



US00D536308S

(12) **United States Design Patent** (10) **Patent No.:** **US D536,308 S**  
**Inoue** (45) **Date of Patent:** **\*\* Feb. 6, 2007**

(54) **LIGHT EMITTING DIODE**

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

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

(21) Appl. No.: **29/228,152**

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

(30) **Foreign Application Priority Data**

Oct. 19, 2004	(JP)	.....	2004-031704
Oct. 19, 2004	(JP)	.....	2004-031705
Oct. 19, 2004	(JP)	.....	2004-031706
Oct. 19, 2004	(JP)	.....	2004-031707
Oct. 19, 2004	(JP)	.....	2004-031716
Oct. 19, 2004	(JP)	.....	2004-031717
Oct. 19, 2004	(JP)	.....	2004-031718
Oct. 19, 2004	(JP)	.....	2004-031719

(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; 382/235, 249, 555,  
382/800; 372/45.01

See application file for complete search history.

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*Primary Examiner*—Selina Sikder

(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, 12 Drawing Sheets**

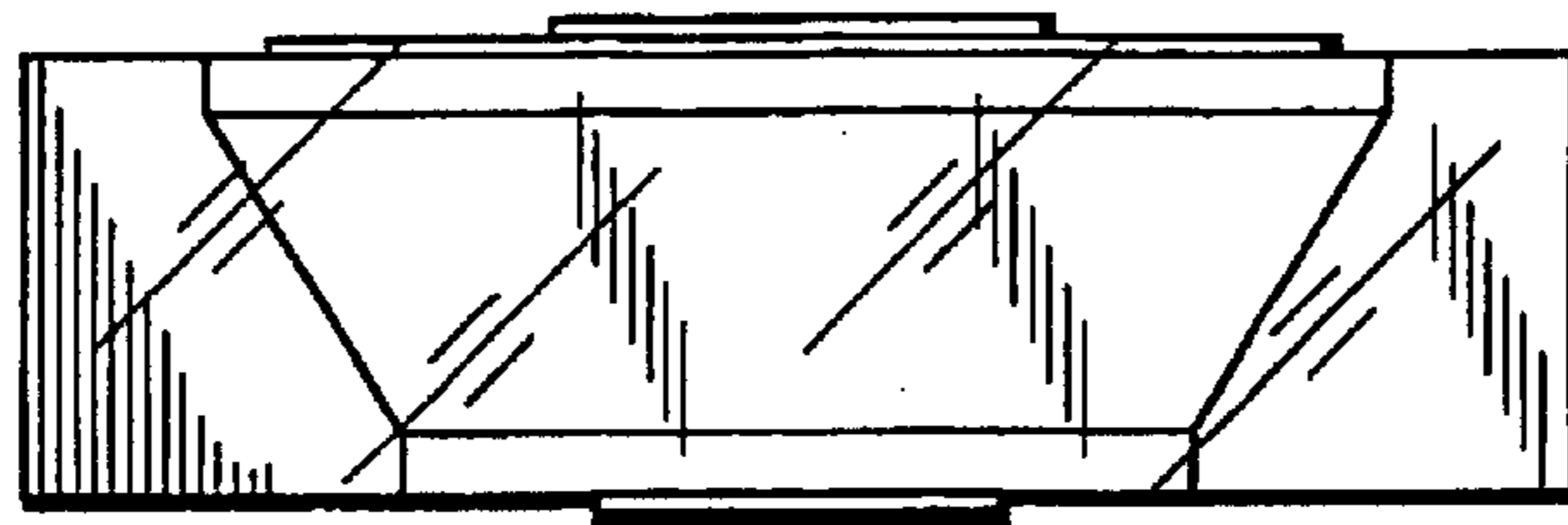


FIG. 1

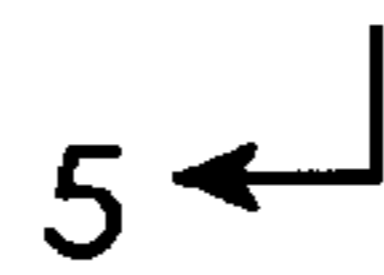
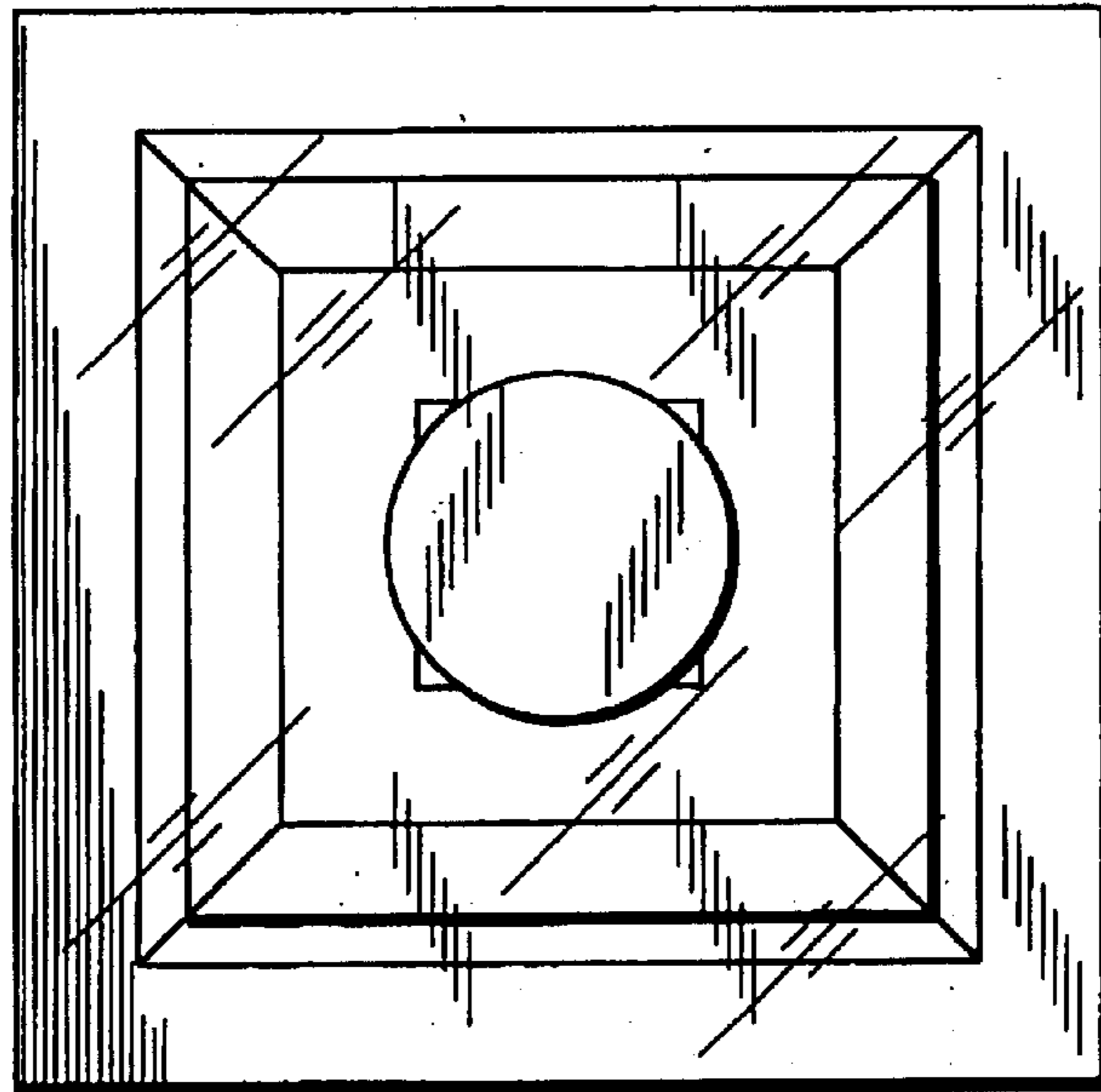
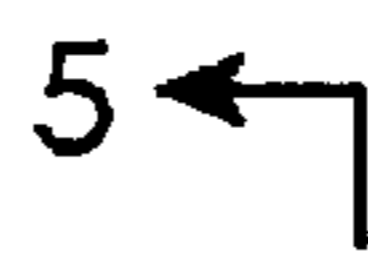


