



US00D601102S

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

(10) **Patent No.:** **US D601,102 S**  
(45) **Date of Patent:** **\*\* Sep. 29, 2009**

(54) **LIGHT-EMITTING DIODE**

(75) Inventors: **Akira Onikiri**, Fujiyoshida (JP);  
**Daisaku Okuwaki**, Fujiyoshida (JP);  
**Naoya Kashiwagi**, Fujiyoshida (JP)

(73) Assignee: **Citizen Electronics Co., Ltd.**,  
Yamanashi (JP)

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

(21) Appl. No.: **29/324,482**

(22) Filed: **Sep. 12, 2008**

(30) **Foreign Application Priority Data**

Mar. 28, 2008 (JP) ..... D2008-007953  
Mar. 28, 2008 (JP) ..... D2008-007954  
Mar. 28, 2008 (JP) ..... D2008-007955

(51) **LOC (9) 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.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D562,270 S \* 2/2008 Shimosawa ..... D13/180  
D574,791 S \* 8/2008 Shimosawa ..... D13/180  
D576,117 S \* 9/2008 Shin et al. .... D13/180  
2004/0089866 A1\* 5/2004 Nagashima et al. .... 257/79  
2009/0009045 A1\* 1/2009 Schug et al. .... 313/1

\* cited by examiner

*Primary Examiner*—Selina Sikder

(74) *Attorney, Agent, or Firm*—Browdy and Niemark,  
P.L.L.C.

(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a perspective view of the first embodiment of the light emitting diode in accordance to the present design as viewed from upper left front;

FIG. 2 is a front elevation view thereof;

FIG. 3 is a rear elevation view thereof;

FIG. 4 is a right side elevation view, the left side being a mirror image thereof;

FIG. 5 is a top plan view thereof;

FIG. 6 is a bottom plan view thereof.

FIG. 7 is a perspective view of the second embodiment of the light emitting diode in accordance to the present design as viewed from upper left front;

FIG. 8 is a front elevation view thereof;

FIG. 9 is a rear elevation view thereof;

FIG. 10 is a right side elevation view, the left side being a mirror image thereof;

FIG. 11 is a top plan view thereof;

FIG. 12 is a bottom plan view thereof.

FIG. 13 is a perspective view of the third embodiment of the light emitting diode in accordance to the present design as viewed from upper left front;

FIG. 14 is a front elevation view thereof;

FIG. 15 is a rear elevation view thereof;

FIG. 16 is a right side elevation view, the left side being a mirror image thereof;

FIG. 17 is a top plan view thereof;

FIG. 18 is a bottom plan view thereof.

FIG. 19 is a perspective view of the fourth embodiment of the light emitting diode in accordance to the present design as viewed from upper left front;

FIG. 20 is a front elevation view thereof;

FIG. 21 is a rear elevation view thereof;

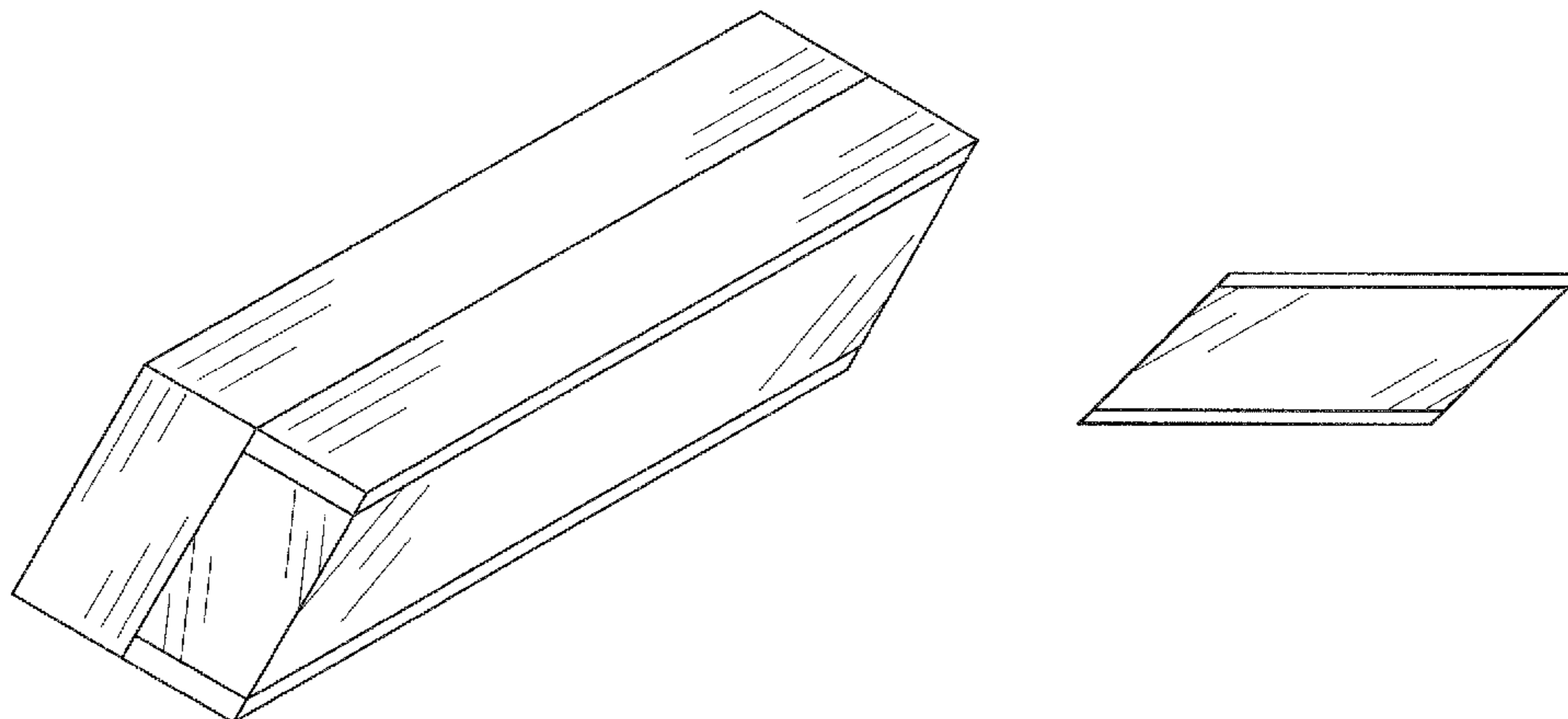


FIG. 22 is a right side elevation view, the left side being a mirror image thereof;

FIG. 23 is a top plan view thereof;

FIG. 24 is a bottom plan view thereof.

FIG. 25 is a perspective view of the fifth embodiment of the light emitting diode in accordance to the present design as viewed from upper left front;

FIG. 26 is a front elevation view thereof;

FIG. 27 is a rear elevation view thereof;

FIG. 28 is a right side elevation view, the left side being a mirror image thereof;

FIG. 29 is a top plan view thereof;

FIG. 30 is a bottom plan view thereof.

FIG. 31 is a perspective view of the sixth embodiment of the light emitting diode in accordance to the present design as viewed from upper left front;

FIG. 32 is a front elevation view thereof;

FIG. 33 is a rear elevation view thereof;

FIG. 34 is a right side elevation view, the left side being a mirror image thereof;

FIG. 35 is a top plan view thereof;

FIG. 36 is a bottom plan view thereof.

FIG. 37 is a perspective view of the seventh embodiment of the light emitting diode in accordance to the present design as viewed from upper left front;

FIG. 38 is a front elevation view thereof;

FIG. 39 is a rear elevation view thereof;

FIG. 40 is a right side elevation view, the left side being a mirror image thereof;

FIG. 41 is a top plan view thereof;

FIG. 42 is a bottom plan view thereof.

FIG. 43 is a perspective view of the eighth embodiment of the light emitting diode in accordance to the present design as viewed from upper left front;

FIG. 44 is a front elevation view thereof;

FIG. 45 is a rear elevation view thereof;

FIG. 46 is a right side elevation view, the left side being a mirror image thereof;

FIG. 47 is a top plan view thereof;

FIG. 48 is a bottom plan view thereof.

FIG. 49 is a perspective view of the ninth embodiment of the light emitting diode in accordance to the present design as viewed from upper left front;

FIG. 50 is a front elevation view thereof;

FIG. 51 is a rear elevation view thereof;

FIG. 52 is a right side elevation view, the left side being a mirror image thereof;

FIG. 53 is a top plan view thereof; and,

FIG. 54 is a bottom plan view thereof.

