



US00D939508S

(12) **United States Design Patent** (10) **Patent No.:** **US D939,508 S**
Albertson (45) **Date of Patent:** **** Dec. 28, 2021**

(54) **DEVICE PERFORMANCE ENHANCER**

(71) Applicant: **Robert V. Albertson**, Mound, MN (US)
(72) Inventor: **Robert V. Albertson**, Mound, MN (US)
(73) Assignee: **AWB COMPANY**, Mound, MN (US)
(**) Term: **15 Years**

(21) Appl. No.: **29/651,644**

(22) Filed: **Nov. 19, 2018**

(51) **LOC (13) Cl.** **14-02**

(52) **U.S. Cl.**
USPC **D14/439**; D13/118; D14/240; D14/250;
D32/40

(58) **Field of Classification Search**

USPC D14/248, 250, 240, 230, 217, 138 G,
D14/138 AD, 341, 138 R, 496, 203.1,
D14/203.3, 203.5, 203.7, 432, 436-439;
D13/101, 118; D32/40; D19/9, 10;
D20/11, 27, 40; D3/247
CPC .. H01Q 1/245; H04M 1/0266; H04M 1/0202;
H04M 1/026

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,954,940 A * 4/1934 Mikel A47K 7/024
4/575.1
4,202,491 A * 5/1980 Suzuki G06K 7/12
235/468
4,360,728 A * 11/1982 Drexler G06K 19/14
235/440
D284,203 S * 6/1986 Landau D19/59

(Continued)

FOREIGN PATENT DOCUMENTS

CN 302832074 * 1/2006

OTHER PUBLICATIONS

DIY Signal Boosting—The Cell Phone Signal Booster Sticker, signalbooster.com, dated Aug. 22, 2018, [online], [site visited Mar. 8, 2021]. Available from Internet, <https://www.signalbooster.com/blogs/news/diy-signal-boosting-the-cell-phone-signal-booster-sticker> (Year: 2018).*

(Continued)

Primary Examiner — Jeffrey D Asch

(74) *Attorney, Agent, or Firm* — Richard John Bartz;
Richard Otto Bartz

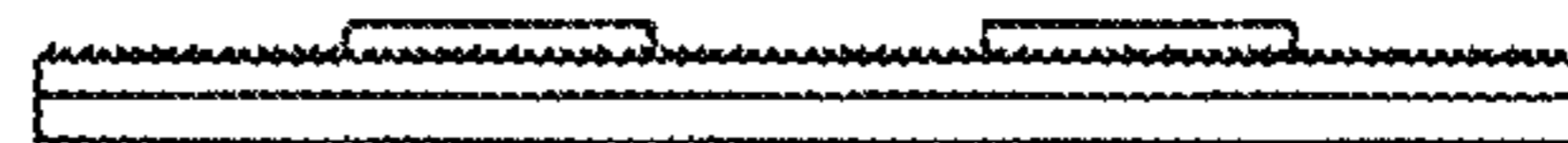
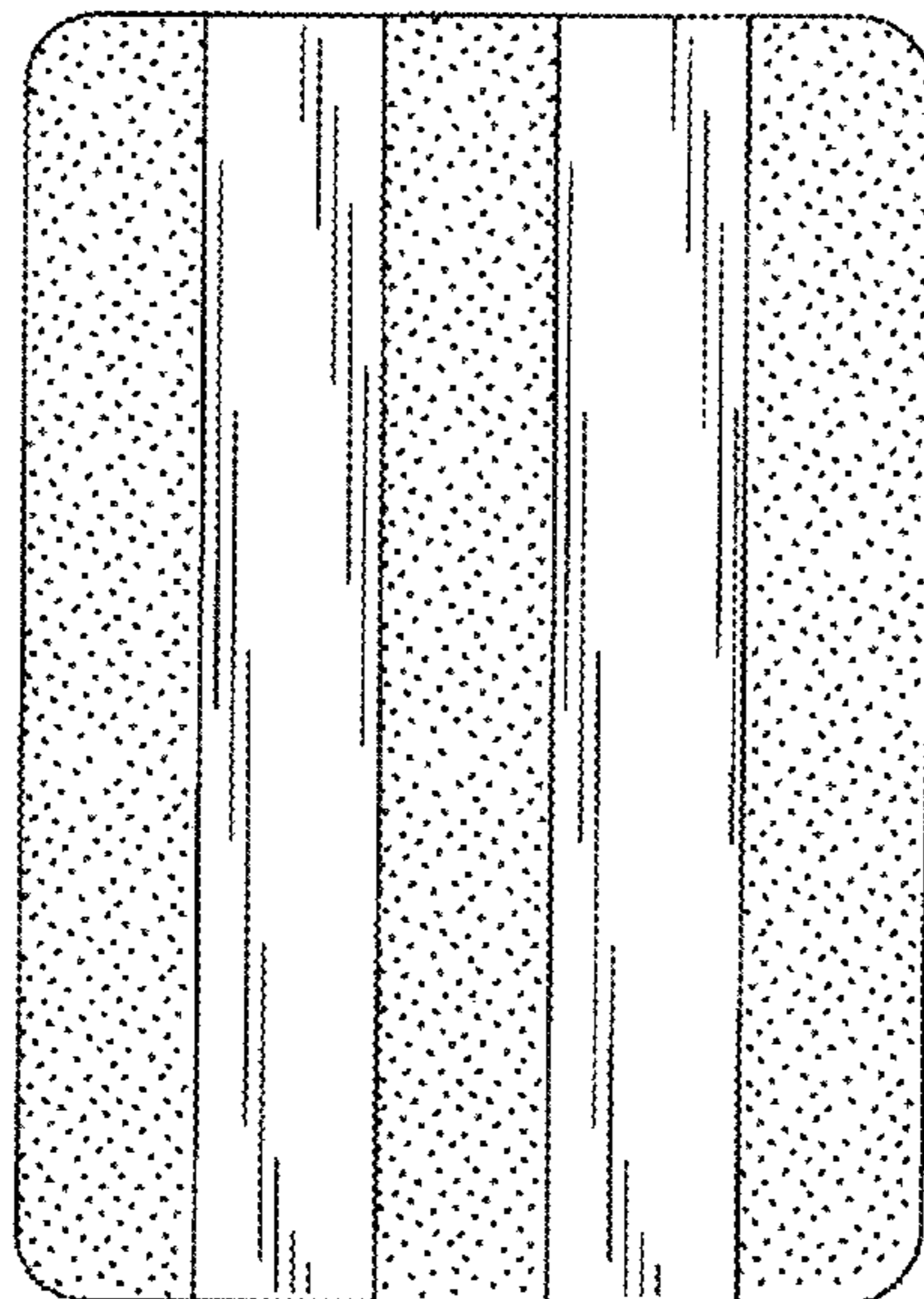
(57) **CLAIM**

