



US00D780704S

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

(10) **Patent No.:** **US D780,704 S**
(45) **Date of Patent:** **** Mar. 7, 2017**

(54) **LIGHT SOURCE MODULE**

(71) Applicant: **mitsubishi electric corporation**, Tokyo (JP)

(72) Inventors: **Satoru Kiridoshi**, Tokyo (JP);
Hironobu Kawaguchi, Tokyo (JP);
Hideaki Nishi, Tokyo (JP); **Masato Teranishi**, Tokyo (JP); **Junichi Nara**, Tokyo (JP)

(73) Assignee: **Mitsubishi Electric Corporation**, Tokyo (JP)

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

(21) Appl. No.: **29/516,316**

(22) Filed: **Jan. 30, 2015**

(30) **Foreign Application Priority Data**

Aug. 27, 2014 (JP) 2014-018790
Aug. 27, 2014 (JP) 2014-018791
Aug. 27, 2014 (JP) 2014-018792

(51) **LOC (10) Cl.** **13-03**

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

(58) **Field of Classification Search**
USPC D13/180; D26/1, 72, 74, 118, 120, 122;
D6/582; D32/57

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D299,871 S * 2/1989 Jennings D25/157
D348,131 S * 6/1994 Bozzo D32/55

(Continued)

Primary Examiner — Selina Sikder

(74) *Attorney, Agent, or Firm* — Studebaker & Brackett PC

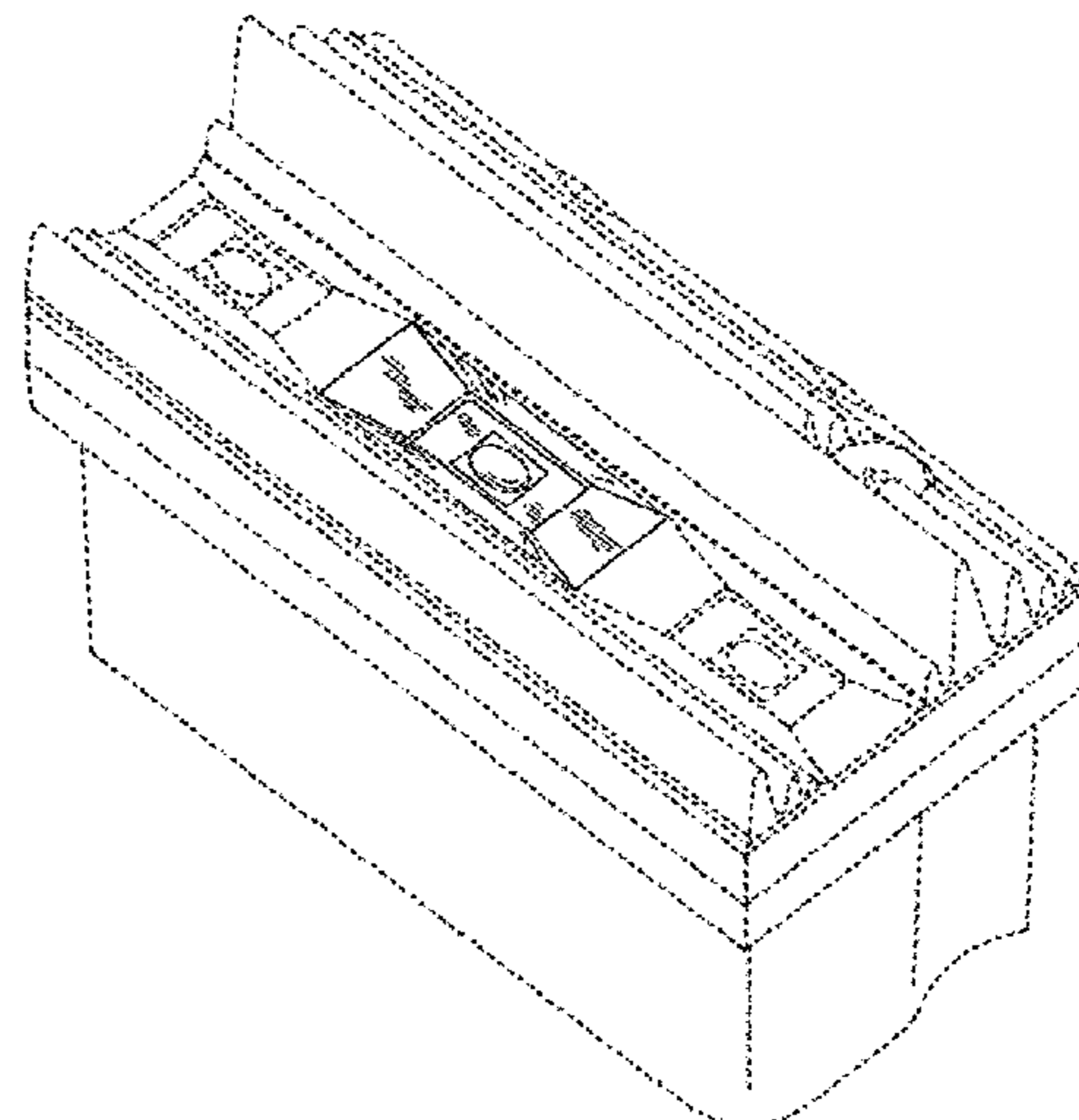
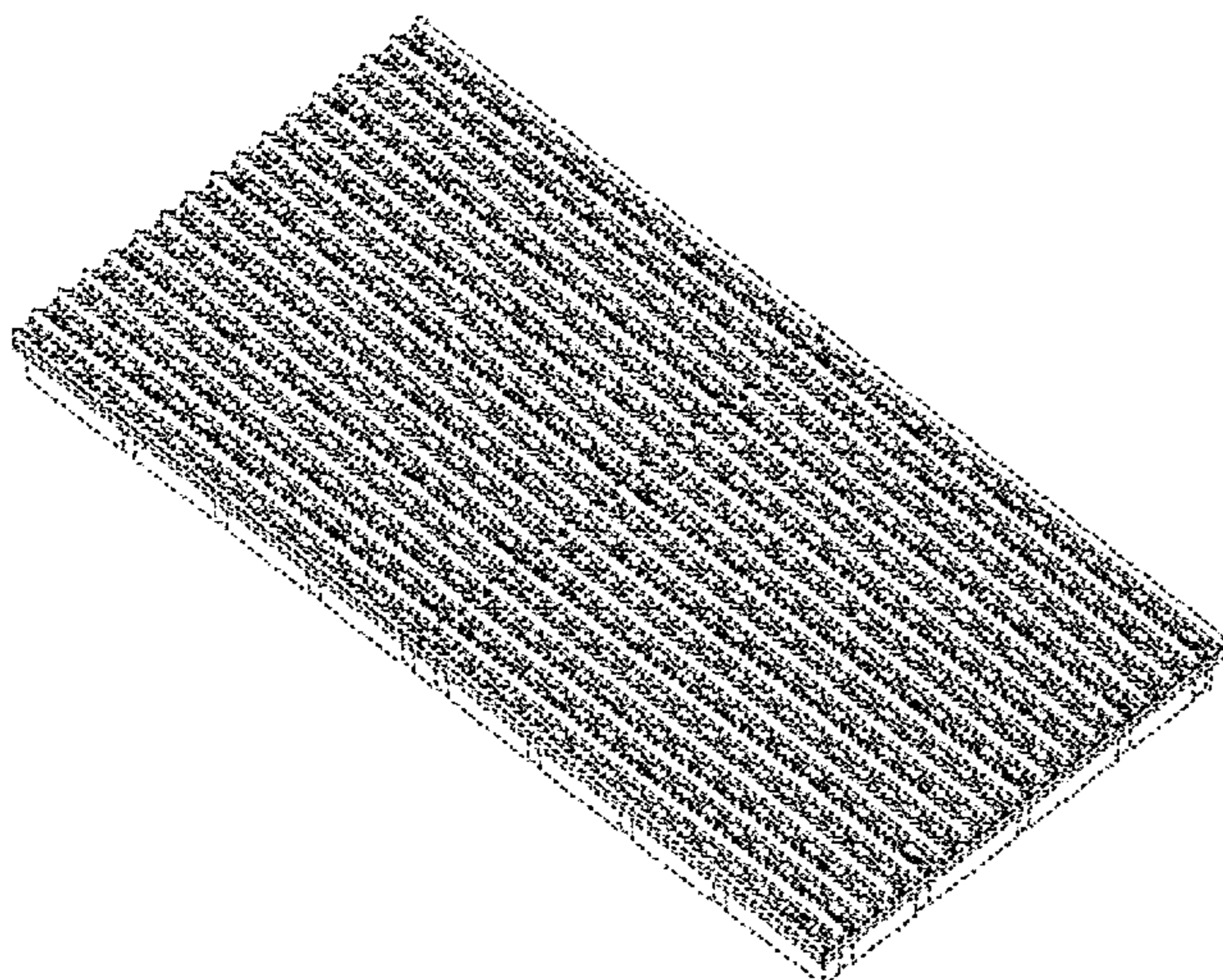
(57) **CLAIM**

The ornamental design for a light source module, as shown and described.