**1 Claim, 18 Drawing Sheets**

Fig. 1

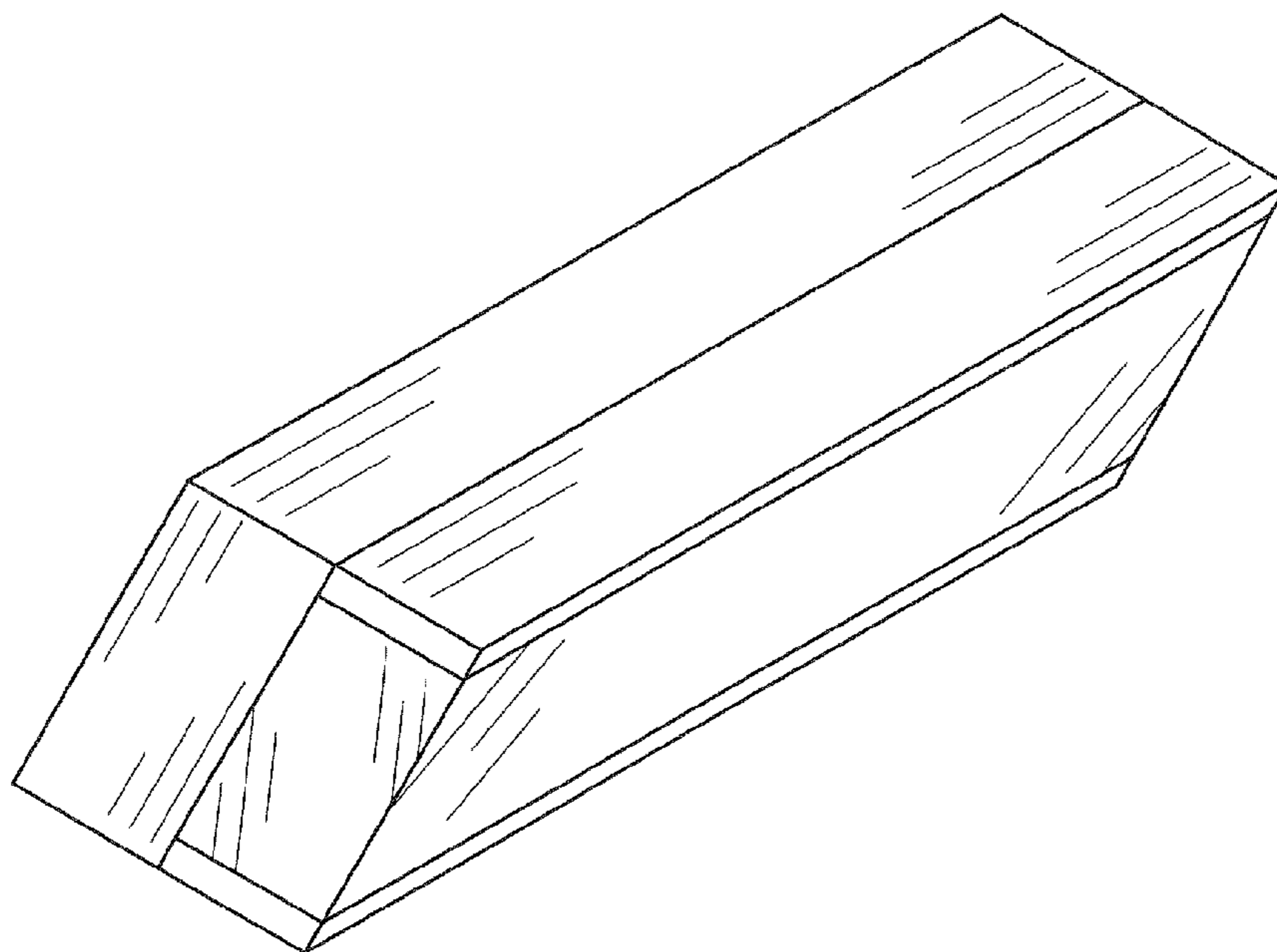


Fig. 2

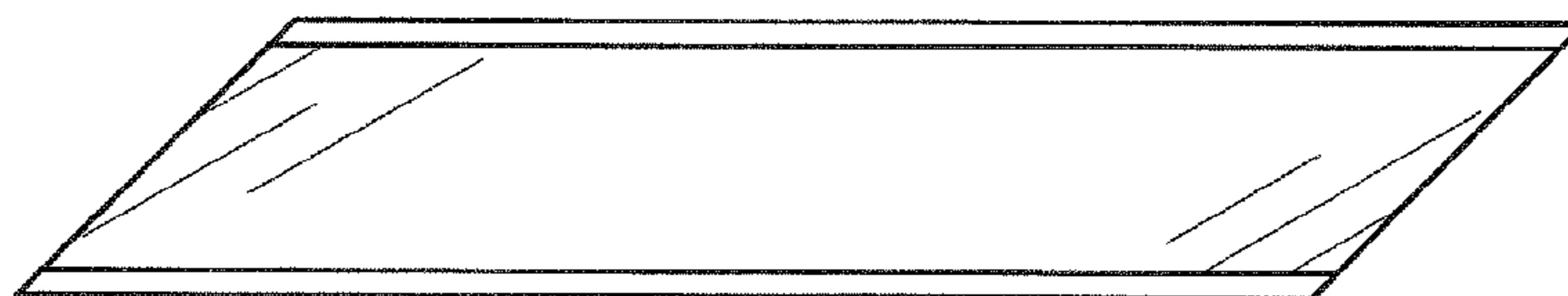


Fig. 3

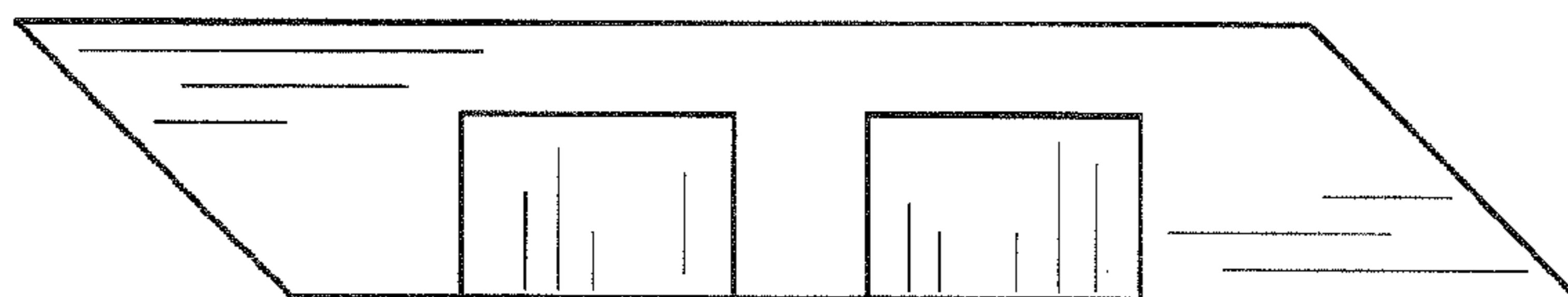


Fig. 4

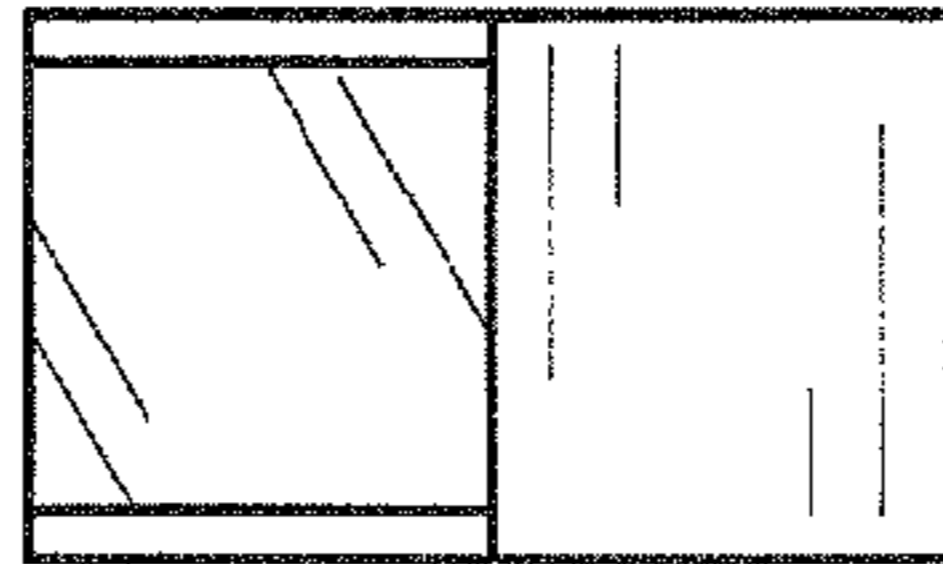


Fig. 5

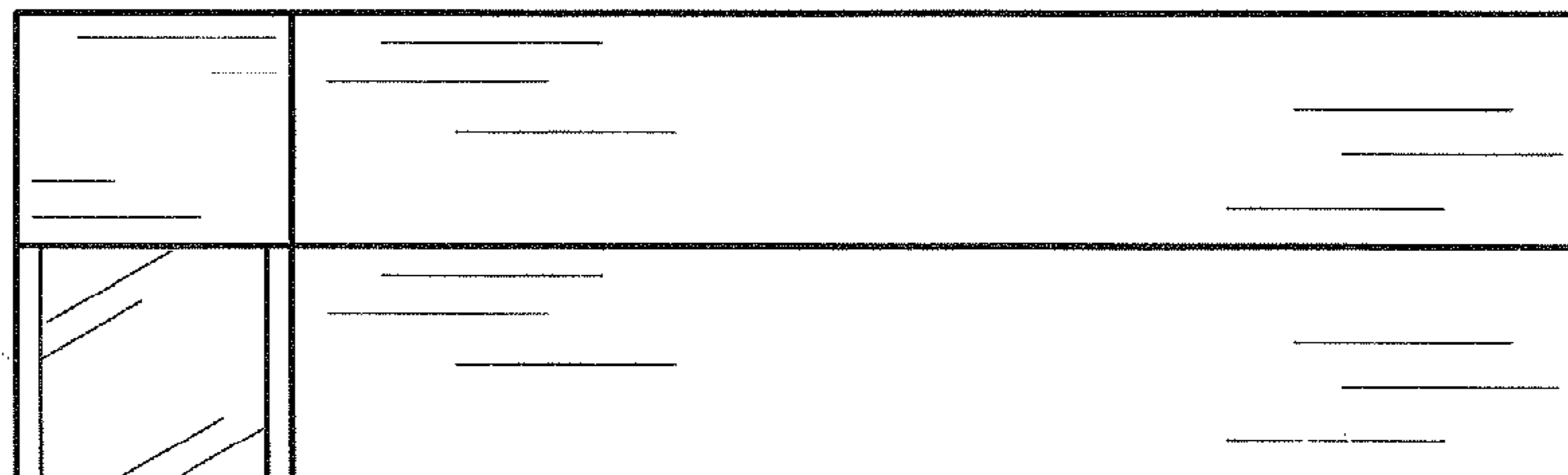


Fig. 6

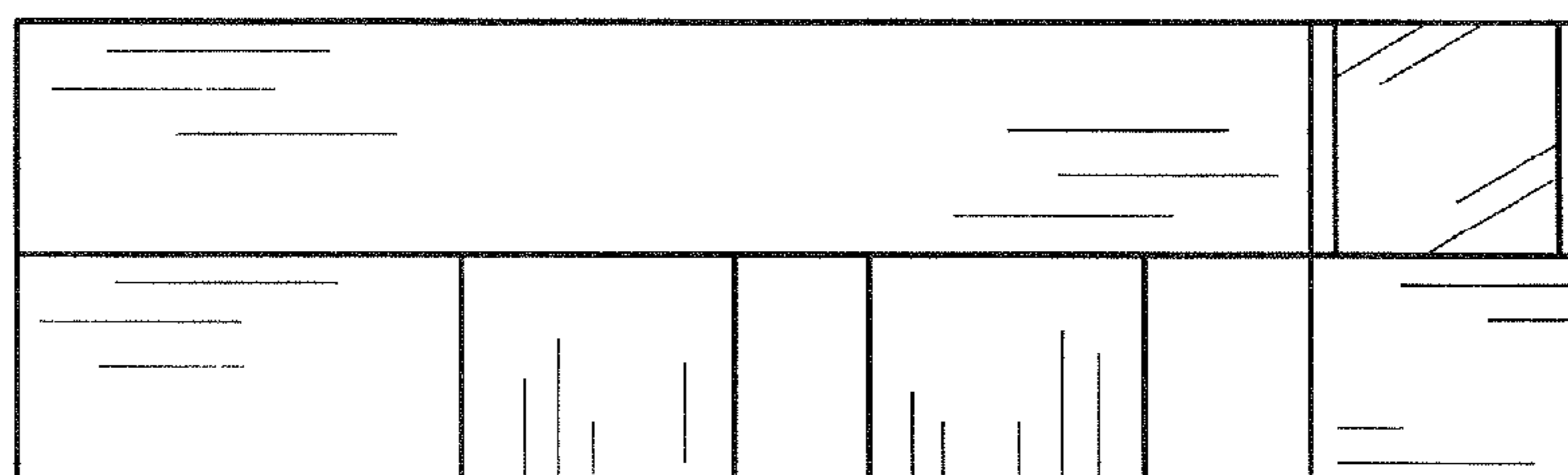




Fig. 7

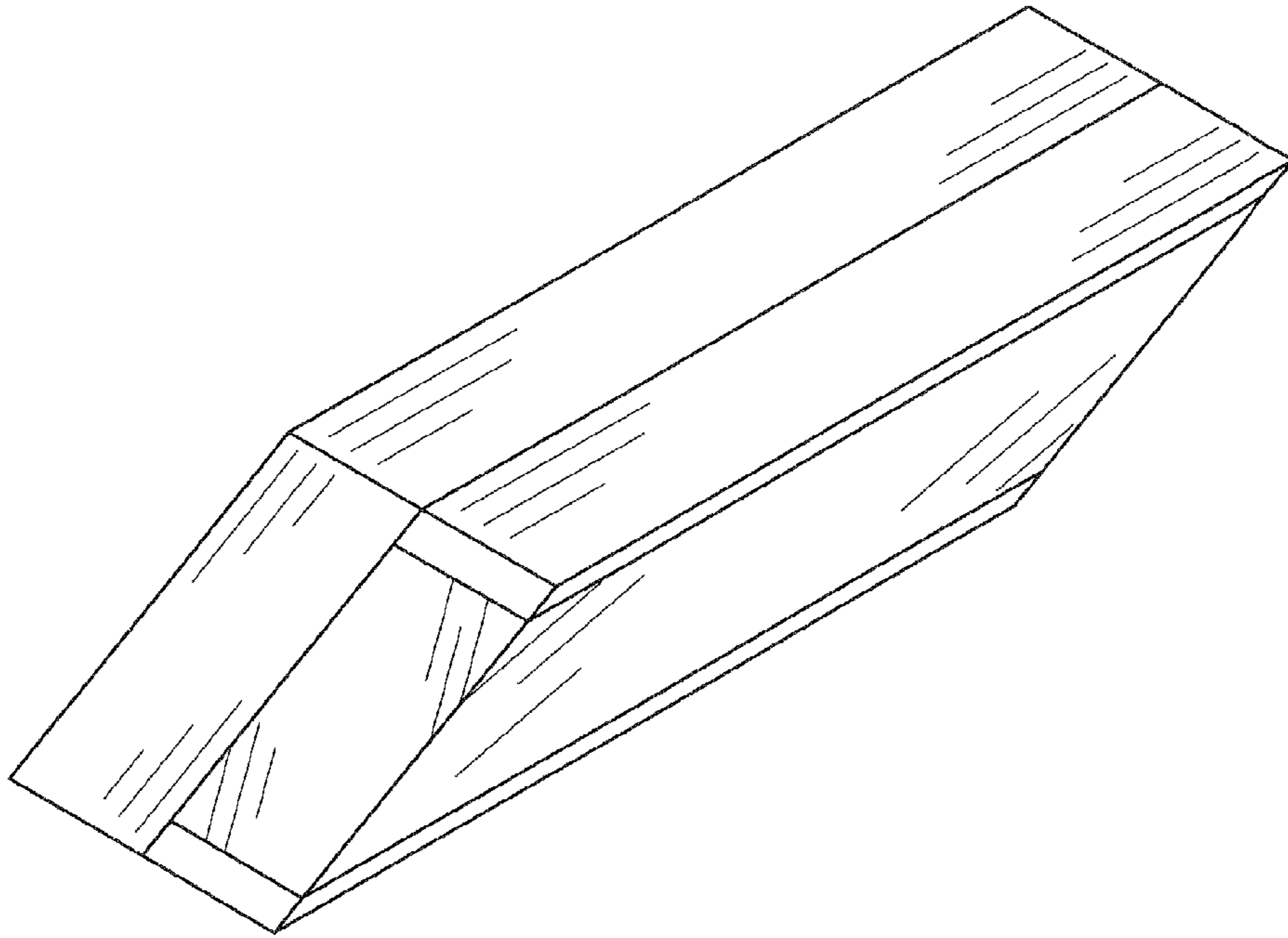