The ornamental design for a device performance enhancer, as shown and described.

DESCRIPTION

FIG. 1 is a front elevational view of a first embodiment of the device performance enhancer of my design;
FIG. 2 is a rear elevational view of FIG. 1;
FIG. 3 is a right side elevational view of FIG. 1;
FIG. 4 is a left side elevational view of FIG. 1;
FIG. 5 is a sectional view taken along line 5-5 of FIG. 1;
FIG. 6 is a top plan view of FIG. 1;
FIG. 7 is a bottom plan view of FIG. 1;
FIG. 8 is a sectional view taken along line 8-8 of FIG. 1;
FIG. 9 is a front elevational view of a second embodiment of the device performance enhancer of my design;
FIG. 10 is a rear elevational view of FIG. 9;
FIG. 11 is a right side elevational view of FIG. 9;
FIG. 12 is a left side elevational view of FIG. 9;
FIG. 13 is a sectional view taken along line 13-13 of FIG. 9;
FIG. 14 is a top plan view of FIG. 9;
FIG. 15 is a bottom plan view of FIG. 9; and,
FIG. 16 is a sectional view taken along line 16-16 of FIG. 9.

1 Claim, 2 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

4,752,676 A * 6/1988 Leonard G07F 7/08
235/379

4,871,883 A 10/1989 Pleinfeld

4,978,812 A * 12/1990 Akeyoshi B32B 17/10036
174/389

5,335,366 A 8/1994 Daniels

5,367,309 A 11/1994 Tashjian

5,434,404 A * 7/1995 Liu G06K 7/084
235/384

5,480,685 A * 1/1996 Suzuki G06K 19/06187
427/548

6,001,282 A * 12/1999 Kanase H01Q 1/245
252/500

6,028,266 A * 2/2000 Birke H05K 9/0003
174/388

6,061,028 A 5/2000 Sakata

6,138,917 A * 10/2000 Chapin, Jr. G06K 19/06187
235/449

D456,814 S * 5/2002 Pentz D14/436

D457,690 S * 5/2002 Griffiths D29/100

D469,777 S * 2/2003 Burke D14/436

6,855,883 B1 * 2/2005 Matsui H05K 9/009
174/393

7,036,739 B1 * 5/2006 Mann G06K 19/06196
235/487

7,065,379 B1 * 6/2006 Kim H01Q 1/242
343/841

7,102,522 B2 9/2006 Kuhns

D533,220 S * 12/2006 Graves D19/9

7,176,387 B1 * 2/2007 Huang D02G 3/12
174/393

7,221,967 B2 5/2007 Buren et al.

D554,643 S * 11/2007 McCarty D14/436

7,365,700 B2 4/2008 Neergaard et al.

