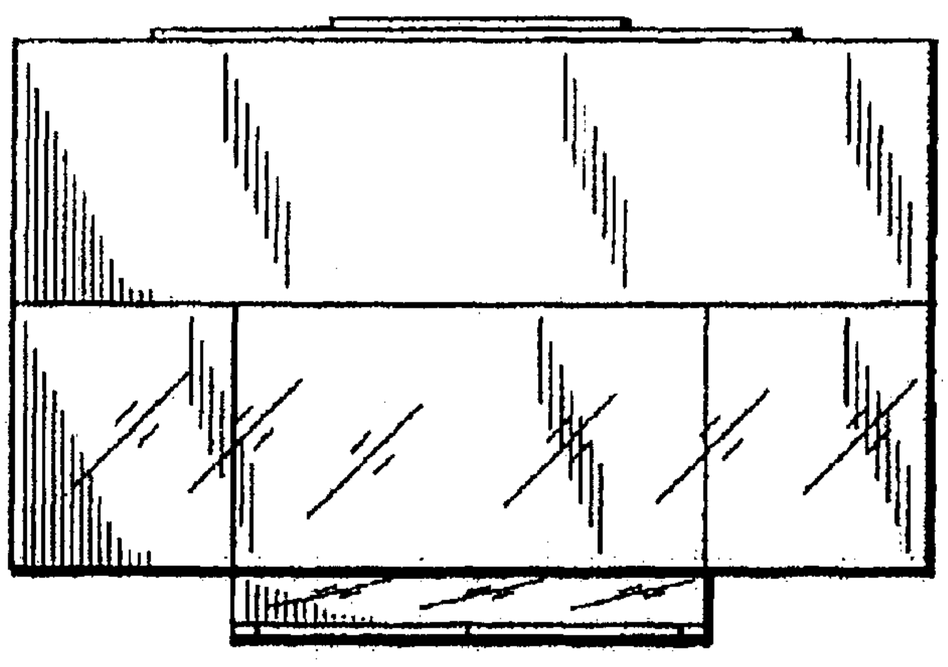


FIG.21

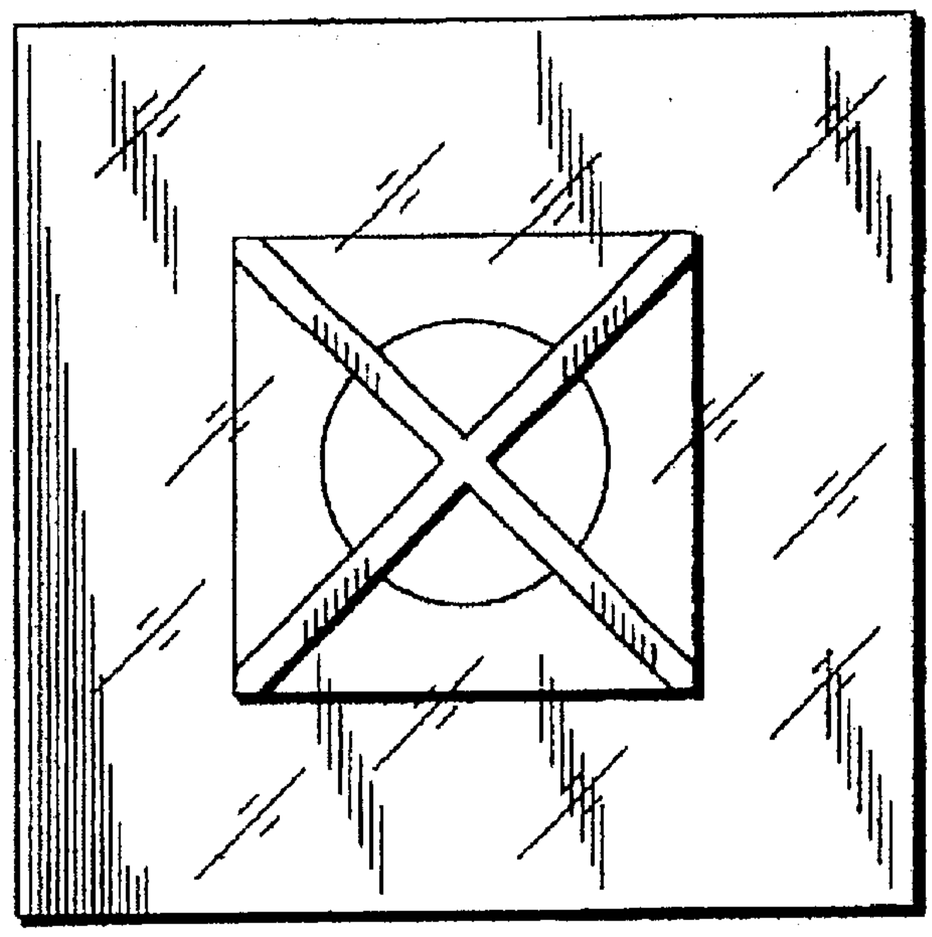


FIG.22