FIG. 2

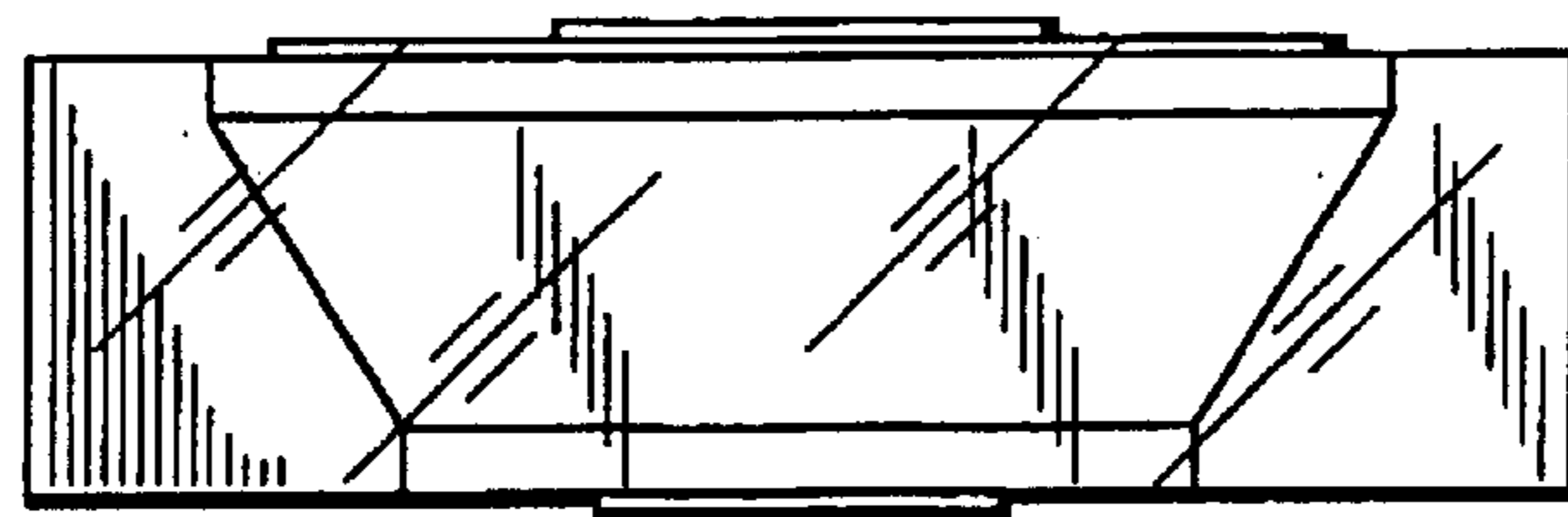


FIG. 3

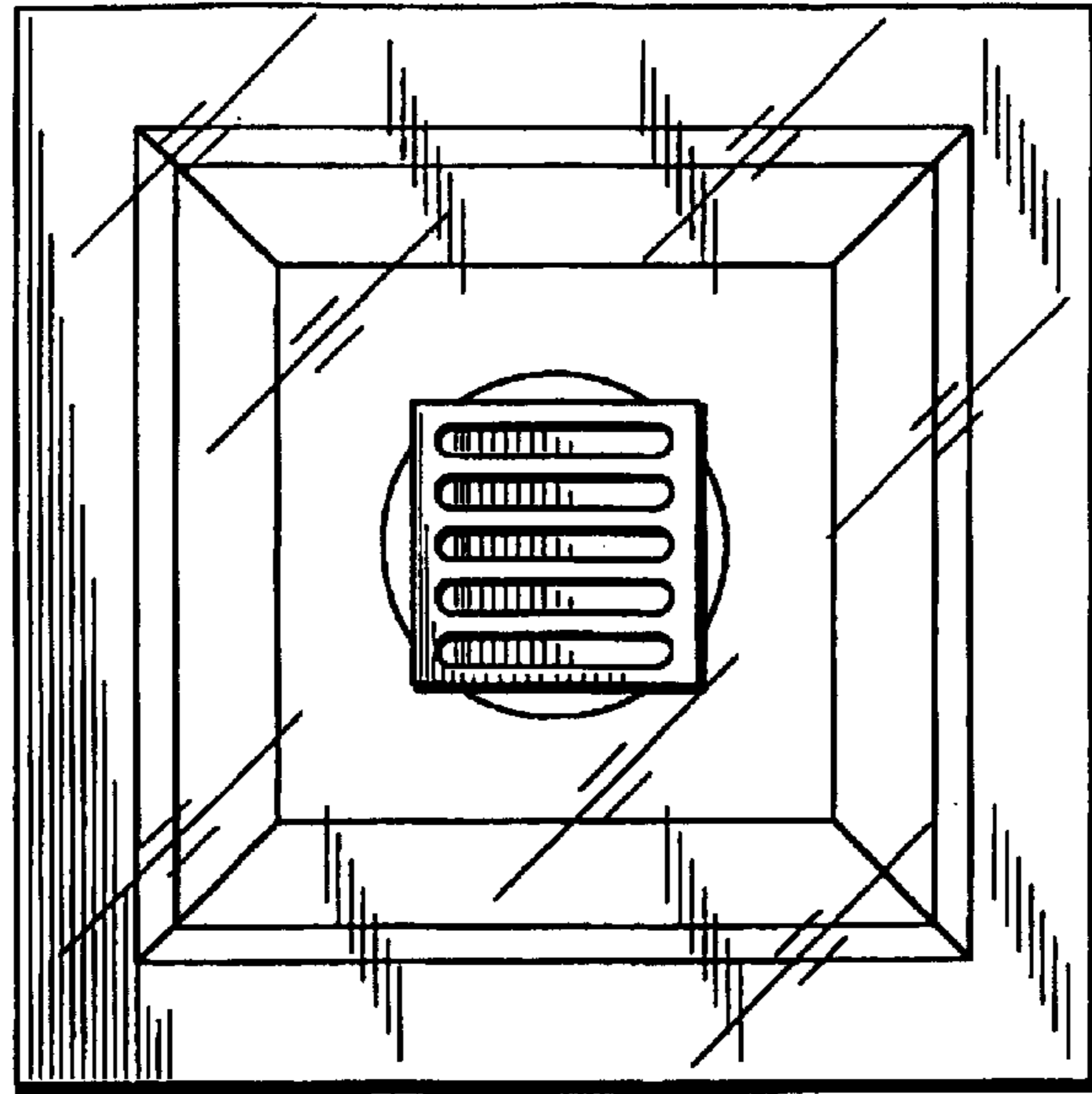


FIG. 4

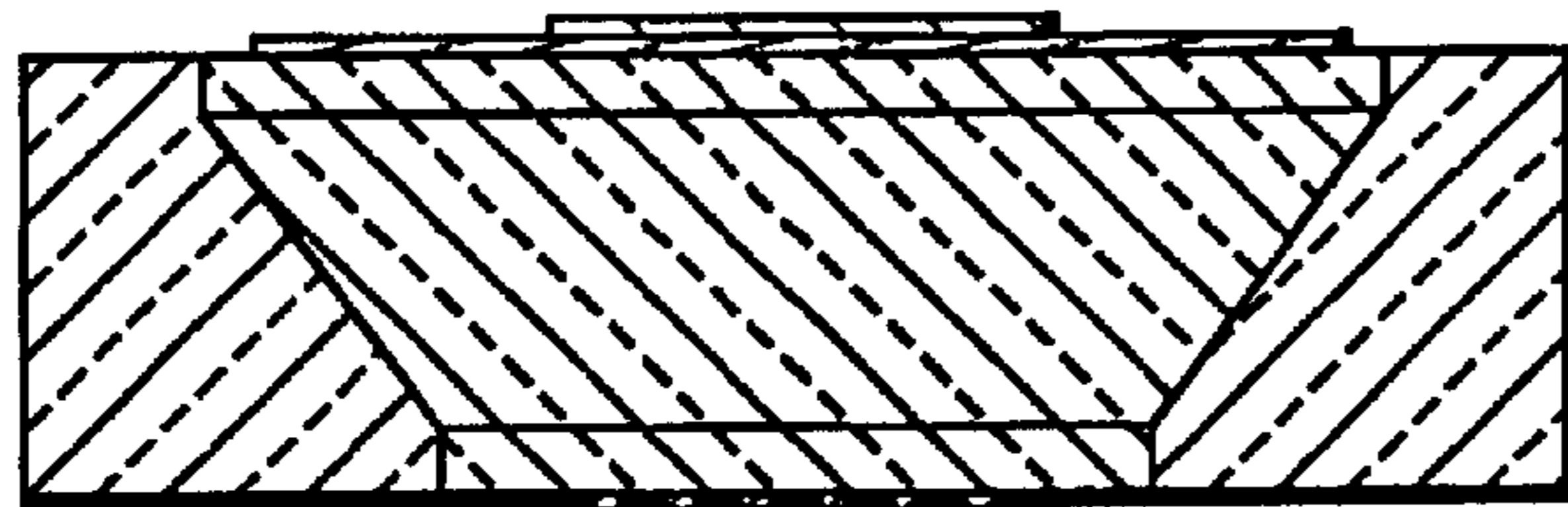


FIG. 5

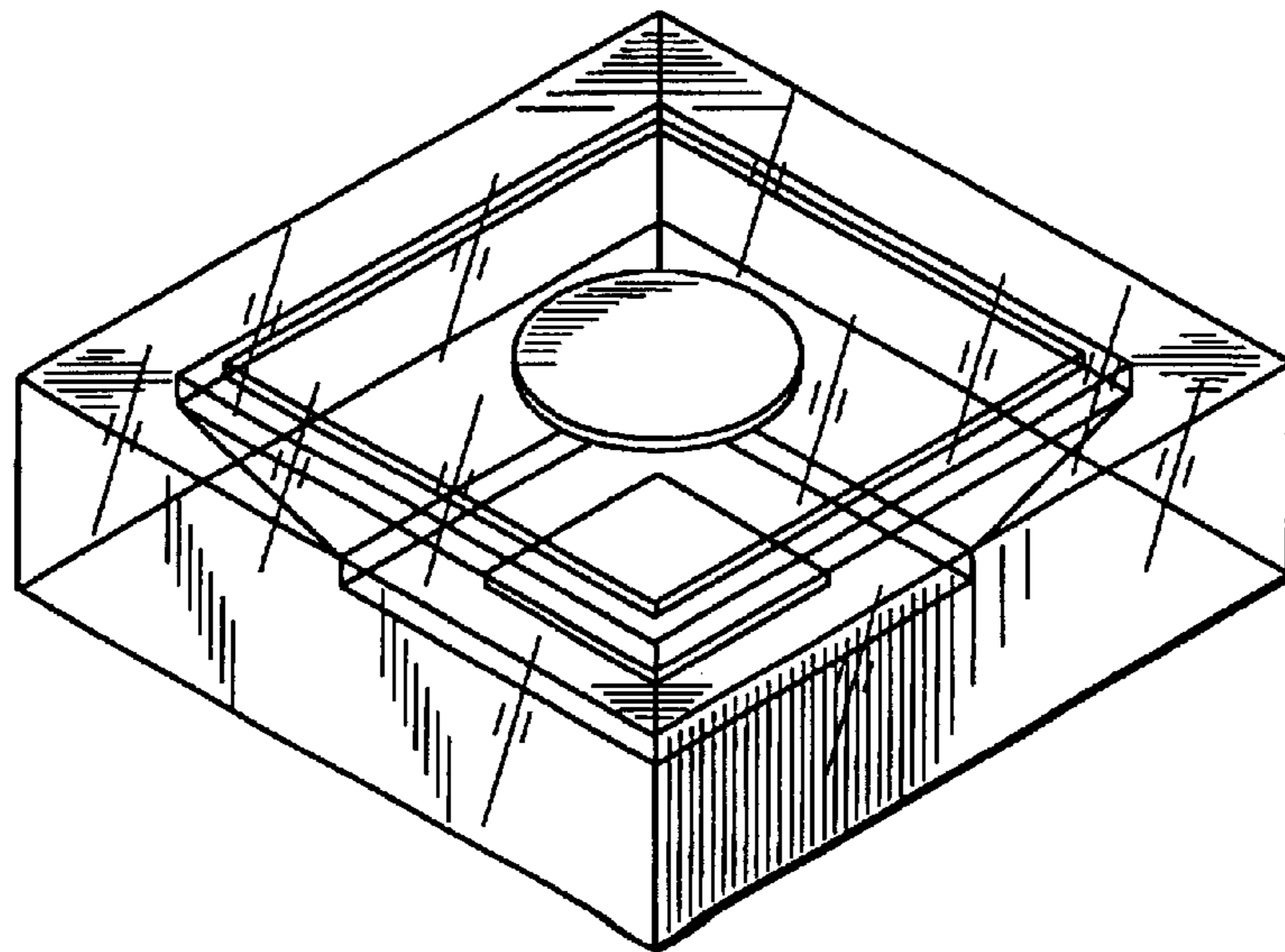


FIG. 6



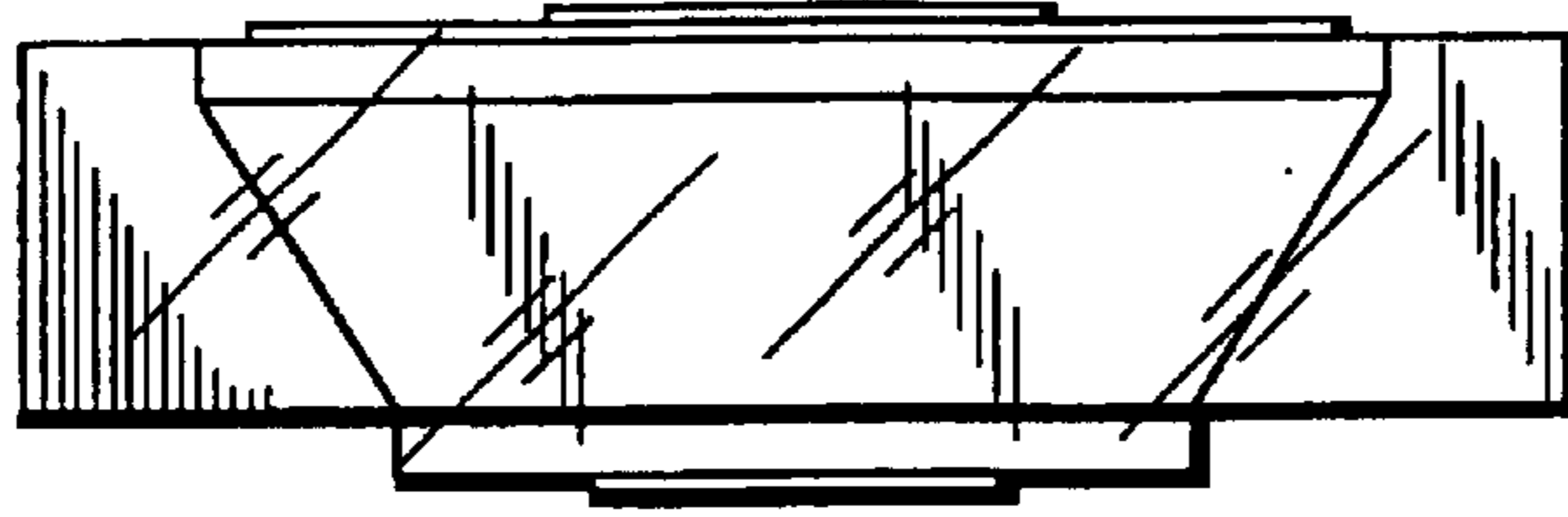


FIG. 7

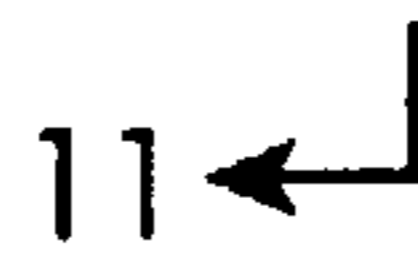
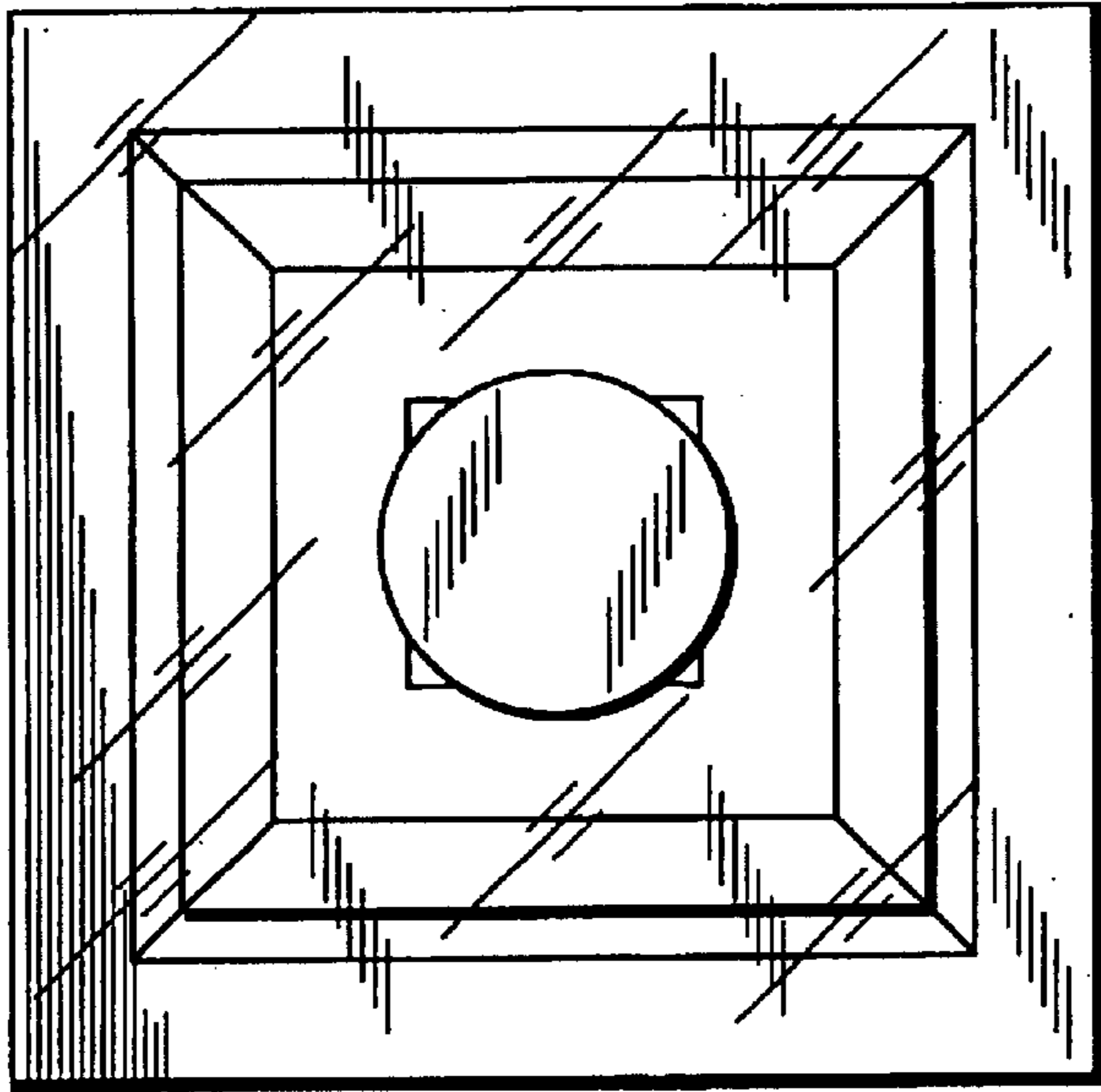
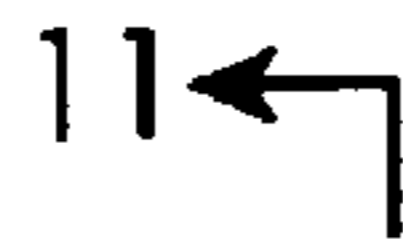