DESCRIPTION

FIG. 1 is a front, top and right side perspective view of a light source module, showing our new design;
FIG. 2 is a front elevational view thereof;
FIG. 3 is a rear elevational view thereof;
FIG. 4 is a left side elevational view thereof;
FIG. 5 is a Right side elevational view thereof;
FIG. 6 is a Top plan view thereof;
FIG. 7 is a Bottom plan view thereof;
FIG. 8 is an enlarged perspective view of a part thereof;
FIG. 9 is an enlarged view of a part thereof;
FIG. 10 is an enlarged cross-sectional view taken along line B-B with internal system omitted thereof;
FIG. 11 is a reference view with the light-transmitting portion drawn by oblique lines thereof;
FIG. 12 is a front, top and right side perspective view thereof;
FIG. 13 is a front elevational view thereof;
FIG. 14 is a rear elevational view thereof;
FIG. 15 is a left side elevational view thereof;
FIG. 16 is a Right side elevational view thereof;
FIG. 17 is a Top plan view thereof;
FIG. 18 is a Bottom plan view thereof;
FIG. 19 is an enlarged perspective view of a part thereof;
FIG. 20 is an enlarged view of a part thereof;
FIG. 21 is an enlarged cross-sectional view taken along line B-B with internal system omitted thereof; and,
FIG. 22 is a reference view with the light-transmitting portion drawn by oblique lines thereof.
The broken lines in all views are shown for illustrative purposes only and form no part of the claimed design.

1 Claim, 22 Drawing Sheets



US D780,704 S

Page 2

(58) **Field of Classification Search**

CPC ... H01L 25/167; H01L 25/0753; H01L 27/15;
H01L 27/156; H01L 31/02; H01L 33/00;
H01L 33/04; H01L 33/08; H01L 33/10;
H01L 33/20; H01L 33/38; H01L 33/42;
H01L 33/48; H01L 33/483; H01L 33/486;
F21K 9/135; F21K 9/30; F21K 9/50;
Y10S 362/80

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,987,668 A * 11/1999 Ackley A47C 27/22
428/159
6,188,527 B1 * 2/2001 Bohn B29D 11/00365
257/100
D493,566 S * 7/2004 Yu D26/122
D494,704 S * 8/2004 Yu D26/122
D502,284 S * 2/2005 Egawa D26/122
D517,725 S * 3/2006 Egawa D26/122
7,201,511 B2 * 4/2007 Moriyama F21K 9/00
257/668
D581,120 S * 11/2008 Sofy D32/57
7,587,776 B2 * 9/2009 Poulos A61G 7/05776
5/713
7,638,808 B2 * 12/2009 Owen H01L 25/0753
257/100
7,683,391 B2 * 3/2010 Wojnarowski H01L 33/08
257/88
D615,505 S * 5/2010 Butterworth D13/180
D616,384 S * 5/2010 Chan D13/180
7,710,031 B2 * 5/2010 Kashiwagi G02B 3/0031
313/504
D622,676 S * 8/2010 Yasuoka D13/180
7,888,689 B2 * 2/2011 Kim H01L 33/486
257/692
D646,015 S * 9/2011 Chiang D26/122

D646,234 S * 10/2011 Yao D13/180
D653,893 S * 2/2012 Huss D6/582
D662,068 S * 6/2012 Yao D13/180
D670,010 S * 10/2012 Lin D13/180
D689,031 S * 9/2013 Donofrio D13/180
D705,957 S * 5/2014 Lin D13/180
D706,058 S * 6/2014 Robbins, III D6/582
8,829,784 B2 * 9/2014 Inoue G02B 5/0231
257/40
8,866,765 B2 * 10/2014 Wang G06F 3/0421
345/173
8,907,364 B2 * 12/2014 Bierhuizen H01L 33/486
257/98
D730,848 S * 6/2015 Lin D13/180
D738,832 S * 9/2015 Hussell D13/180
2003/0086030 A1 * 5/2003 Taniguchi G02B 6/005
349/61
2005/0157500 A1 * 7/2005 Chen F21V 29/004
362/294
2006/0033423 A1 * 2/2006 Nishimura G09F 13/20
313/501
2006/0087866 A1 * 4/2006 Ng G02F 1/133603
362/612
2007/0262340 A1 * 11/2007 Sumi H01L 25/0753
257/100
2008/0067527 A1 * 3/2008 Daniels F21K 9/00
257/88
2009/0147498 A1 * 6/2009 Park H01L 33/486
362/84
2009/0284951 A1 * 11/2009 Muschaweck G02B 27/0927
362/97.1
2013/0128581 A1 * 5/2013 Hsu F21V 19/0015
362/249.02
2014/0048828 A1 * 2/2014 Yang H01L 33/08
257/89
2015/0062915 A1 * 7/2015 Shen et al.
2015/0204525 A1 * 7/2015 Shen H01L 33/62
362/231

