



US00D686734S

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

(10) **Patent No.:** **US D686,734 S**
(45) **Date of Patent:** **** Jul. 23, 2013**

(54) **MEDICAL PATCH**

(75) Inventors: **Mitsutoshi Tsuruta**, Tokyo (JP);
Kentaro Ishimatsu, Tokyo (JP);
Kiyotaka Takada, Tosu (JP)

(73) Assignee: **Hisamitsu Pharmaceutical Co., Inc.**,
Tosu-shi, Saga (JP)

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

(21) Appl. No.: **29/356,253**

(22) Filed: **Feb. 23, 2010**

(30) **Foreign Application Priority Data**

Jan. 28, 2010 (JP) D2010-002000

(51) **LOC (9) Cl.** **24-04**

(52) **U.S. Cl.**
USPC **D24/189**

(58) **Field of Classification Search**
USPC D24/189; 424/447, 448, 449; 602/41-47,
602/52, 58; 428/40.1, 43, 57, 139, 343, 352;
604/304, 306, 307
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,233,209 A 2/1941 Herzog
2,280,506 A 4/1942 Betts

(Continued)

FOREIGN PATENT DOCUMENTS

CN 300737239 5/2007
JP 50-133797 11/1975

(Continued)

OTHER PUBLICATIONS

Notice of Allowance in Taiwan Patent Application No. 099306087 dated Jun. 21, 2011, 3 pages.

(Continued)

Primary Examiner — T. Chase Nelson

Assistant Examiner — Michelle E Wilson

(74) *Attorney, Agent, or Firm* — Leydig, Voit & Mayer, Ltd.

(57) **CLAIM**

The ornamental design for a medical patch, as shown and described.

DESCRIPTION

FIG. 1 is a front view of a medical patch of the present invention.

FIG. 2 is a rear view of the medical patch of FIG. 1.

FIG. 3 is a top plan view of the medical patch of FIG. 1.

FIG. 4 is a bottom view of the medical patch of FIG. 1.

FIG. 5 is a right side view of the medical patch of FIG. 1.

FIG. 6 is a left side view of the medical patch of FIG. 1.

FIG. 7 is an enlarged 2-2 sectional view of the 1-1 portion of the medical patch of FIG. 1.

FIG. 8 is an enlarged 3-3 sectional view of the 1-1 portion of the medical patch of FIG. 1.