FIG. 8

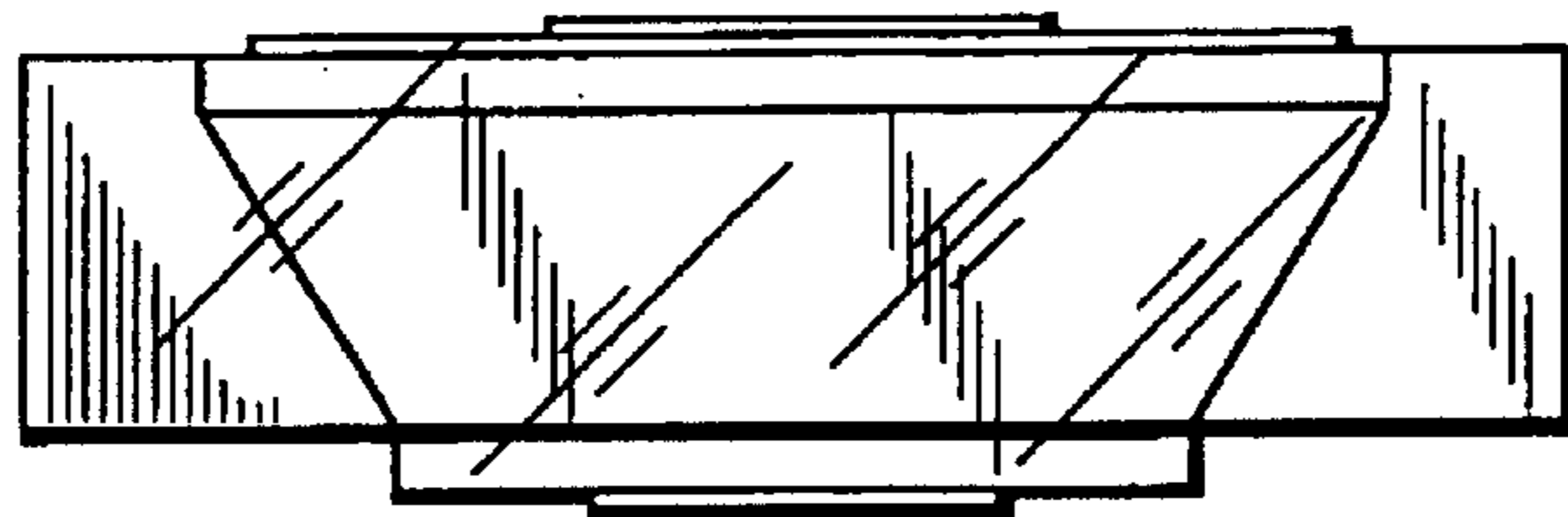


FIG. 9

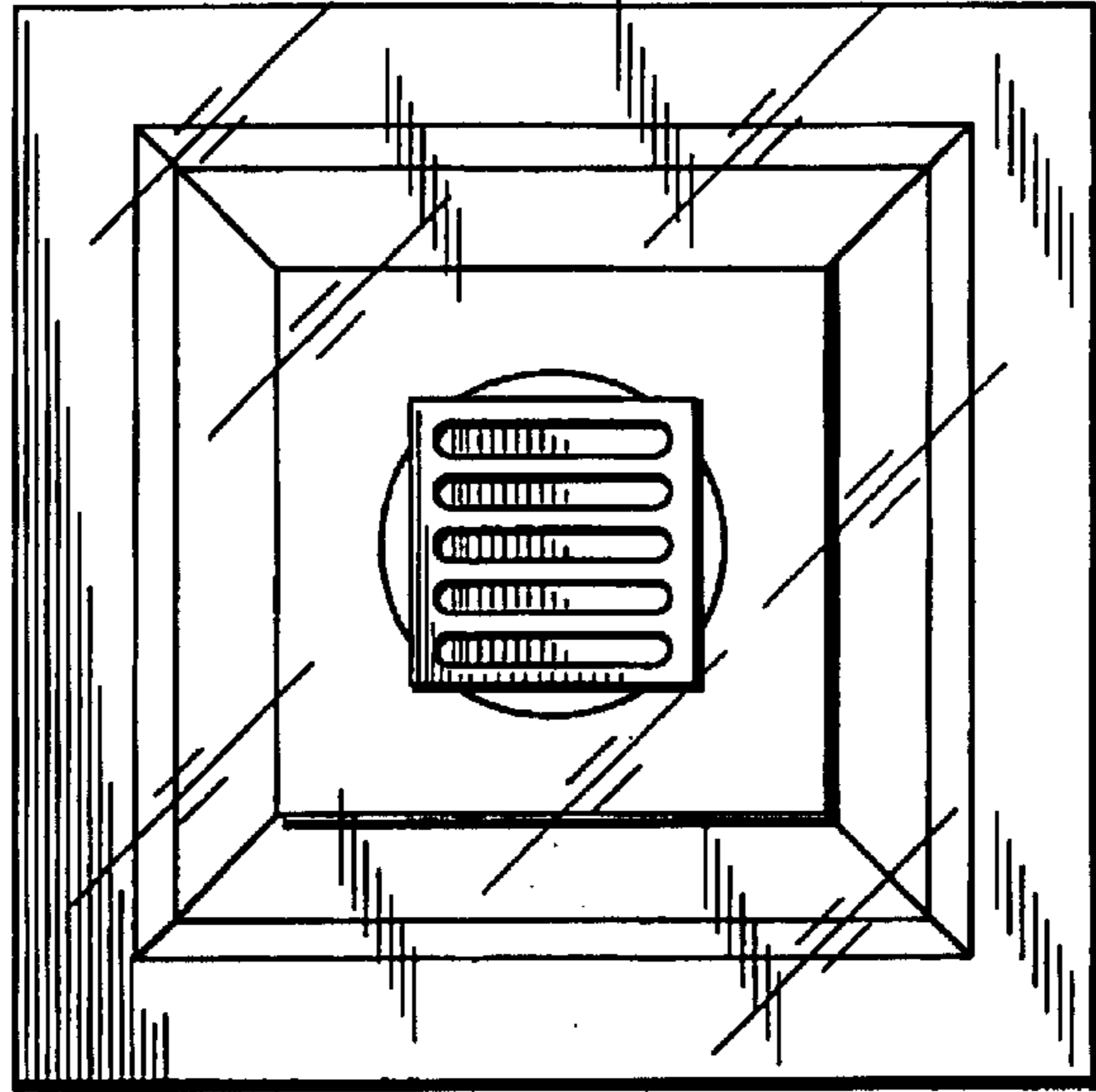


FIG. 10

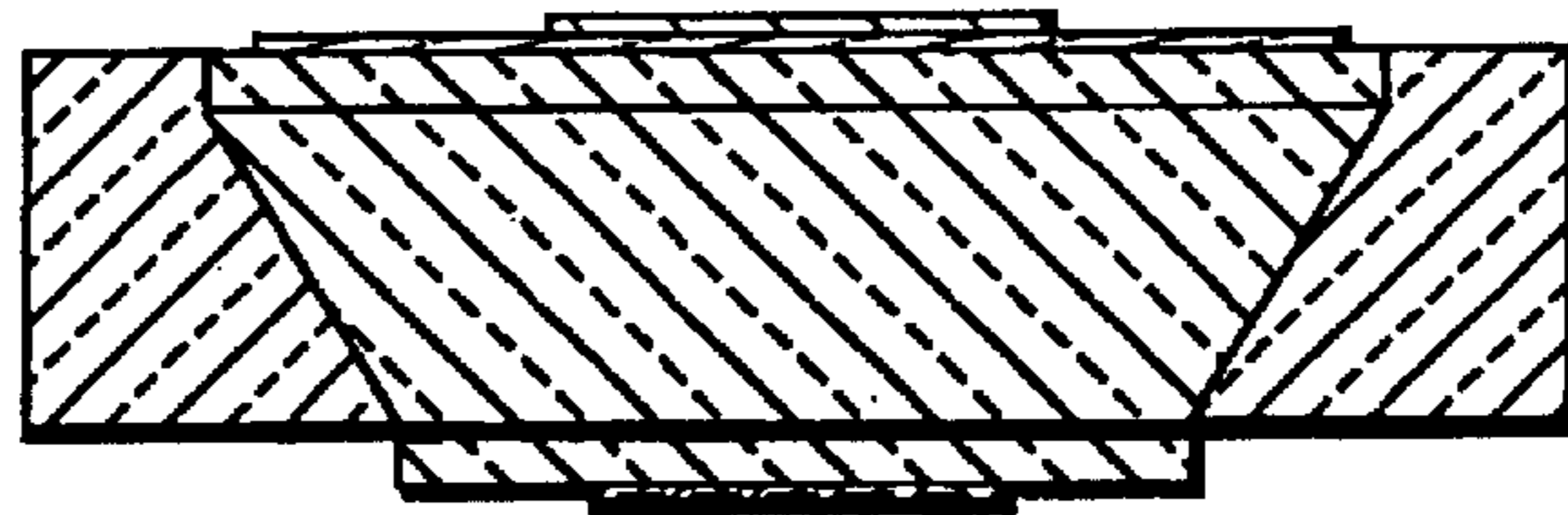


FIG. 11

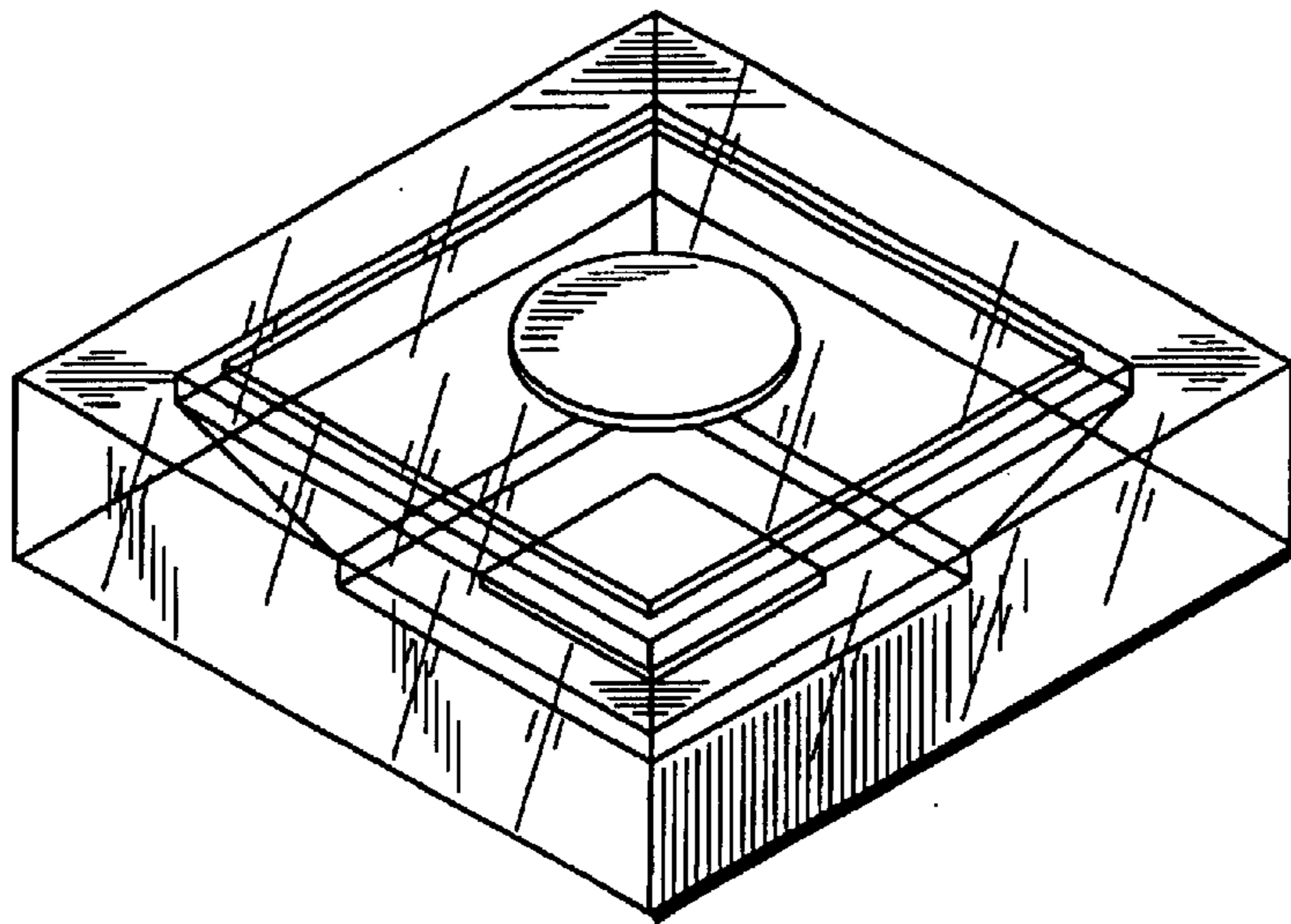


FIG. 12

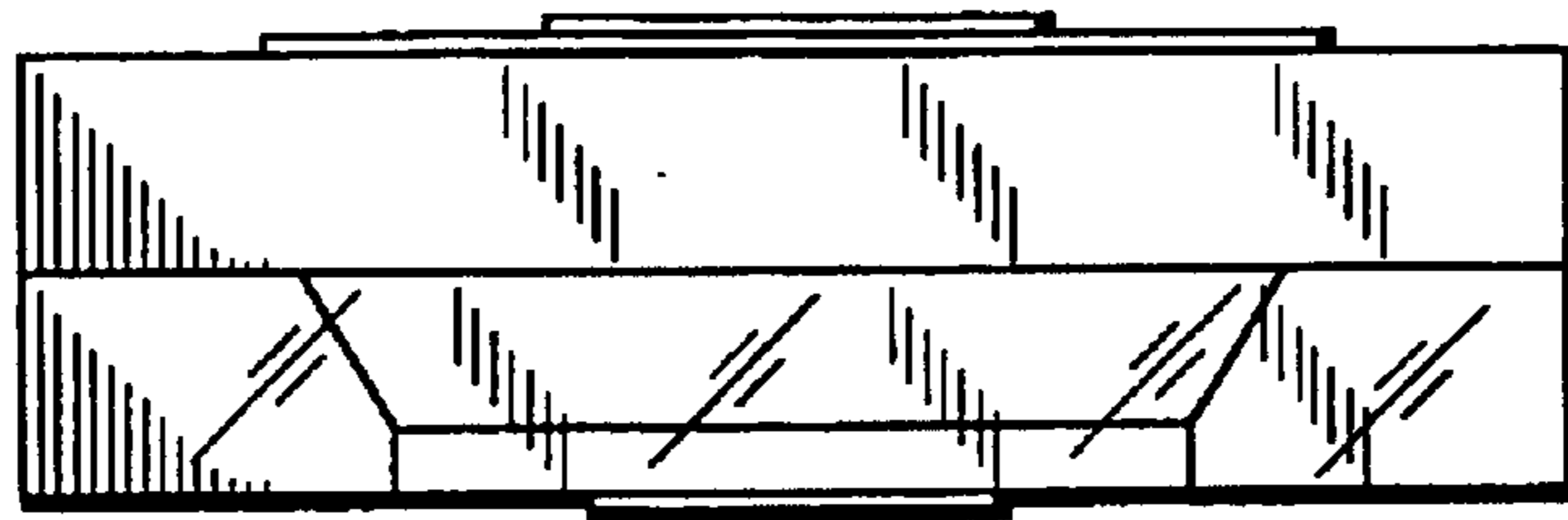
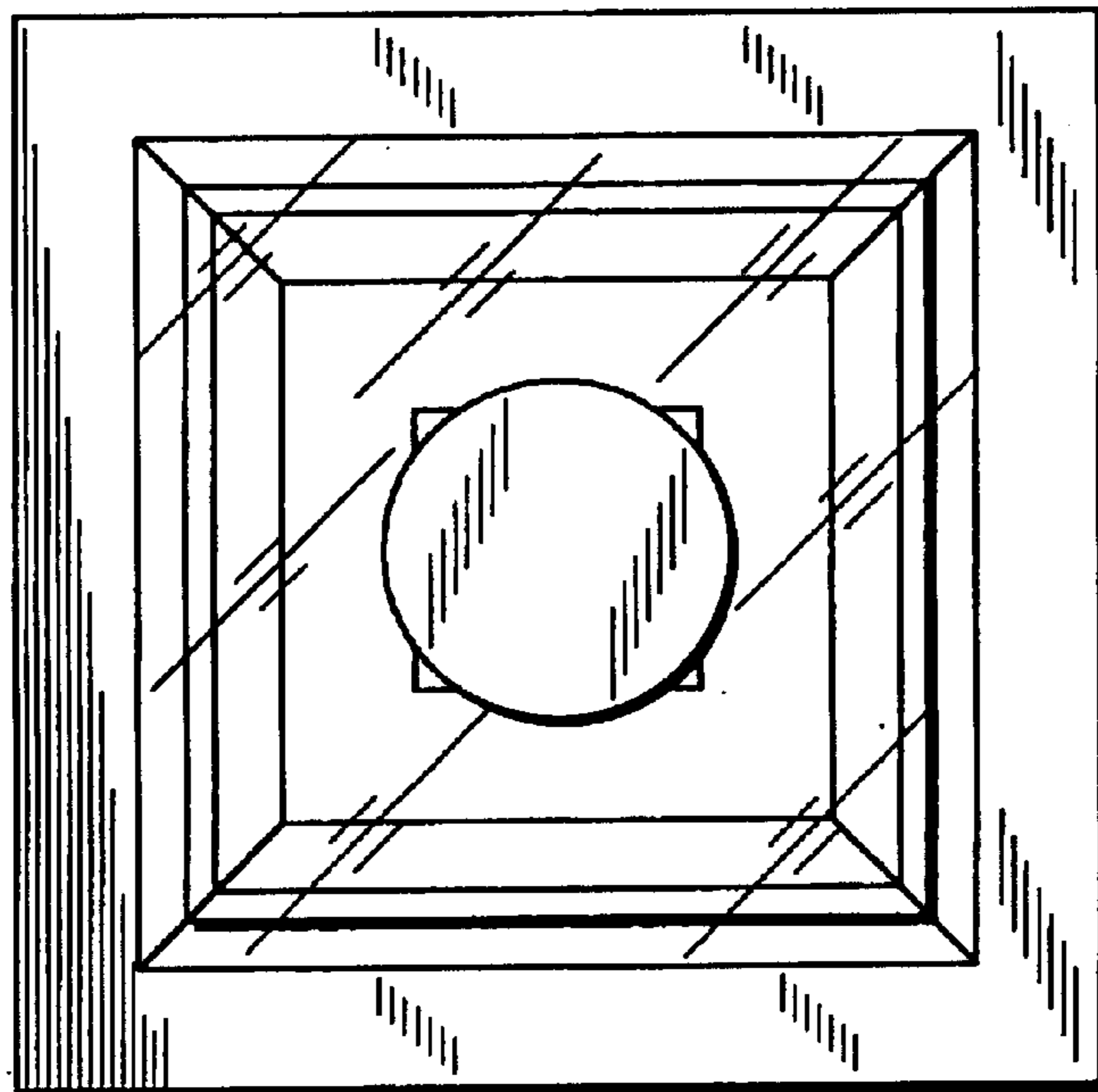