* cited by examiner

Fig. 1

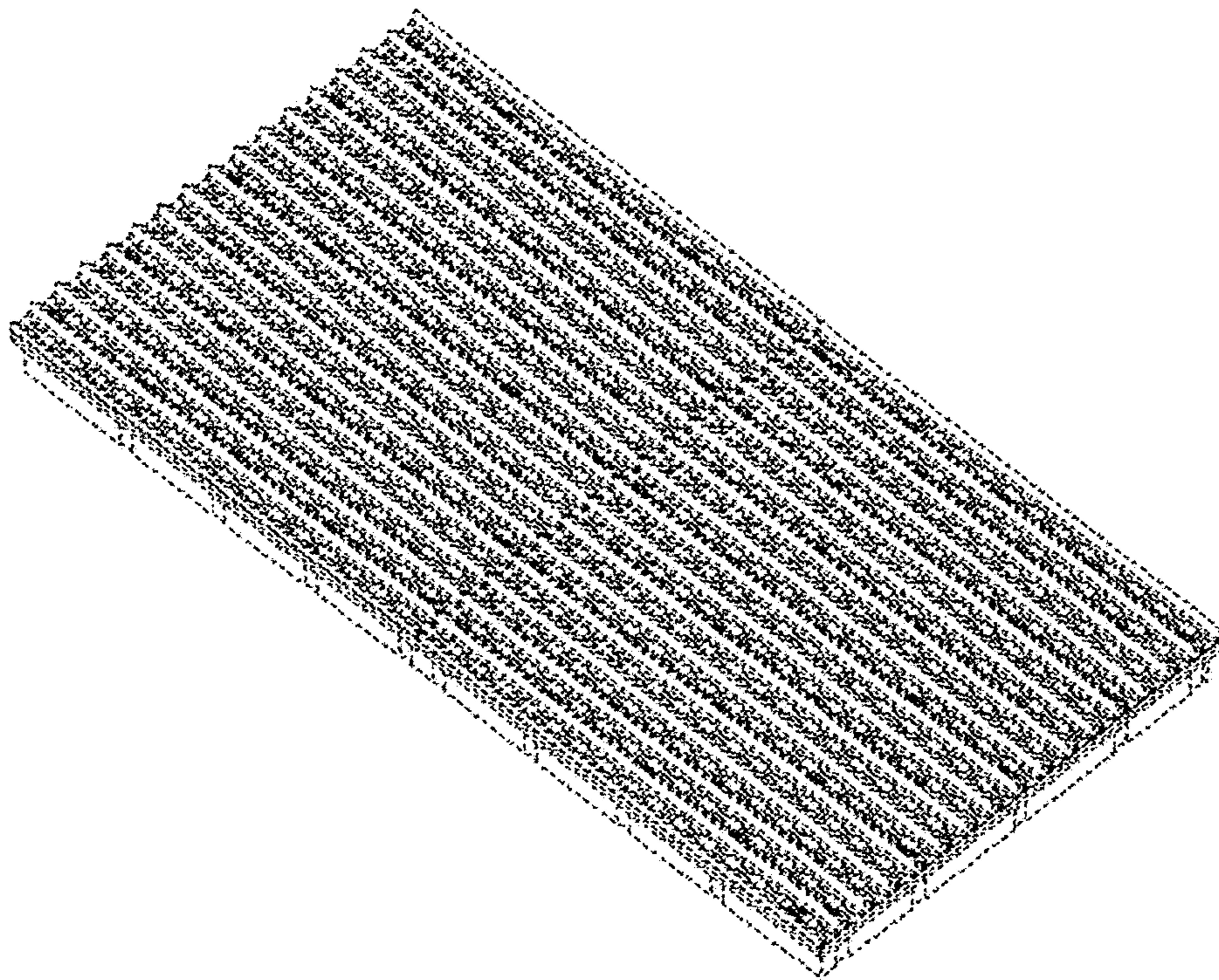


Fig. 2

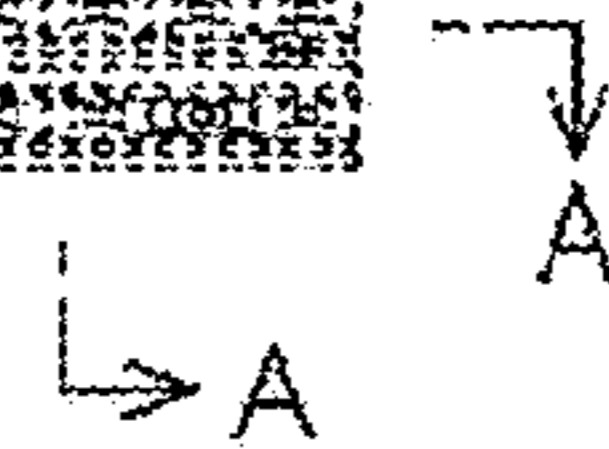
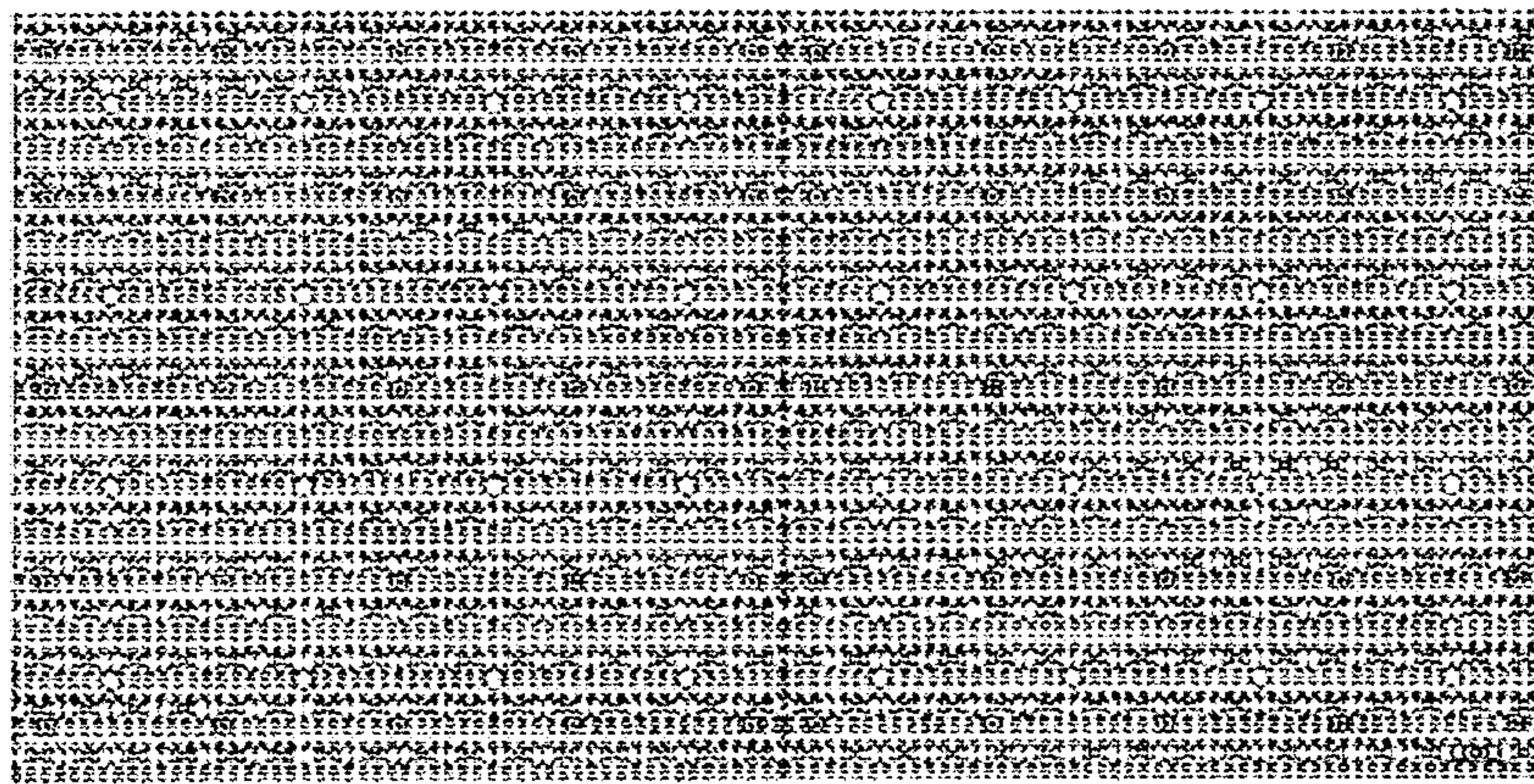