7,480,956 B2 * 1/2009 Policicchio A47L 13/16
134/6

7,500,603 B2 * 3/2009 McCaskey G06K 19/06187
235/380

7,626,362 B2 12/2009 Guang et al.

7,701,027 B1 * 4/2010 Pepper H01L 31/09
257/448

D632,686 S * 2/2011 Magness D14/250

7,898,220 B2 3/2011 Guang et al.

7,906,936 B2 3/2011 Azancot et al.

D636,020 S * 4/2011 Antonio D19/9

7,936,734 B2 5/2011 Toledano et al.

D647,097 S * 10/2011 Tung D14/480.1

D654,049 S * 2/2012 Chung D14/138 G

D659,324 S * 5/2012 Davis D32/43

D661,446 S * 6/2012 Davis D32/43

D665,851 S * 8/2012 Davis D20/40

D675,604 S * 2/2013 Limber D14/250

D679,685 S * 4/2013 Cox D14/250

D688,654 S * 8/2013 Stevinson D14/250

D688,655 S * 8/2013 Rey-Hipolito D14/250

D691,123 S * 10/2013 Lay D14/250

D696,344 S * 12/2013 Ehrlich D19/10

D697,551 S * 1/2014 Colbert D19/26

D708,804 S * 7/2014 Piro D32/40

8,768,830 B1 * 7/2014 Jorgensen G06Q 20/3572
705/39

D710,440 S * 8/2014 Reed D19/10

D713,832 S * 9/2014 Fathollahi D14/250

8,843,062 B2 9/2014 Narendra et al.

D716,512 S * 10/2014 Layevsky D32/40

8,919,549 B1 12/2014 Tashjian

8,970,182 B2 3/2015 Paryani et al.

D745,503 S * 12/2015 Schmidt D14/250

9,293,622 B2 3/2016 Smith et al.

9,317,066 B2 * 4/2016 Mochizuki G06F 1/1626

D762,204 S * 7/2016 Armstrong D14/250

9,509,153 B2 11/2016 Clark

D774,134 S * 12/2016 Hirschorn D19/9

9,515,378 B2 12/2016 Prasao

9,730,002 B2 * 8/2017 van der Lee H04B 5/0037

9,761,930 B2 * 9/2017 Finegold H01Q 7/00

D813,812 S * 3/2018 Lin D13/118

D840,988 S * 2/2019 Kim D14/250

D854,021 S * 7/2019 Alves D14/439

D862,080 S * 10/2019 DeChant D3/247

D867,704 S * 11/2019 Hagee D32/40

D870,735 S * 12/2019 Serov D14/439

D874,790 S * 2/2020 Hanna D2/829

D882,424 S * 4/2020 Simpson D10/47

10,630,331 B2 * 4/2020 Tanenbaum H04B 1/3838

D893,467 S * 8/2020 Kim D14/250

D894,908 S * 9/2020 Serov D14/439

11,138,943 B2 * 10/2021 Lee G06F 1/3287

2002/0065012 A1 * 5/2002 Takabayashi A47L 13/16
442/381

2003/0011530 A1 * 1/2003 Lin H01Q 1/36
343/895

2004/0010462 A1 * 1/2004 Moon G06Q 20/341
705/39

2004/0011877 A1 * 1/2004 Reppermund G06K 7/084
235/493

2005/0088345 A1 * 4/2005 De La Torre Barreiro
H01Q 1/245
343/702

2007/0078421 A1 * 4/2007 Glaug D04H 1/407
604/367

2010/0234081 A1 * 9/2010 Wong H01Q 19/28
455/575.5

2011/0316750 A1 * 12/2011 Yen H01Q 19/28
343/702

2012/0280889 A1 * 11/2012 Tucek H01Q 1/243
343/904

2013/0106661 A1 * 5/2013 Xiang H01Q 1/40
343/702

2014/0009004 A1 * 1/2014 Schroeder H05K 9/0043
307/326

2014/0045561 A1 * 2/2014 Liu H04M 1/0202
455/575.8

2016/0006473 A1 * 1/2016 Leibovich H01Q 1/245
455/575.5

2016/0020637 A1 1/2016 Khlut

2017/0047646 A1 * 2/2017 Hane H01Q 1/243

2017/0047652 A1 * 2/2017 Finkel H01Q 15/14

2021/0274637 A1 * 9/2021 Kim H05K 1/0219

OTHER PUBLICATIONS

Tamiia EMF Radiation Shield . . . , first avail Apr. 27, 2020, [online], [site visited Mar. 3, 2021]. Available from Internet, URL: https://www.amazon.com/Protection-Radiation-Radiation-Blocker-Remove-Technologies-Radiation-20/dp/B087PWX396/ref=sr_1_57?dchild=1&keywords=radiation+shield+for+phone&qid=1614790231&sr=8-57.*