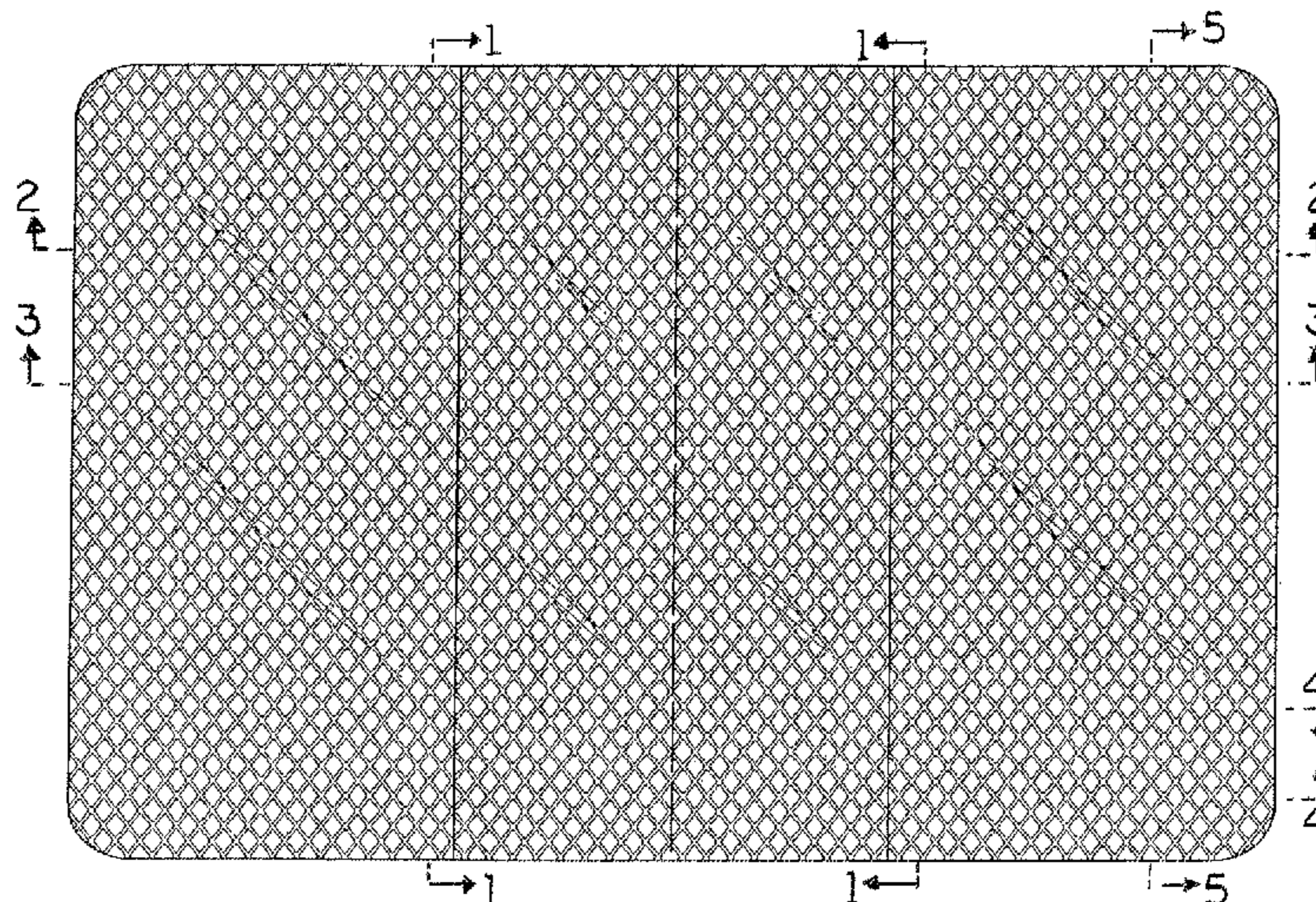
FIG. 9 is an enlarged perspective view of the 4-4 and 5-5 portions having shading on the ragged surface of the medical patch of FIG. 1 showing the embossed surface of the cover sheet.

FIG. 10 is a perspective view of the medical patch of FIG. 1 with the cover sheet partly removed.

FIG. 11 is a bottom view of the medical patch of FIG. 1 with the pull tab raised; and,

FIG. 12 is a bottom view of the medical patch of FIG. 1 with the cover sheet partly removed.