Fig. 3

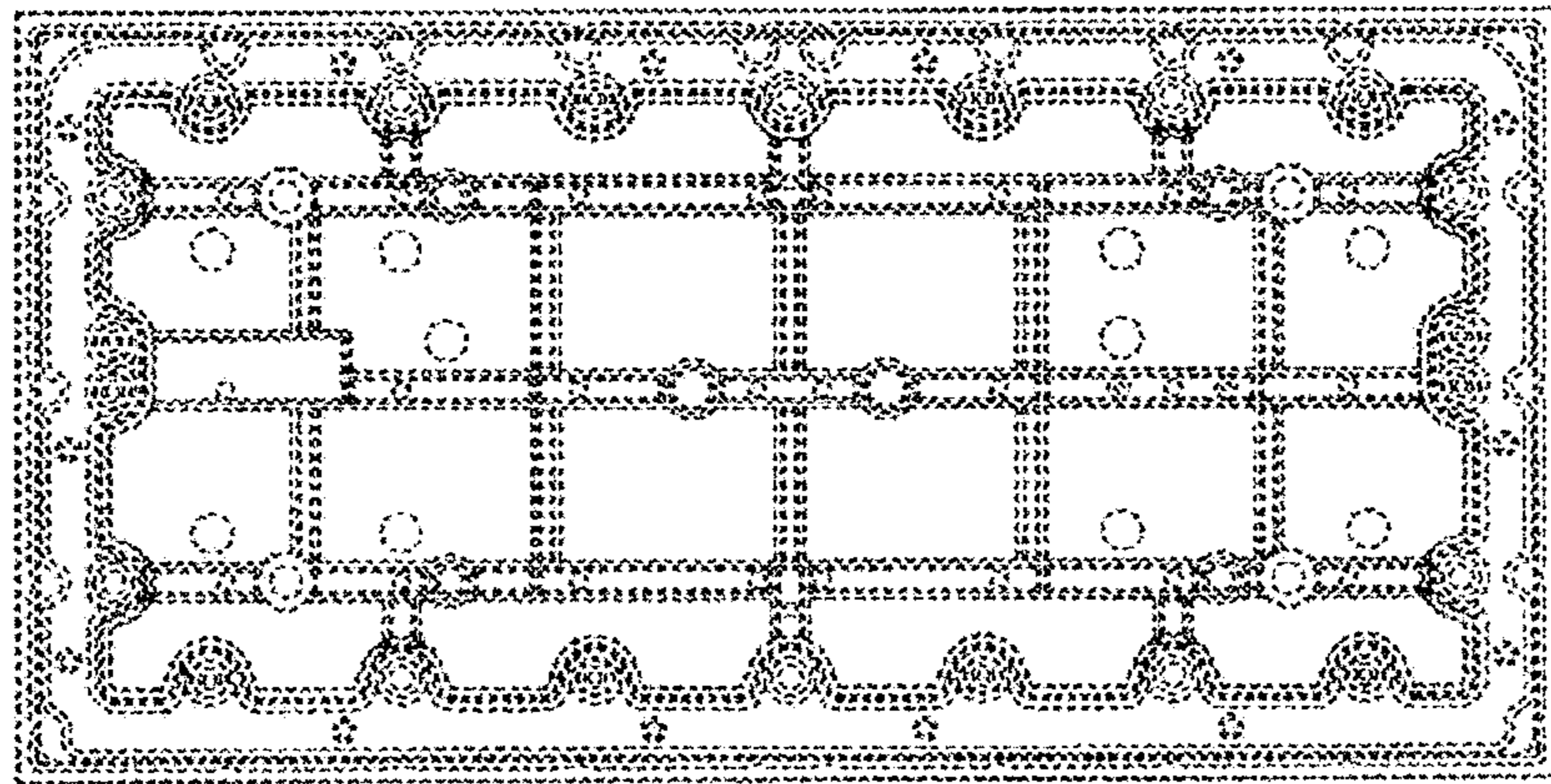


Fig. 4

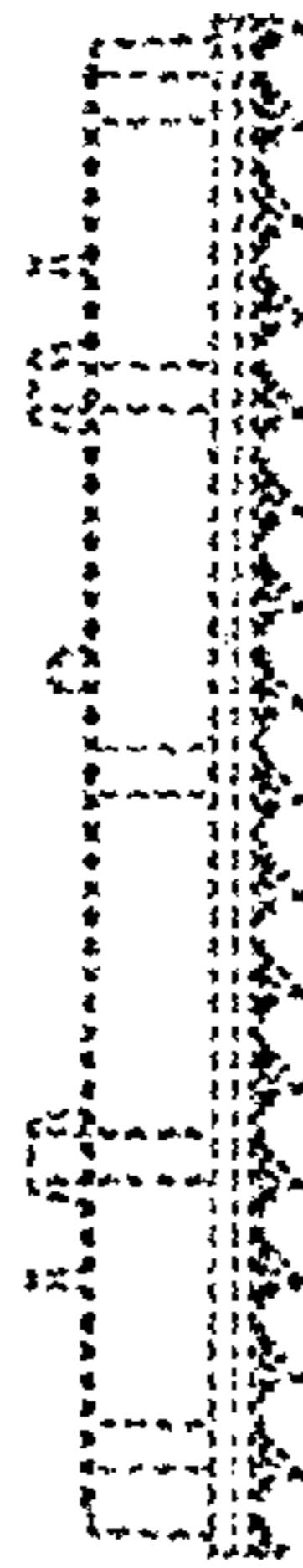


Fig. 5



Fig. 6

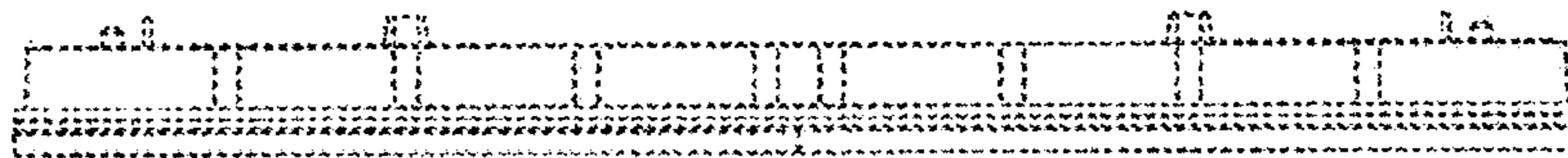


Fig. 7