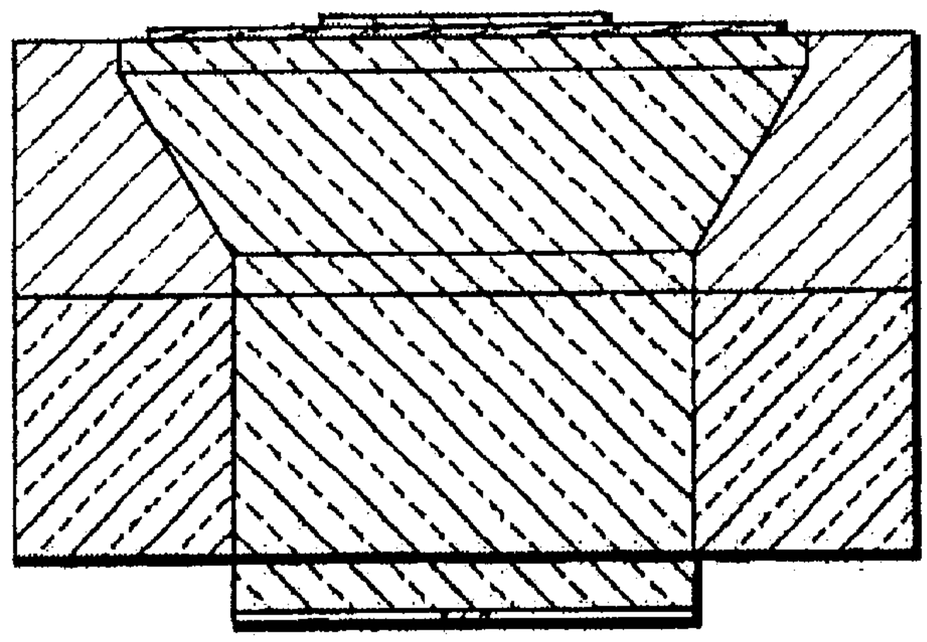


FIG.23

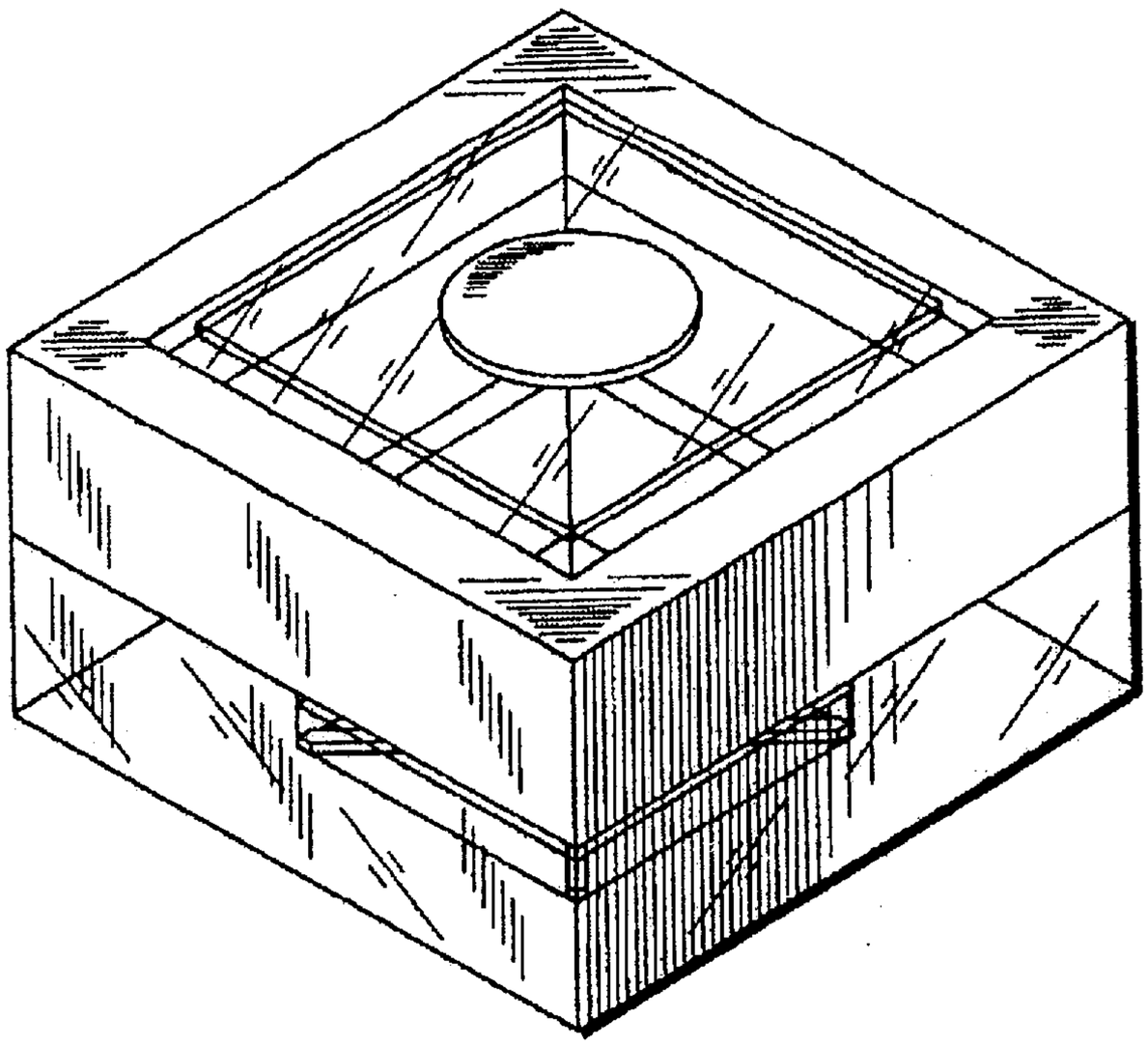