Fig. 8

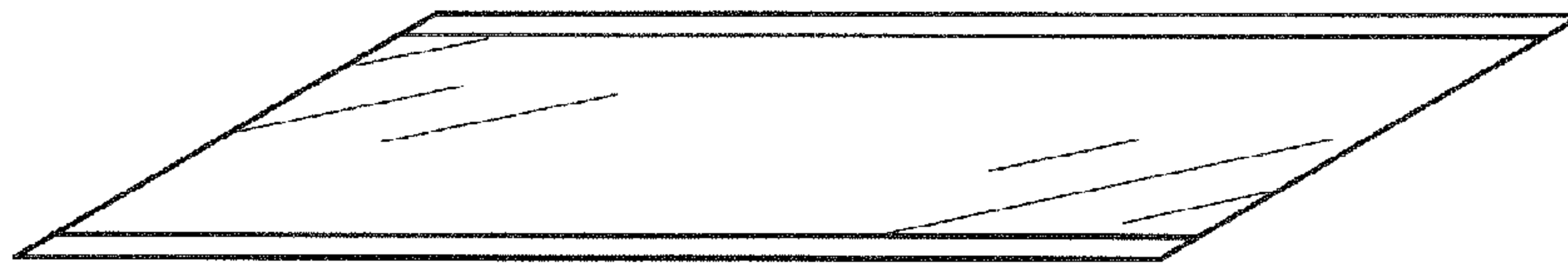


Fig. 9

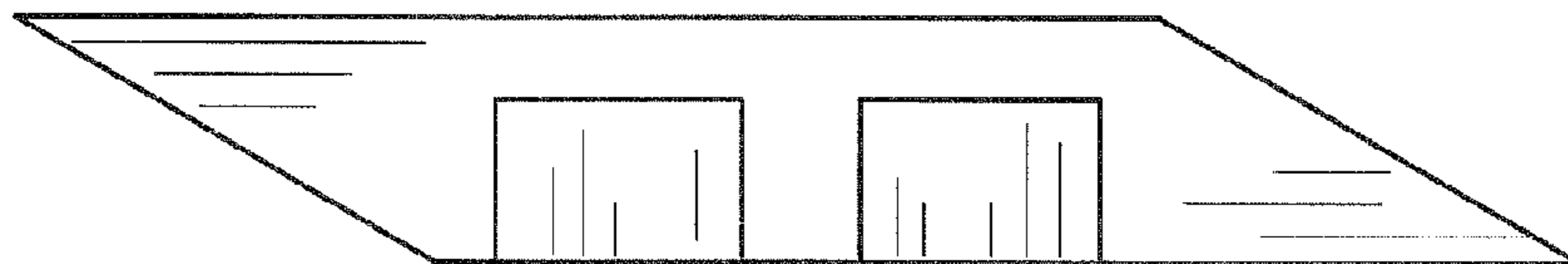


Fig. 10

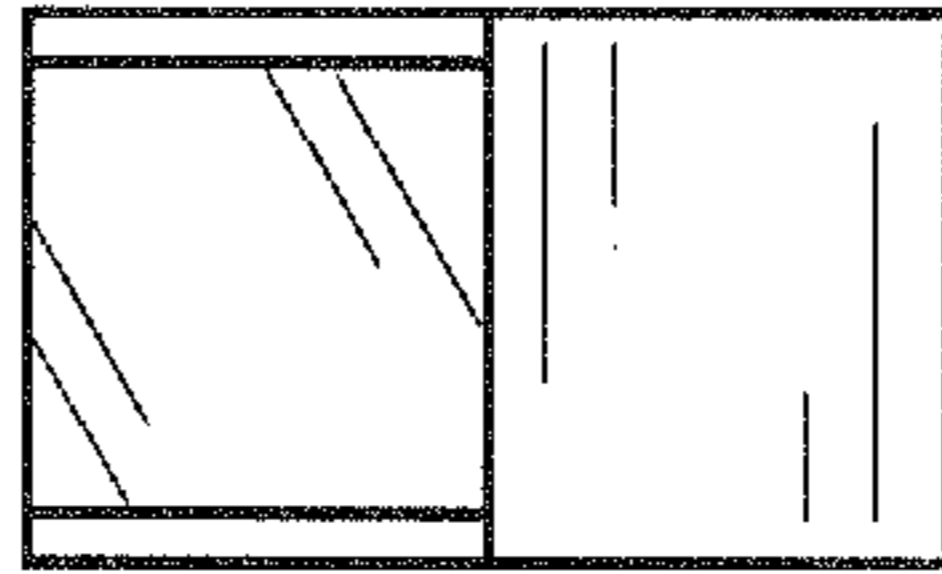


Fig. 11

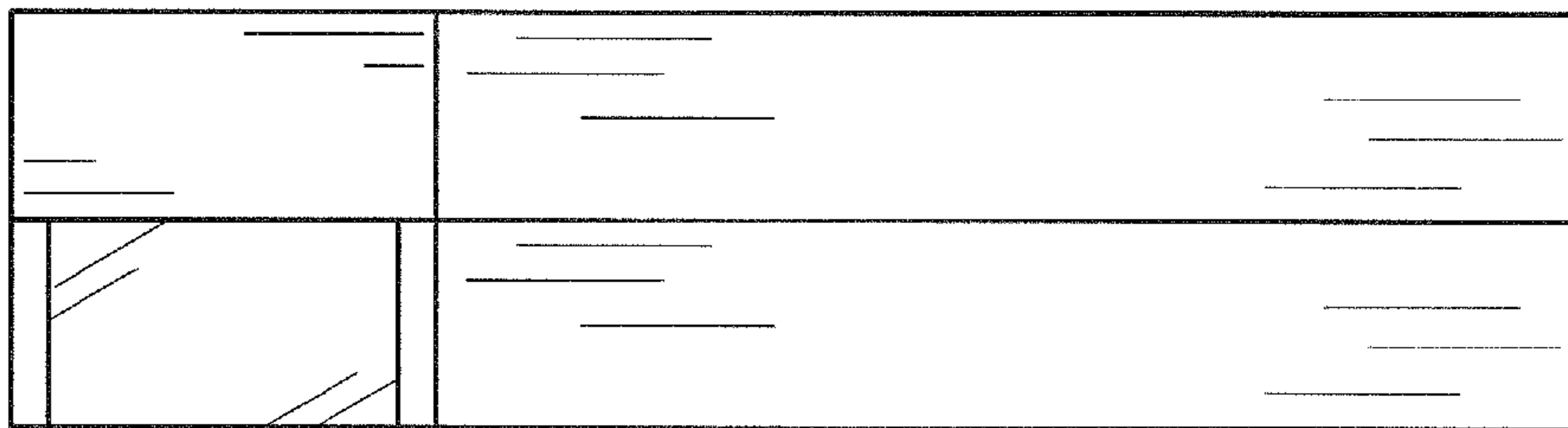


Fig. 12

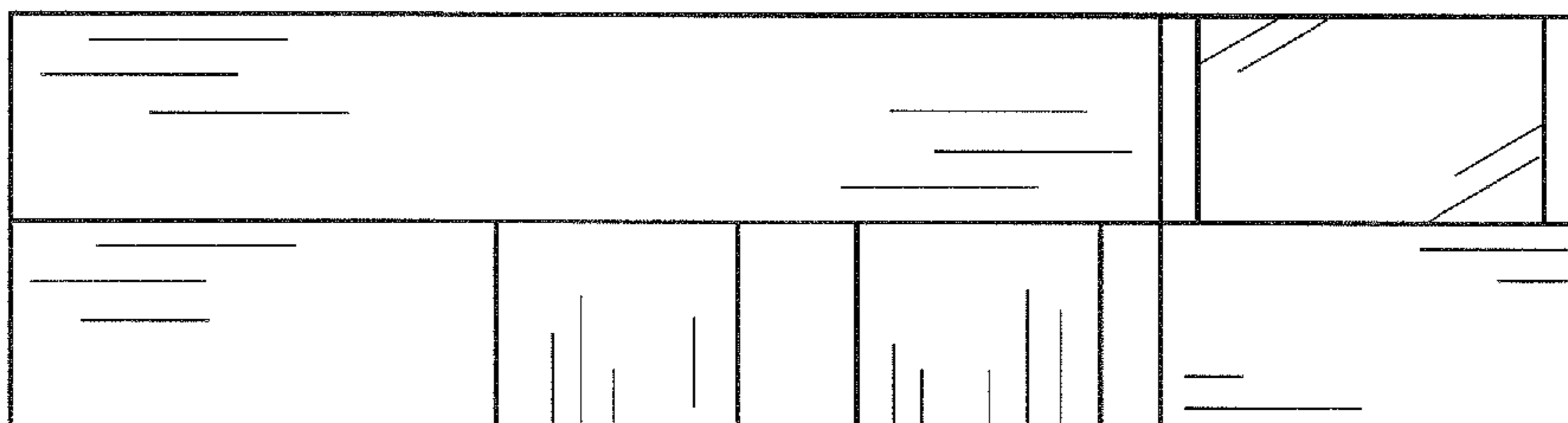


Fig. 13

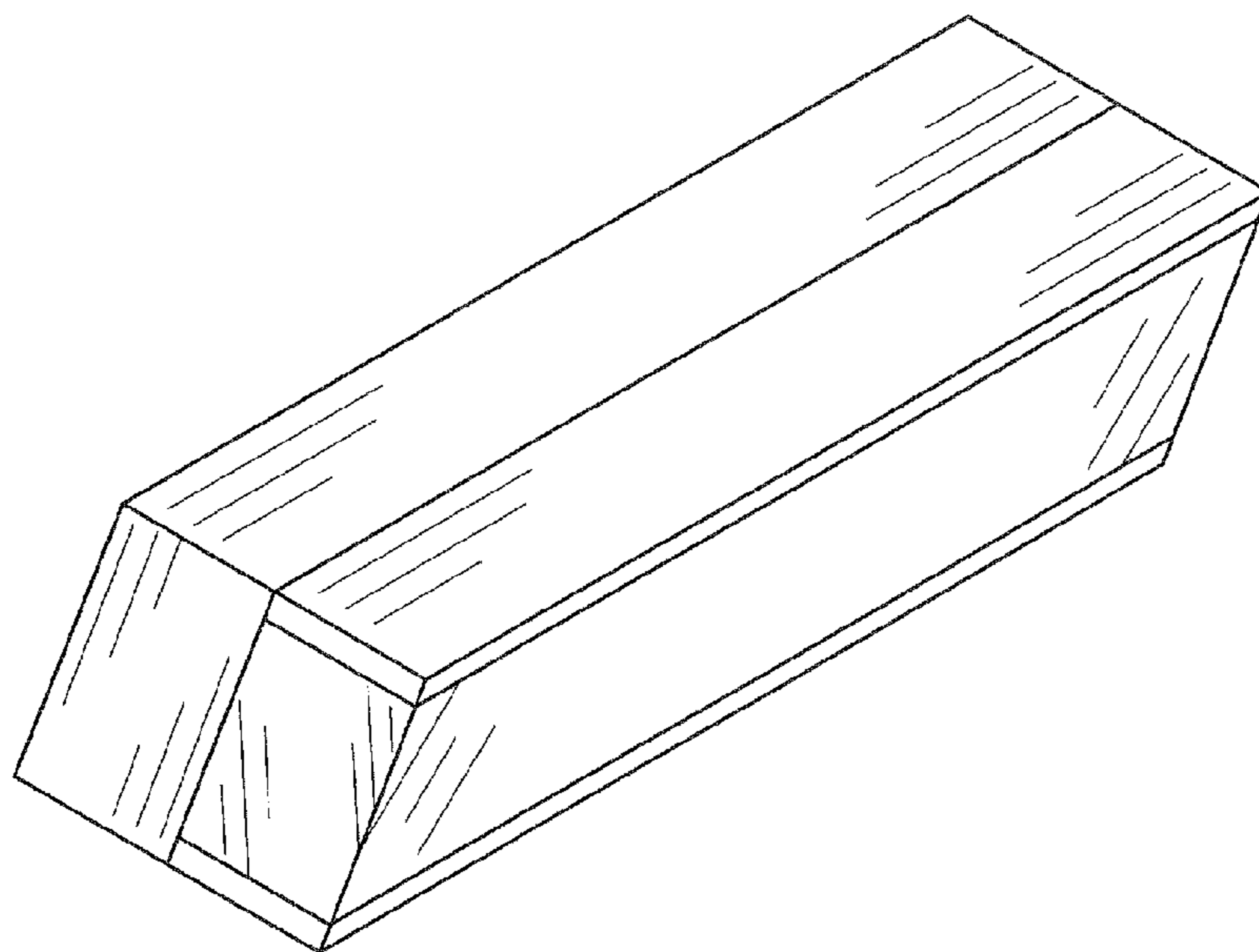


Fig. 14

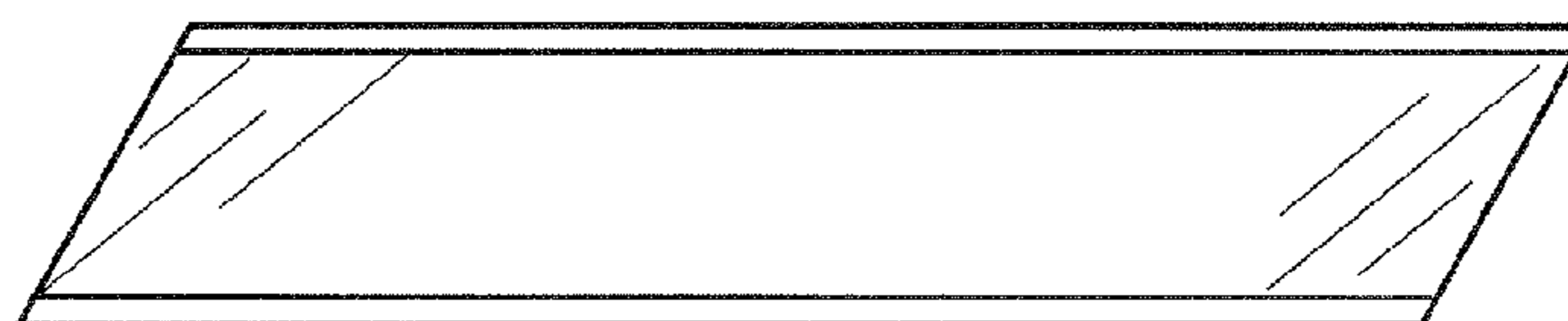


Fig. 15