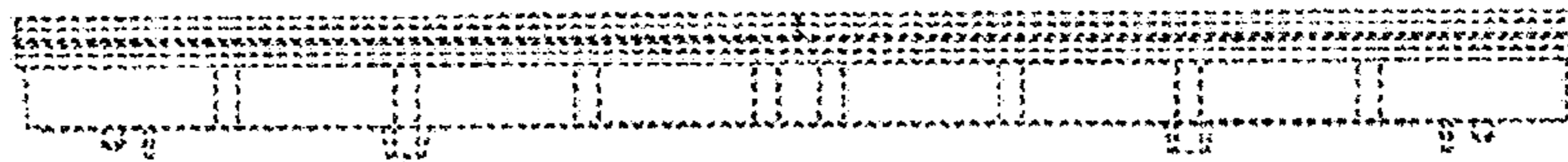


Fig. 8

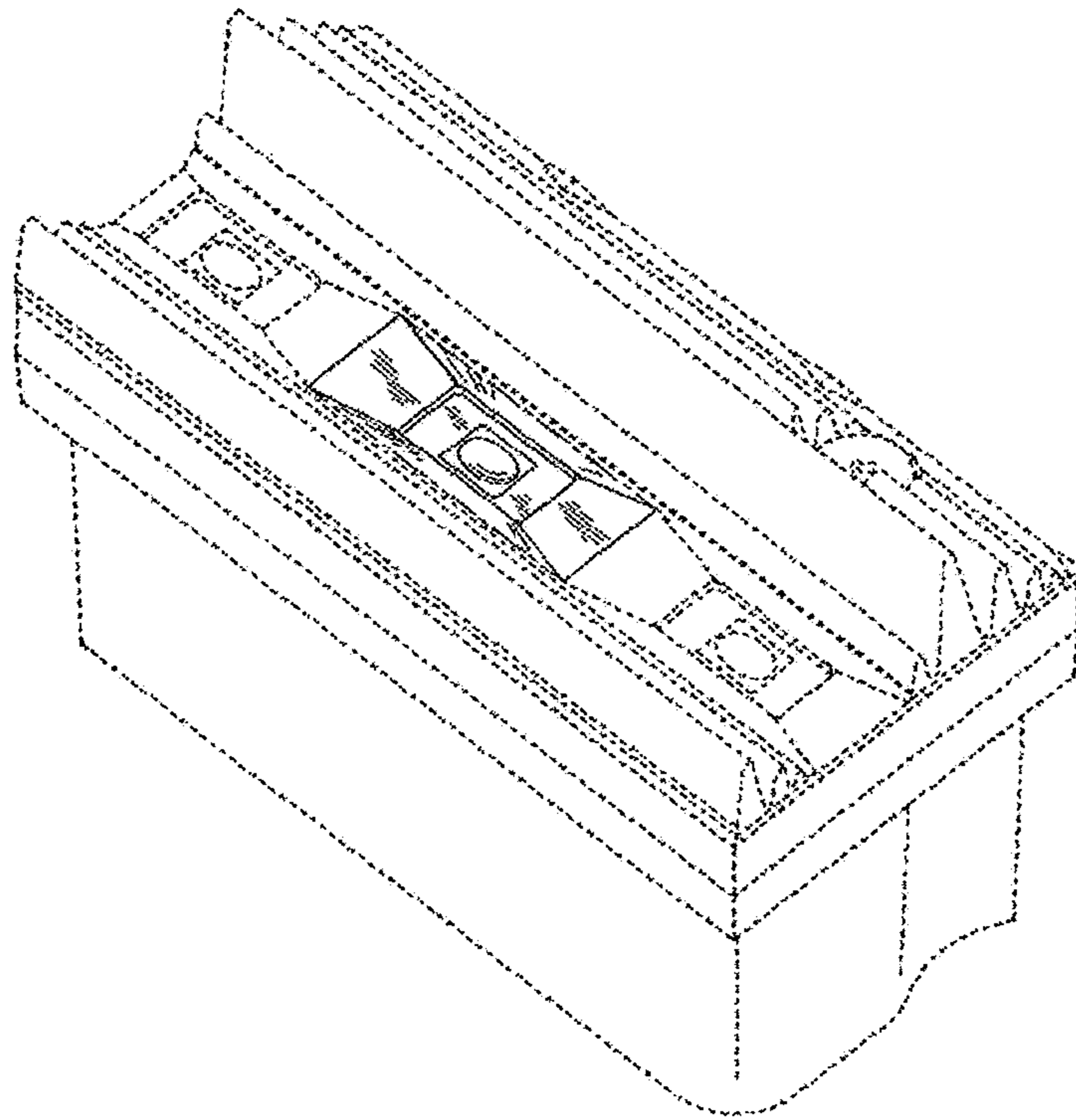


Fig. 9

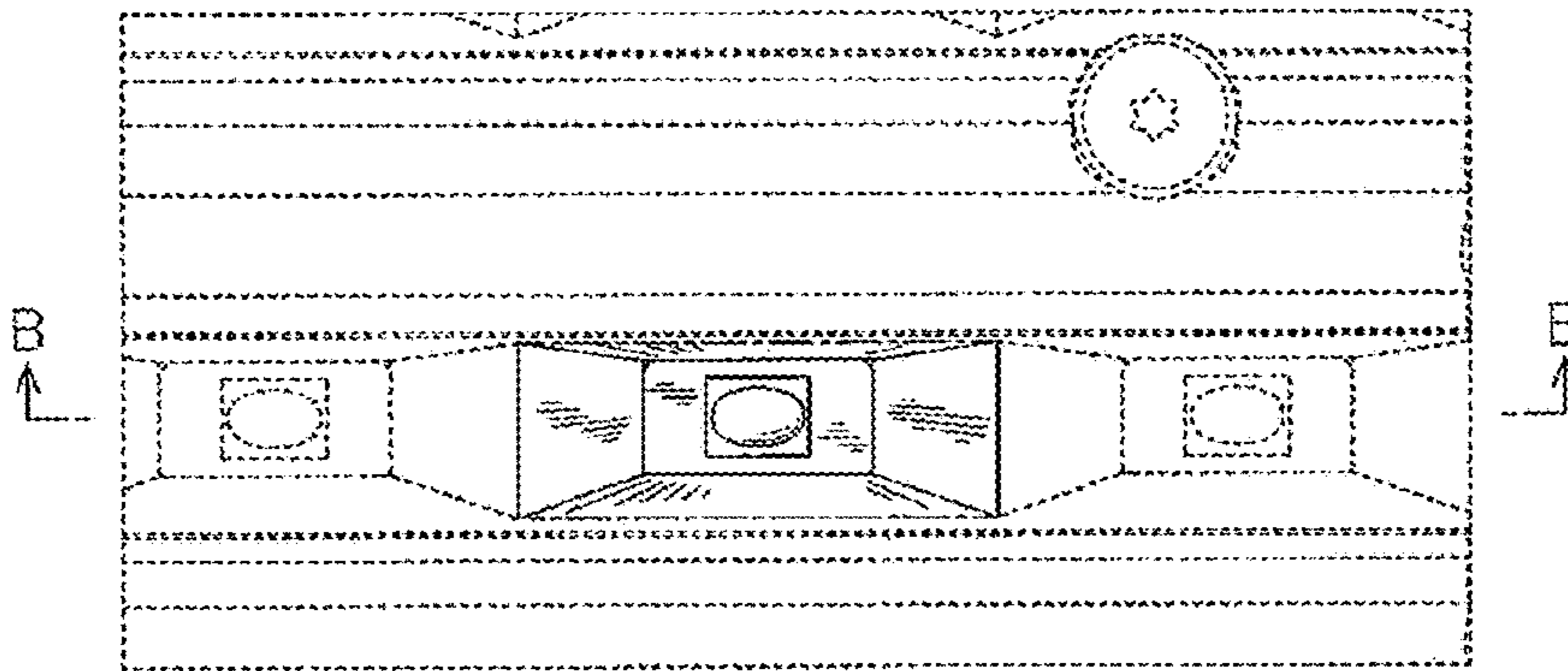


Fig.10

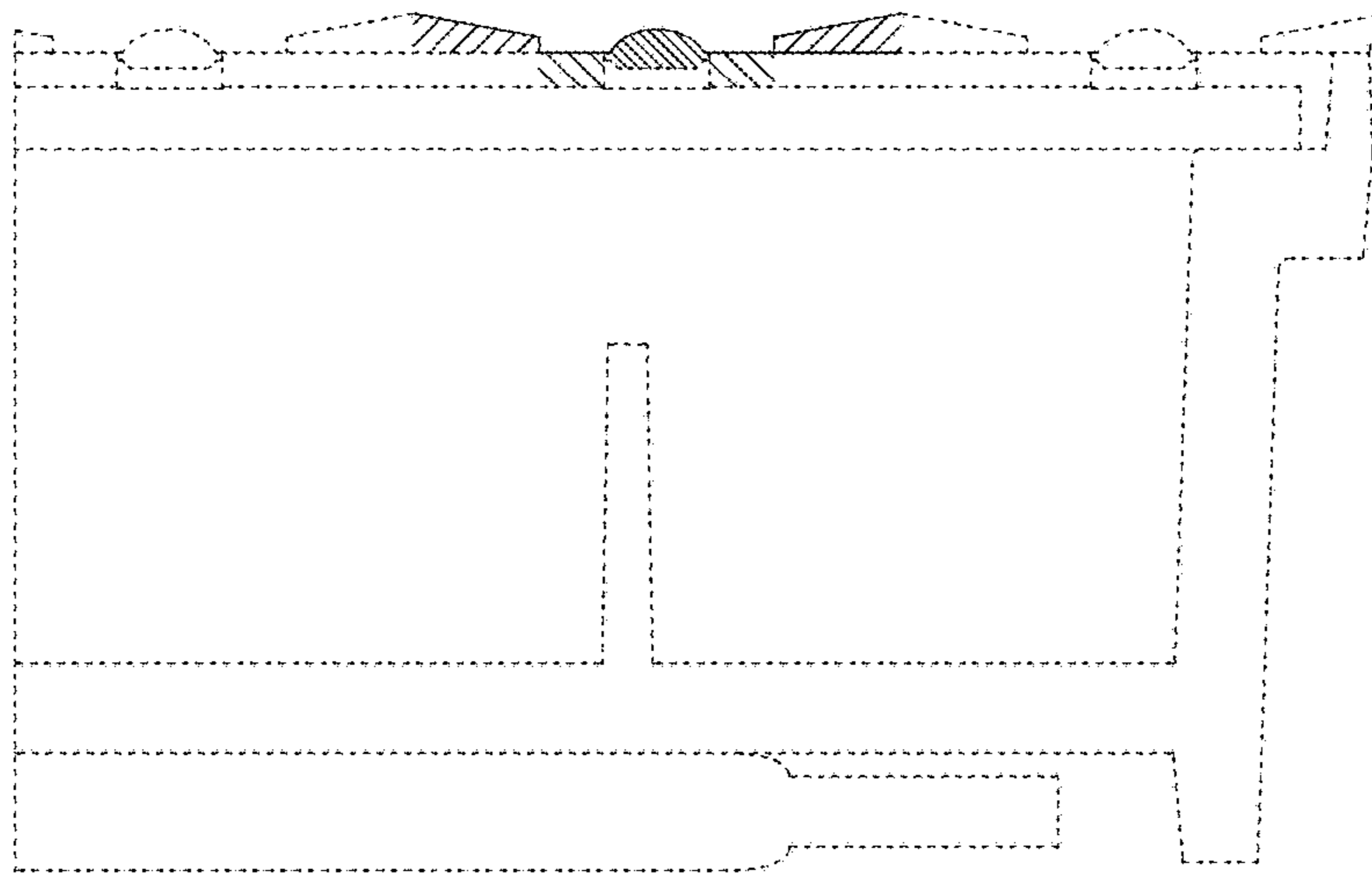


Fig.11