1 Claim, 12 Drawing Sheets



US D686,734 S

Page 2

U.S. PATENT DOCUMENTS

2,992,644 A 7/1961 Plantinga et al.
 3,156,242 A 11/1964 Crowe, Jr.
 3,260,260 A * 7/1966 Questel 128/851
 3,367,329 A * 2/1968 Dibelius 602/58
 3,416,524 A 12/1968 Meier
 3,645,835 A * 2/1972 Hodgson 428/195.1
 3,811,438 A * 5/1974 Economou 602/55
 3,885,559 A * 5/1975 Economou 602/55
 3,989,040 A * 11/1976 Lofgren et al. 128/856
 4,265,234 A * 5/1981 Schaar 602/57
 4,374,520 A * 2/1983 Grossmann et al. 128/851
 4,513,739 A 4/1985 Johns
 4,600,001 A * 7/1986 Gilman 602/52
 4,649,909 A 3/1987 Thompson
 4,664,106 A * 5/1987 Snedeker 602/57
 4,685,455 A * 8/1987 Vrouenraets 604/307
 4,743,232 A * 5/1988 Kruger 604/180
 4,744,355 A * 5/1988 Faasse, Jr. 602/57
 4,780,168 A * 10/1988 Beisang et al. 156/256
 4,781,293 A * 11/1988 Johns 206/441
 4,832,008 A * 5/1989 Gilman 602/57
 4,915,227 A * 4/1990 Johns 206/441
 4,915,228 A * 4/1990 Johns 206/441
 4,917,928 A * 4/1990 Heinecke 428/42.2
 4,917,929 A * 4/1990 Heinecke 428/41.4
 4,950,282 A * 8/1990 Beisang et al. 606/216
 RE33,353 E * 9/1990 Heinecke 428/41.5
 5,009,224 A * 4/1991 Cole 602/52
 5,042,466 A * 8/1991 McKnight 602/52
 5,052,381 A * 10/1991 Gilbert et al. 602/52
 5,074,293 A * 12/1991 Lott et al. 602/57
 5,088,483 A * 2/1992 Heinecke 602/46
 5,147,698 A * 9/1992 Cole 428/41.3
 5,153,040 A * 10/1992 Faasse, Jr. 428/41.5
 5,360,393 A * 11/1994 Garth et al. 602/17
 5,520,629 A 5/1996 Heinecke et al.
 5,527,271 A * 6/1996 Shah et al. 602/48
 D377,529 S 1/1997 Nyqvist-Mayer
 5,599,289 A * 2/1997 Castellana 602/57
 5,637,080 A * 6/1997 Geng 602/58
 5,653,699 A * 8/1997 Reed et al. 604/307
 D385,038 S 10/1997 Shultz
 5,683,354 A 11/1997 Levy
 5,713,842 A * 2/1998 Kay 602/57
 5,733,251 A * 3/1998 Johns 602/57
 5,820,578 A * 10/1998 Johansen 602/57
 5,823,977 A * 10/1998 Dalyea 602/3
 5,840,052 A * 11/1998 Johns 602/54
 D408,541 S * 4/1999 Dunshee et al. D24/189
 D409,754 S * 5/1999 Dunshee et al. D24/189
 D410,087 S * 5/1999 Dunshee et al. D24/189
 5,979,450 A * 11/1999 Baker et al. 128/849
 5,985,395 A * 11/1999 Comstock et al. 428/40.1
 6,043,408 A * 3/2000 Geng 602/58
 6,093,465 A * 7/2000 Gilchrist et al. 428/40.1
 D430,674 S 9/2000 Dunshee et al.
 D433,140 S * 10/2000 Nielsen D24/189
 6,149,614 A * 11/2000 Dunshee et al. 602/57
 6,159,497 A * 12/2000 LaPrade et al. 424/448
 D454,955 S 3/2002 Dunshee et al.
 D458,687 S * 6/2002 Dale et al. D24/189
 D473,947 S 4/2003 Jacobson
 D474,842 S 5/2003 Wolsing et al.
 6,607,799 B1 * 8/2003 Heinecke et al. 428/40.1
 D480,144 S 9/2003 Adams et al.
 D484,601 S 12/2003 Griffiths et al.

6,706,940 B2 * 3/2004 Worthley 602/57
 6,742,522 B1 * 6/2004 Baker et al. 128/849
 D493,230 S 7/2004 Liedtke et al.
 D495,419 S * 8/2004 Dunshee D24/189
 6,797,855 B2 * 9/2004 Worthley 602/57
 D501,559 S 2/2005 Shaw et al.
 D501,926 S 2/2005 Shaw et al.
 D503,982 S 4/2005 Liedtke et al.
 D511,005 S 10/2005 Liedtke et al.
 D516,729 S 3/2006 Liedtke et al.
 D557,424 S 12/2007 Knight
 D572,824 S 7/2008 Propp
 D573,260 S * 7/2008 Dunshee D24/189
 D578,651 S * 10/2008 Dunshee D24/189
 7,442,849 B2 * 10/2008 Heinecke 602/58
 D604,423 S * 11/2009 Dunshee D24/189
 D604,424 S 11/2009 Coubetergues
 D605,299 S 12/2009 Iwahashi et al.
 D607,112 S 12/2009 Rogers et al.
 D611,156 S * 3/2010 Dunshee D24/189
 D625,018 S 10/2010 Smith et al.
 7,812,212 B2 * 10/2010 Propp et al. 602/58
 8,057,885 B2 * 11/2011 Goyarts 428/198
 8,080,703 B2 * 12/2011 Marcussen 602/55
 8,110,718 B2 * 2/2012 Heinecke 602/58
 8,212,101 B2 * 7/2012 Propp 602/58
 D670,395 S * 11/2012 Wakamatsu et al. D24/189
 D672,464 S 12/2012 Holm et al.
 2011/0229676 A1 9/2011 Funakoshi et al.