FIG.24

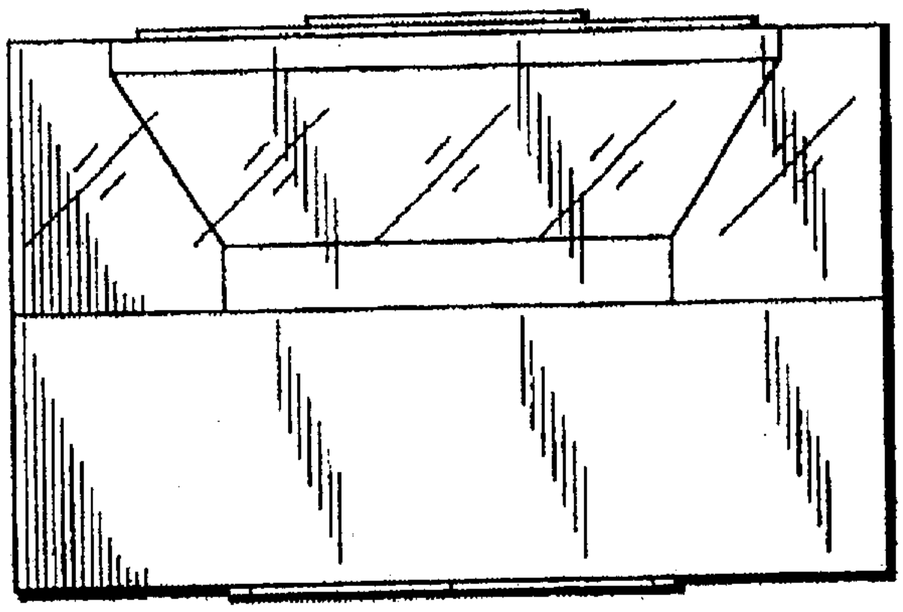


FIG.25

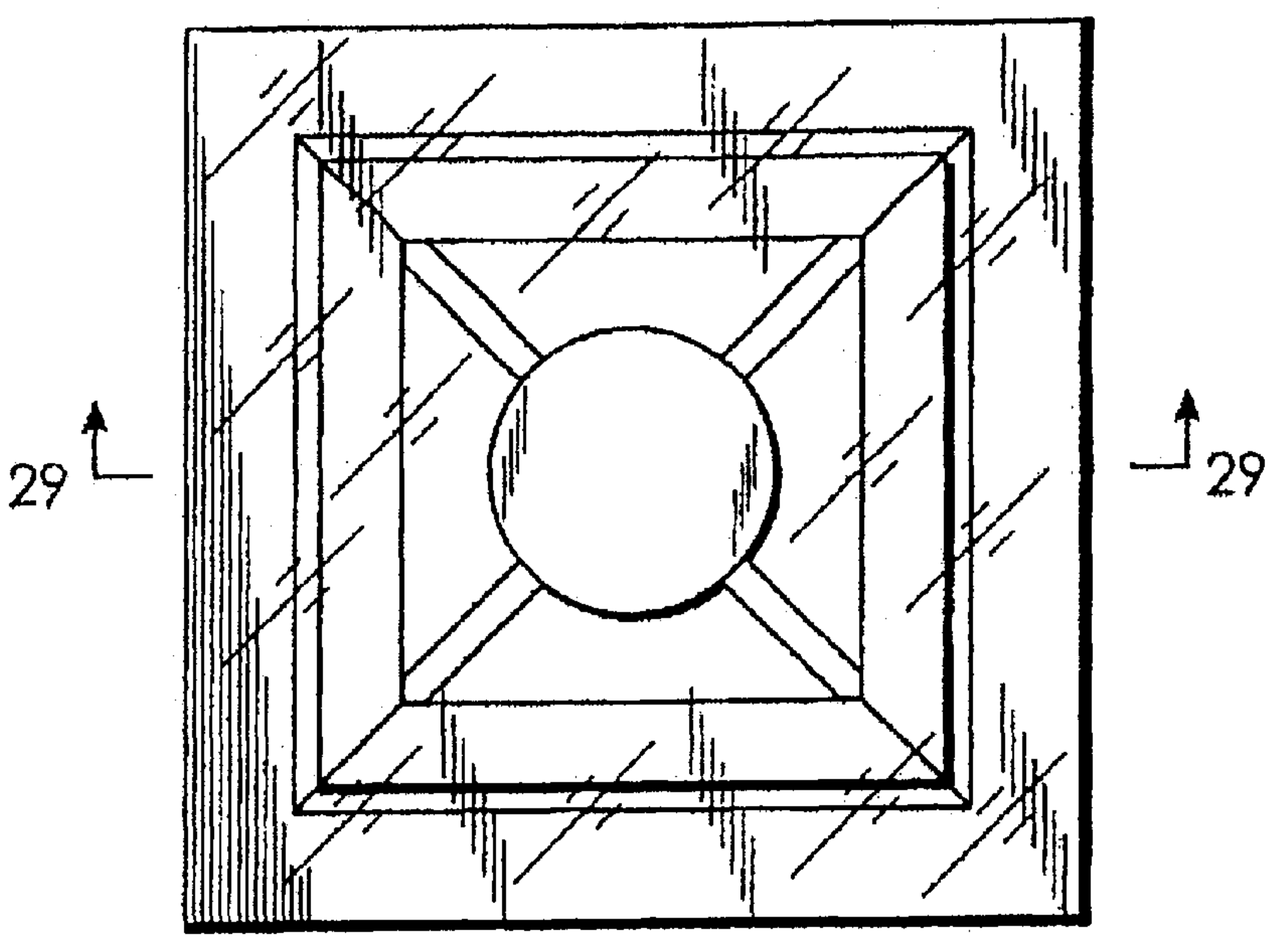