2 Pack—Anti EMF Radiation . . . , first avail Aug. 24, 2018, [online], [site visited Mar. 3, 2021]. Available from Internet, URL: https://www.amazon.com/Pack-Radiation-Protection-Eliminates-Radiative/dp/B07GSV6QH8/ref=sr_1_261?dchild=1&keywords=radiation+shield+for+phone&qid=1614791334&sr=8-261 (Year: 2018).*

Mobiles, the iPhone, Radiation and You, interior of Pong Case, spotcoolstuff.com, last comment Mar. 22, 2012, [online], [site visited Mar. 3, 2021]. Available from Internet, URL: <http://tech.spotcoolstuff.com/iphone-cell/pong-radiation-case> (Year: 2012).*

EMF Shield for Cell Phone Case—Orgonite . . . , first avail Jun. 294, 2017, [online], [site visited Mar. 8, 2021]. Available from Internet, URL: https://www.amazon.com/EMF-Shield-Cell-Phone-Case/dp/B073HZ4HQL/ref=sr_1_250?dchild=1&keywords=radiation+shield+for+phone&qid=1614791216&sr=8-250 (Year: 2017).*

Saidman, Perry J. and Hintz, John M. (1989) “The Doctrine of Functionality in Design Patent Cases,” University of Baltimore Law Review: vol. 19: Iss 1, Article 17.