Fig. 16

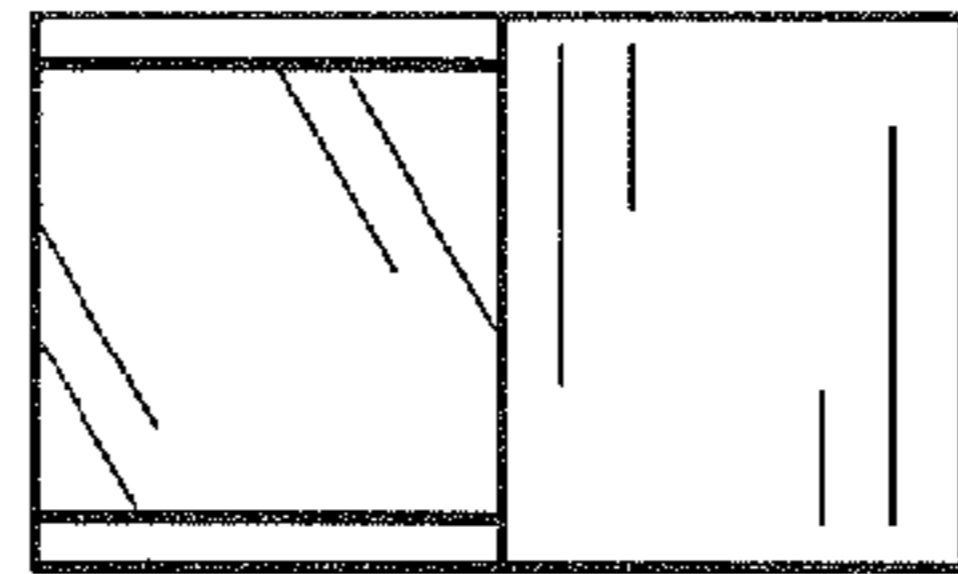


Fig. 17

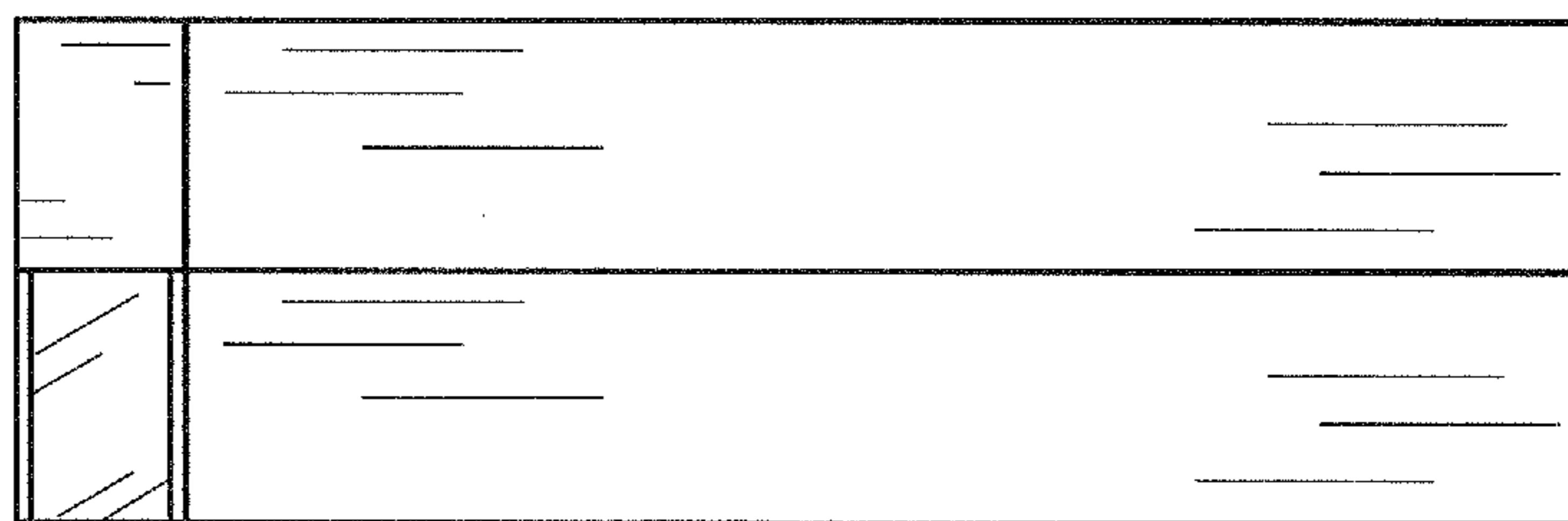


Fig. 18

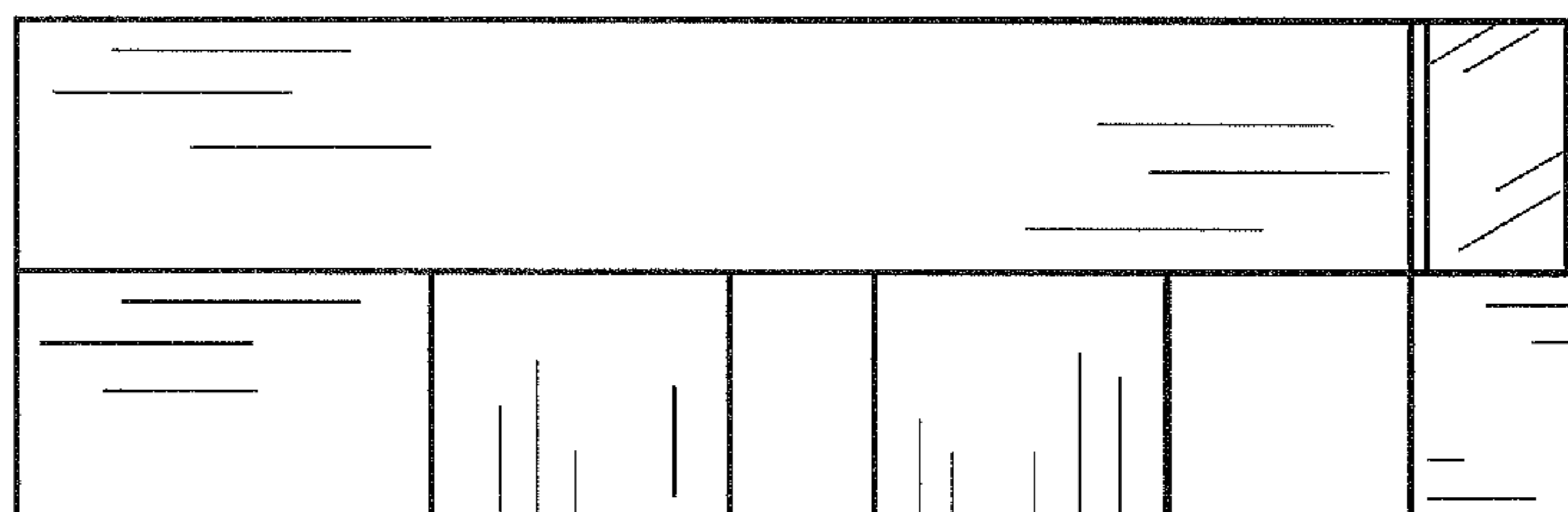




Fig. 19

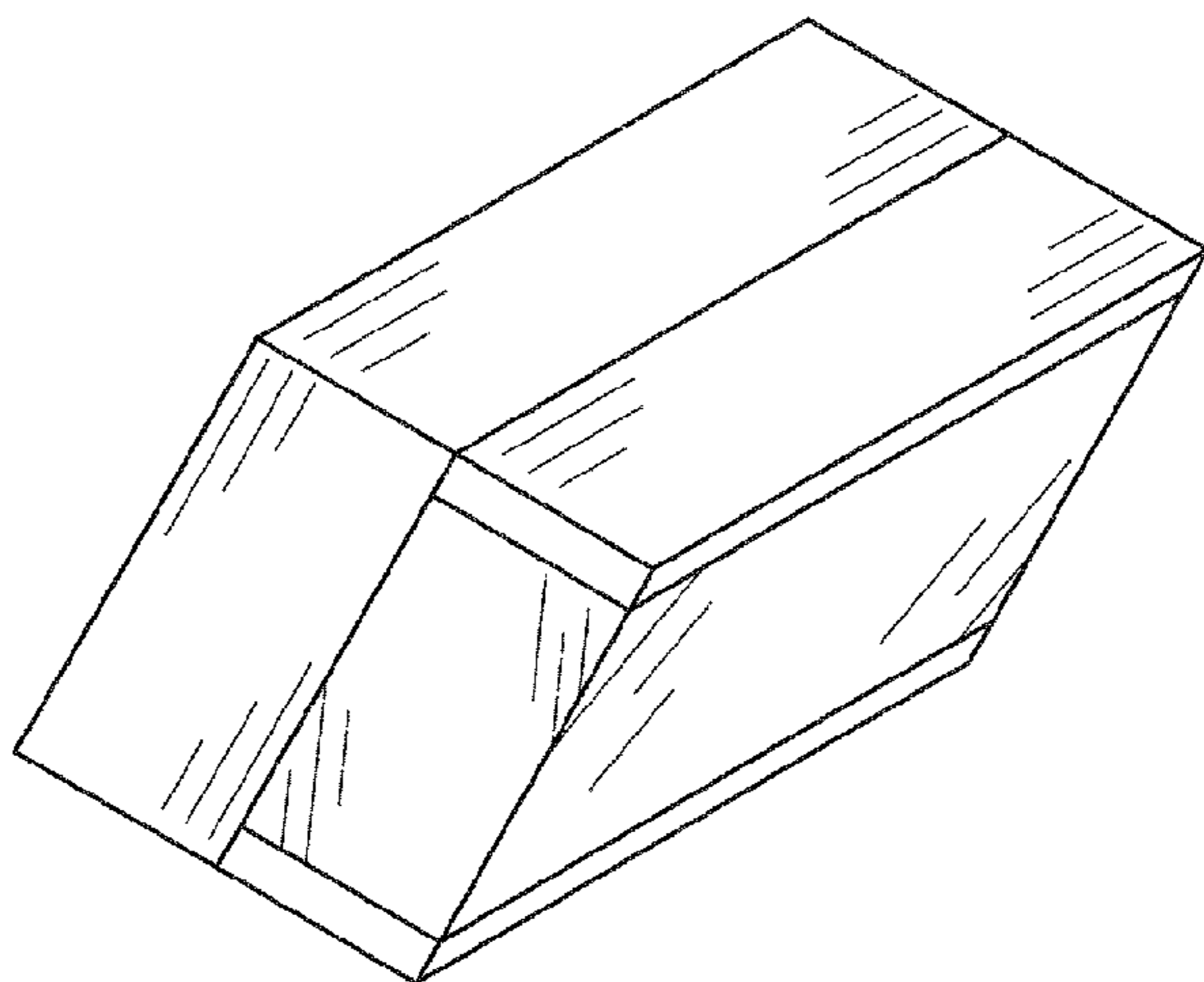


Fig. 20

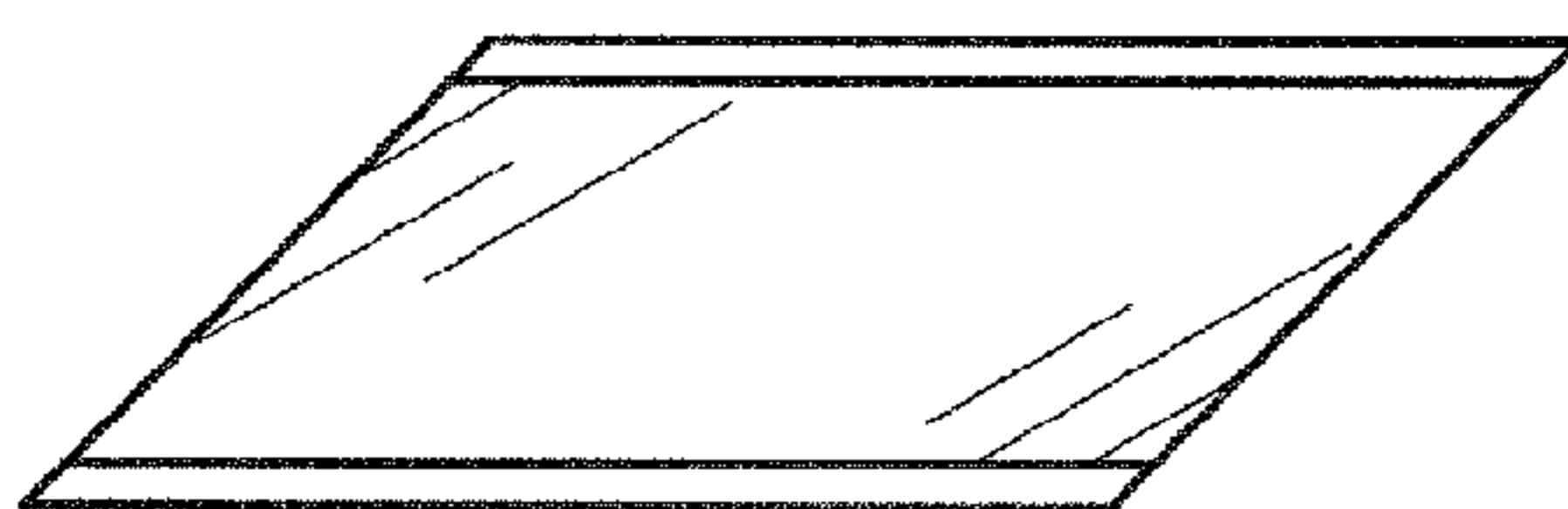


Fig. 21



Fig. 22

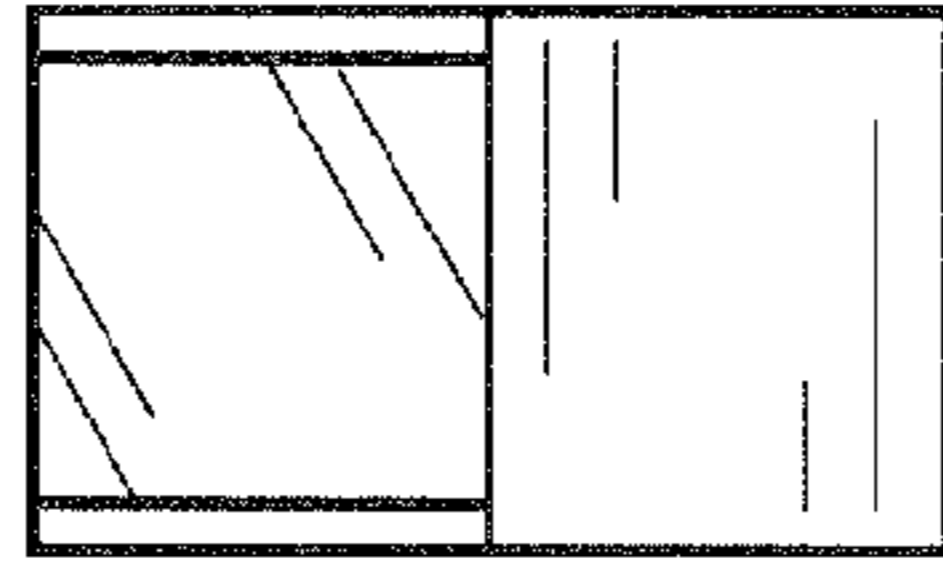


Fig. 23

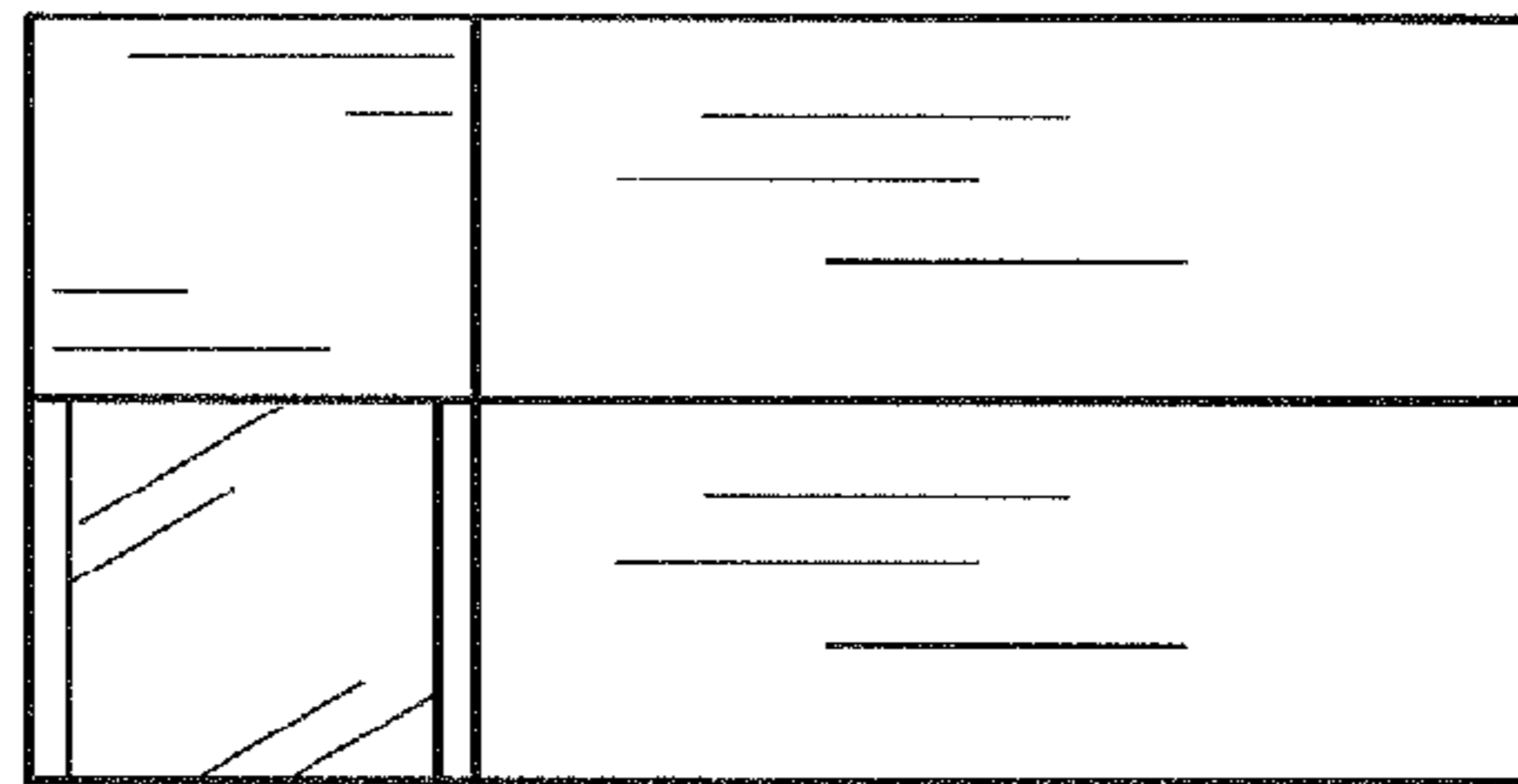


Fig. 24