FIG. 13

17 ←



17 ←

FIG. 14

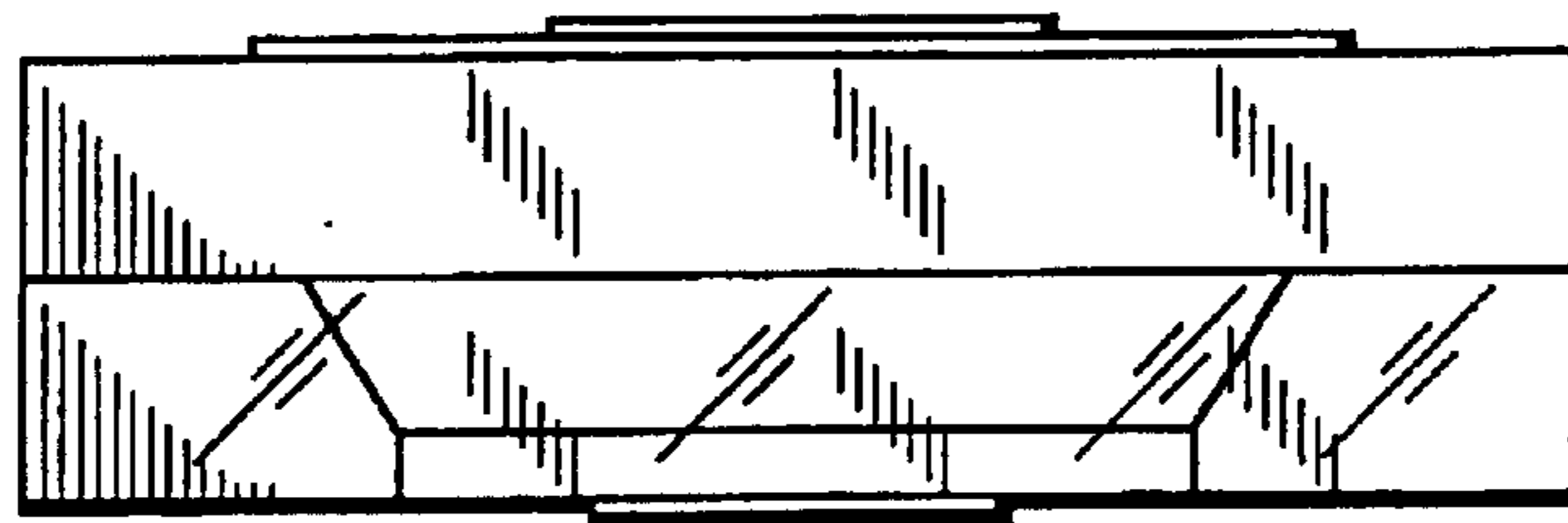


FIG. 15

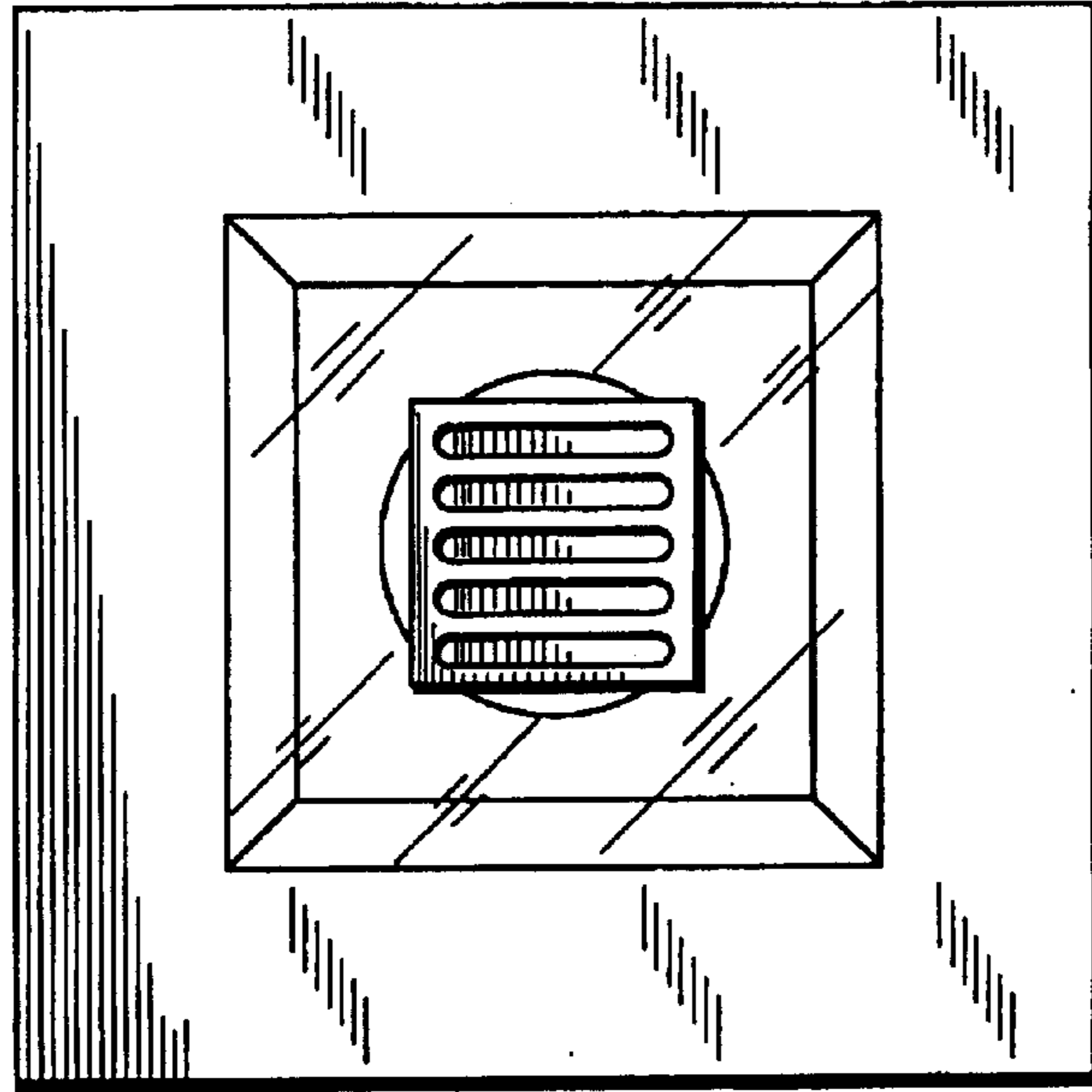


FIG. 16

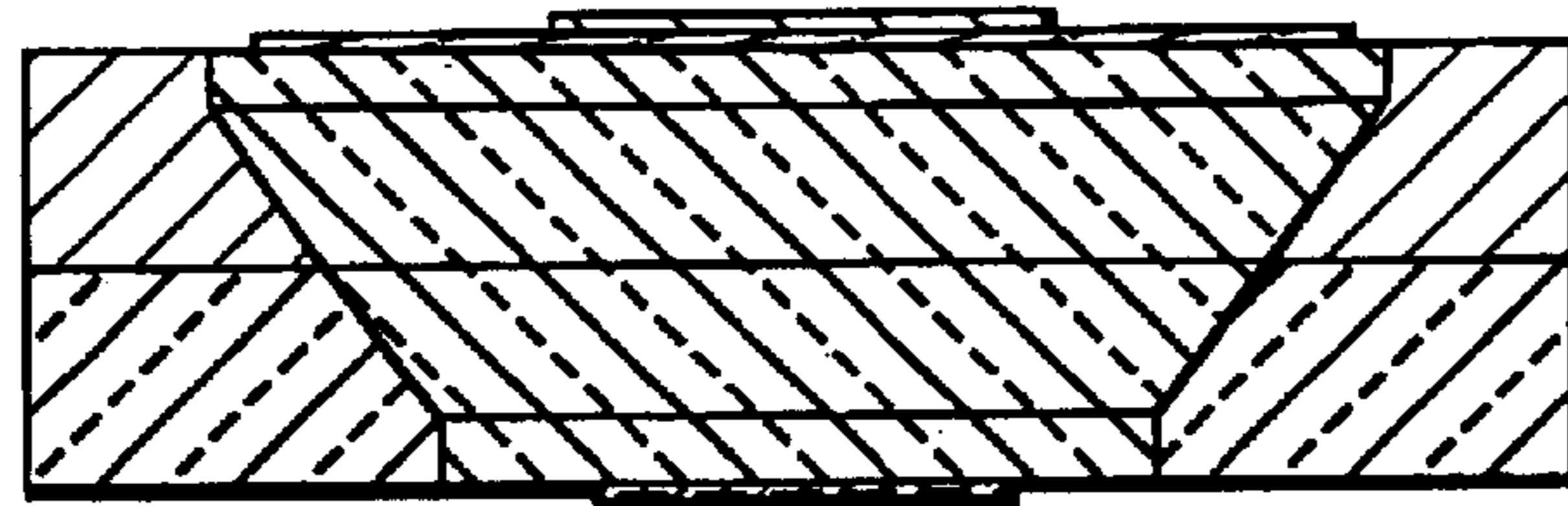


FIG. 17