* cited by examiner

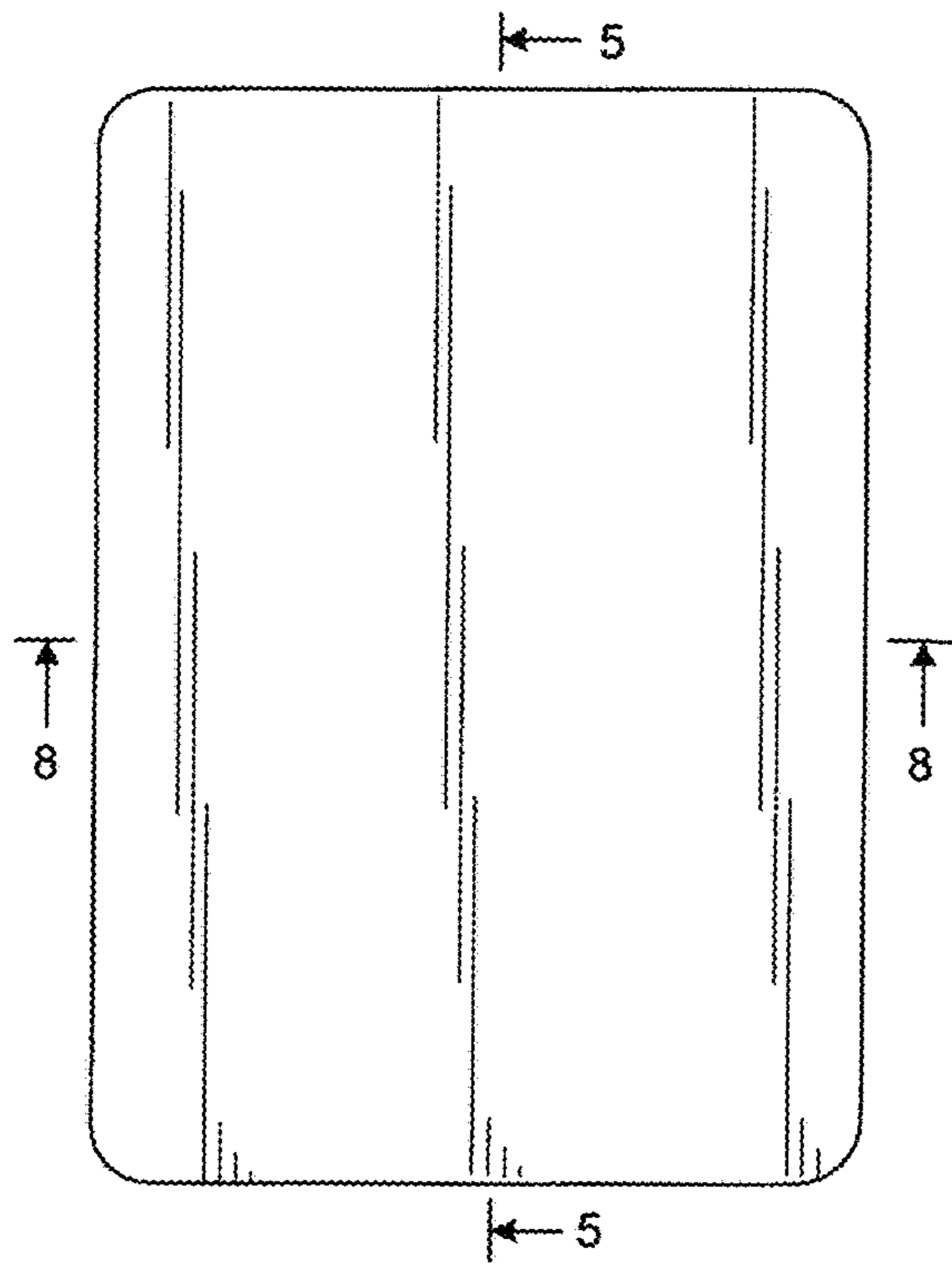


FIG.1

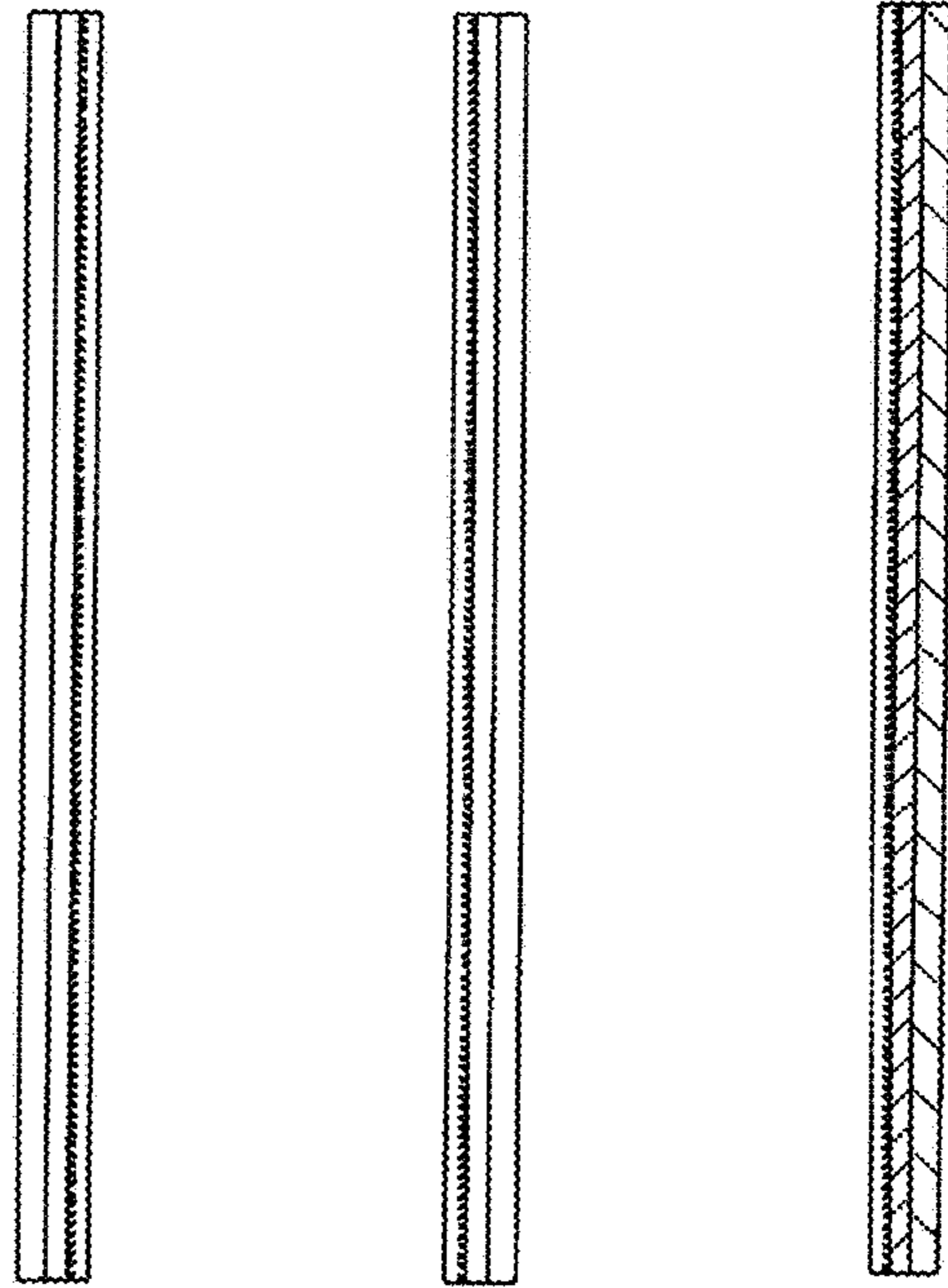