FIG.26

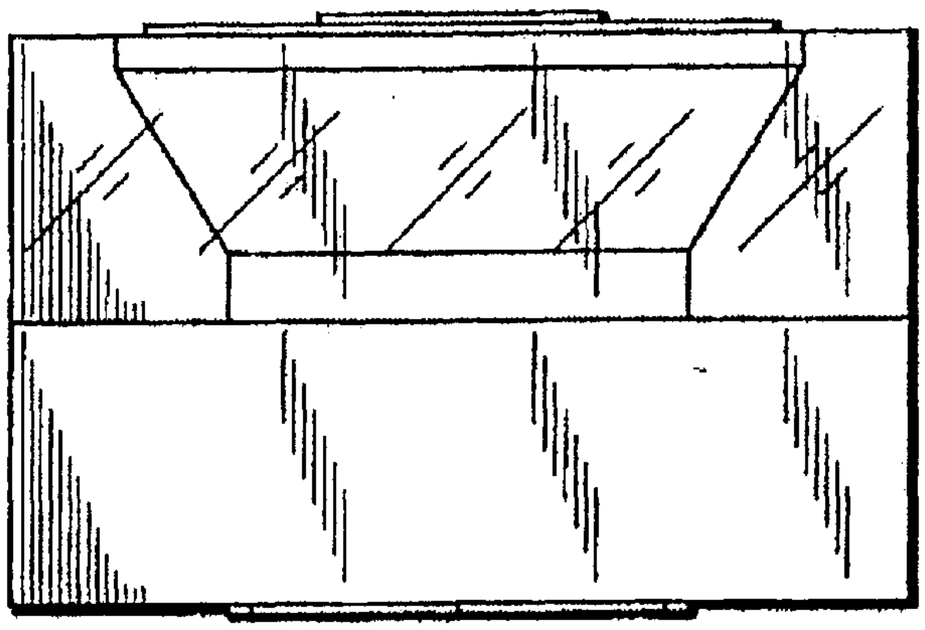


FIG.27

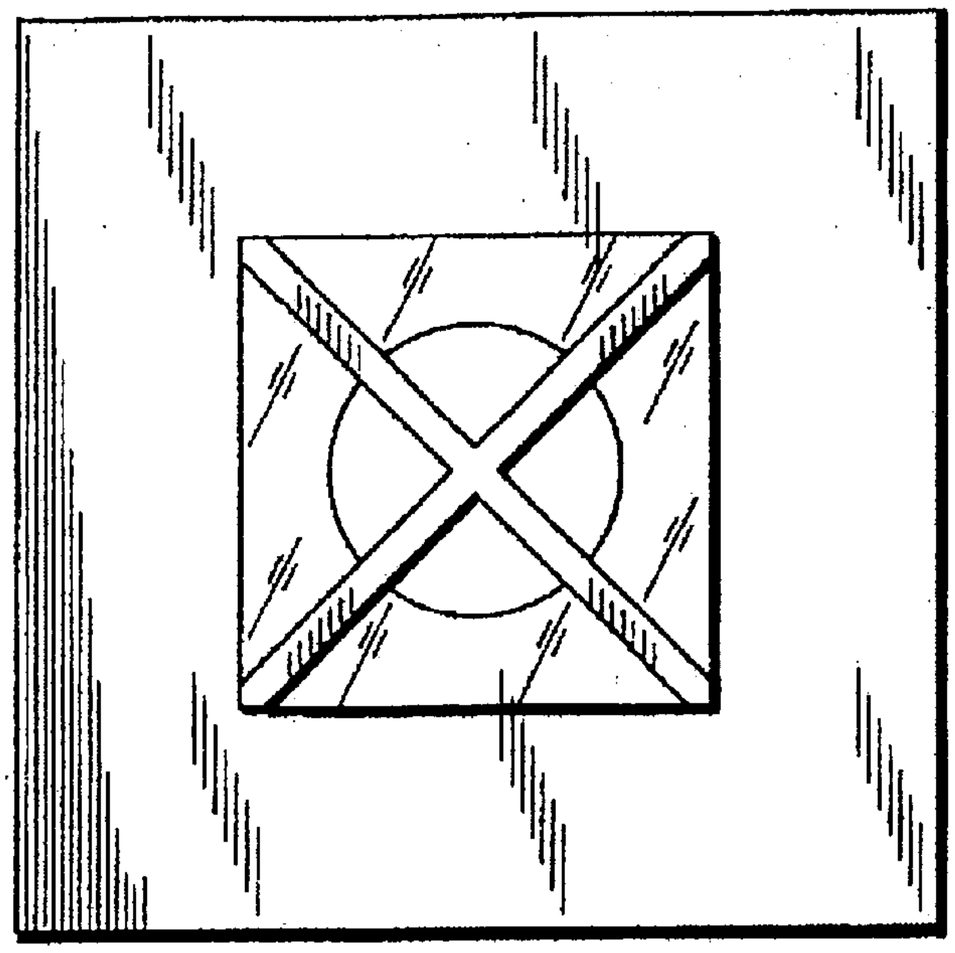