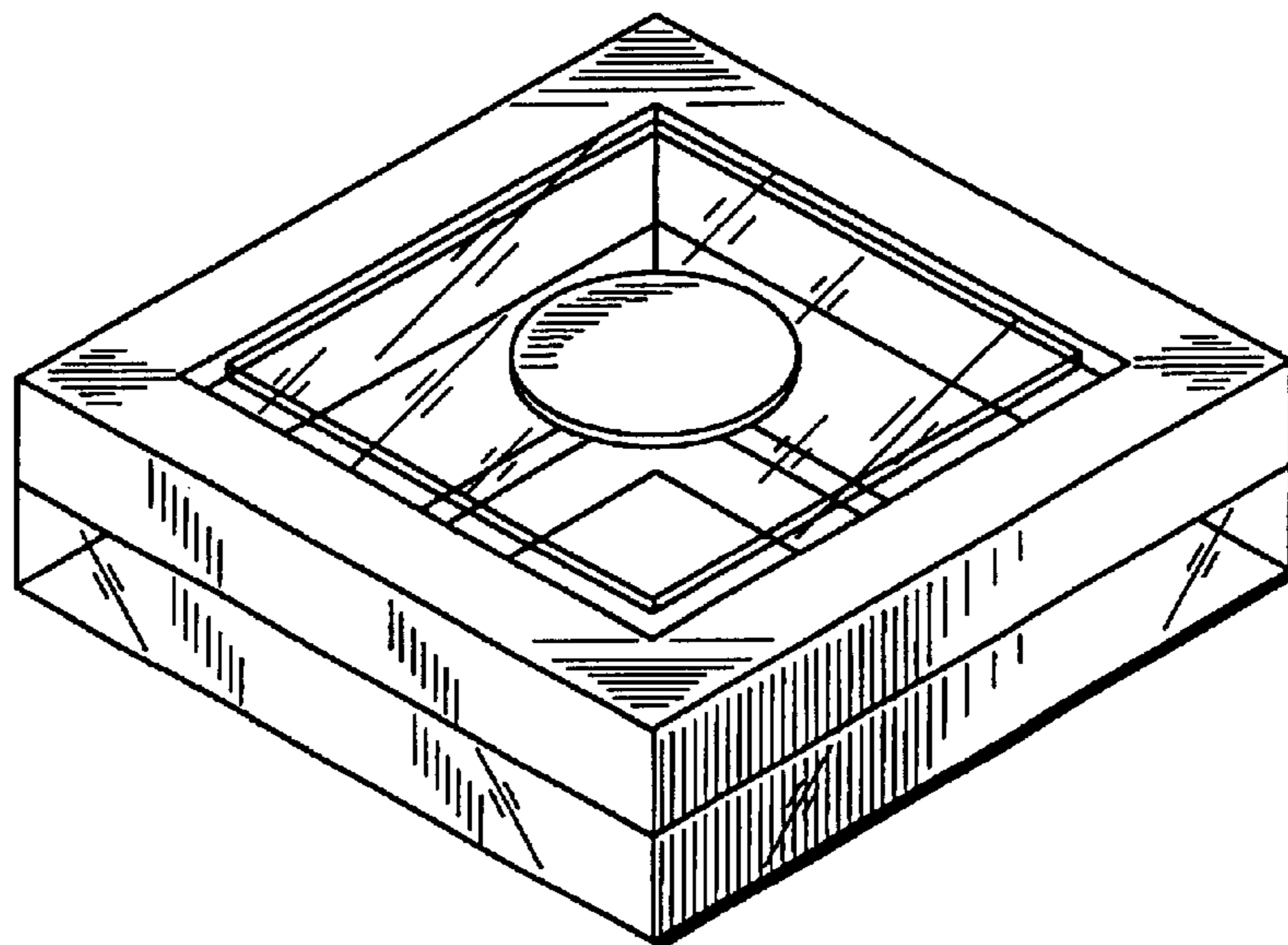


FIG. 18



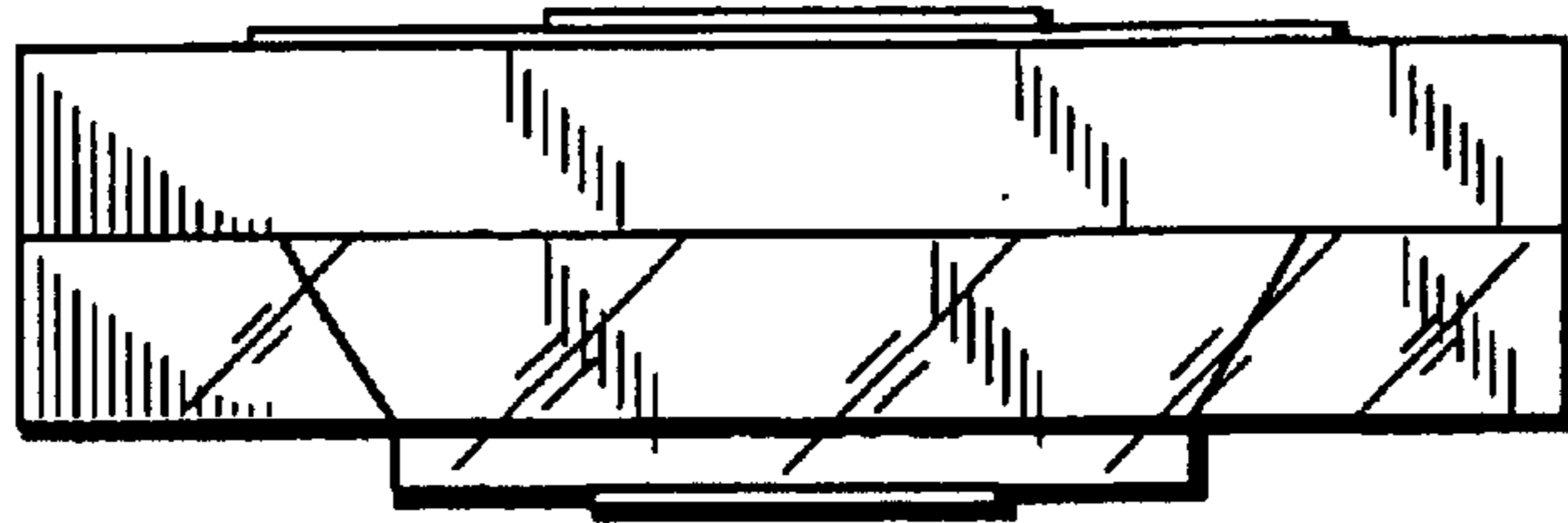


FIG.19

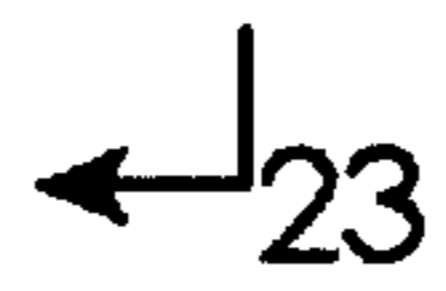
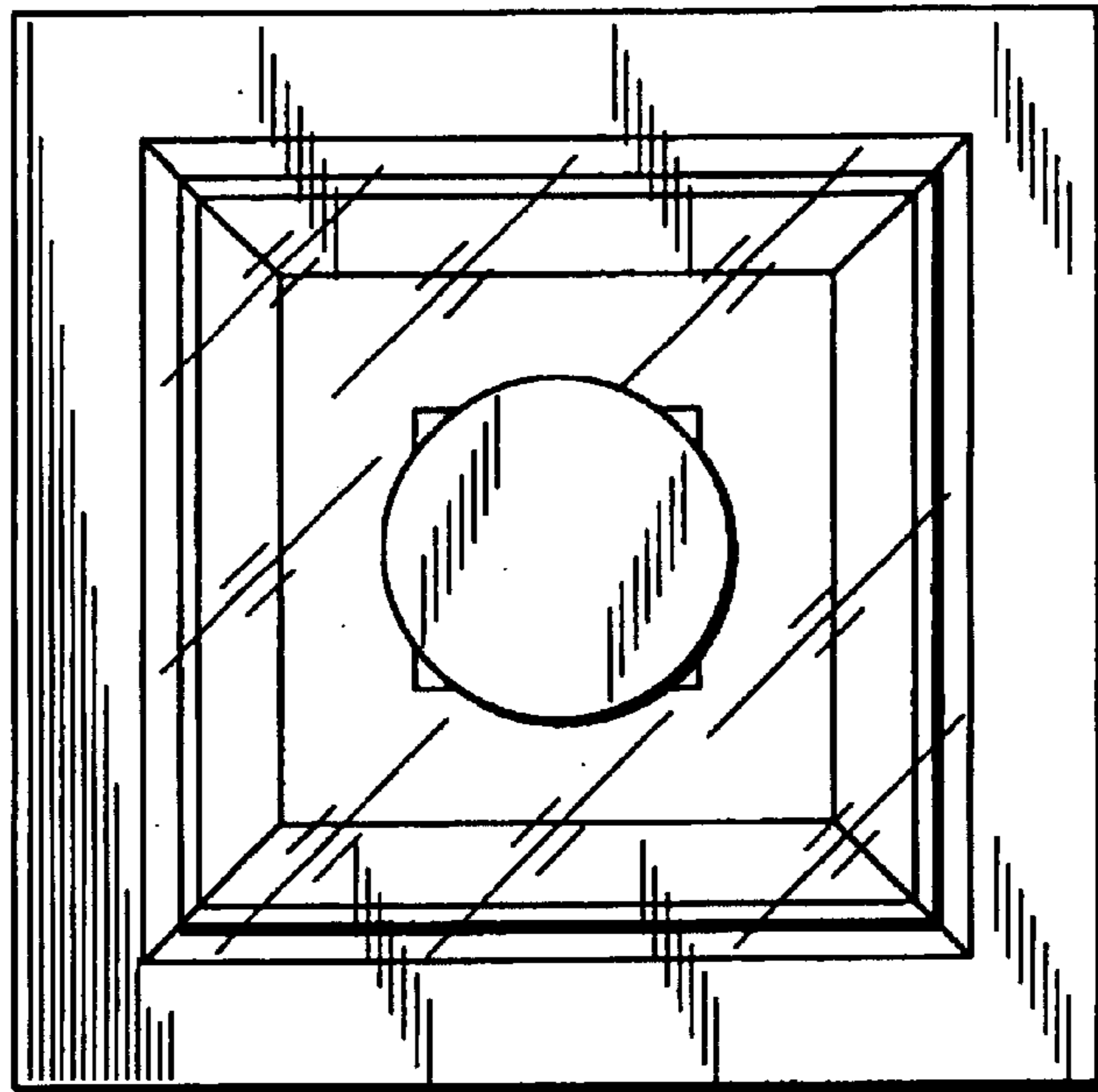
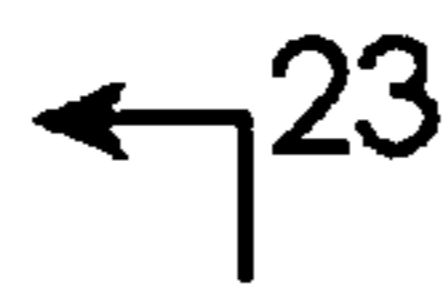