FIG.3

FIG.4

FIG.5

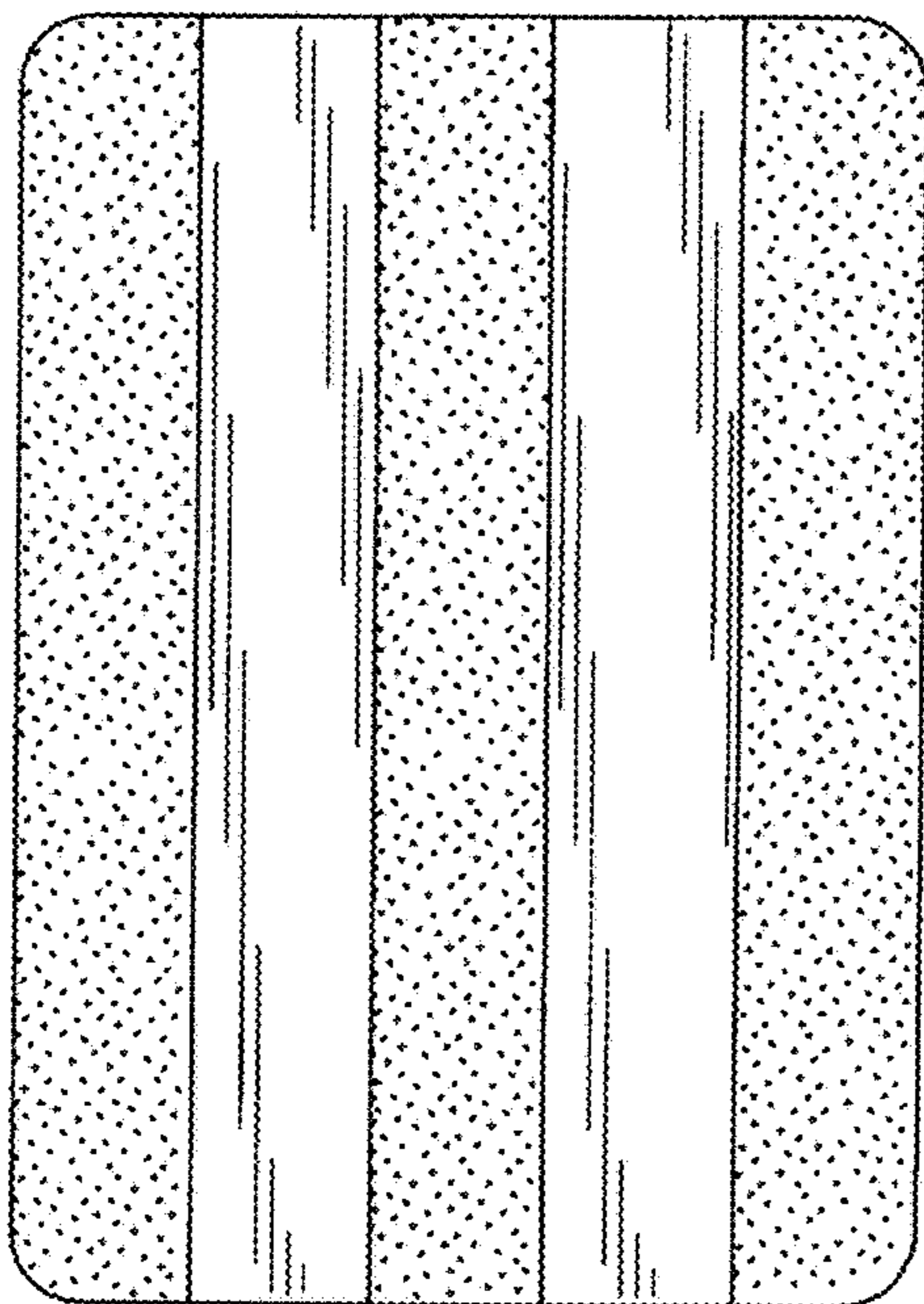


FIG.2

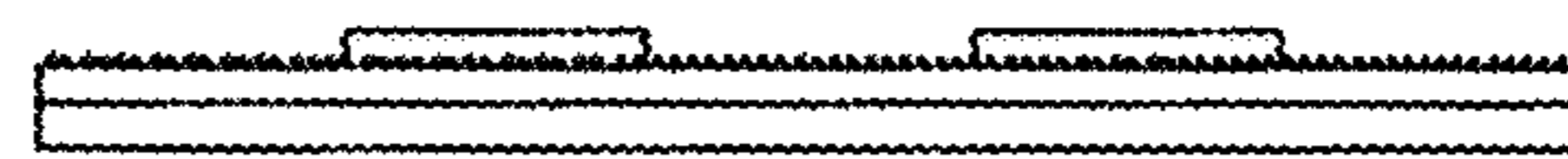