FIG.28

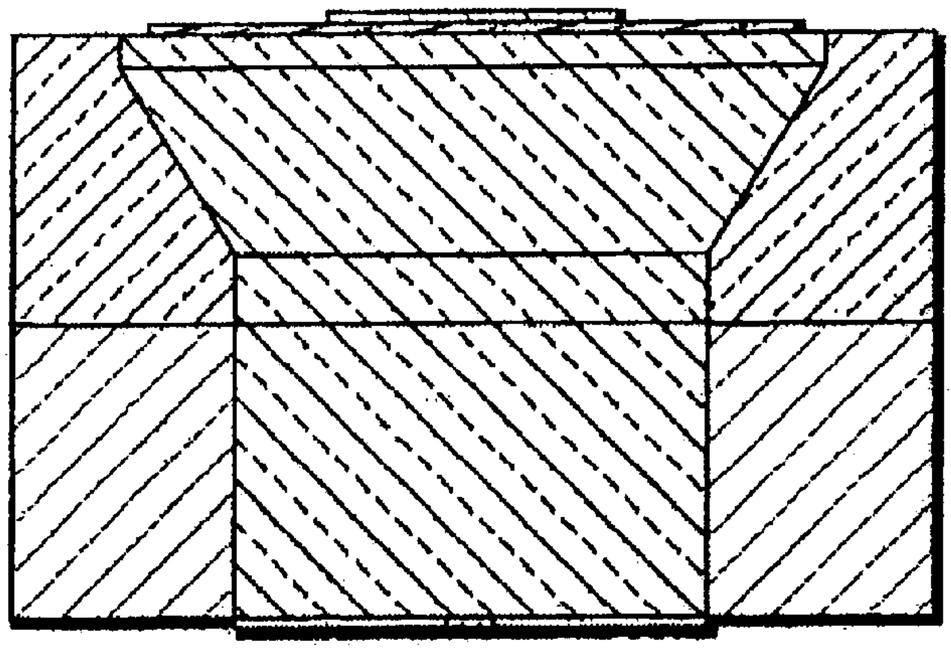


FIG.29

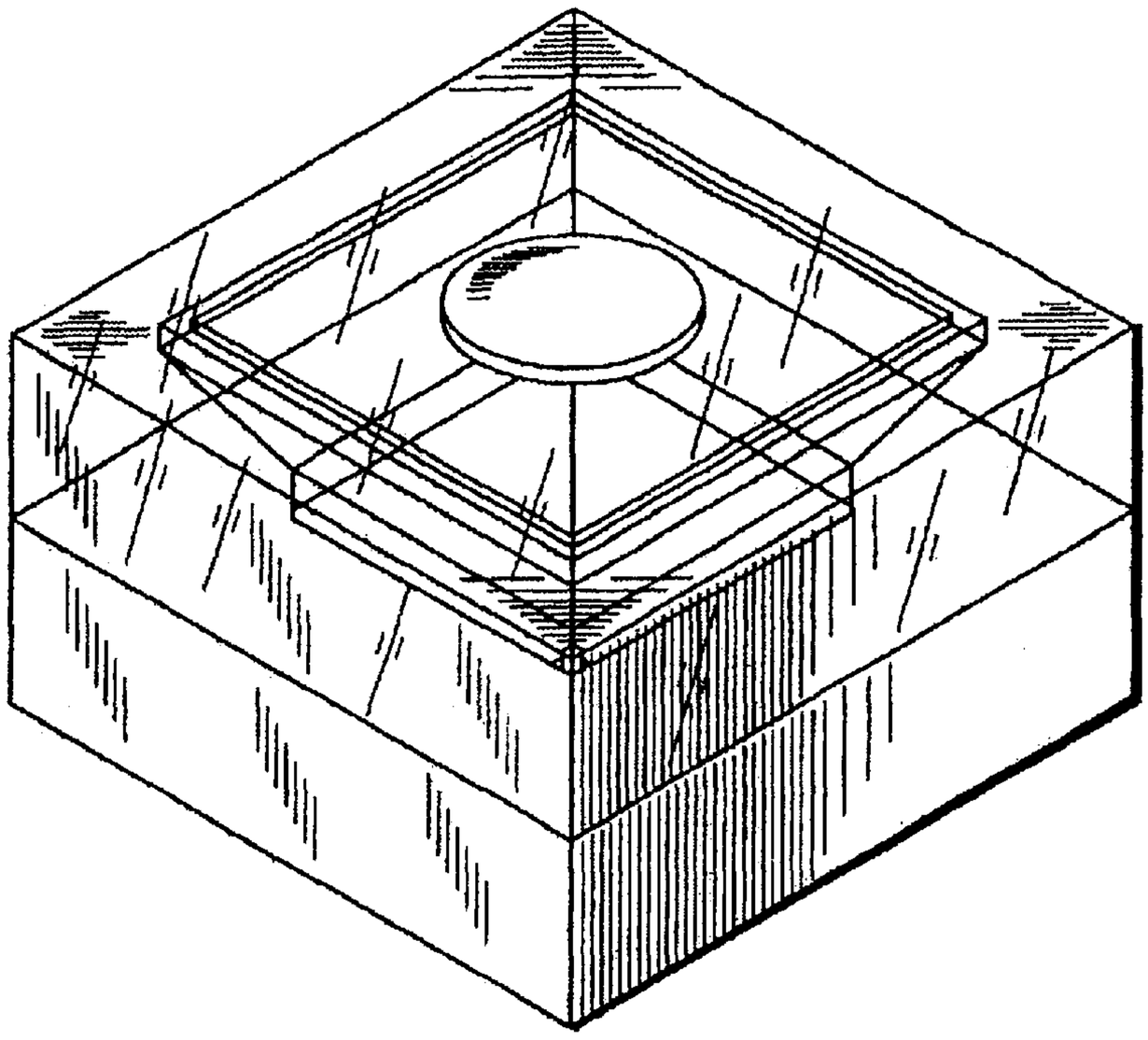