FIG.20

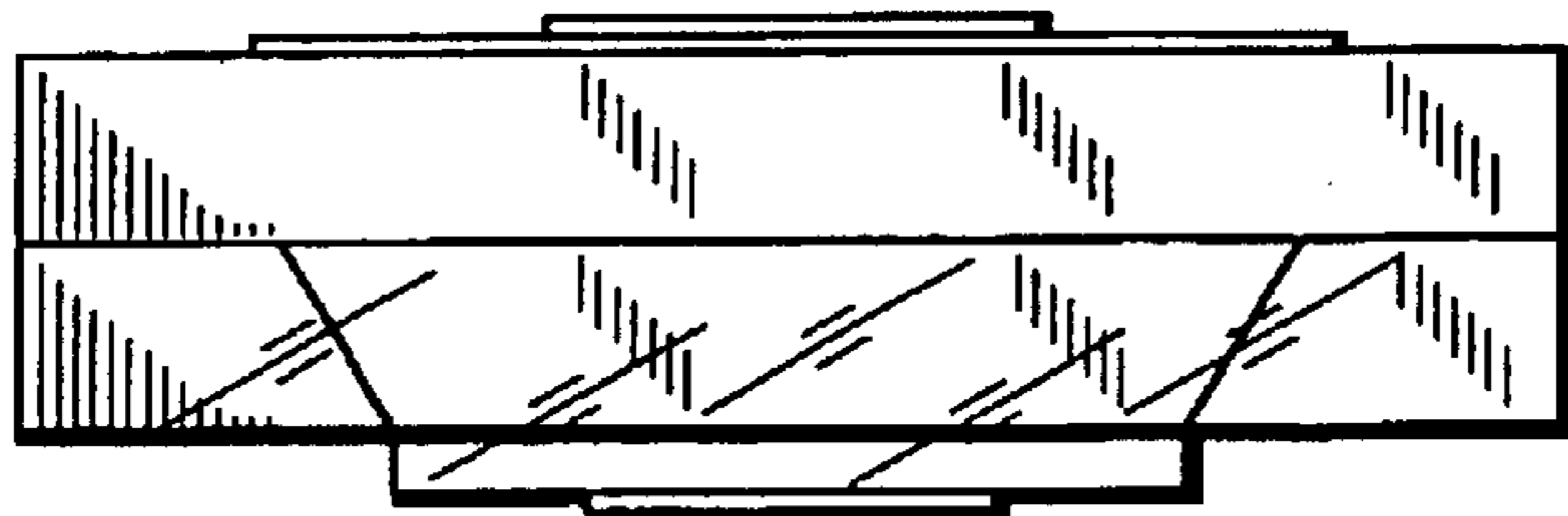


FIG.21

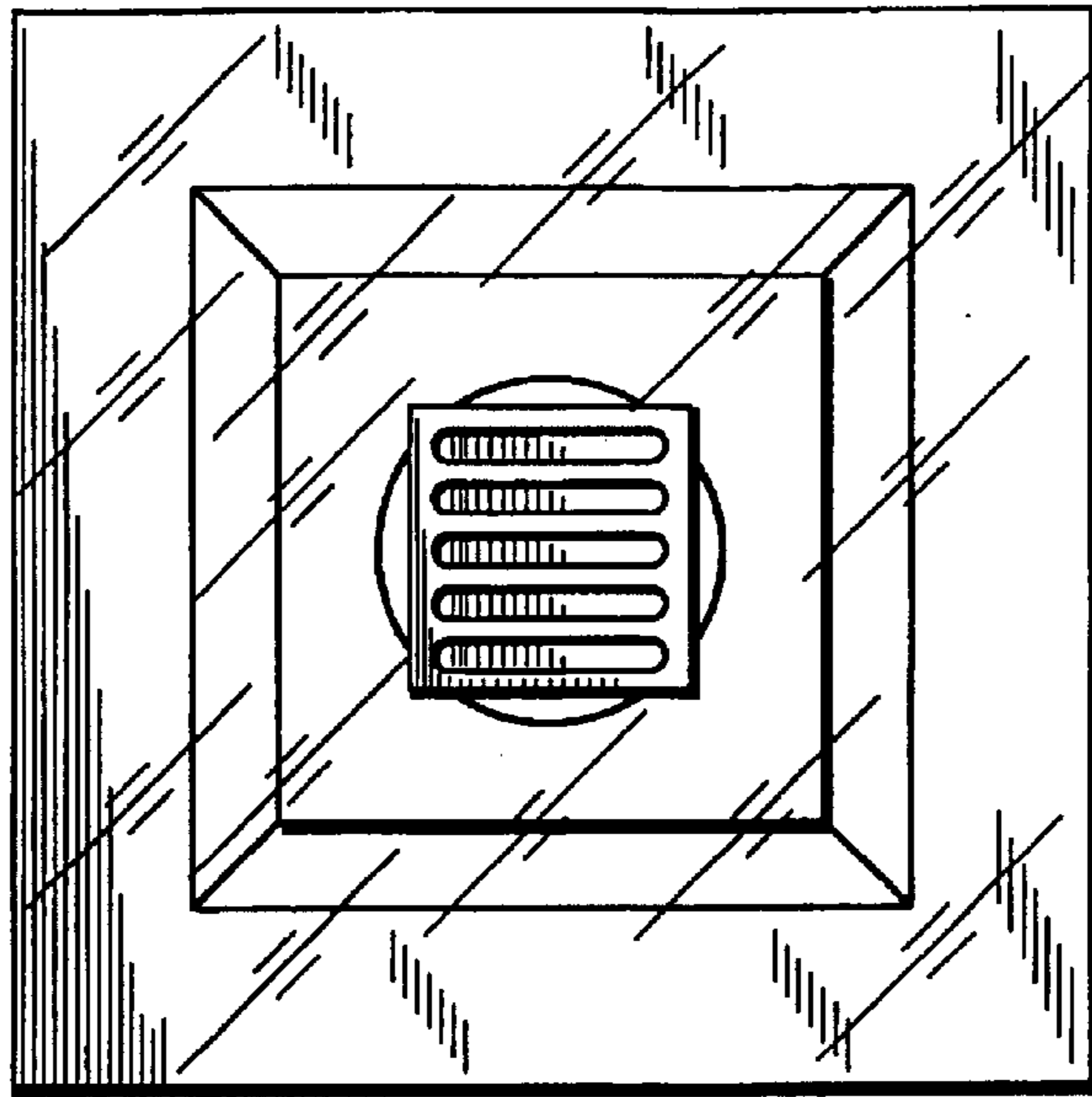


FIG. 22

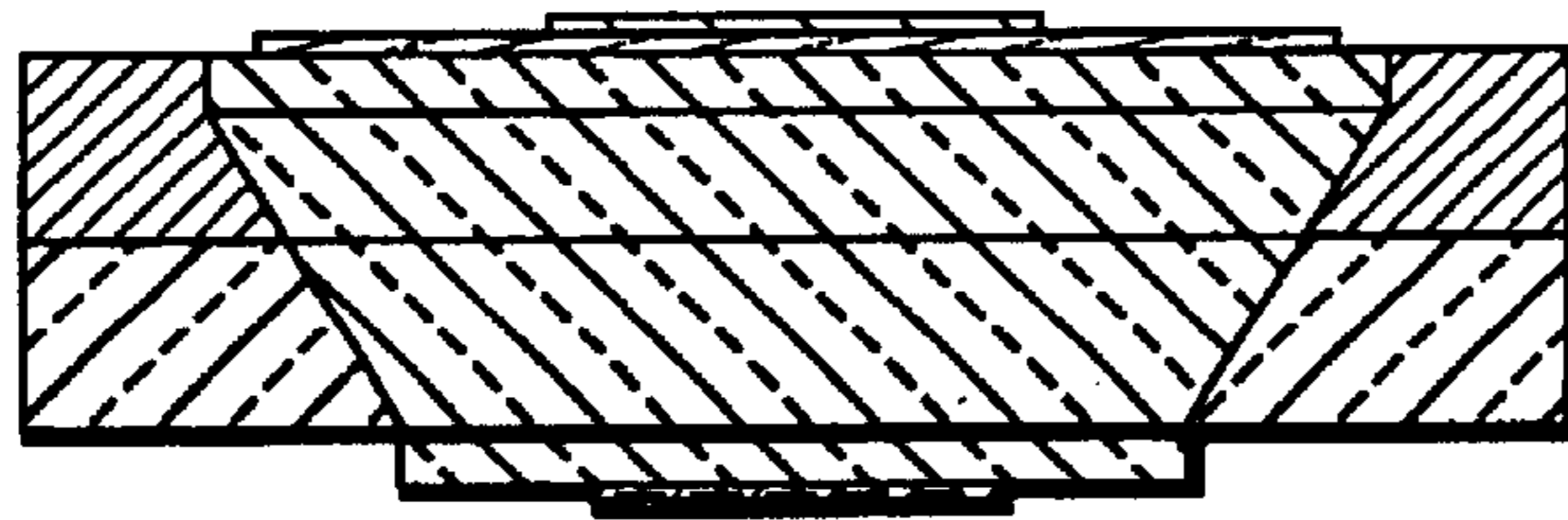


FIG. 23

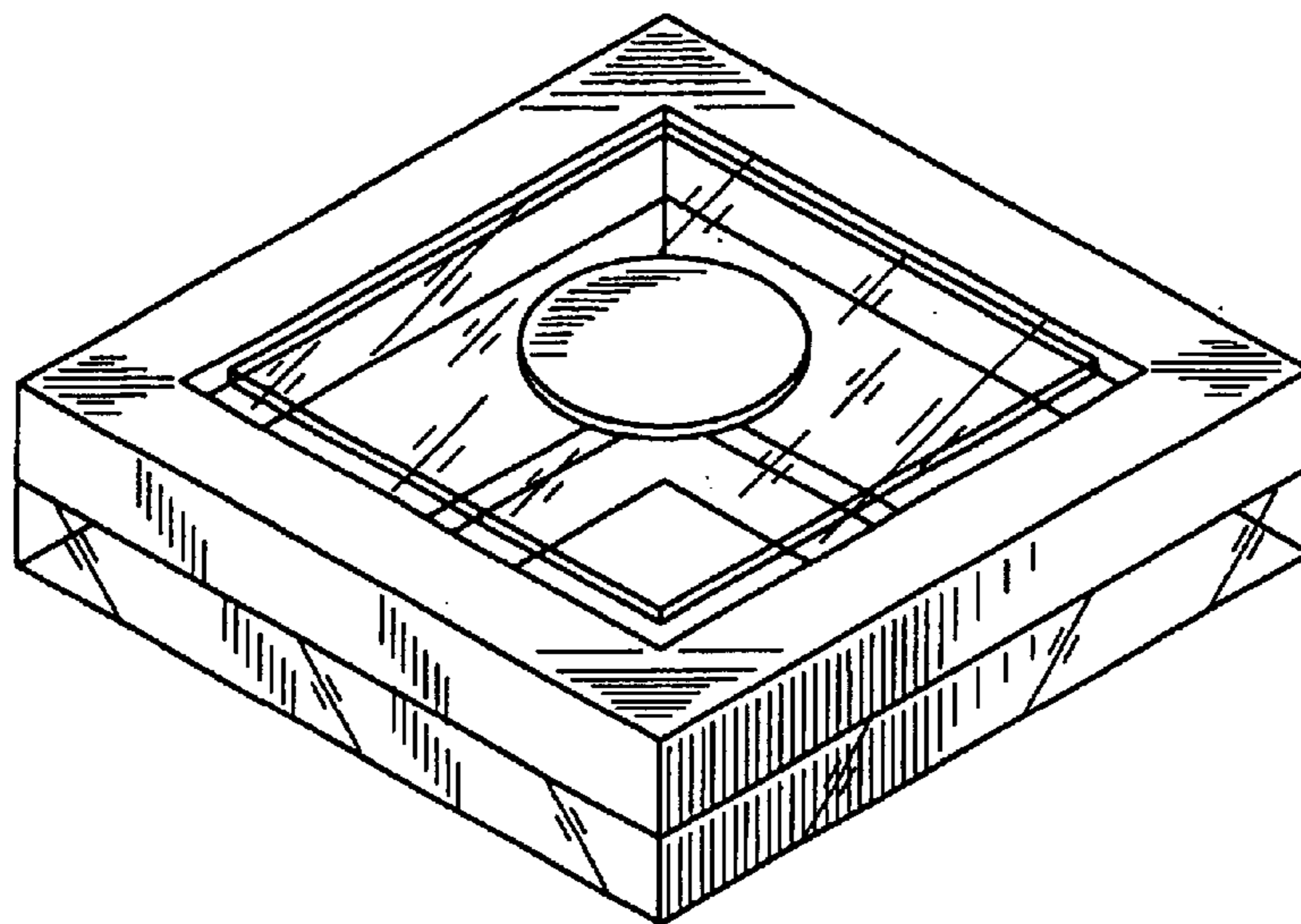


FIG. 24

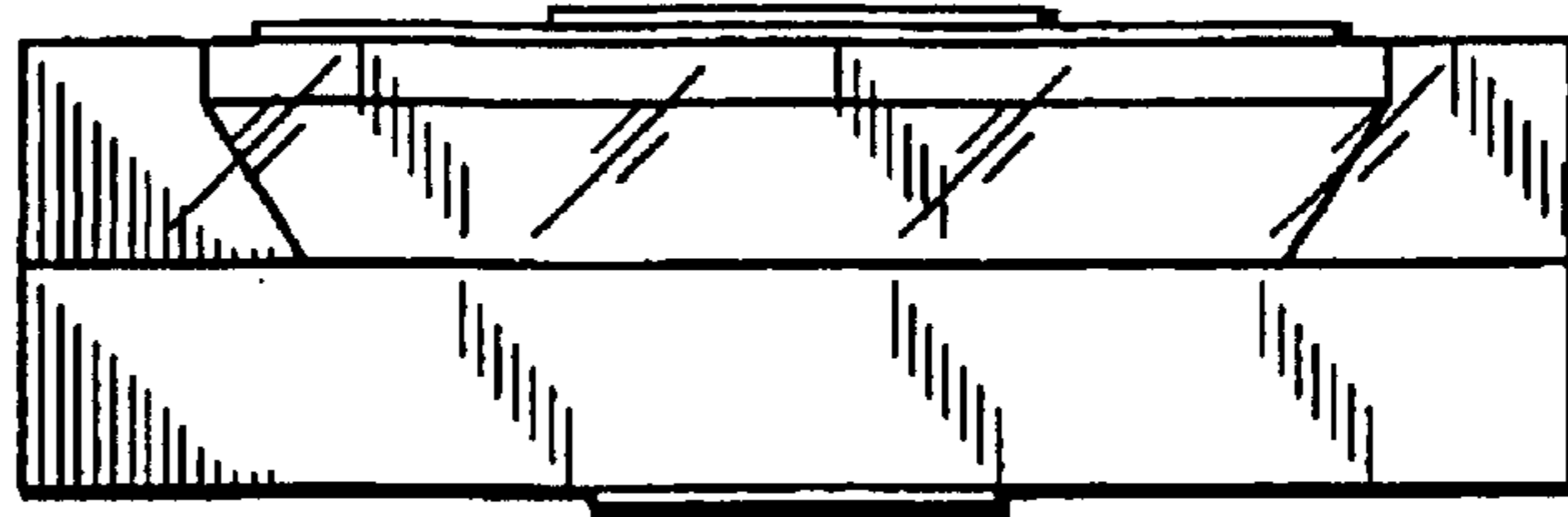
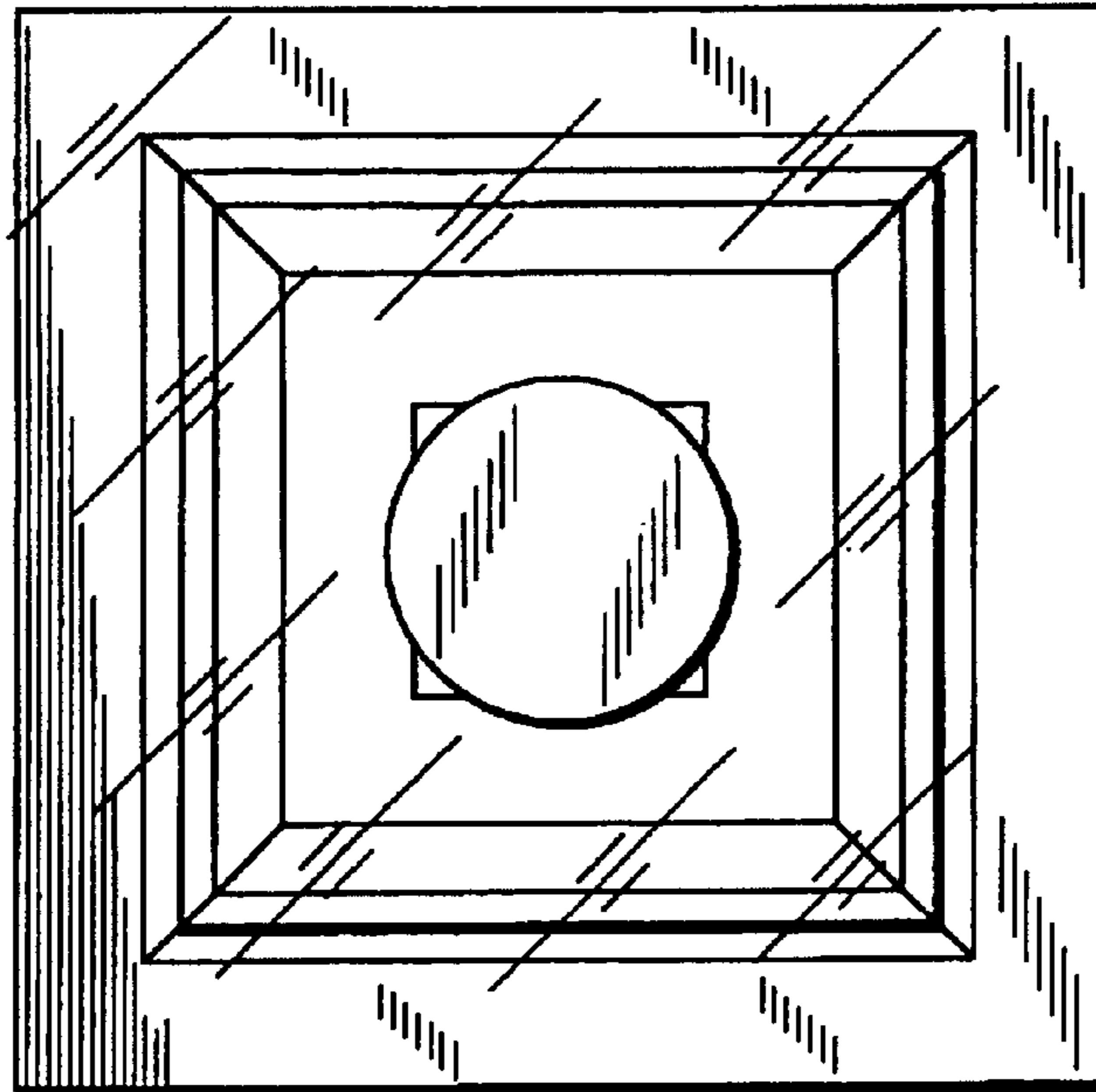