FIG.6

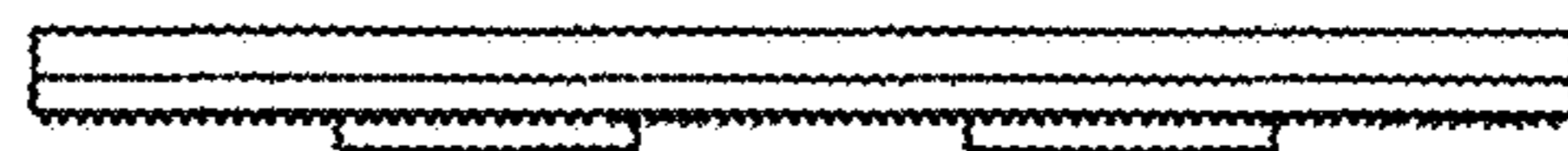


FIG.7

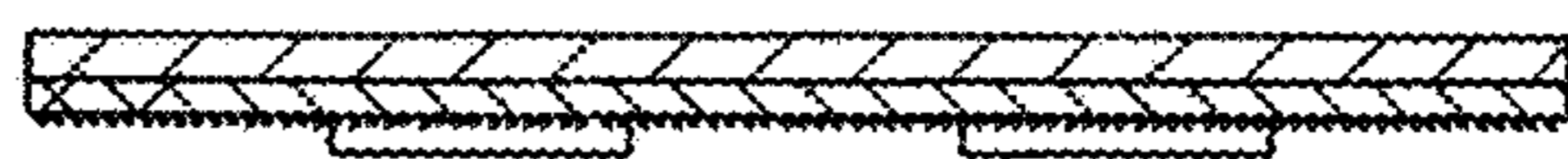


FIG.8