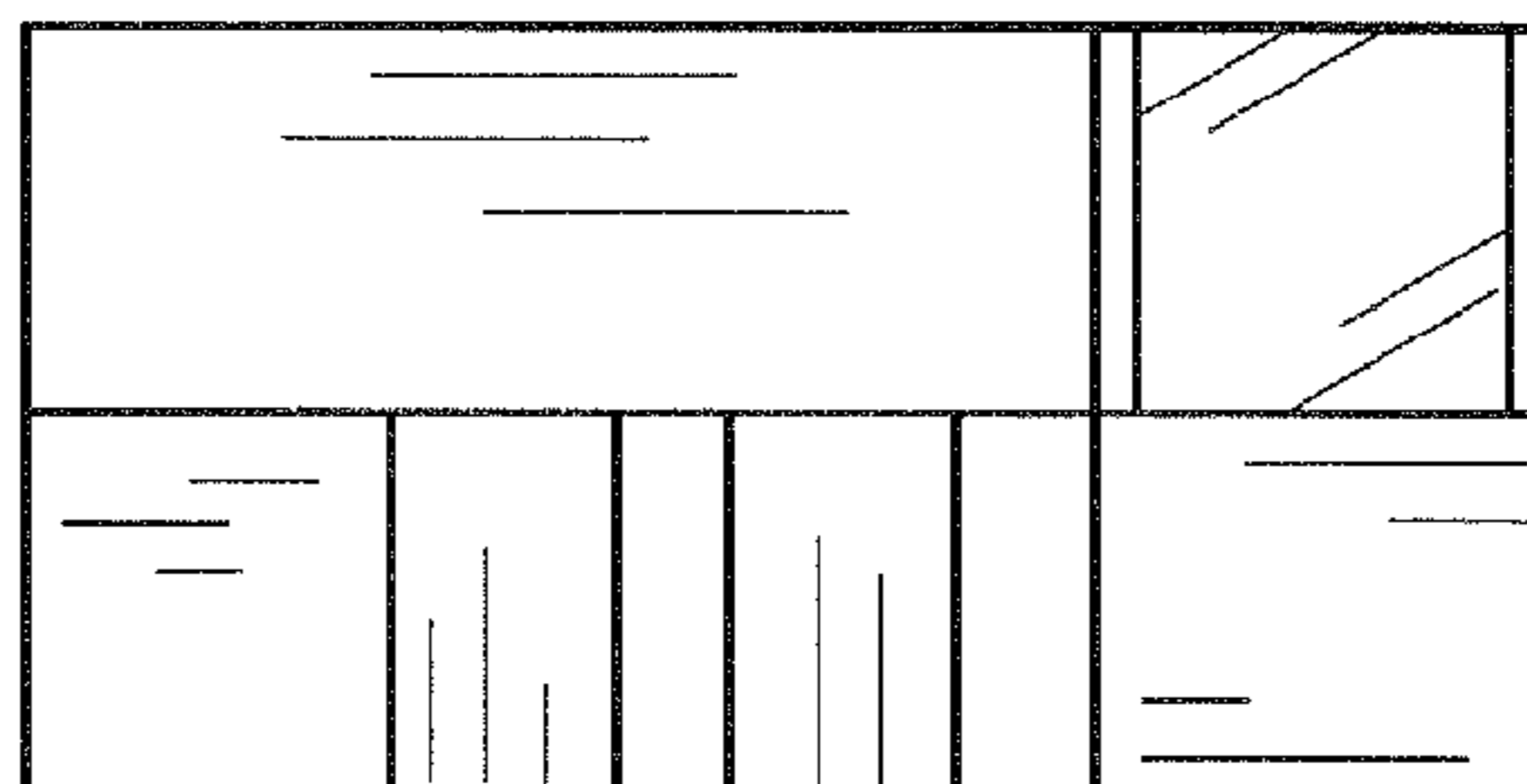


Fig. 25

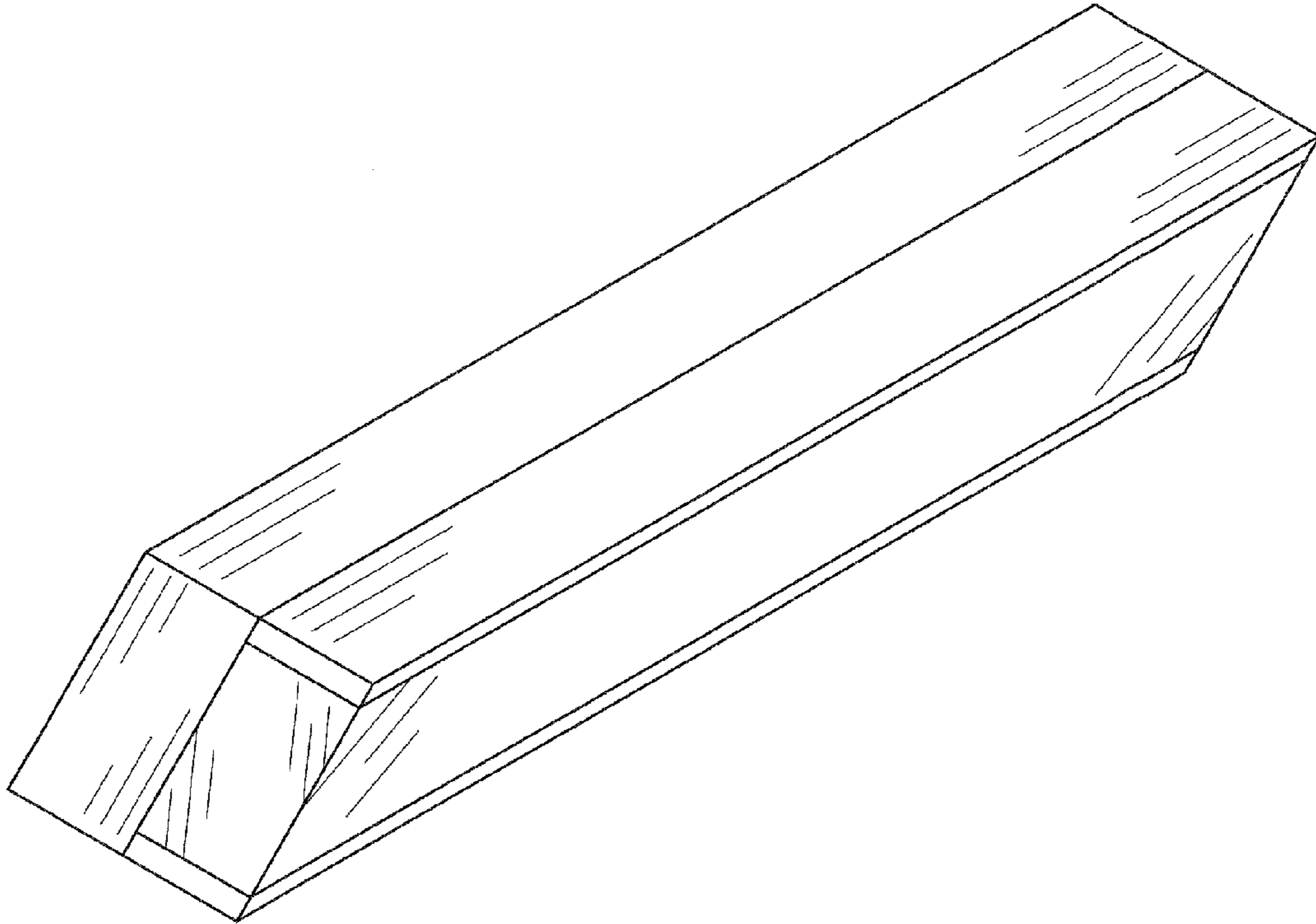


Fig. 26

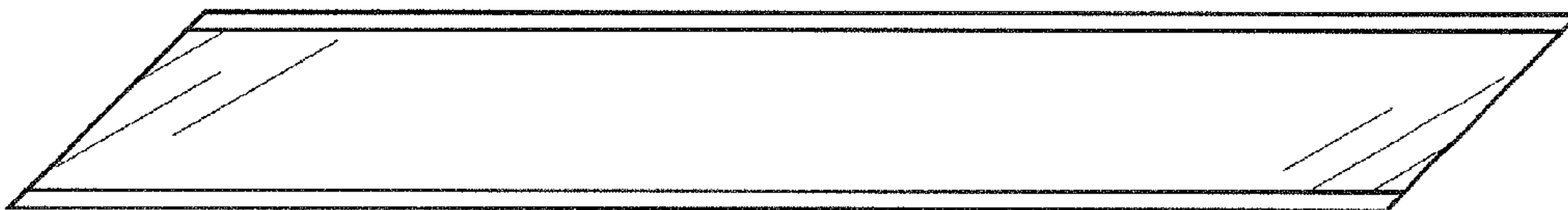


Fig. 27

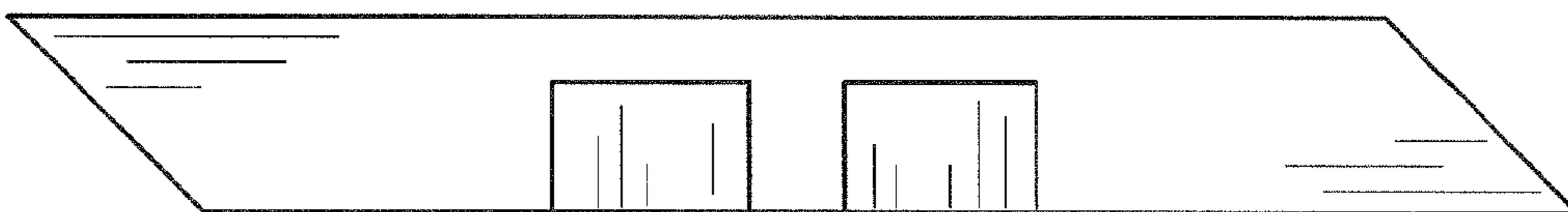


Fig. 28

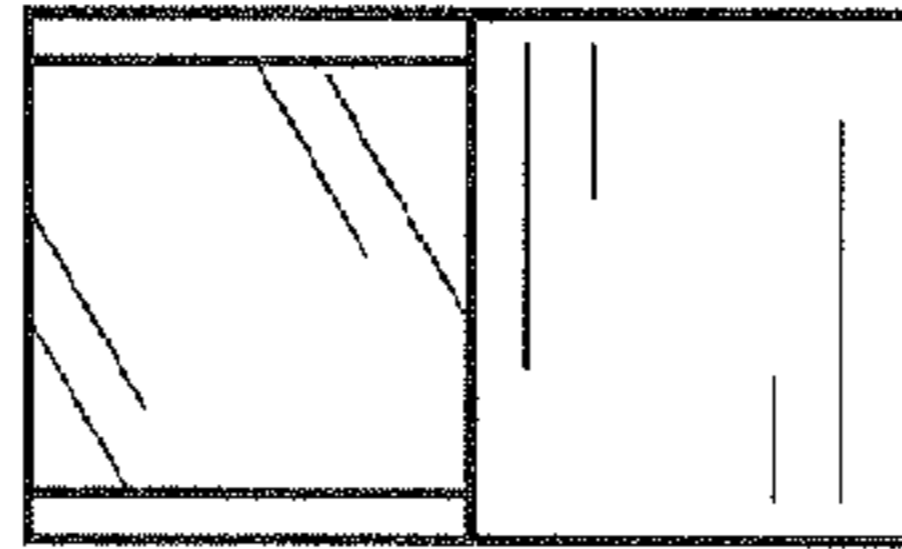


Fig. 29

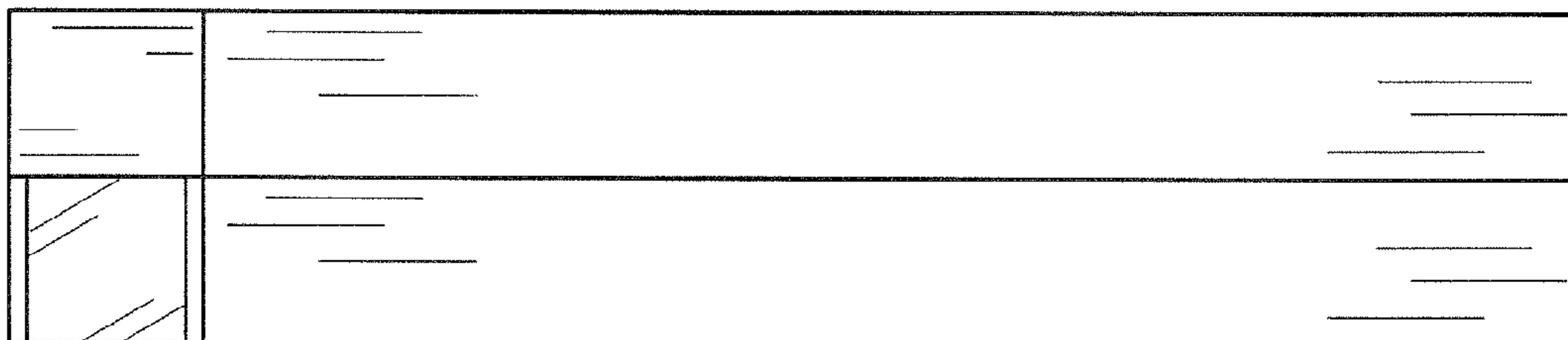


Fig. 30

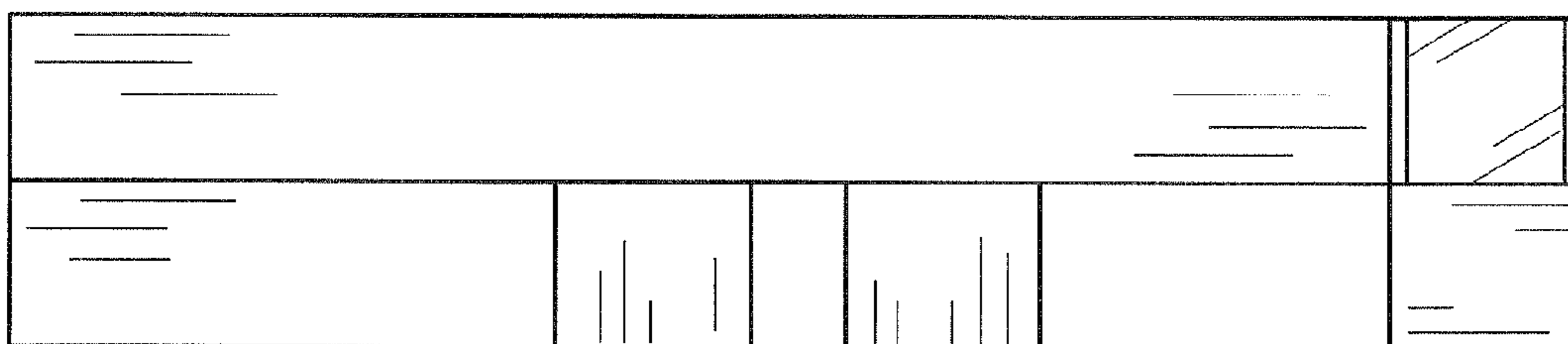


Fig. 31