FOREIGN PATENT DOCUMENTS

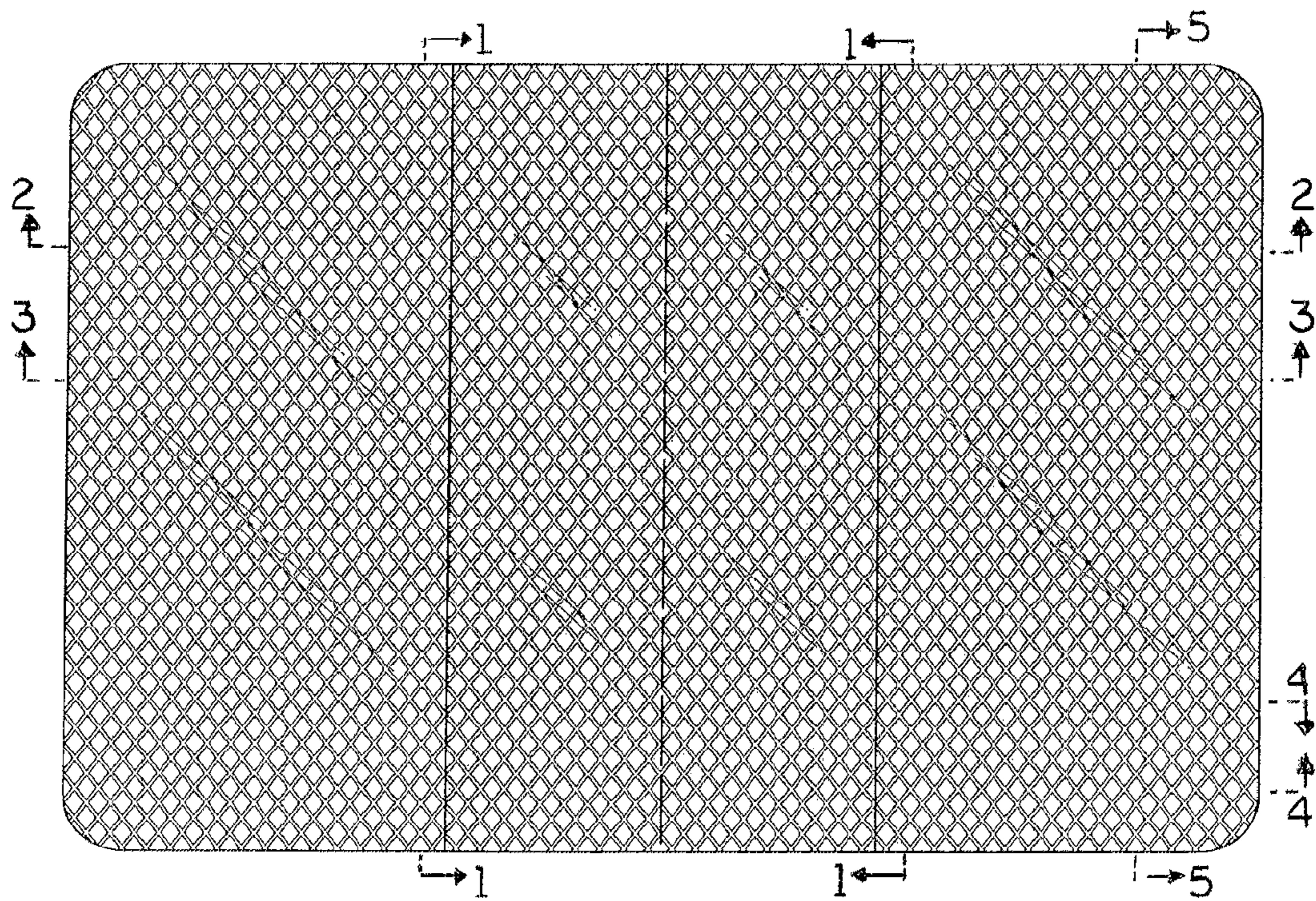
JP 59-149141 8/1984
 JP 08-112305 5/1996
 JP 09-238975 A 9/1997
 JP 2000-219622 8/2000
 JP 2002-531221 9/2002
 JP D1232725 3/2005
 JP 2006-011565 5/2006
 JP 2008-264170 11/2008
 JP 2009-131583 6/2009
 JP D1378701 12/2010
 JP D1378702 12/2010
 JP D1380357 12/2010
 JP D1408441 2/2011
 JP 1430546 12/2011
 KR 3001360890000 1/1993
 KR 300476900.0001 1/2008
 KR 300496466.0000 6/2008
 TW D124495 8/2008
 VN 3-2007-00220 6/2007
 VN 3-2010-00235 5/2010
 WO WO 00/33776 6/2000
 WO WO 2010/044152 A1 4/2010