FIG.30

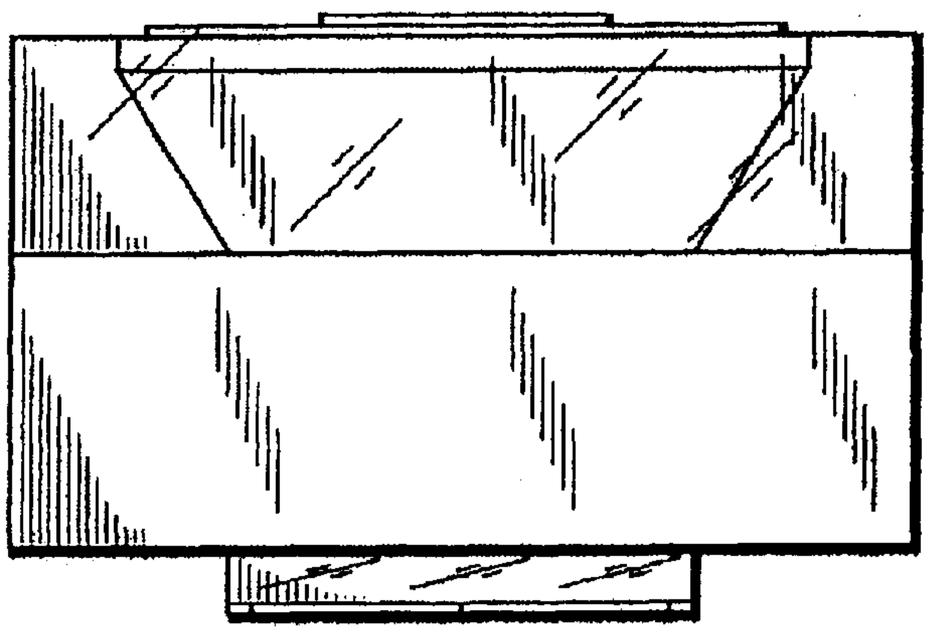
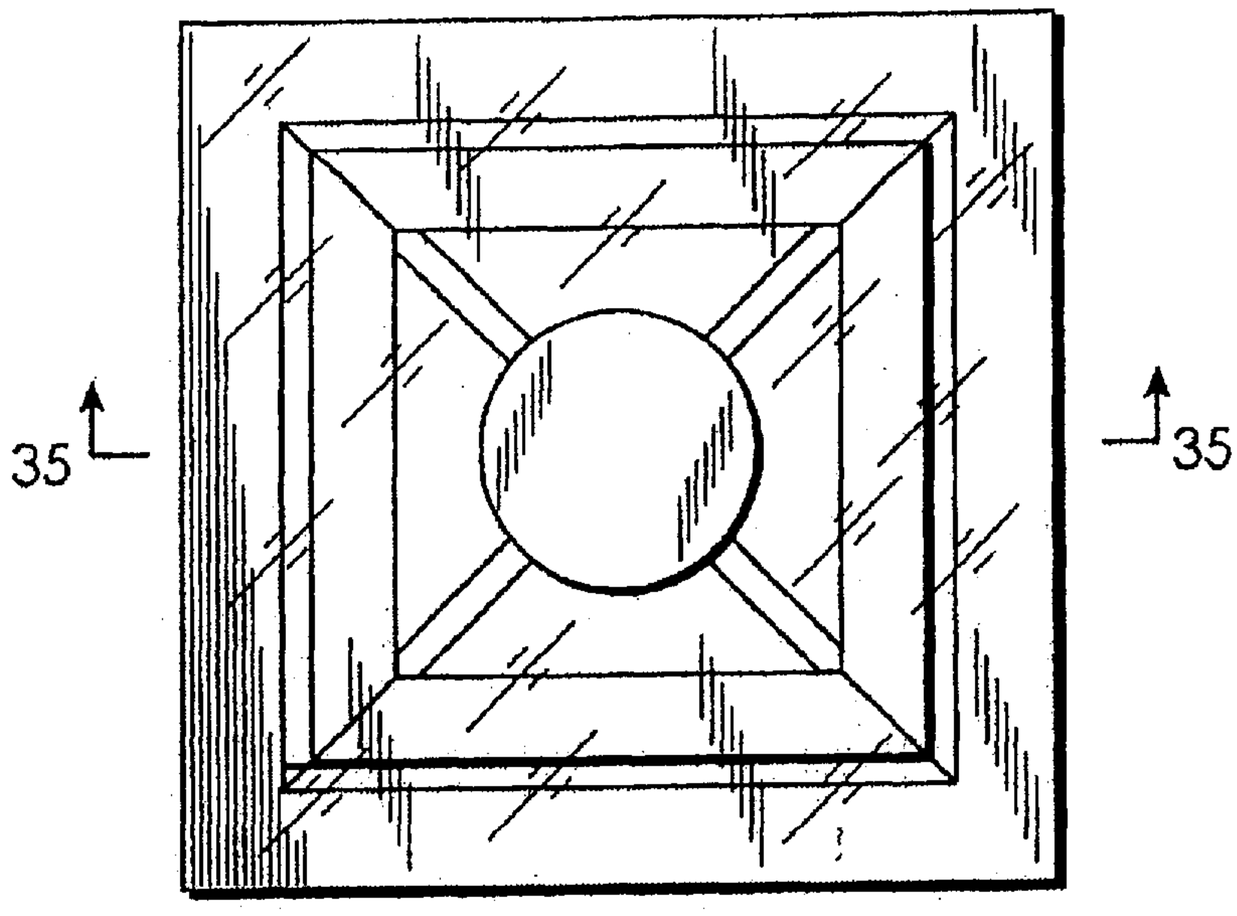