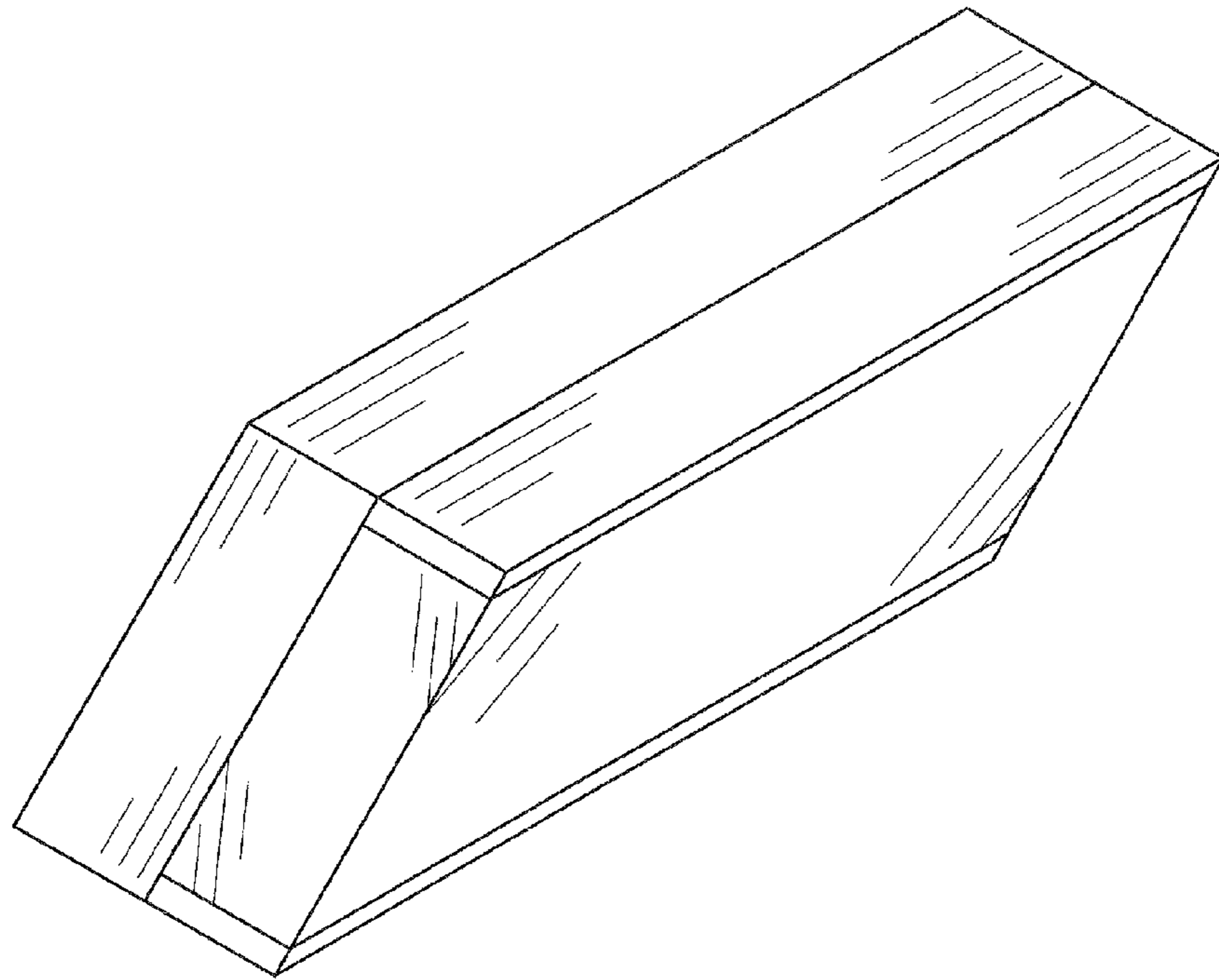


Fig. 32

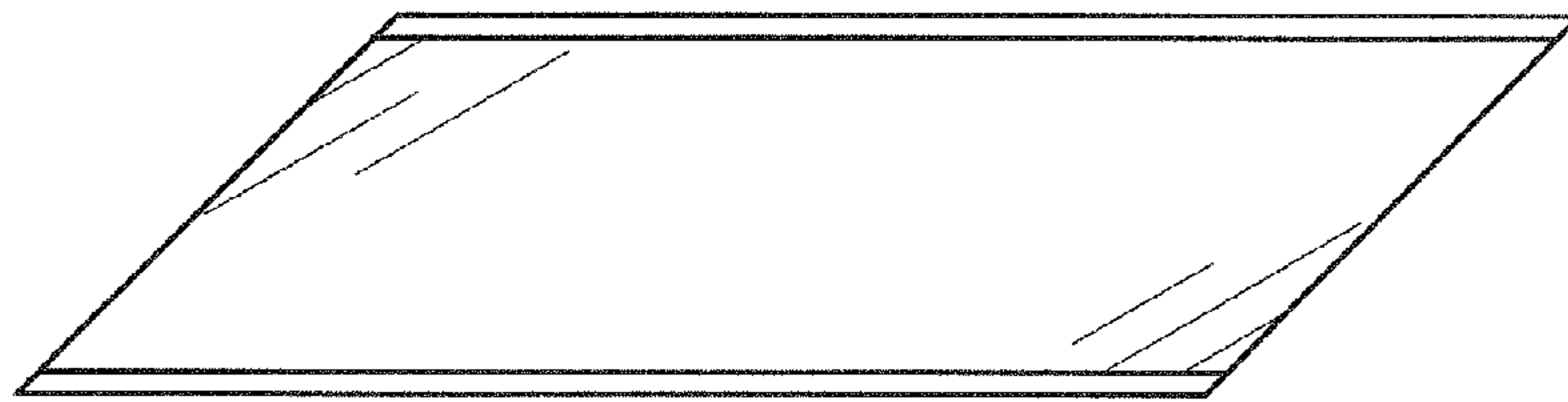


Fig. 33

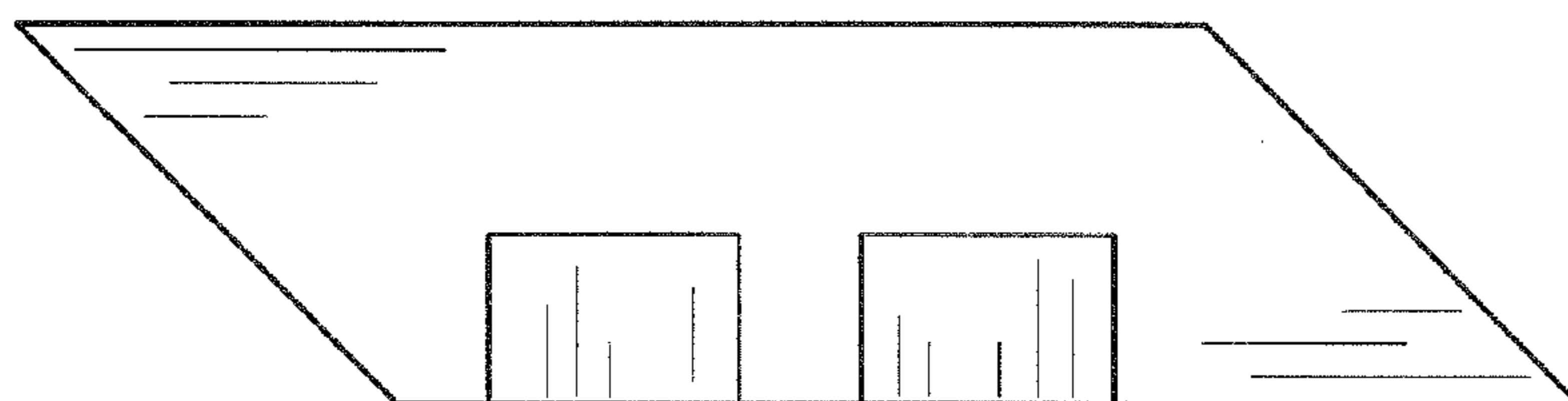




Fig. 34

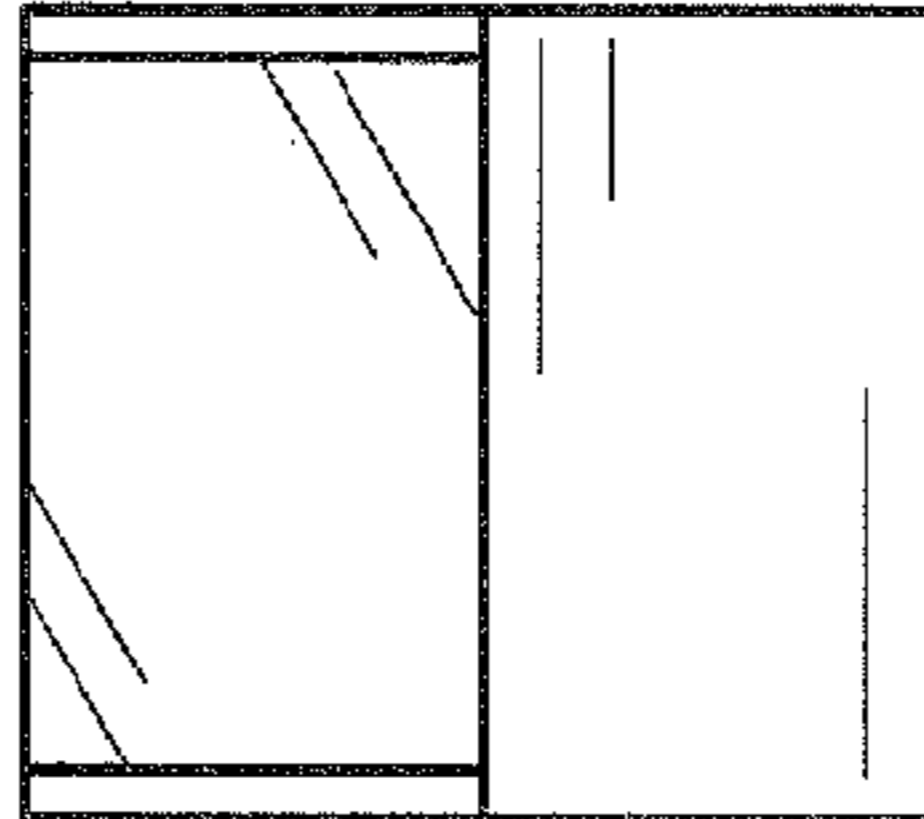


Fig. 35

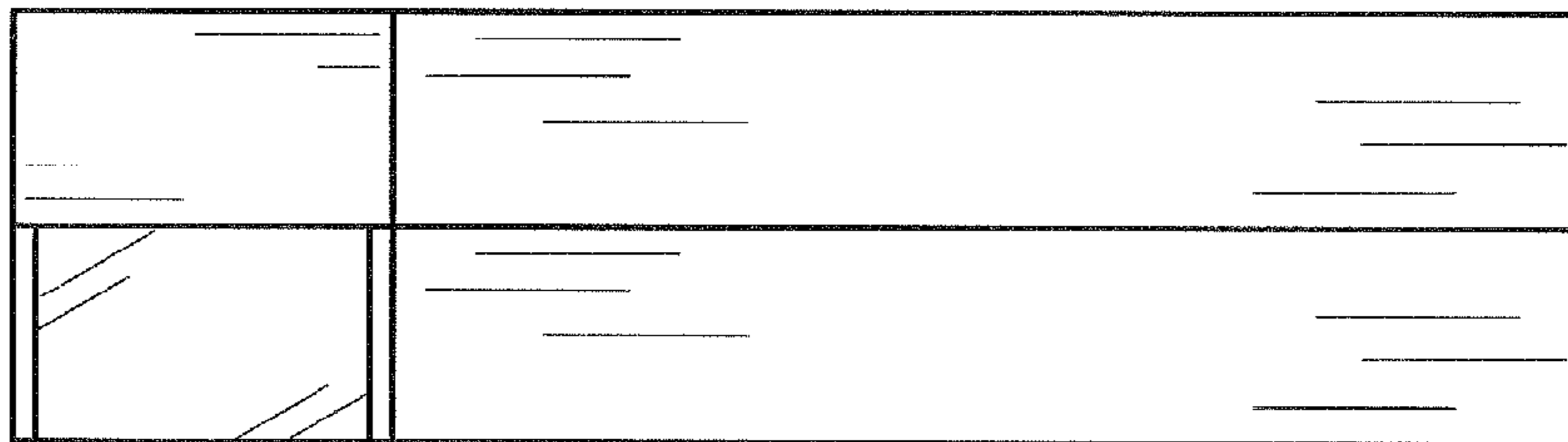


Fig. 36

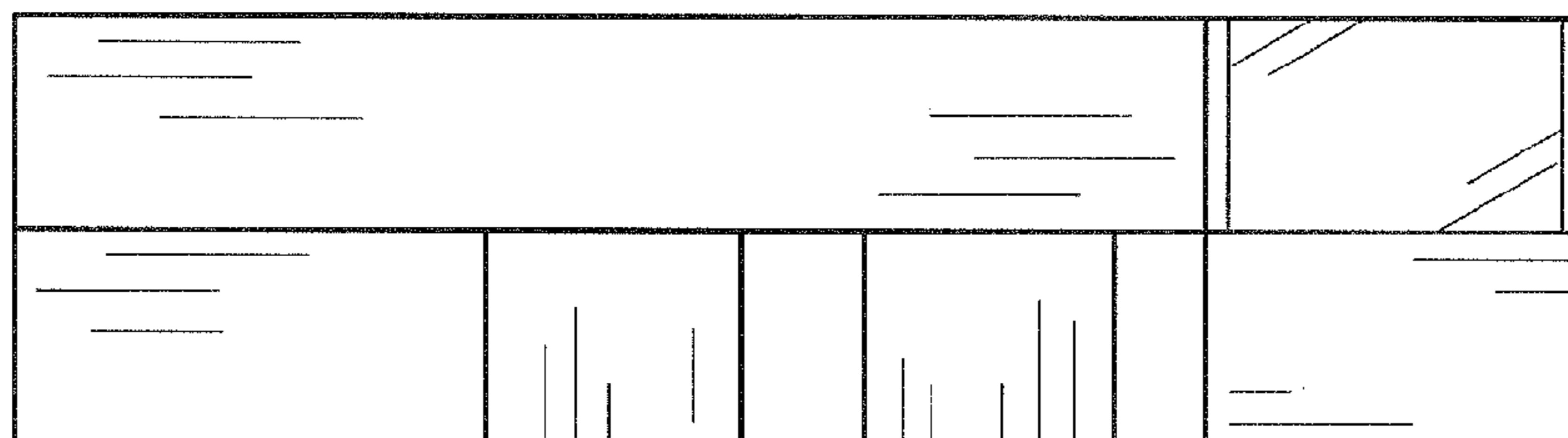


Fig. 37

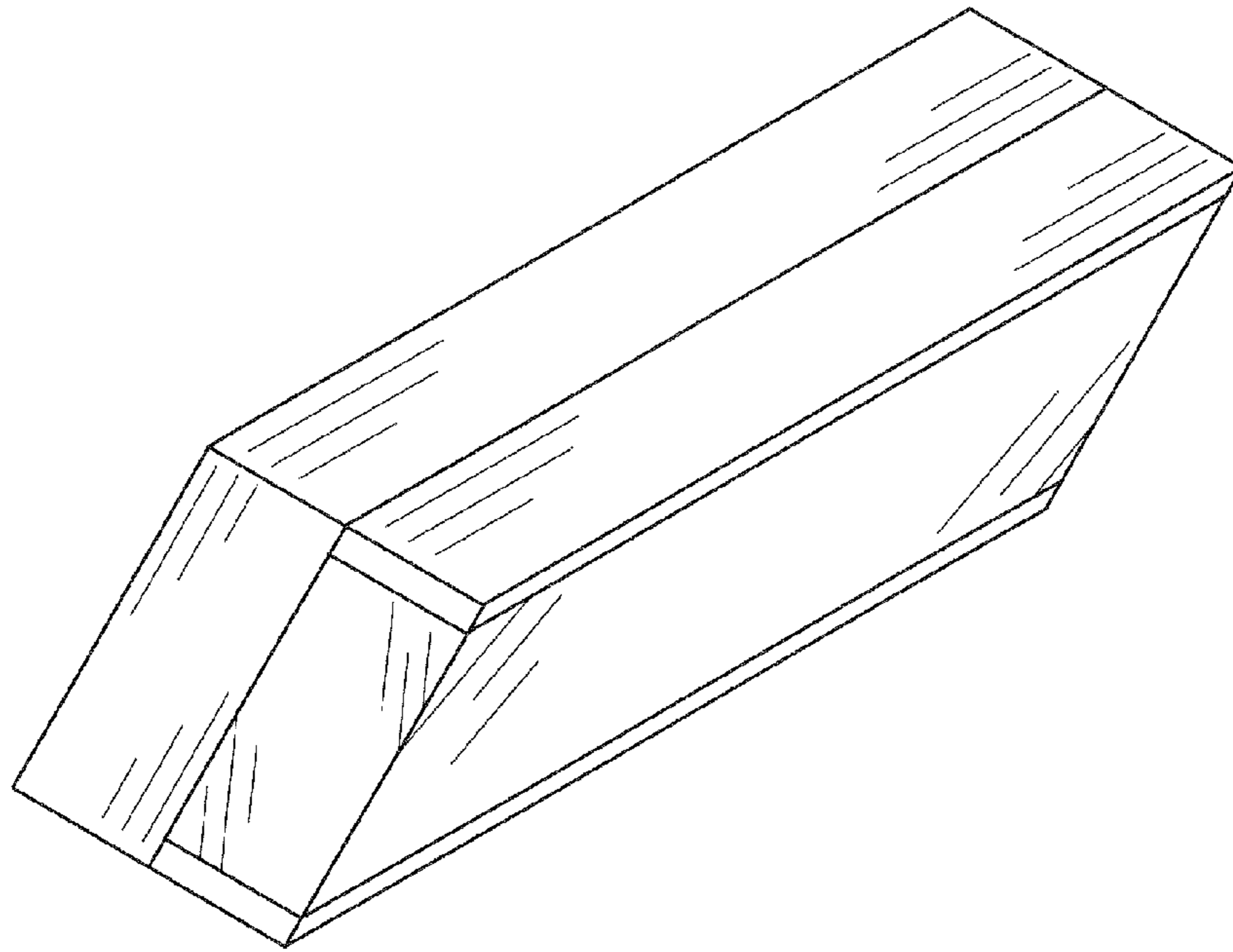


Fig. 38

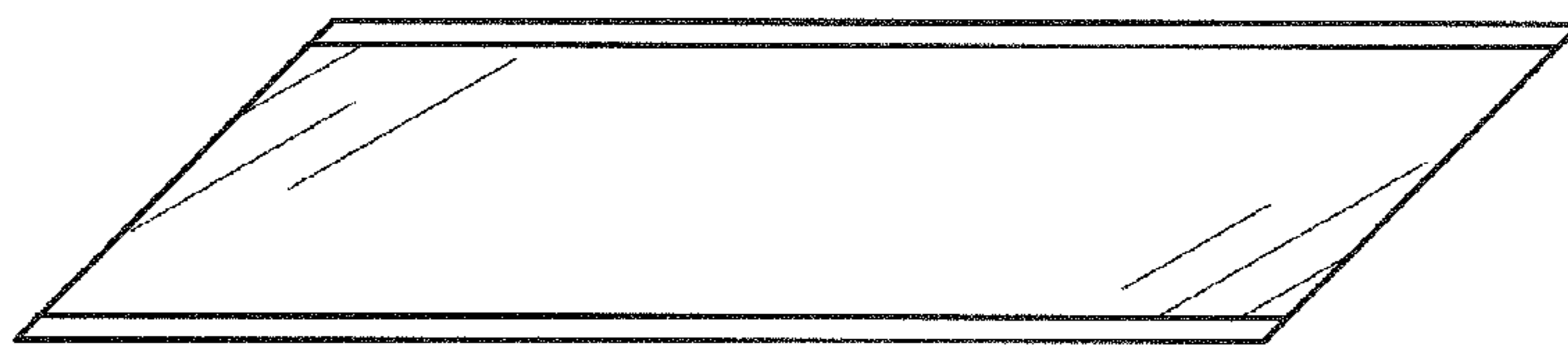