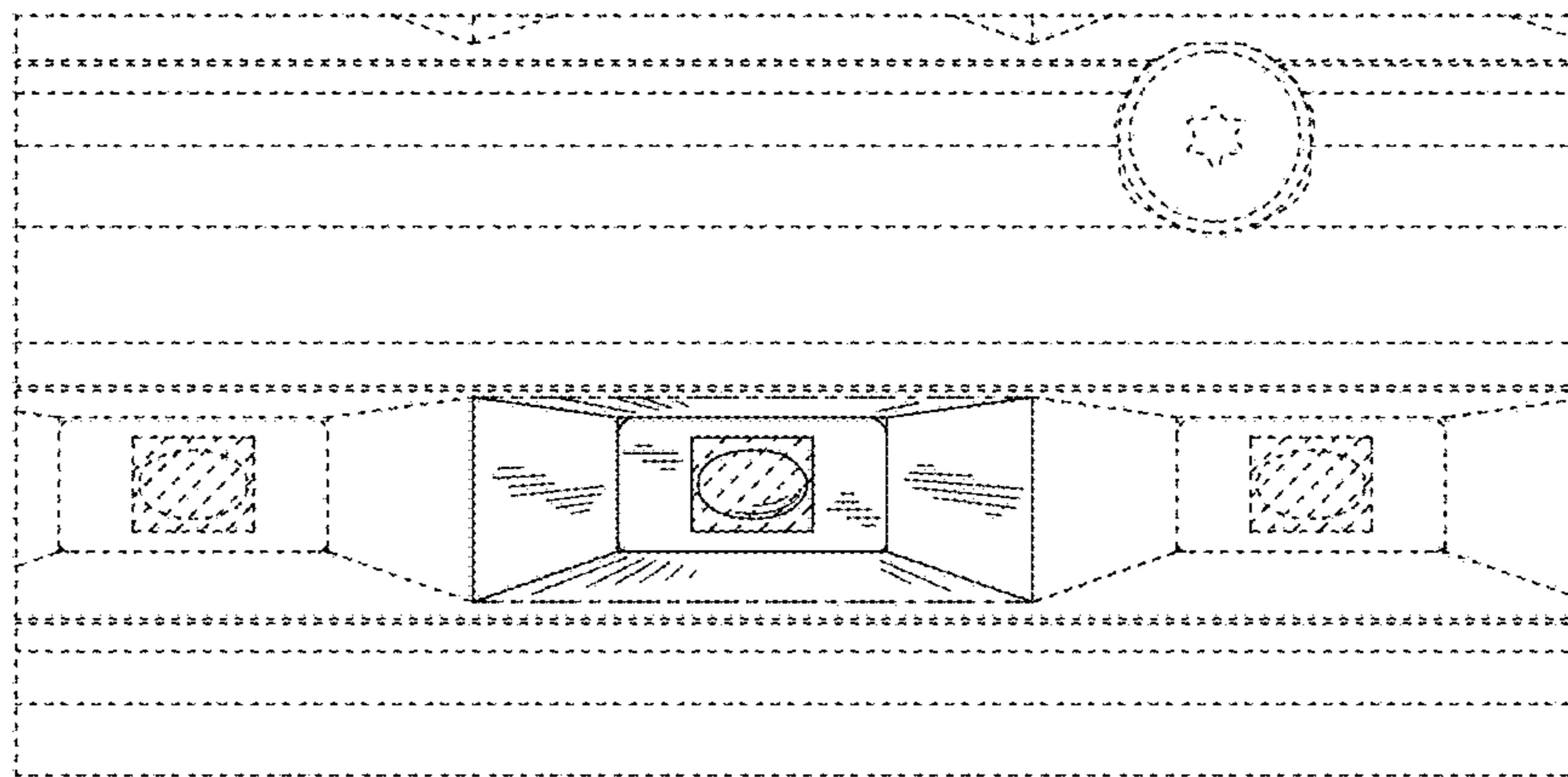


Fig. 12

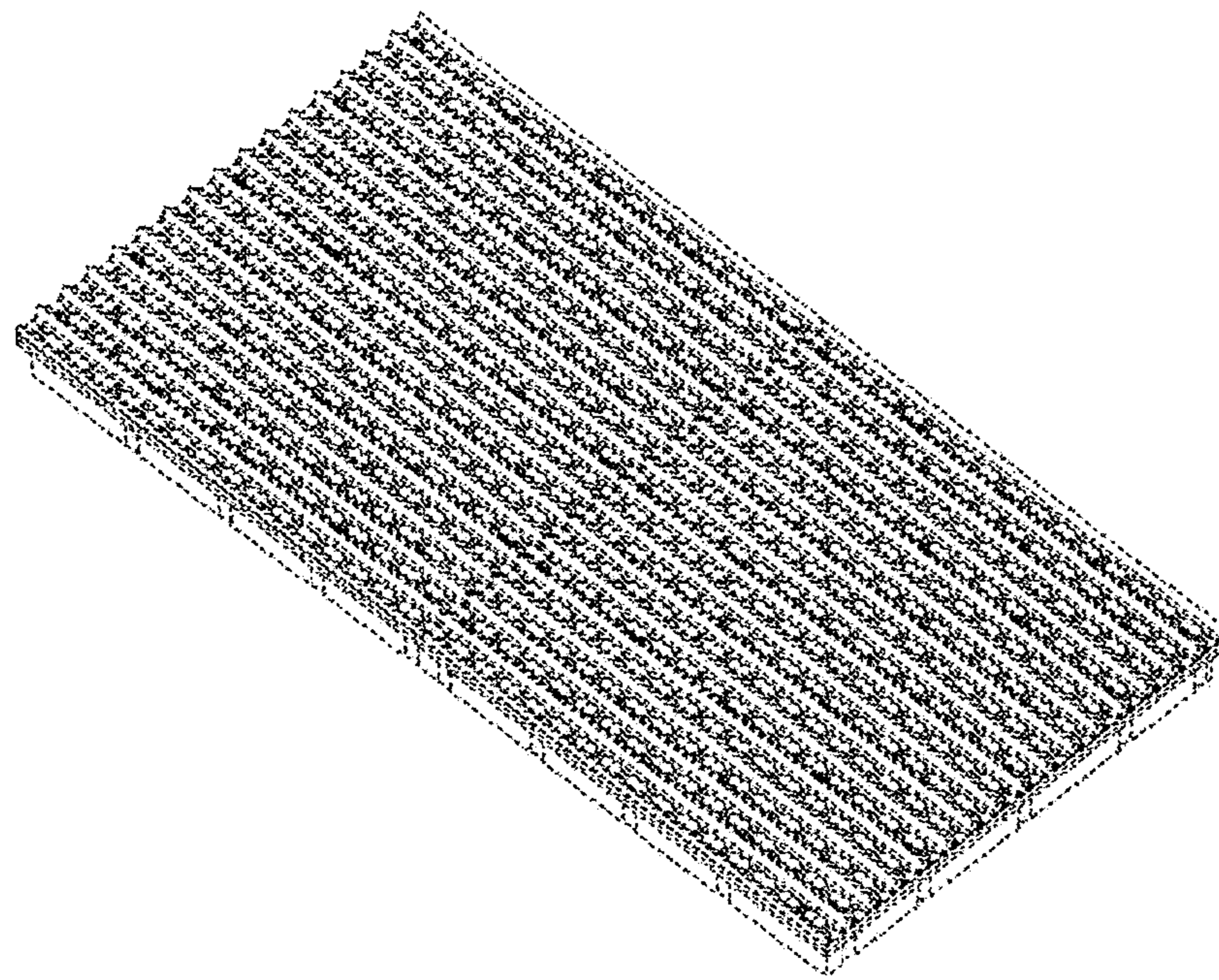


Fig. 13

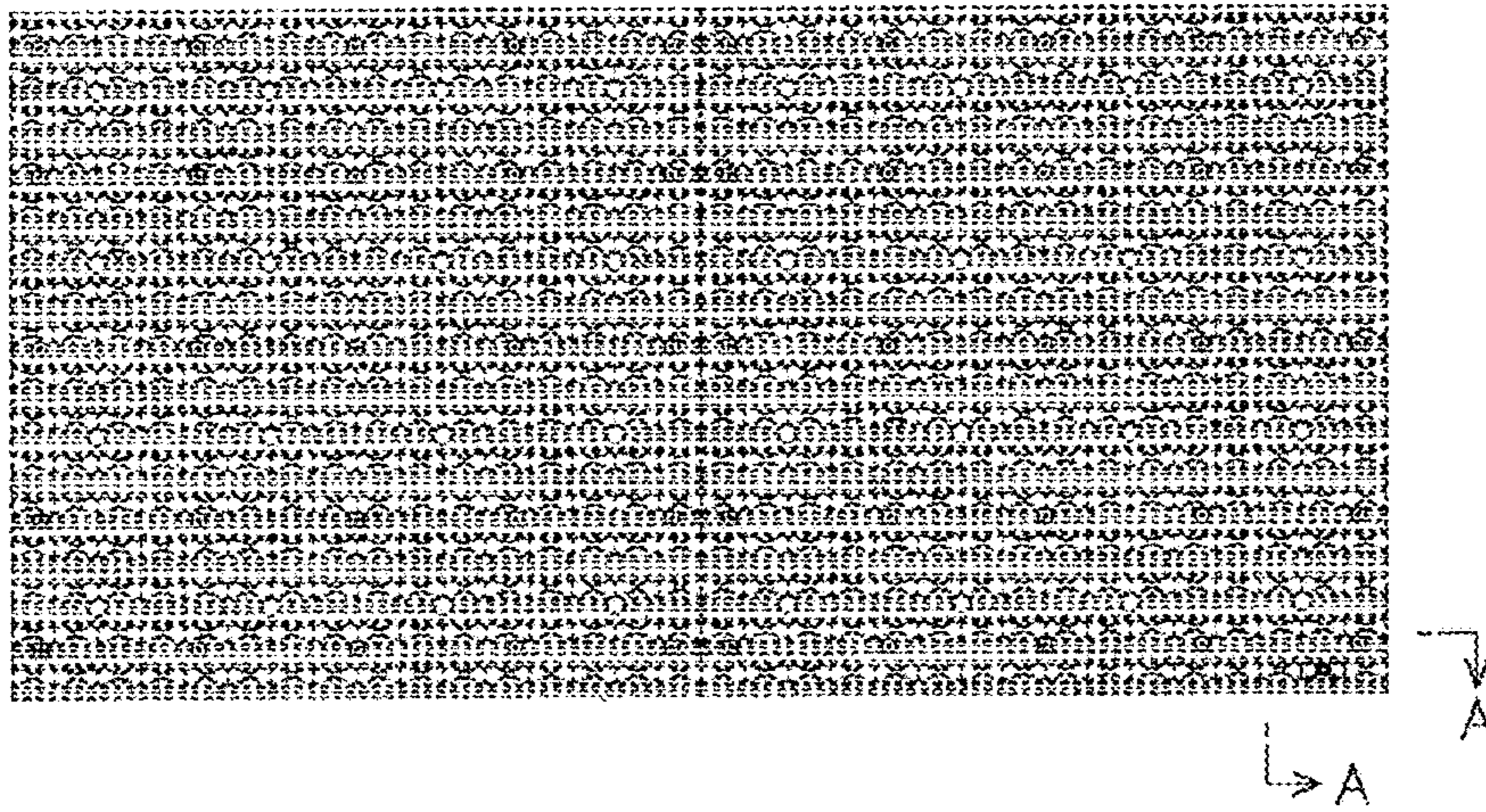


Fig. 14

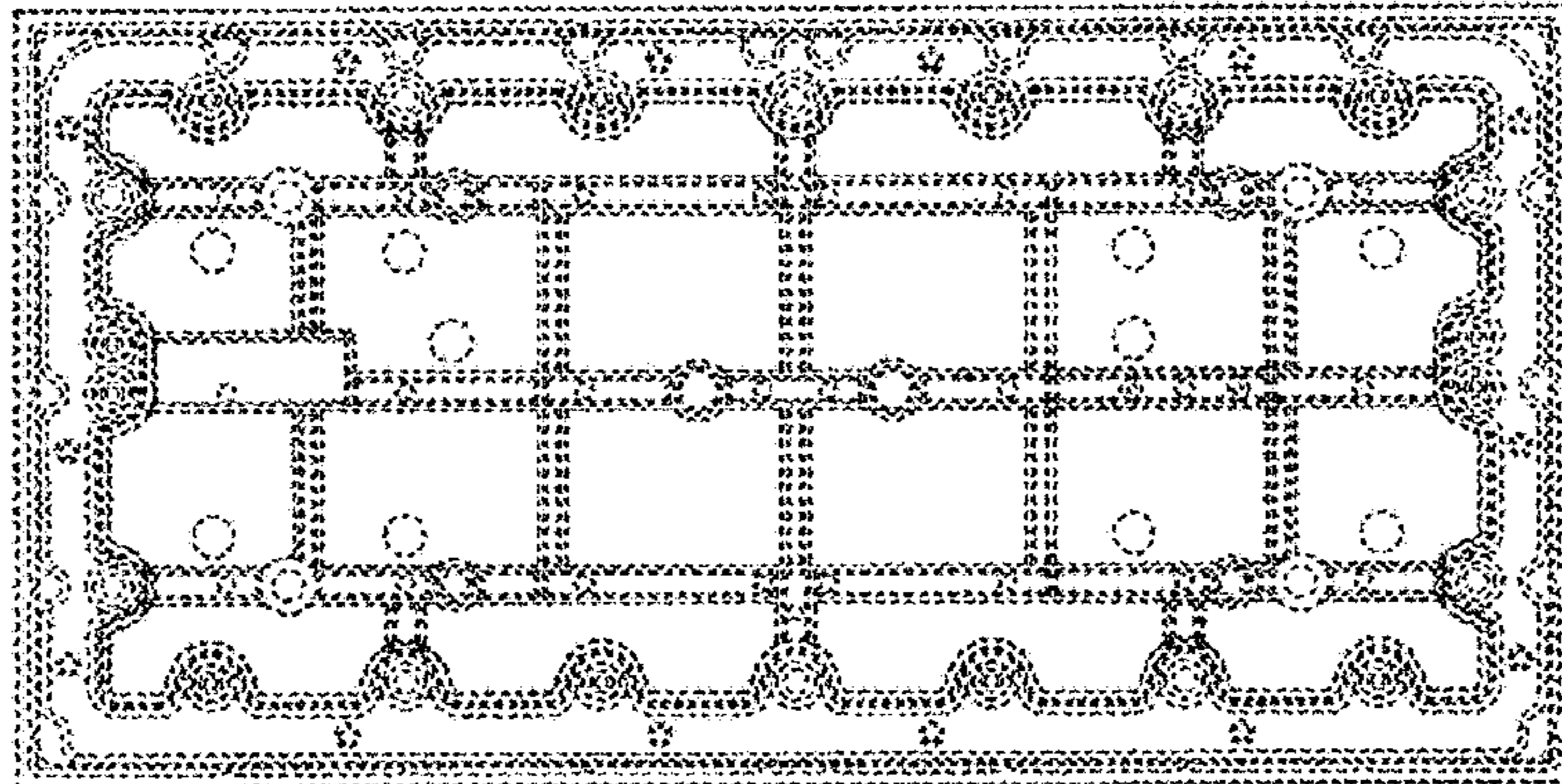