OTHER PUBLICATIONS

Vietnamese Office Action, Application No. 3-2010-01527, dated Apr. 6, 2012.
 Office Action, U.S. Appl. No. 29/390,774 mailed Jan. 17, 2013.
 Notice of Allowance, U.S. Appl. No. 29/379,795 mailed Jan. 23, 2013.
 International Preliminary Report on Patentability, Application No. PCT/JP2010/067140 dated May 15, 2012.
 International Preliminary Report on Patentability, Application No. PCT/JP2010/067129 dated May 15, 2012.

* cited by examiner

Fig. 1



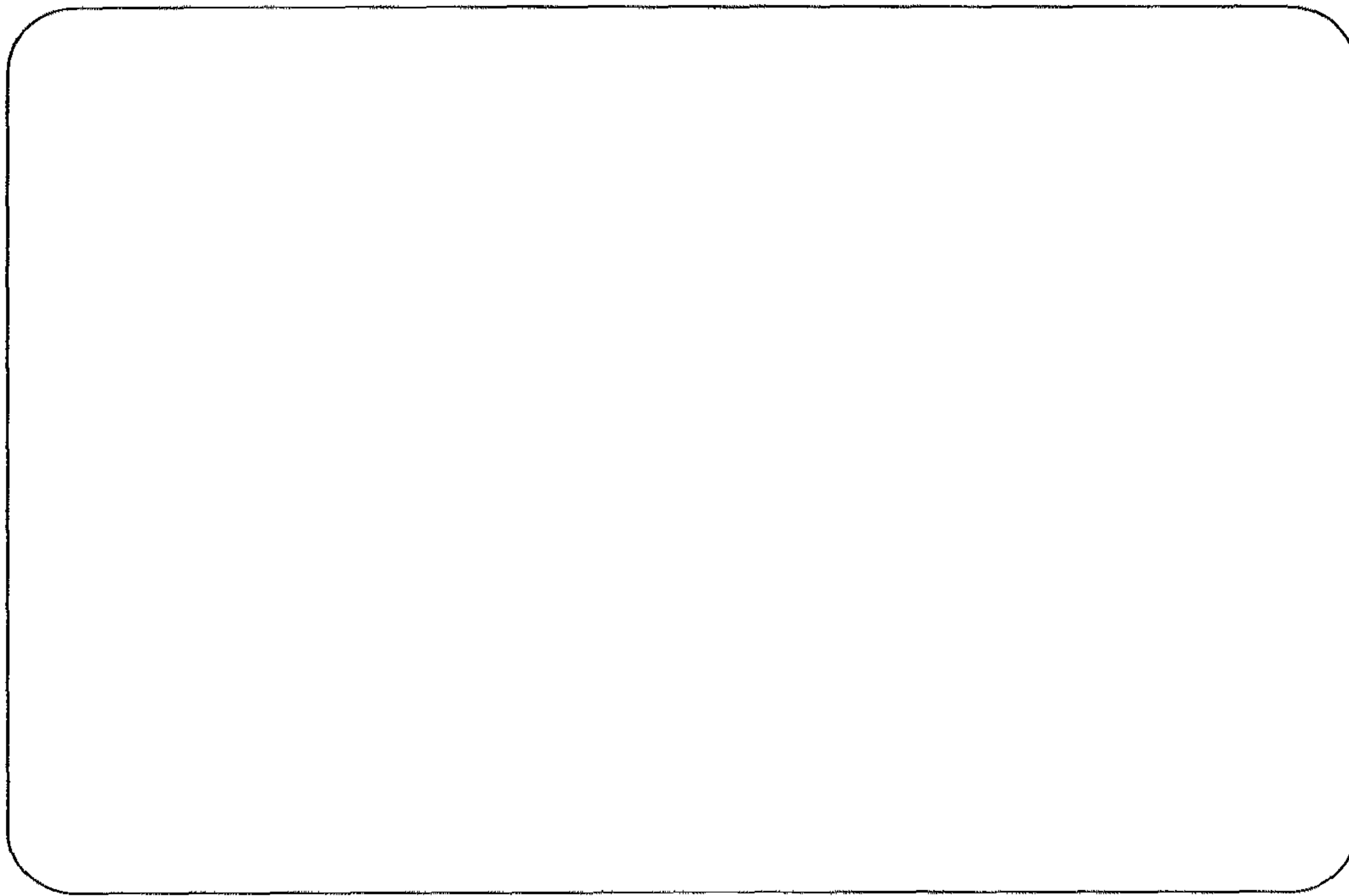


Fig. 2

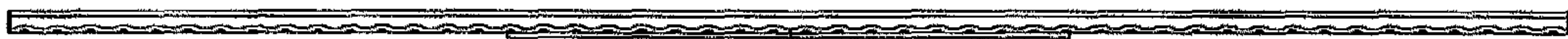


Fig. 3

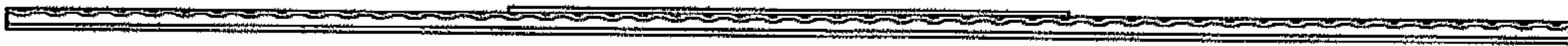


Fig. 4



Fig. 5



Fig. 6

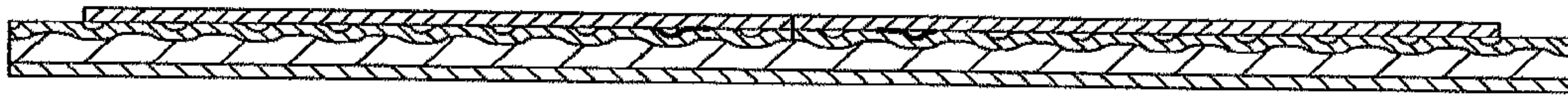