Fig. 39

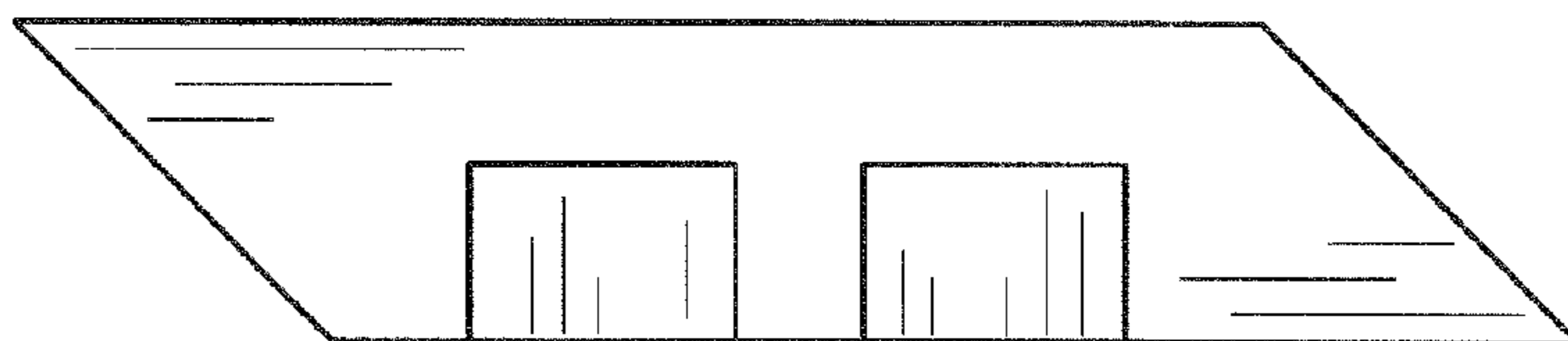


Fig. 40

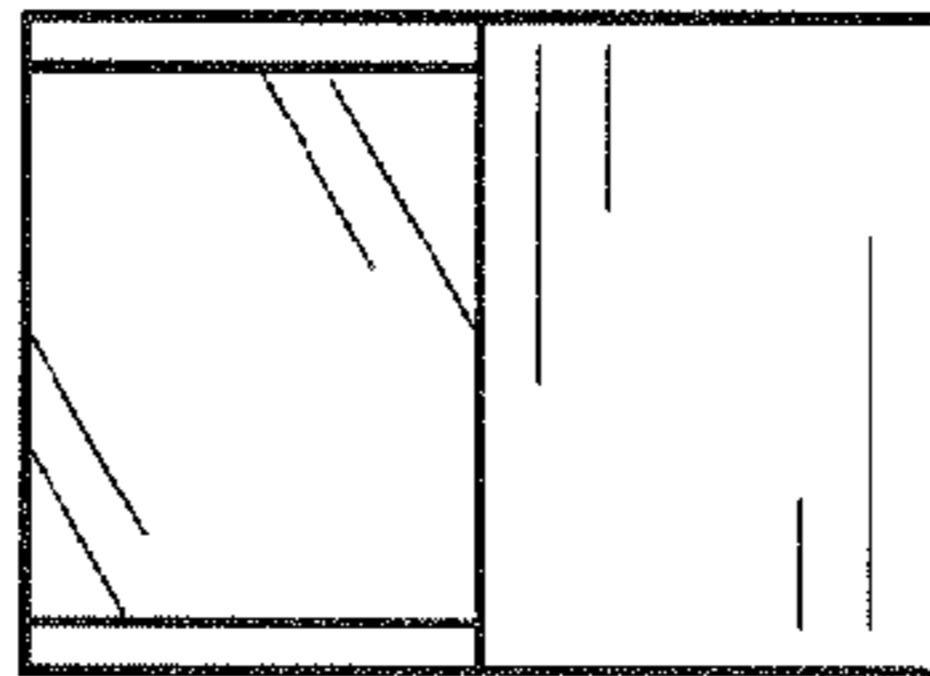


Fig. 41

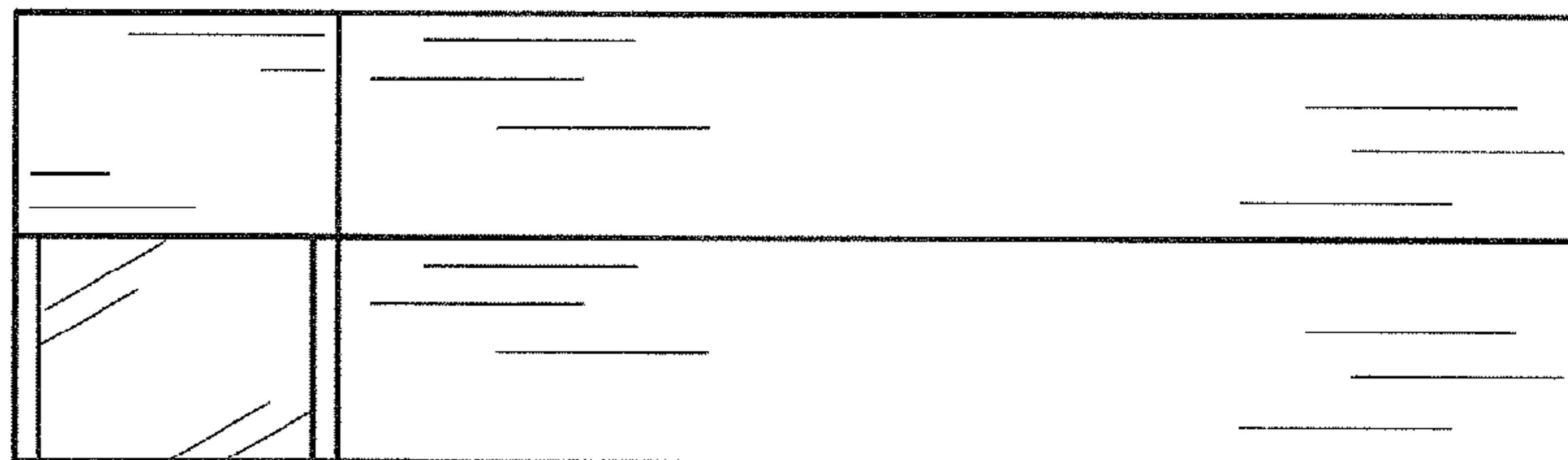


Fig. 42

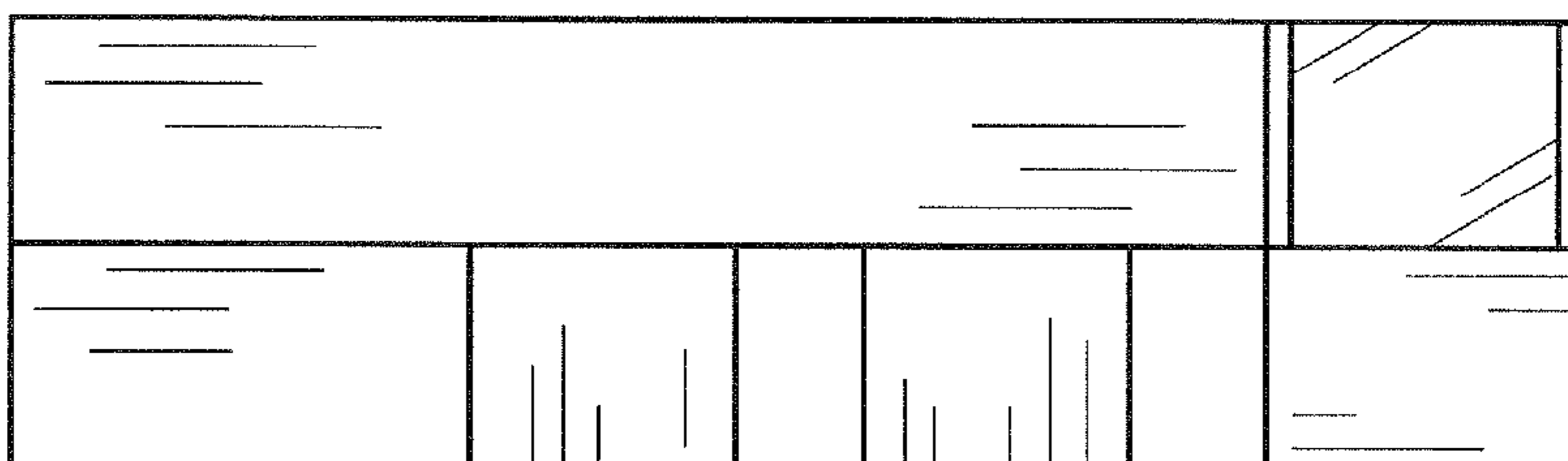


Fig. 43

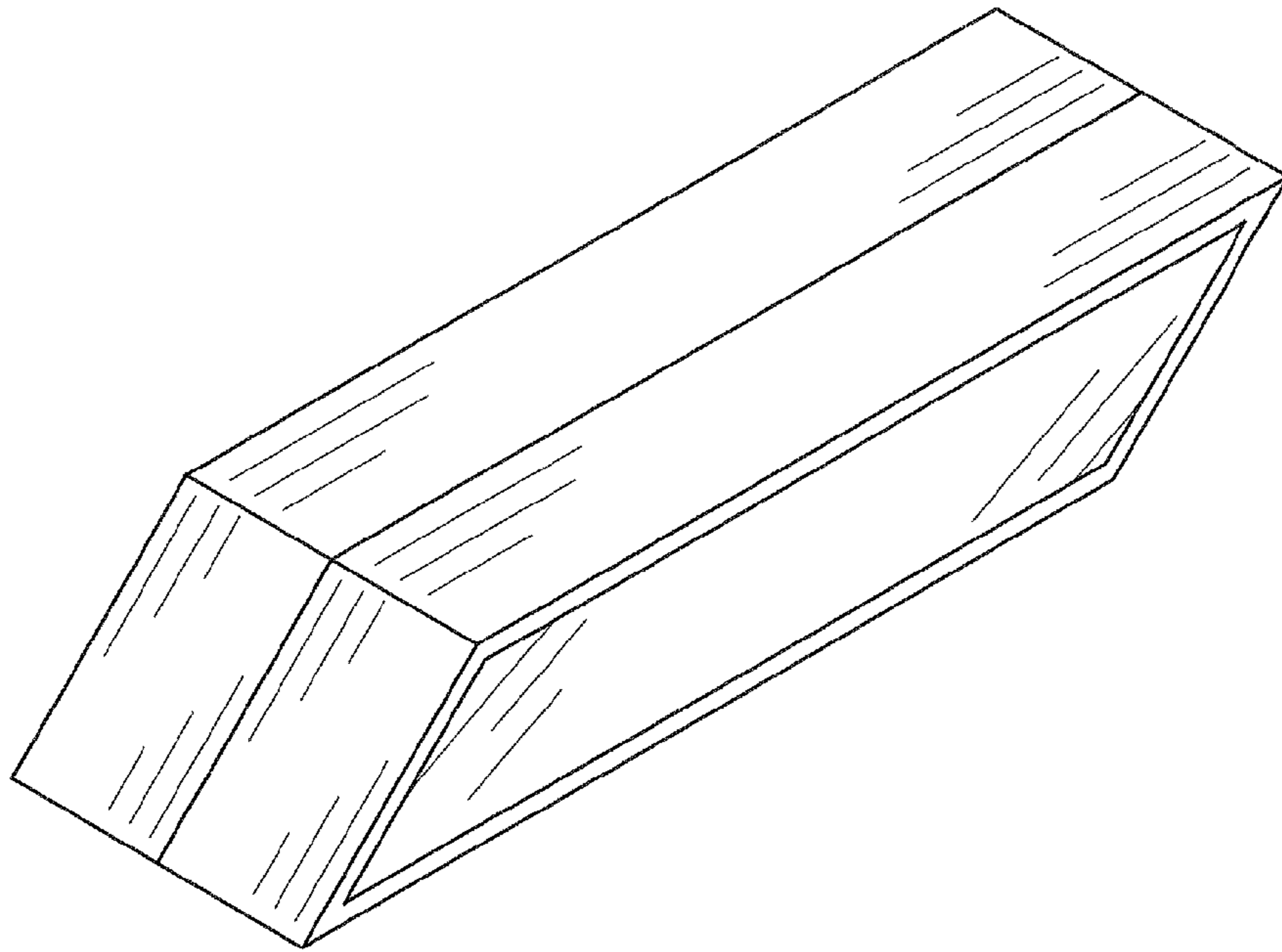


Fig. 44

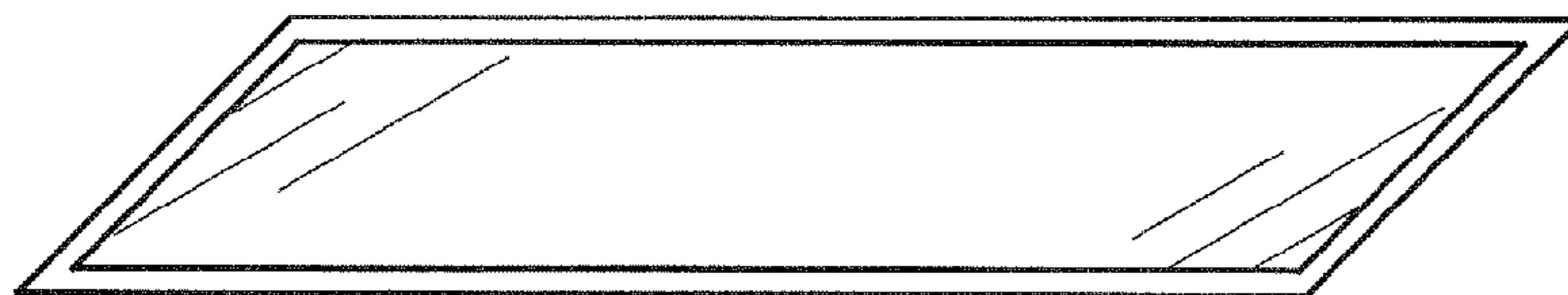


Fig. 45

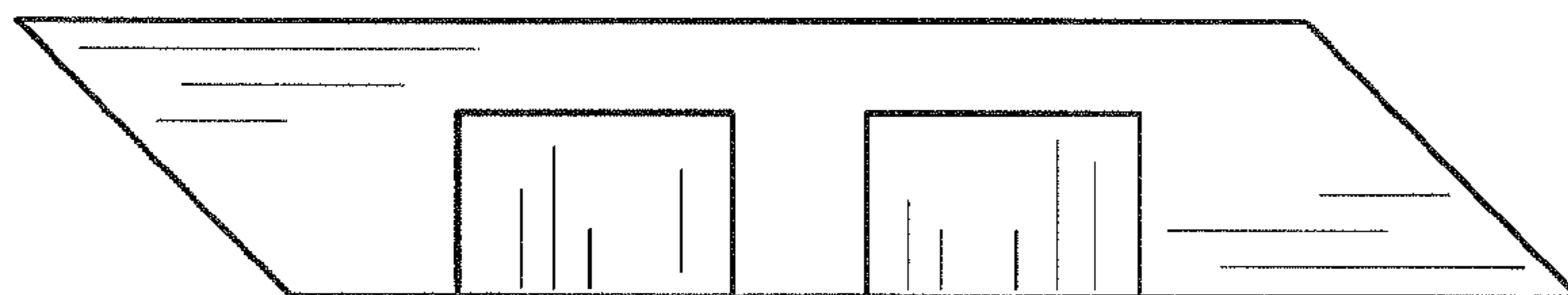