Fig. 15

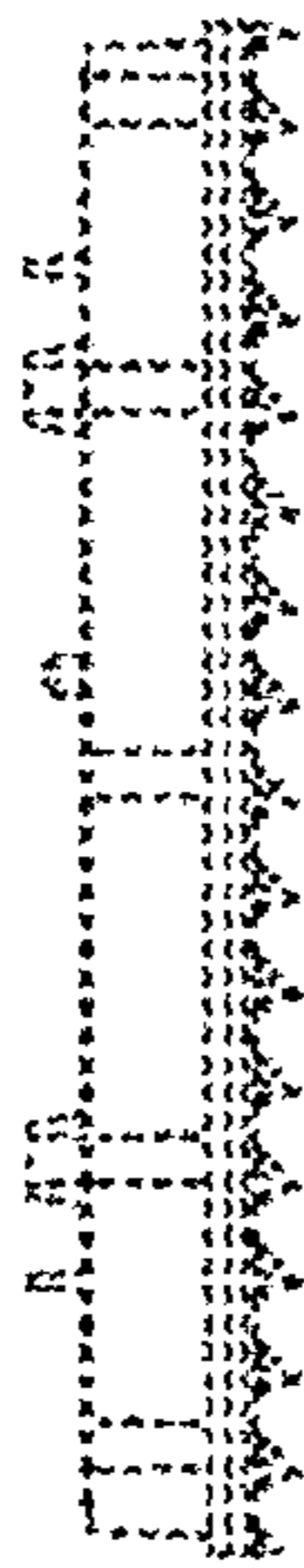


Fig. 16

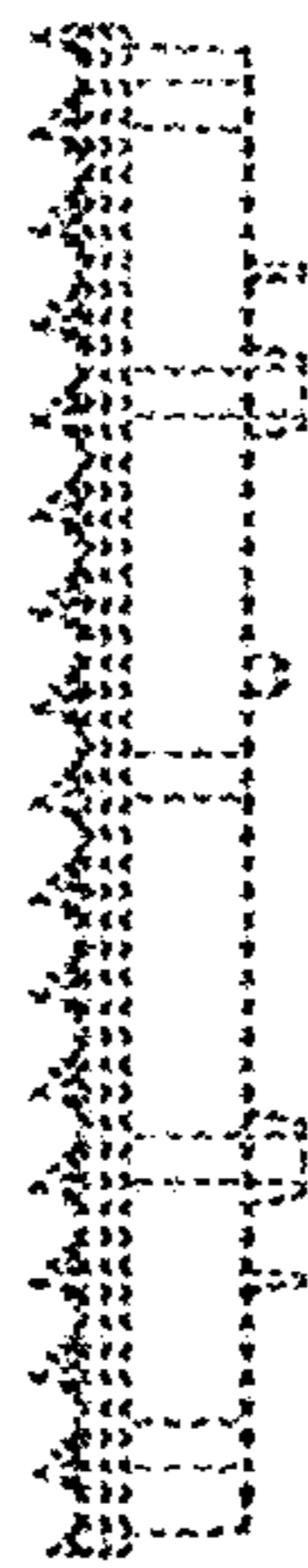


Fig. 17

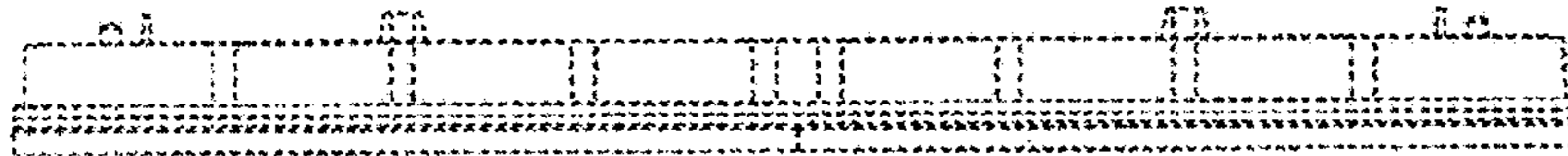


Fig. 18