FIG. 25

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FIG. 26

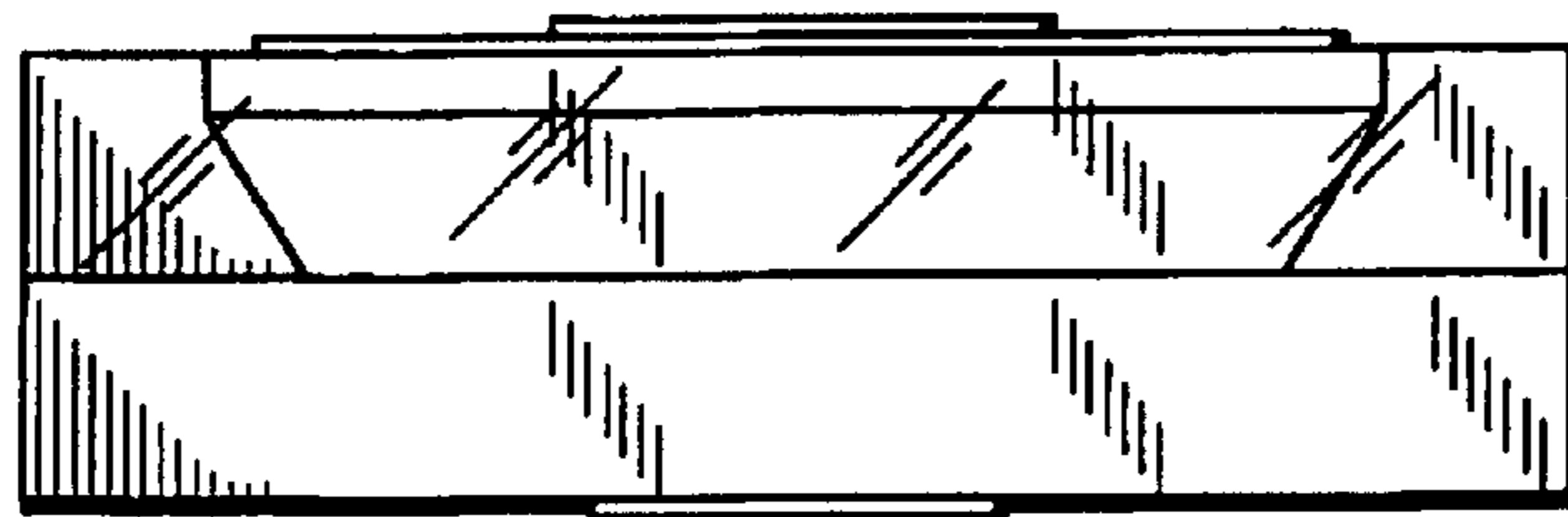


FIG. 27

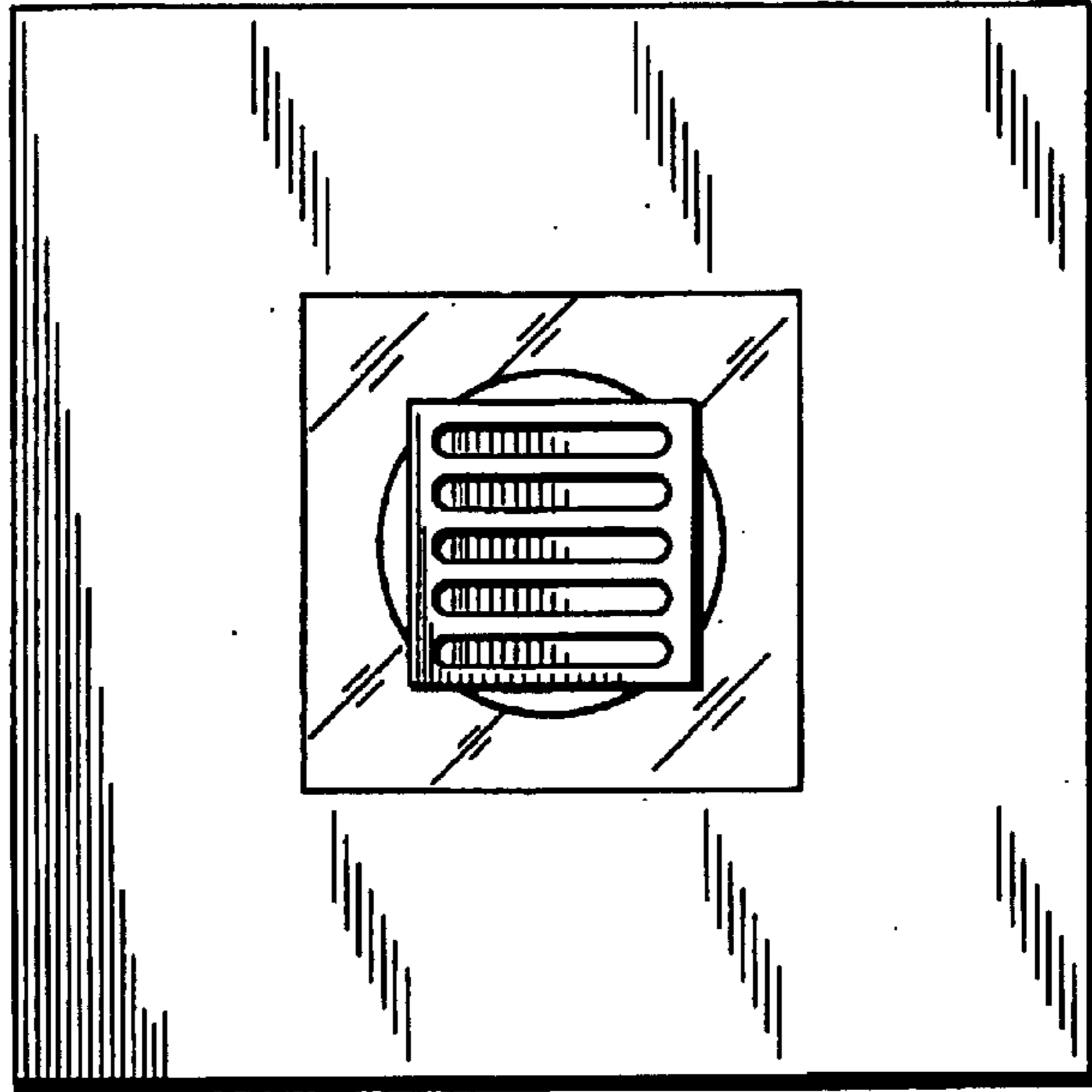


FIG. 28

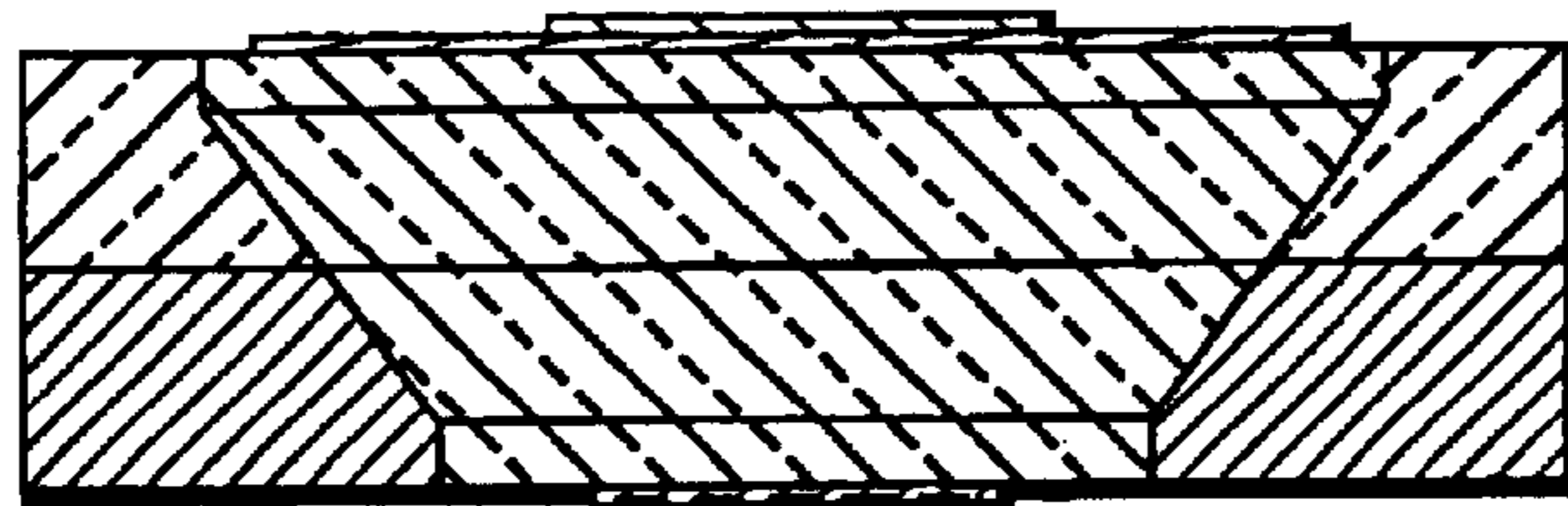


FIG. 29

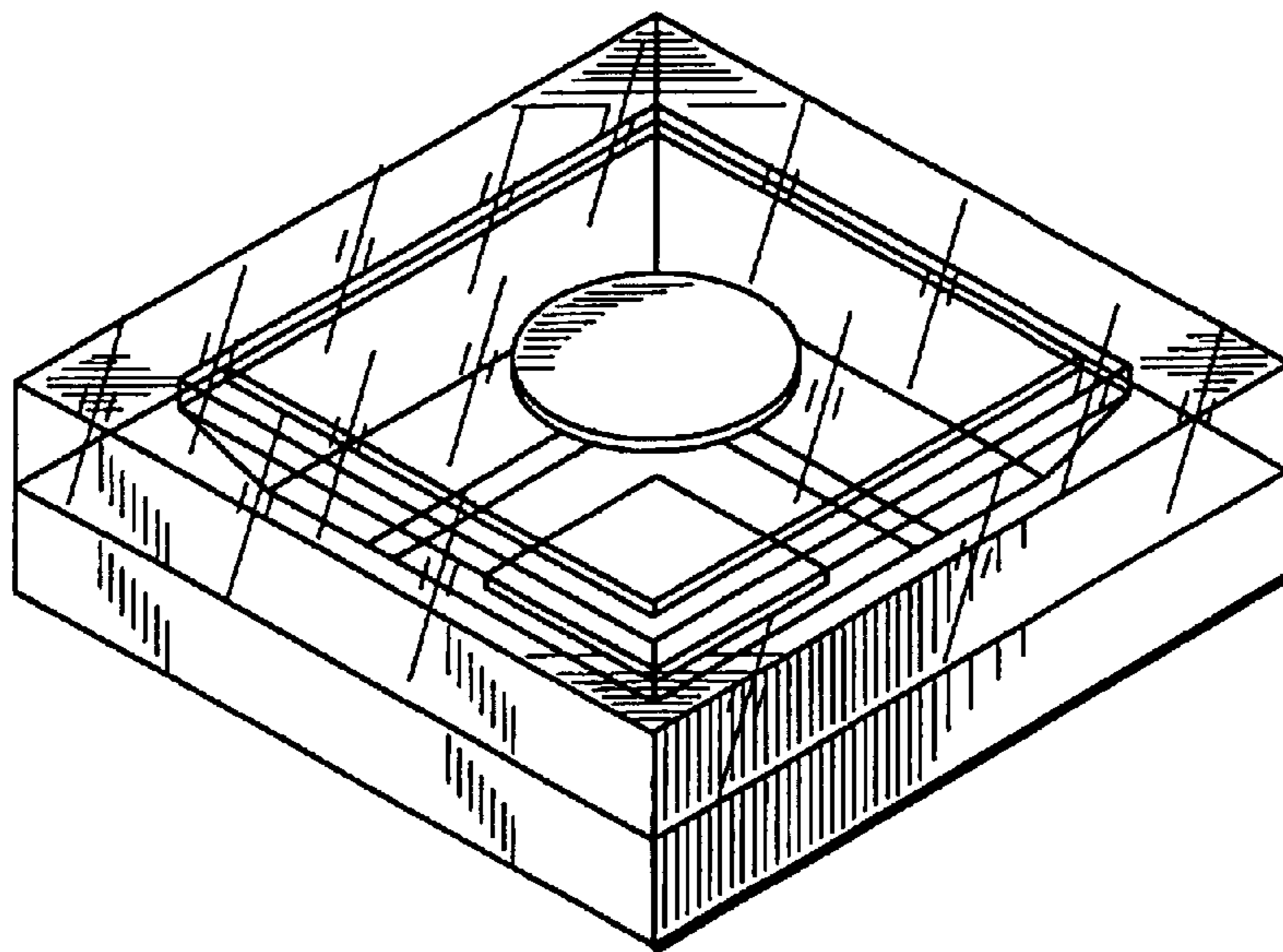


FIG. 30

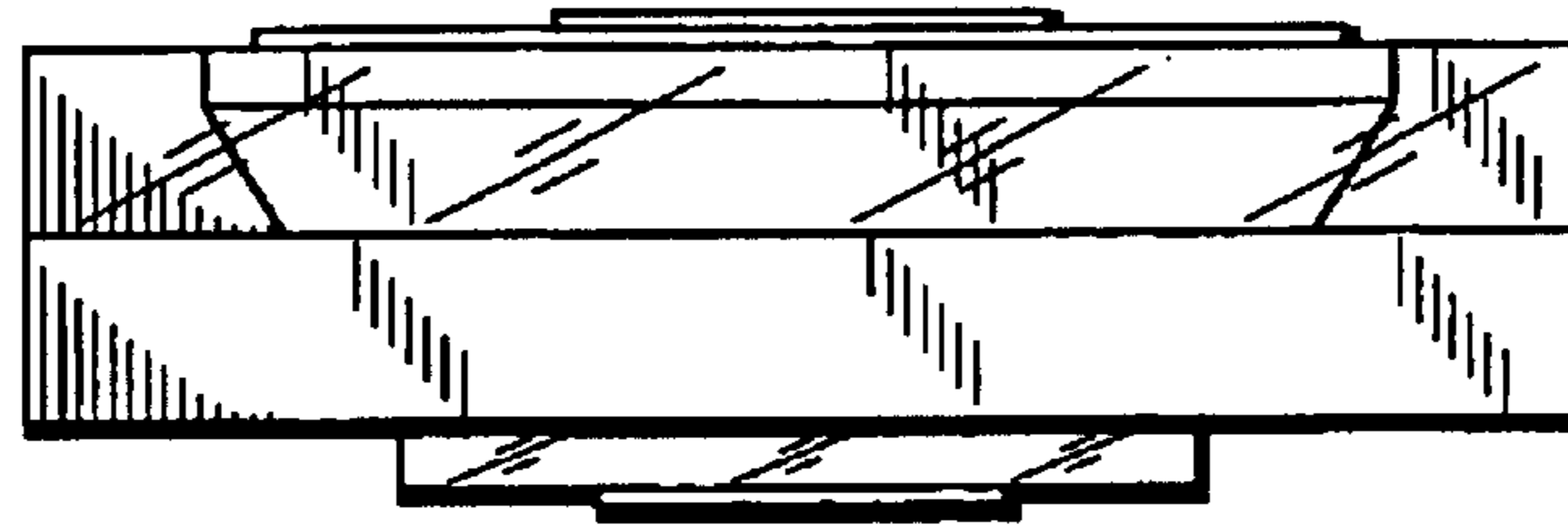
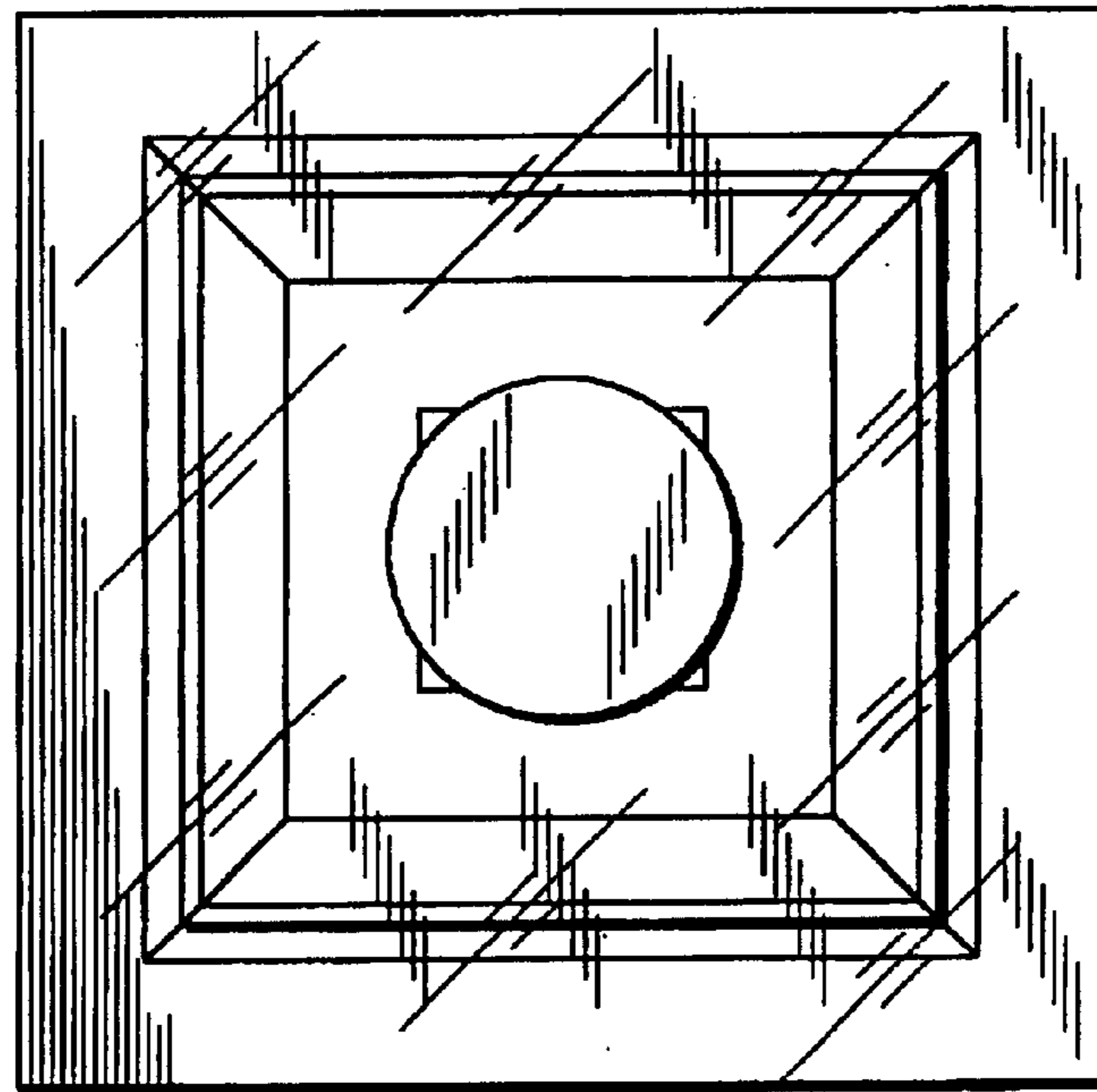