Fig. 7

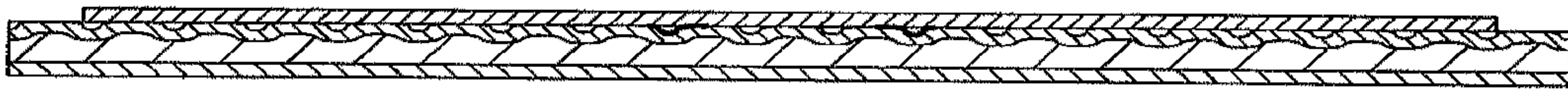


Fig. 8

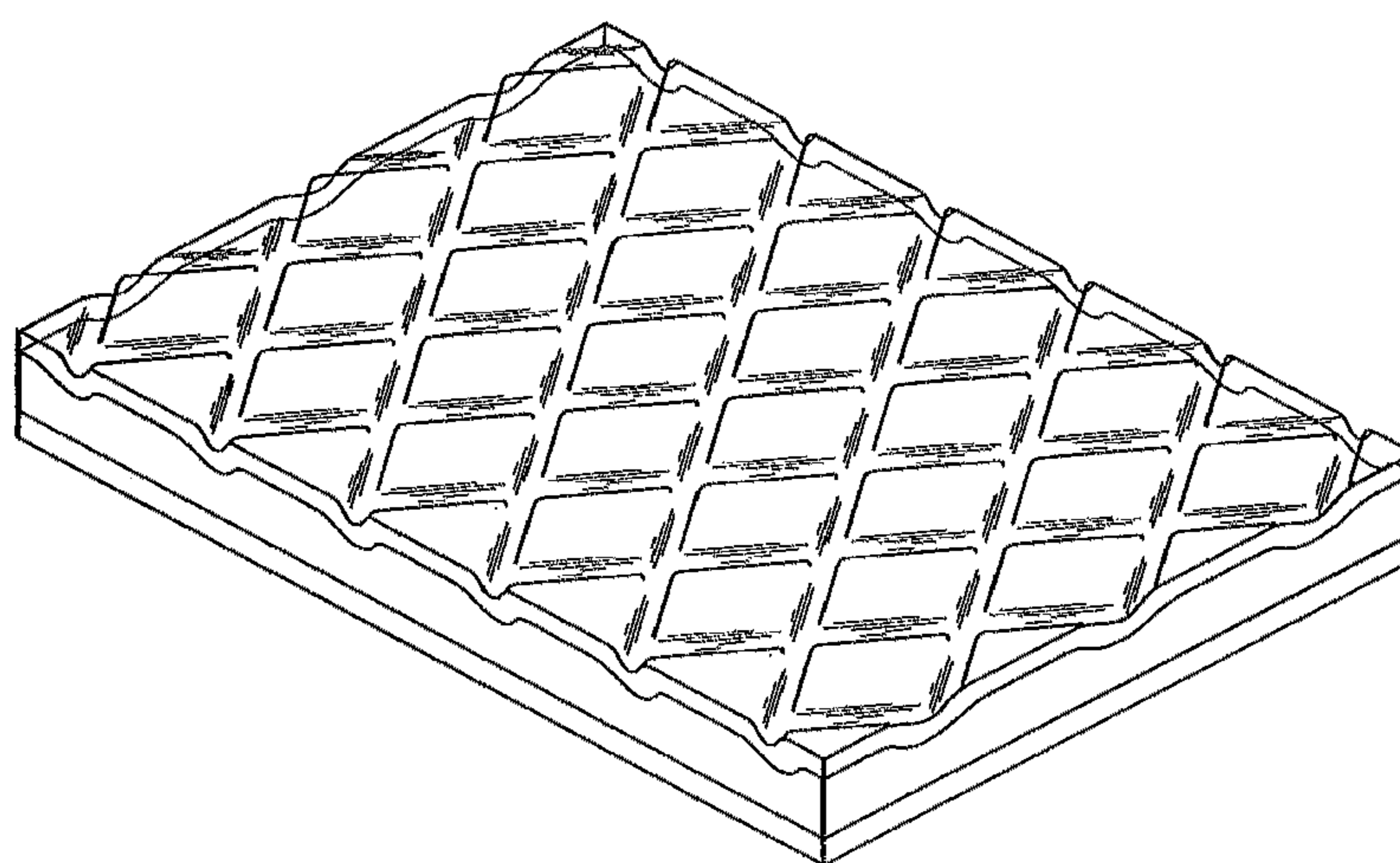


Fig. 9

Fig. 10

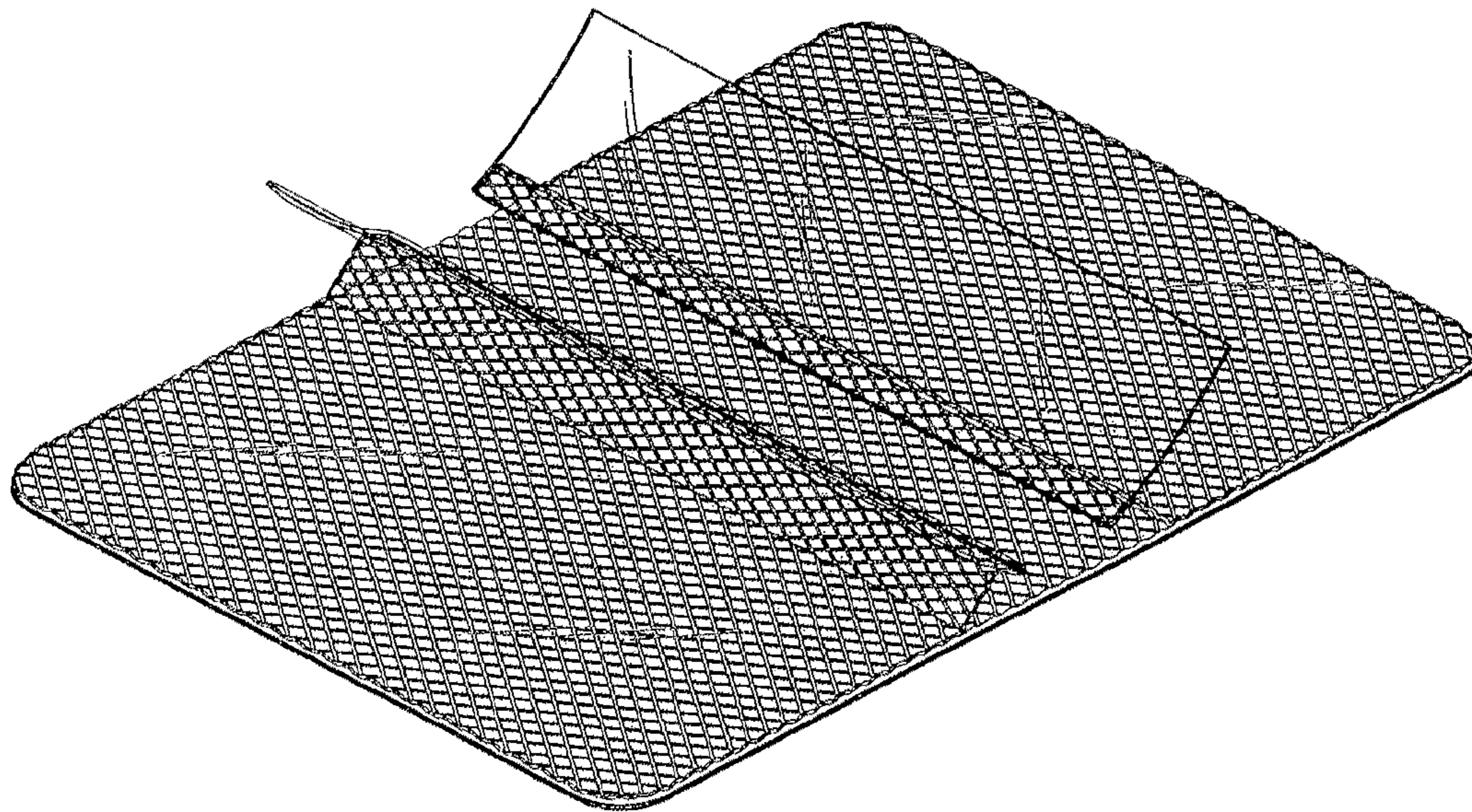




Fig. 11

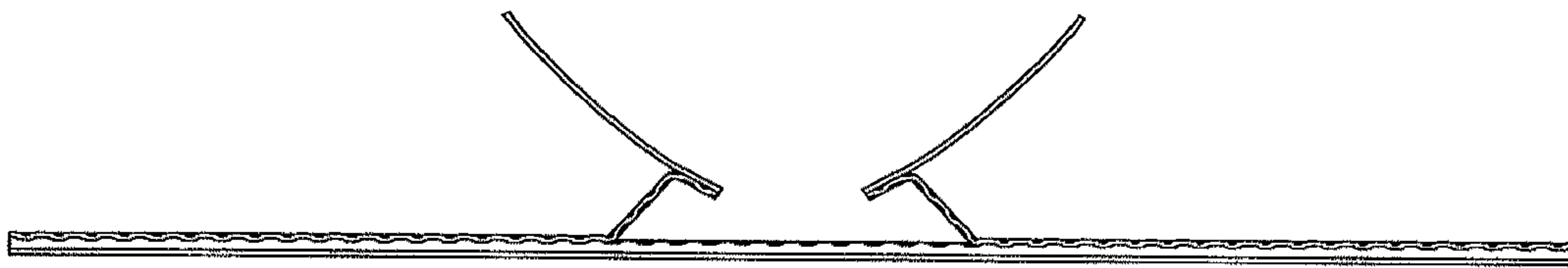


Fig. 12