FIG.31



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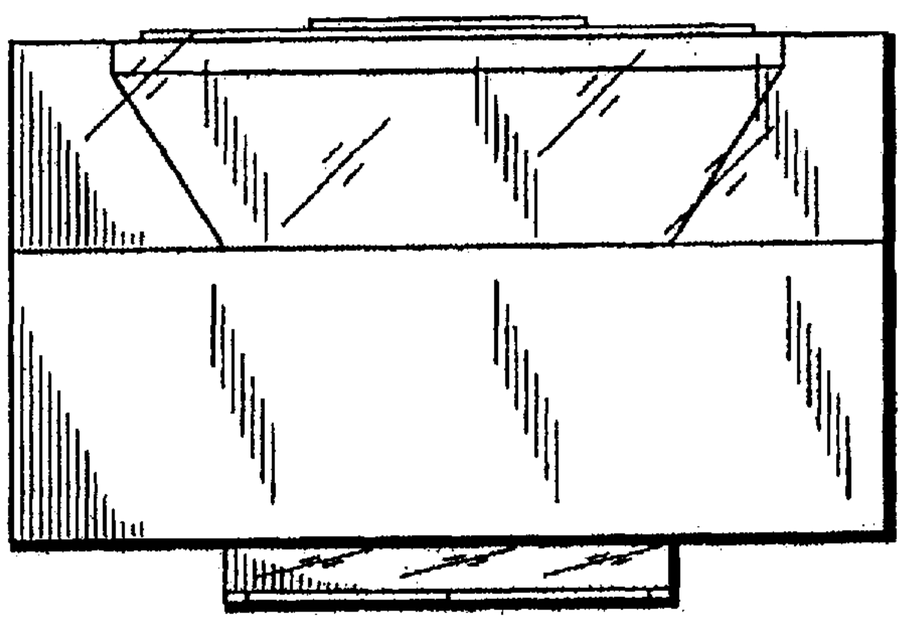