Fig. 46

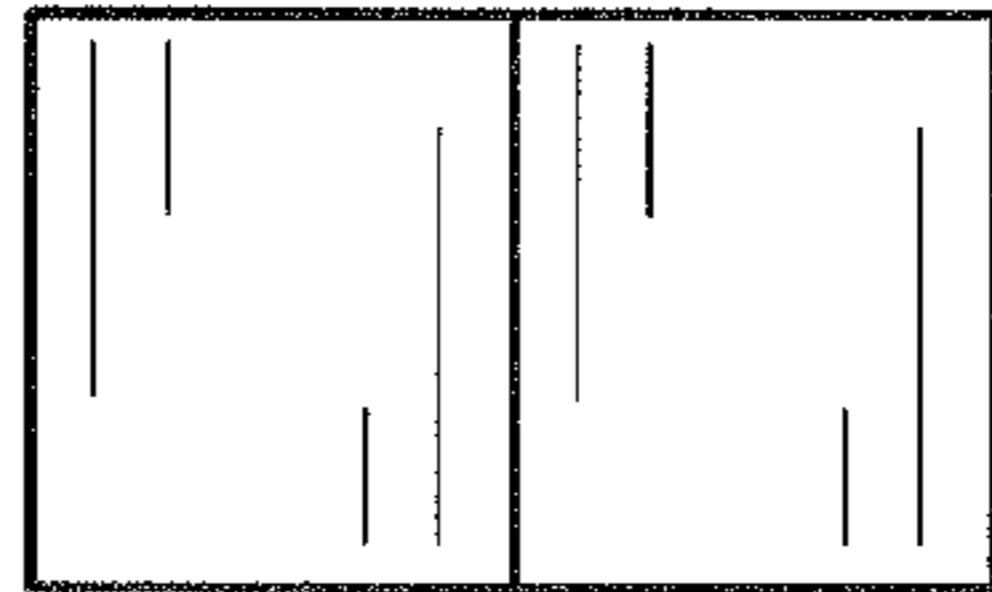


Fig. 47

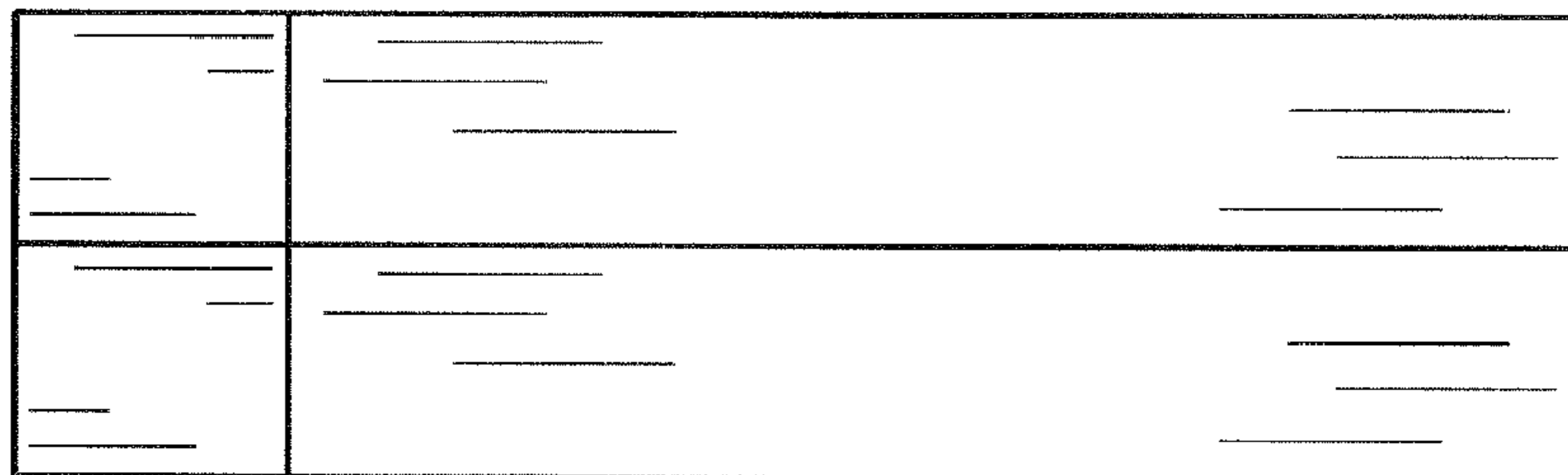


Fig. 48

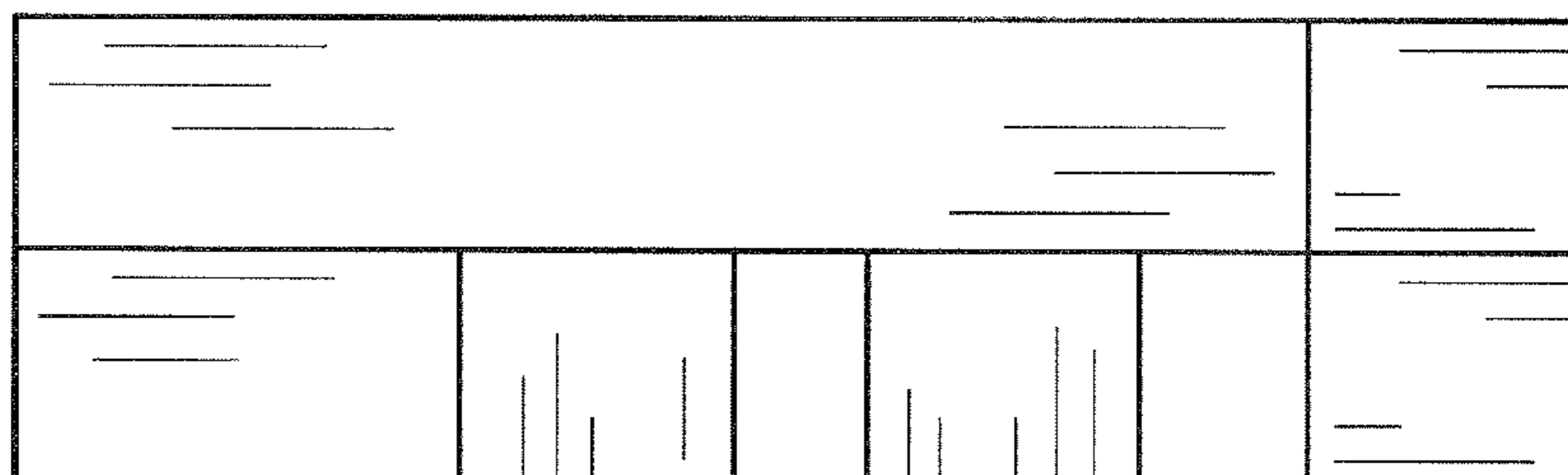




Fig. 49

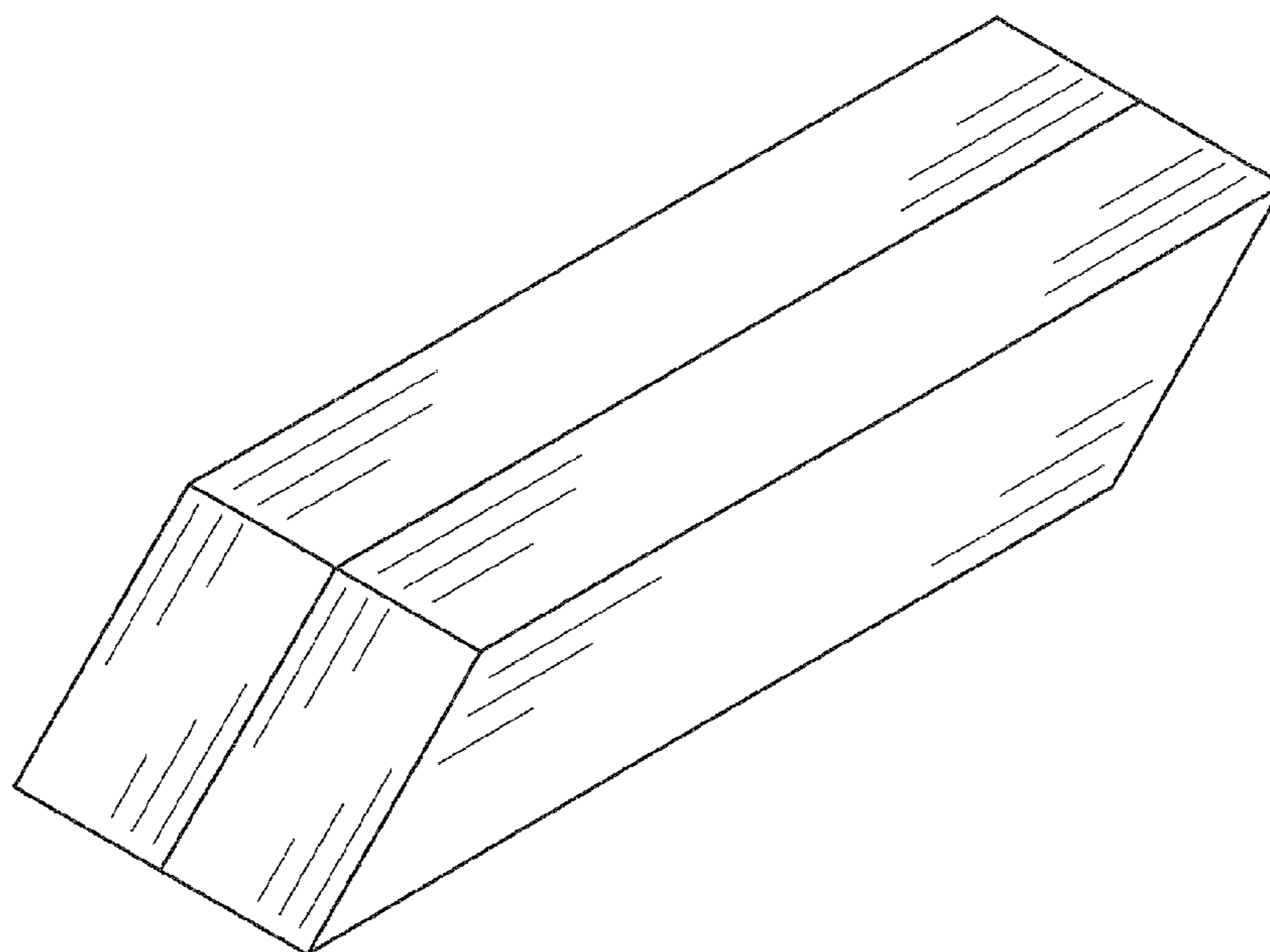


Fig. 50



Fig. 51

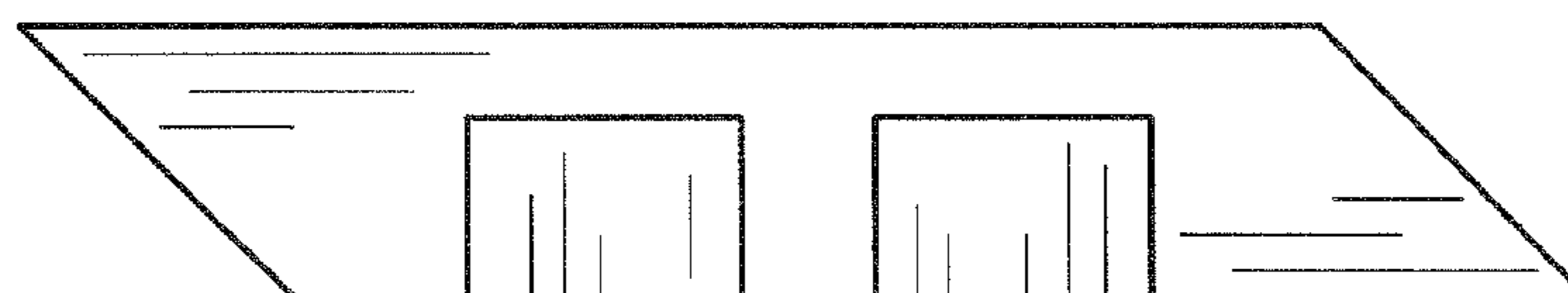


Fig. 52

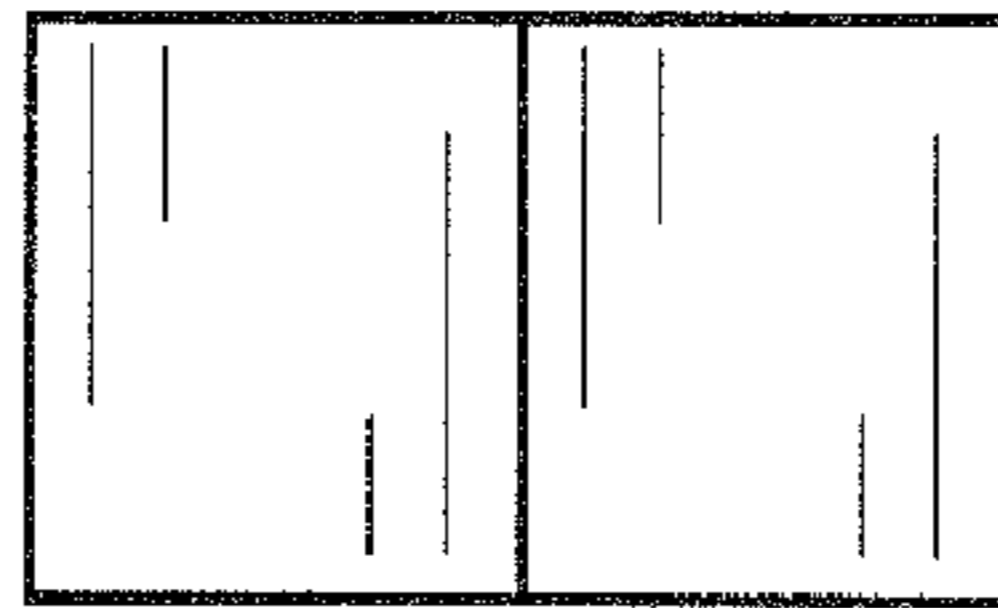


Fig. 53

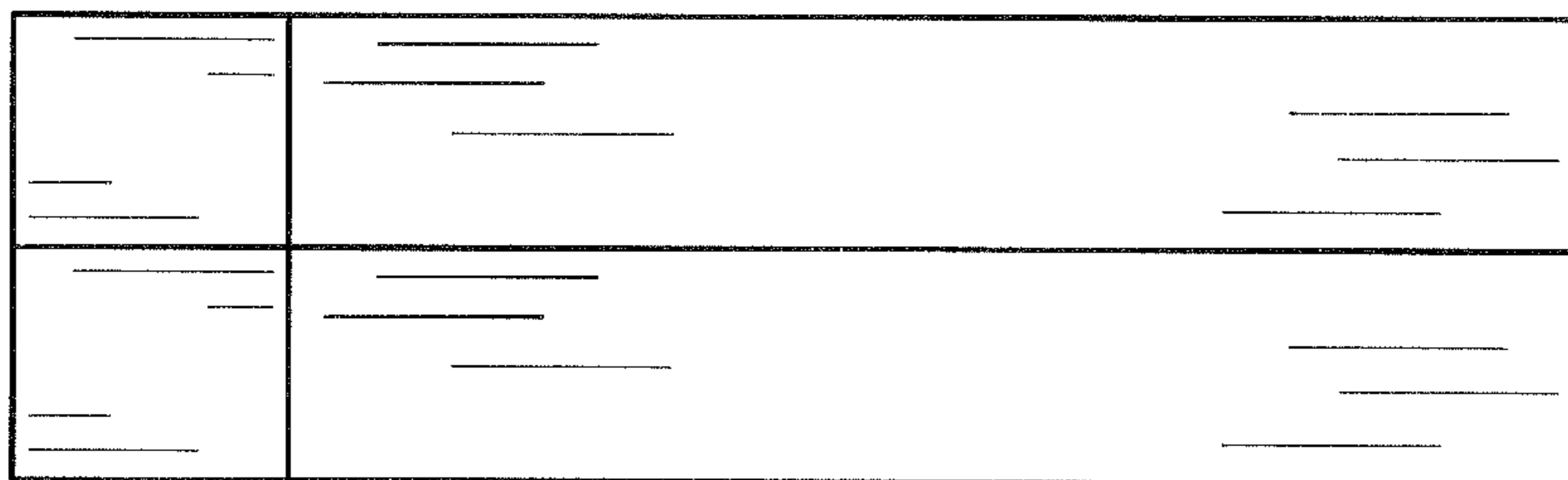


Fig. 54