FIG.31

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FIG.32

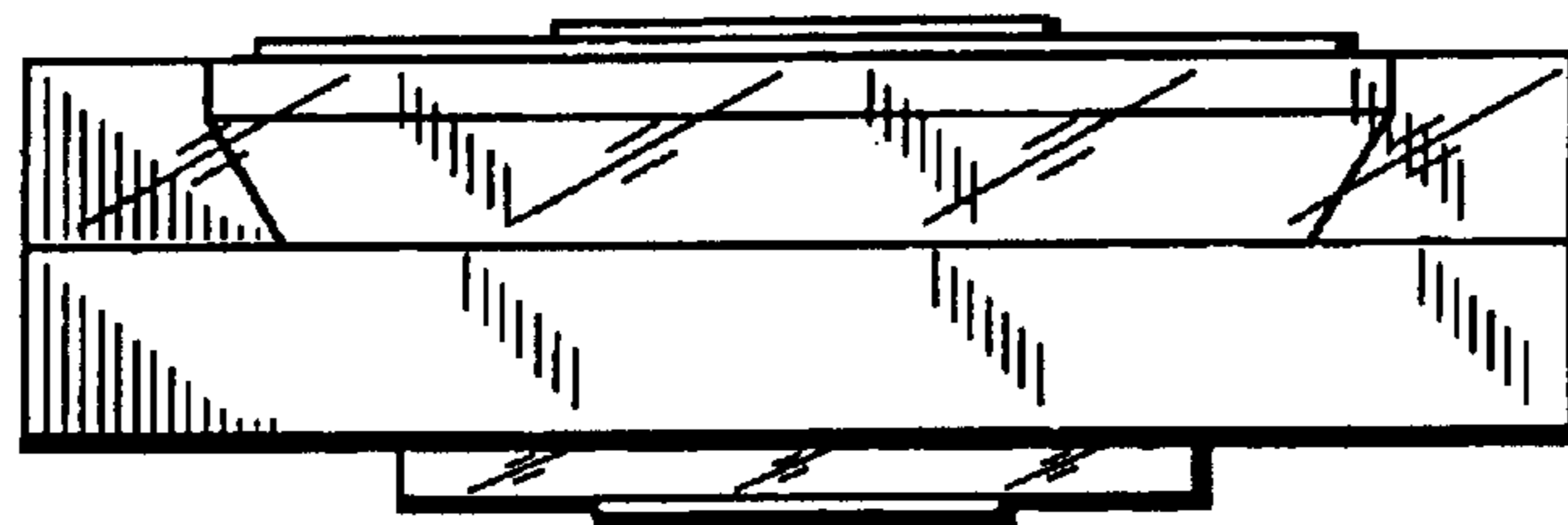


FIG.33



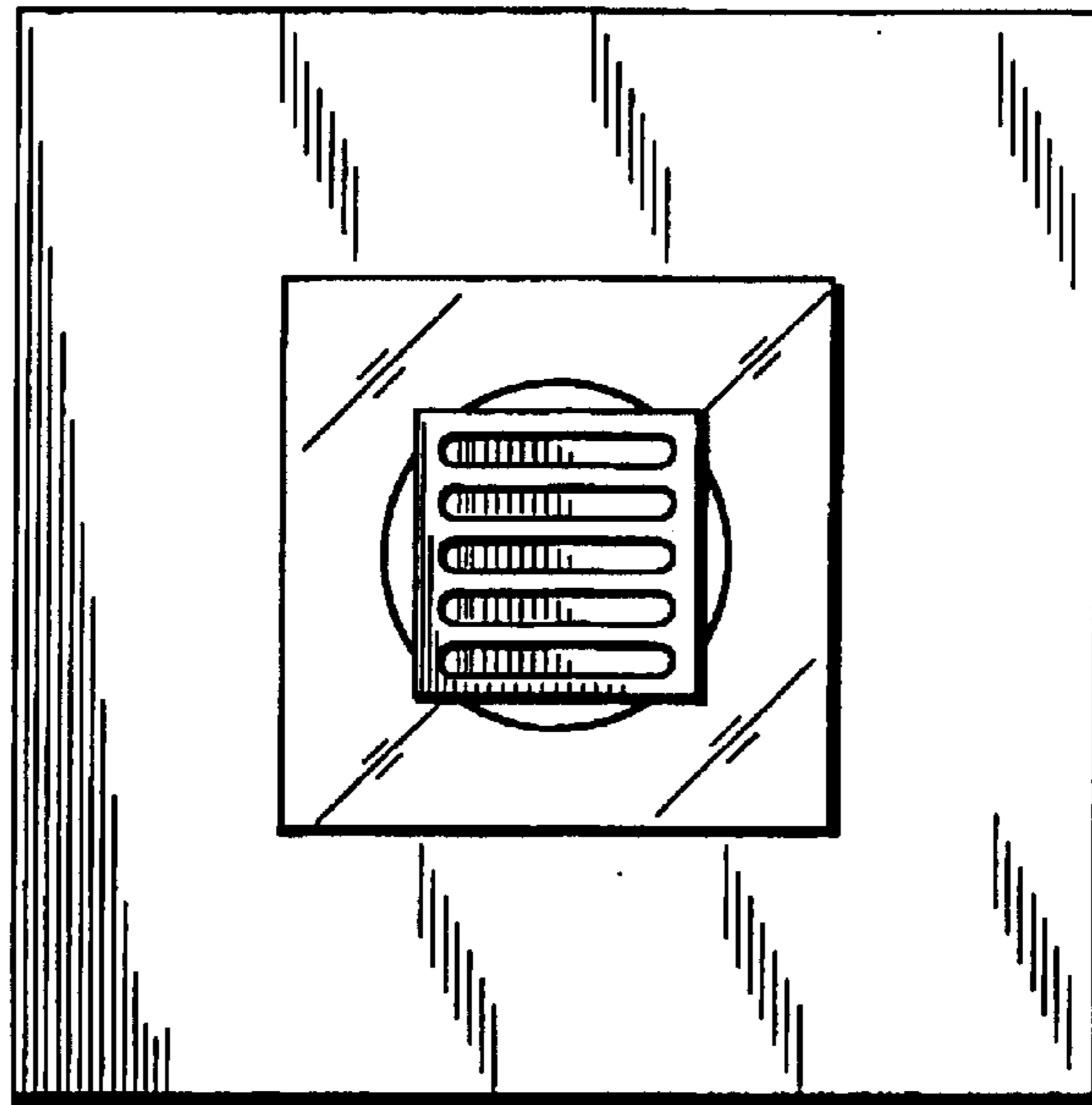


FIG.34

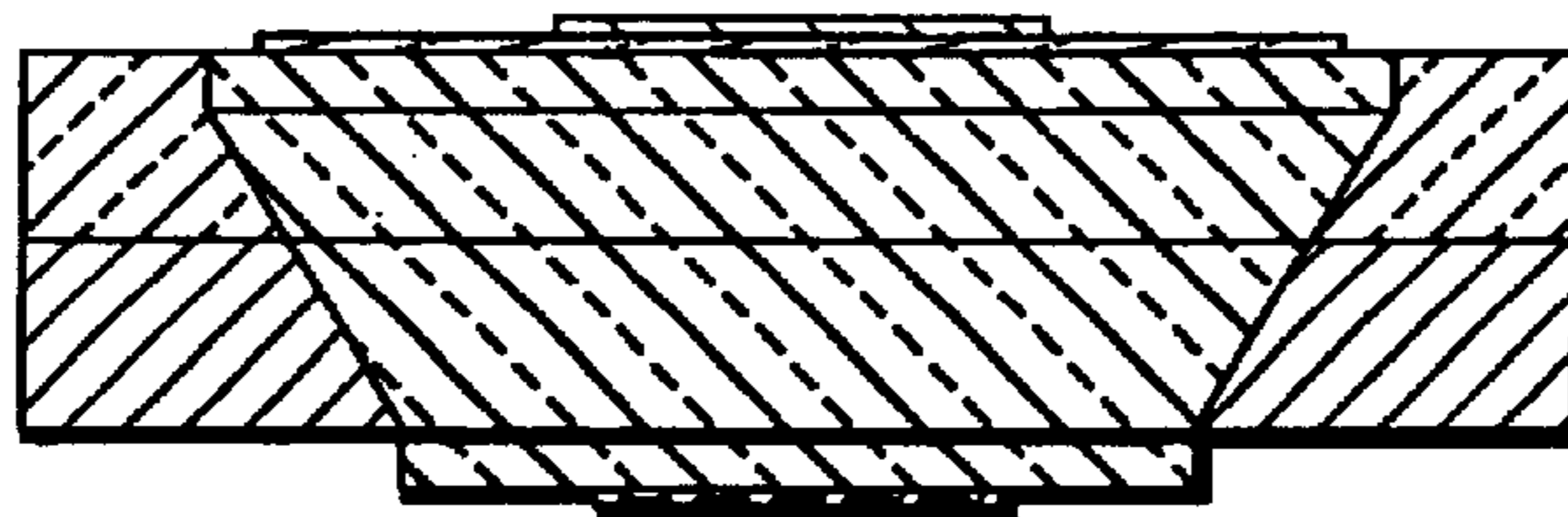


FIG.35

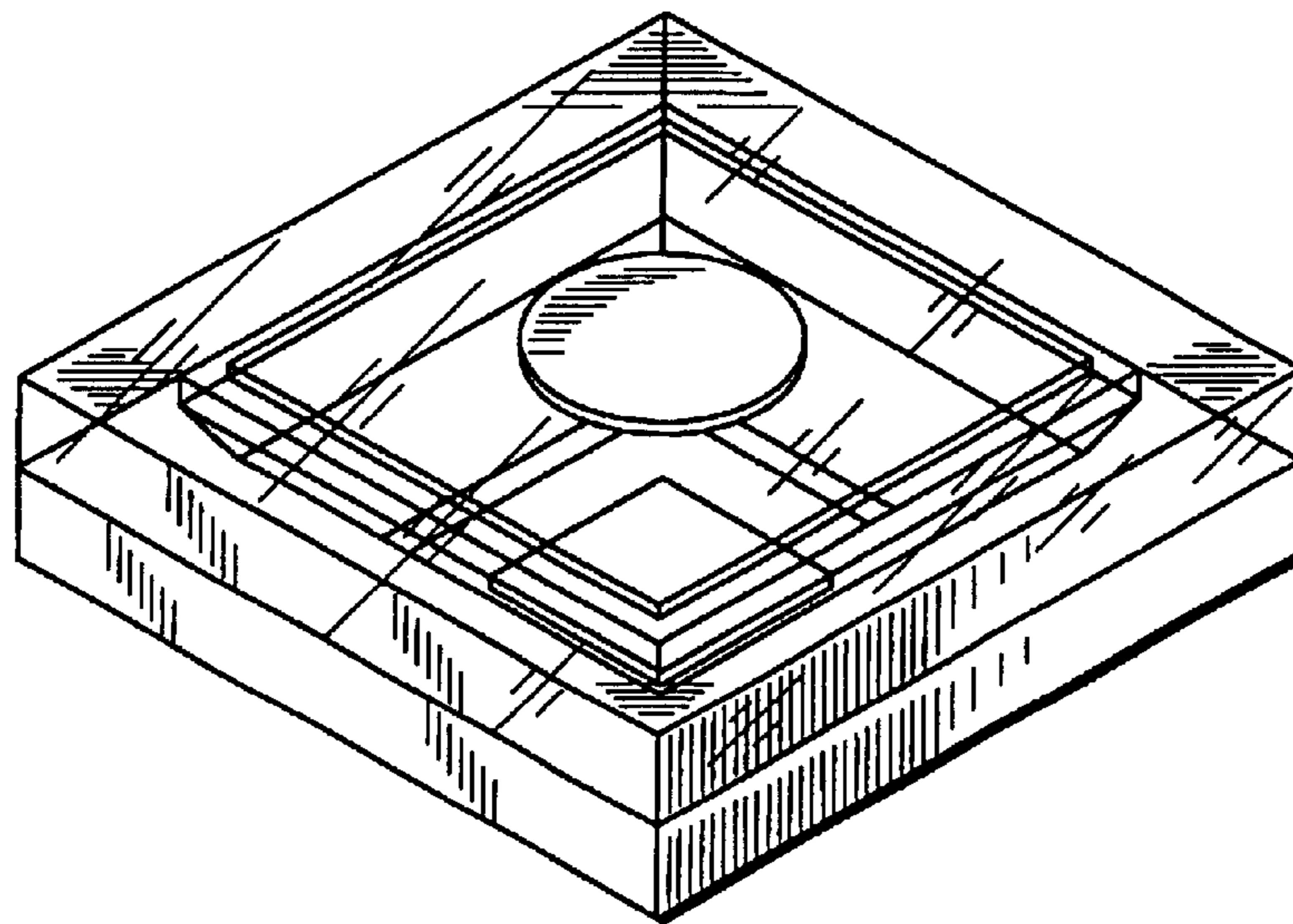


FIG.36