FIG.33

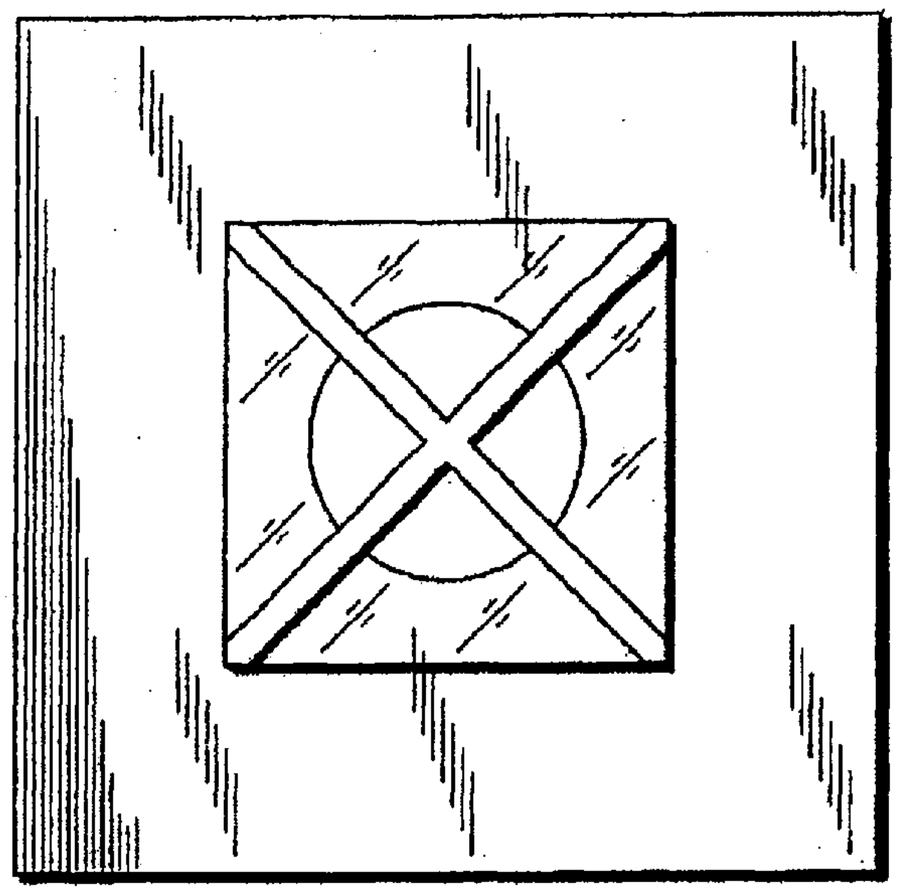

FIG.34

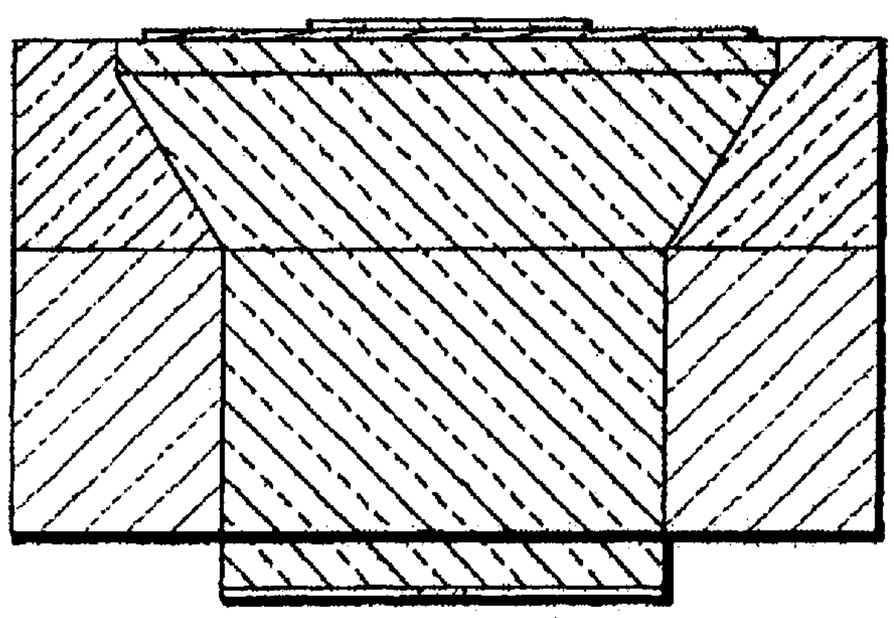

FIG.35

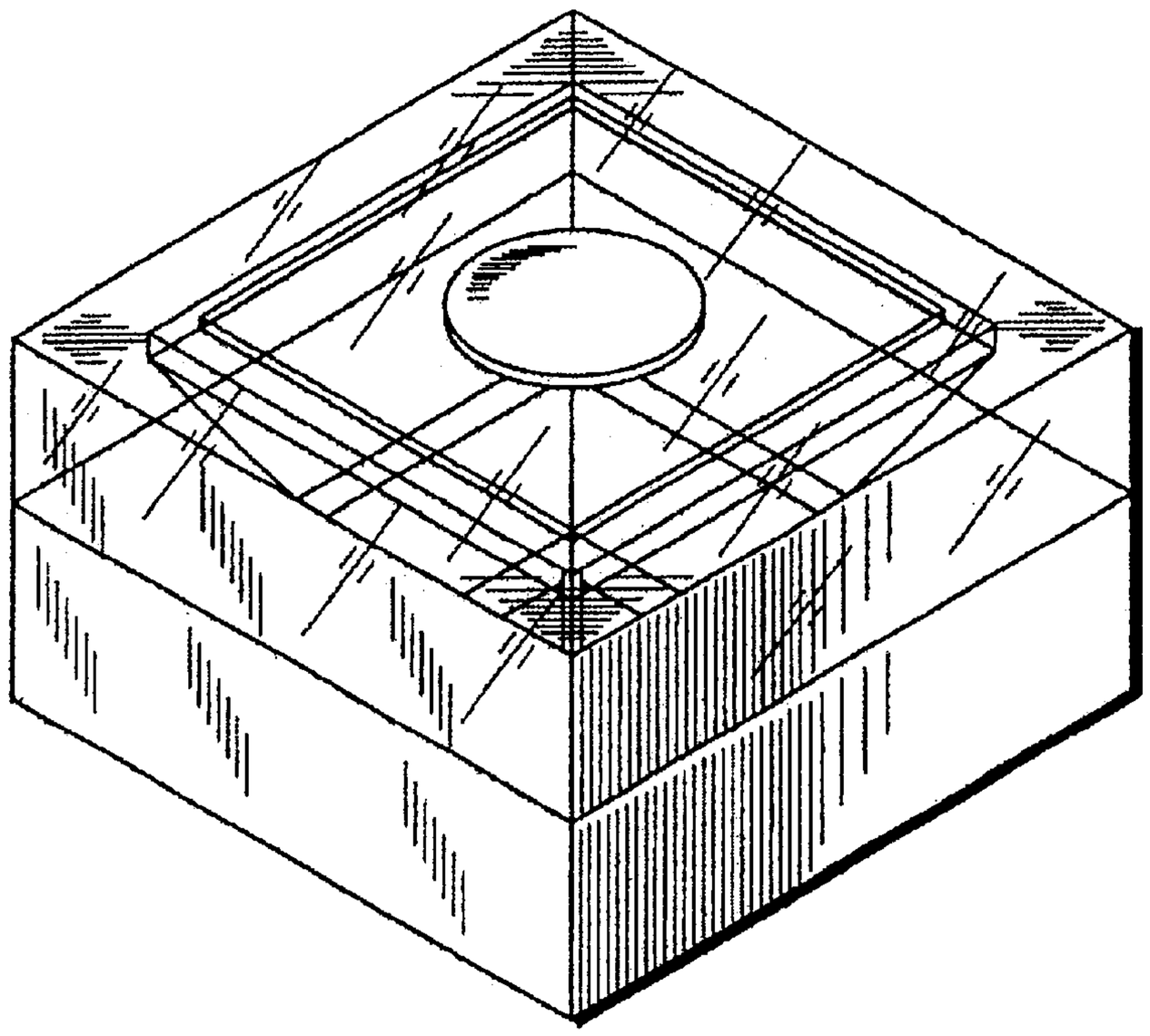

FIG.36