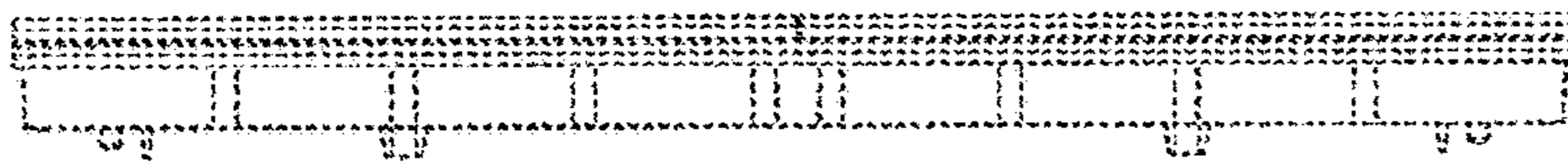


Fig. 19

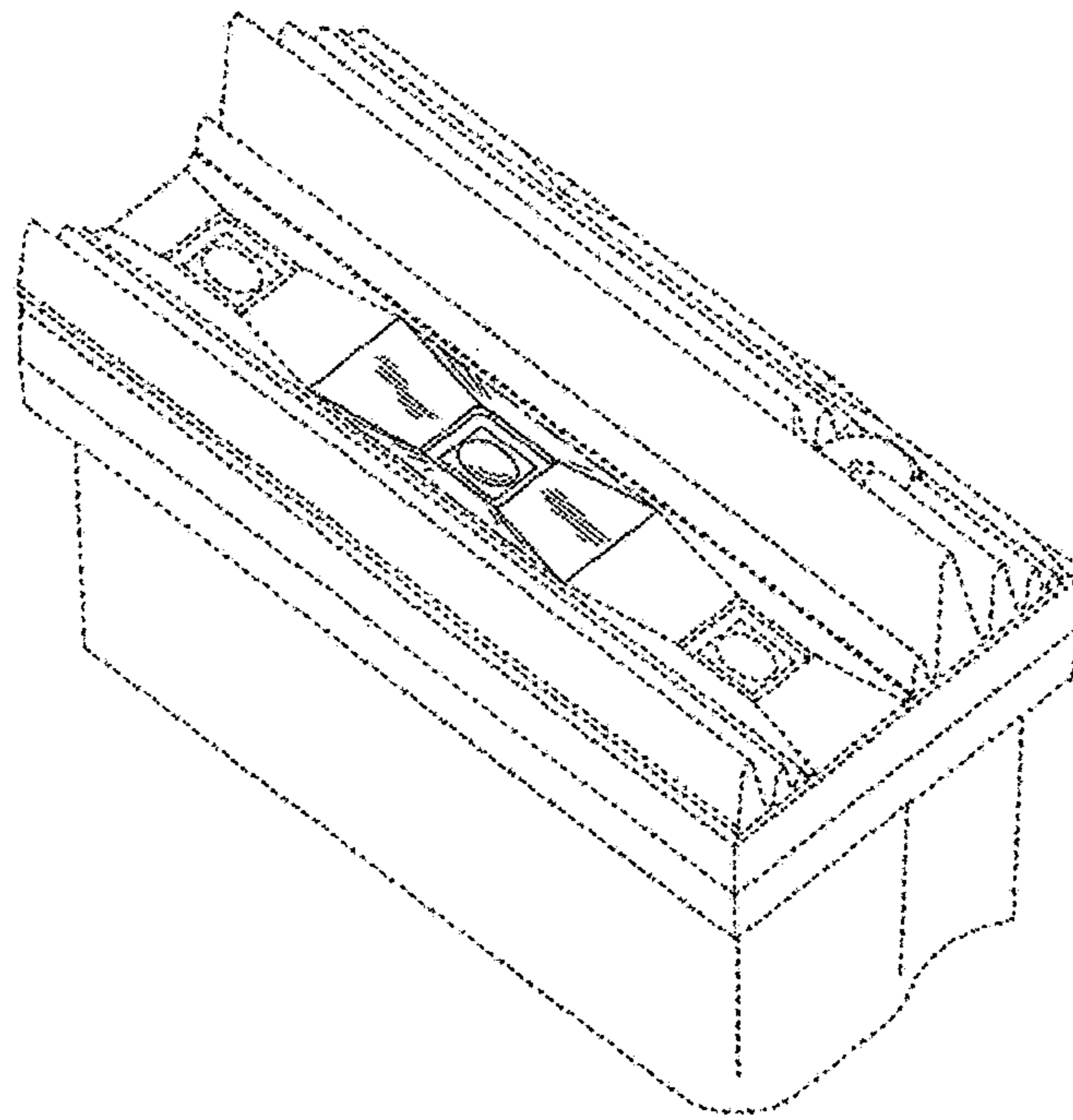


Fig. 20

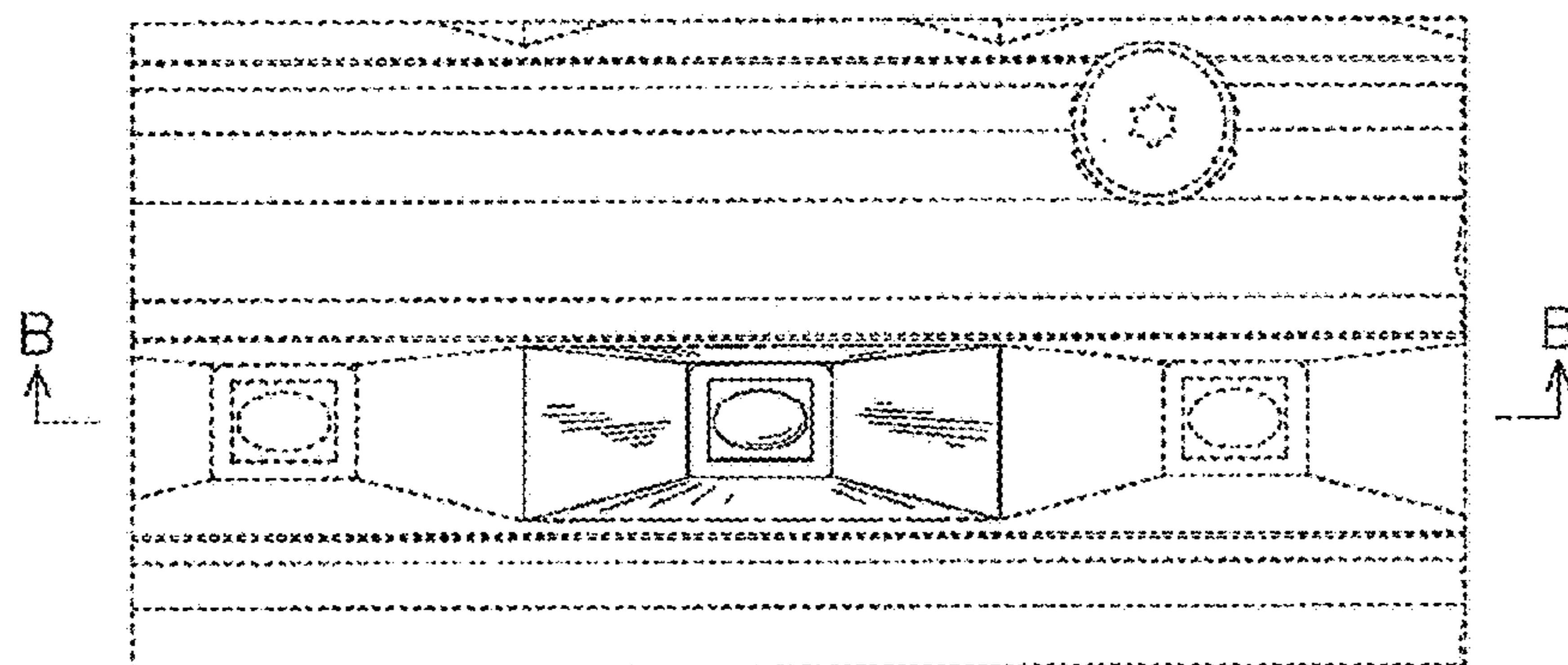


Fig.21

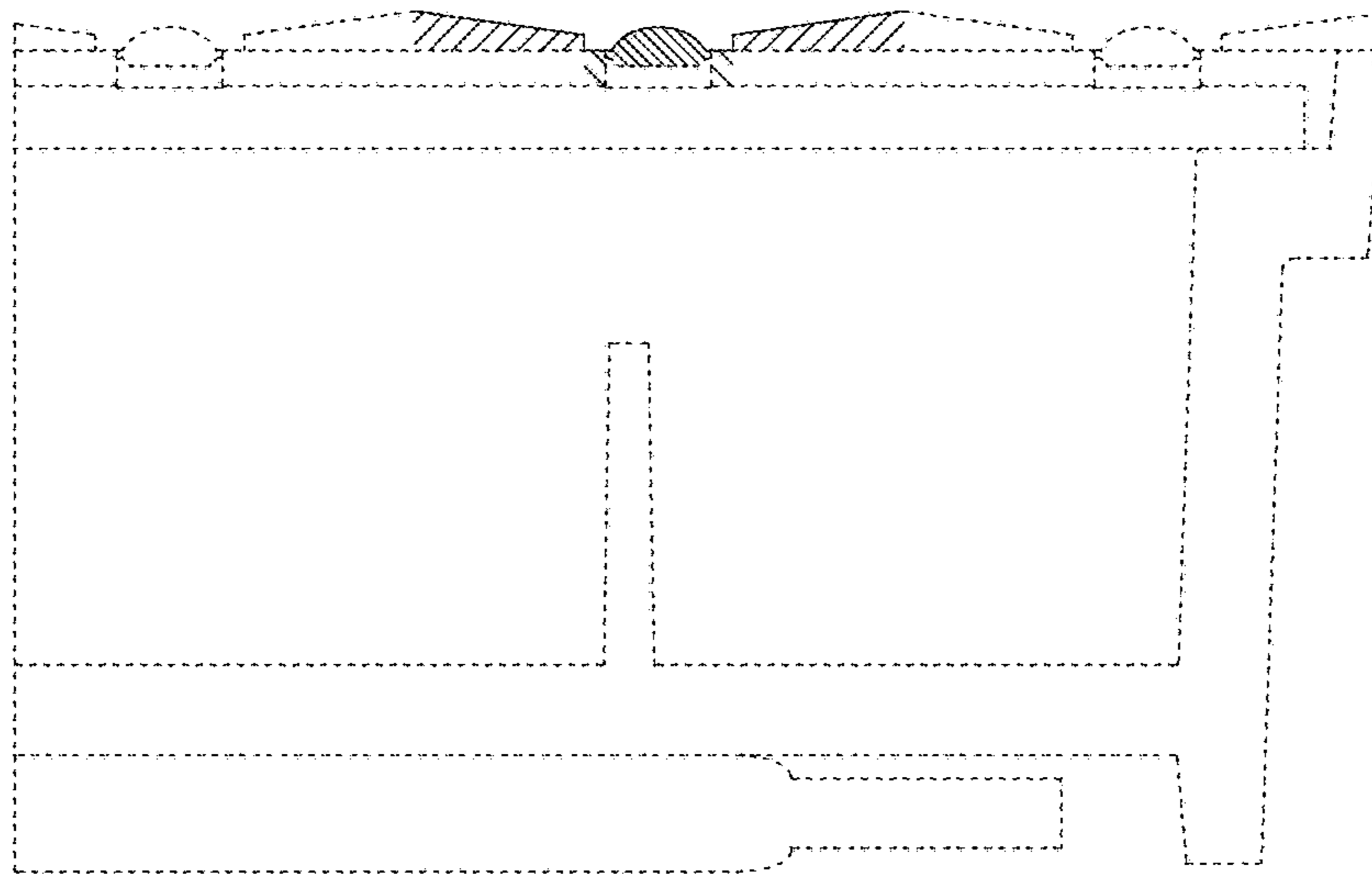


Fig.22