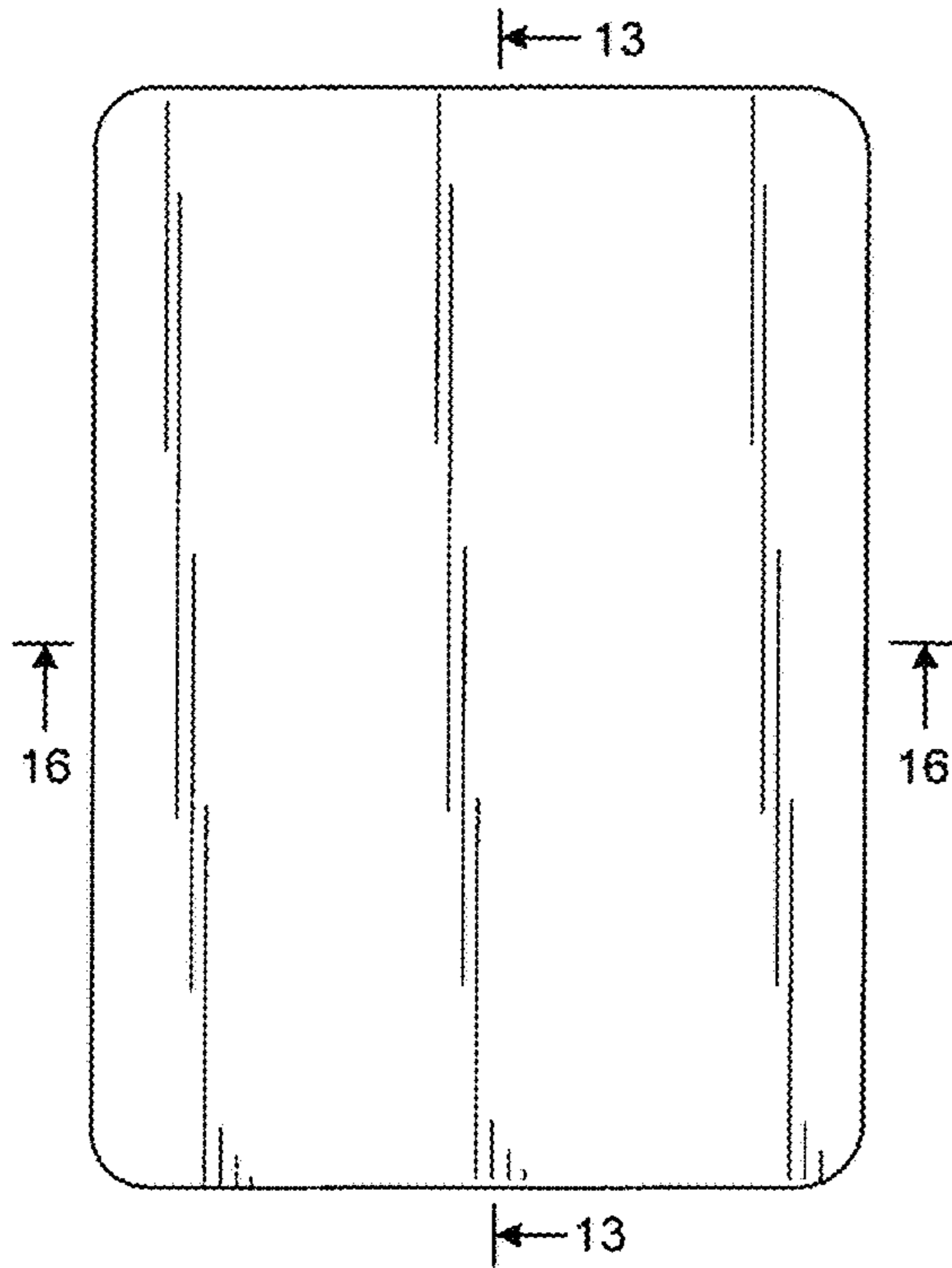


FIG. 9

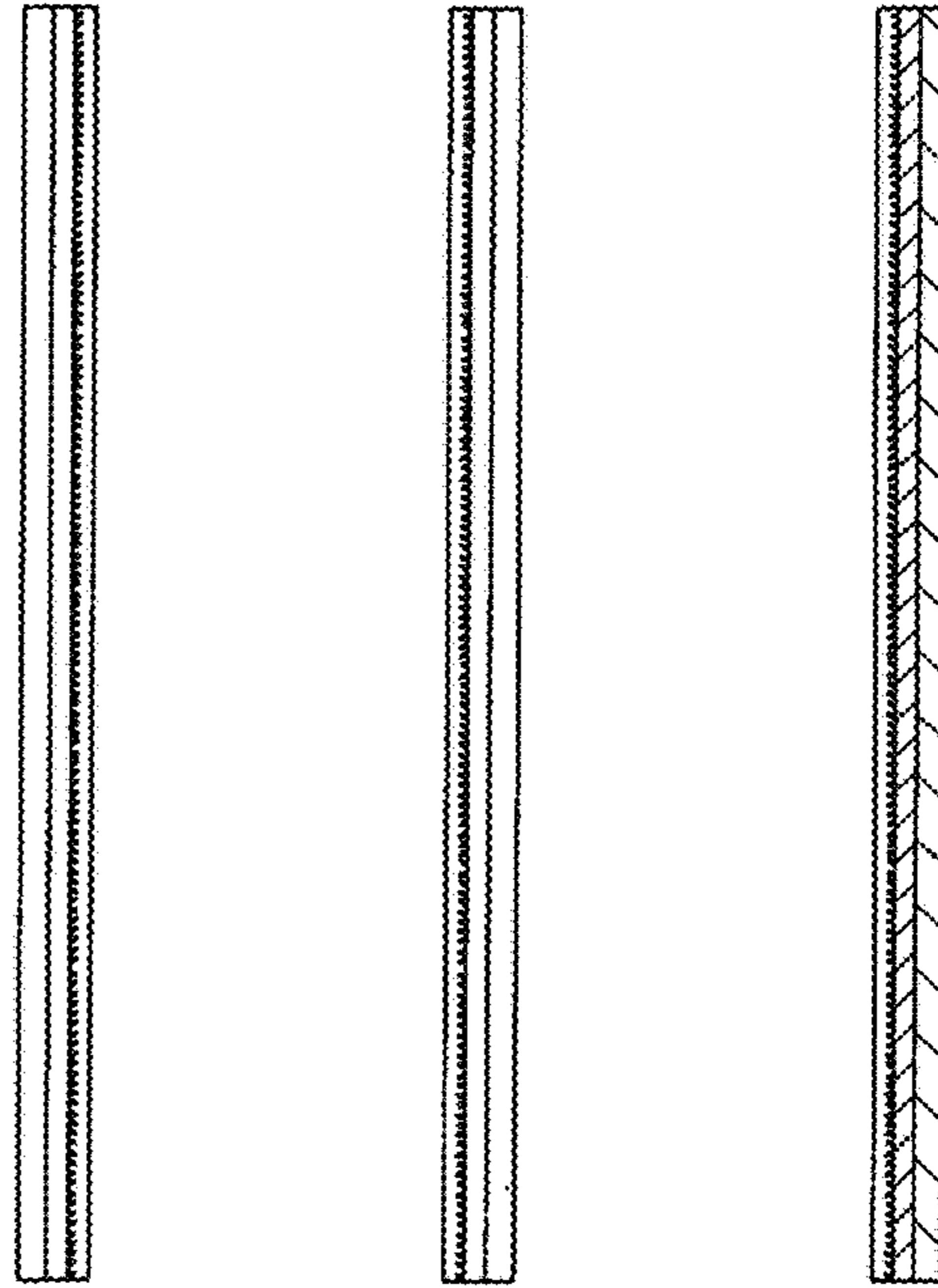


FIG. 11 FIG. 12 FIG. 13

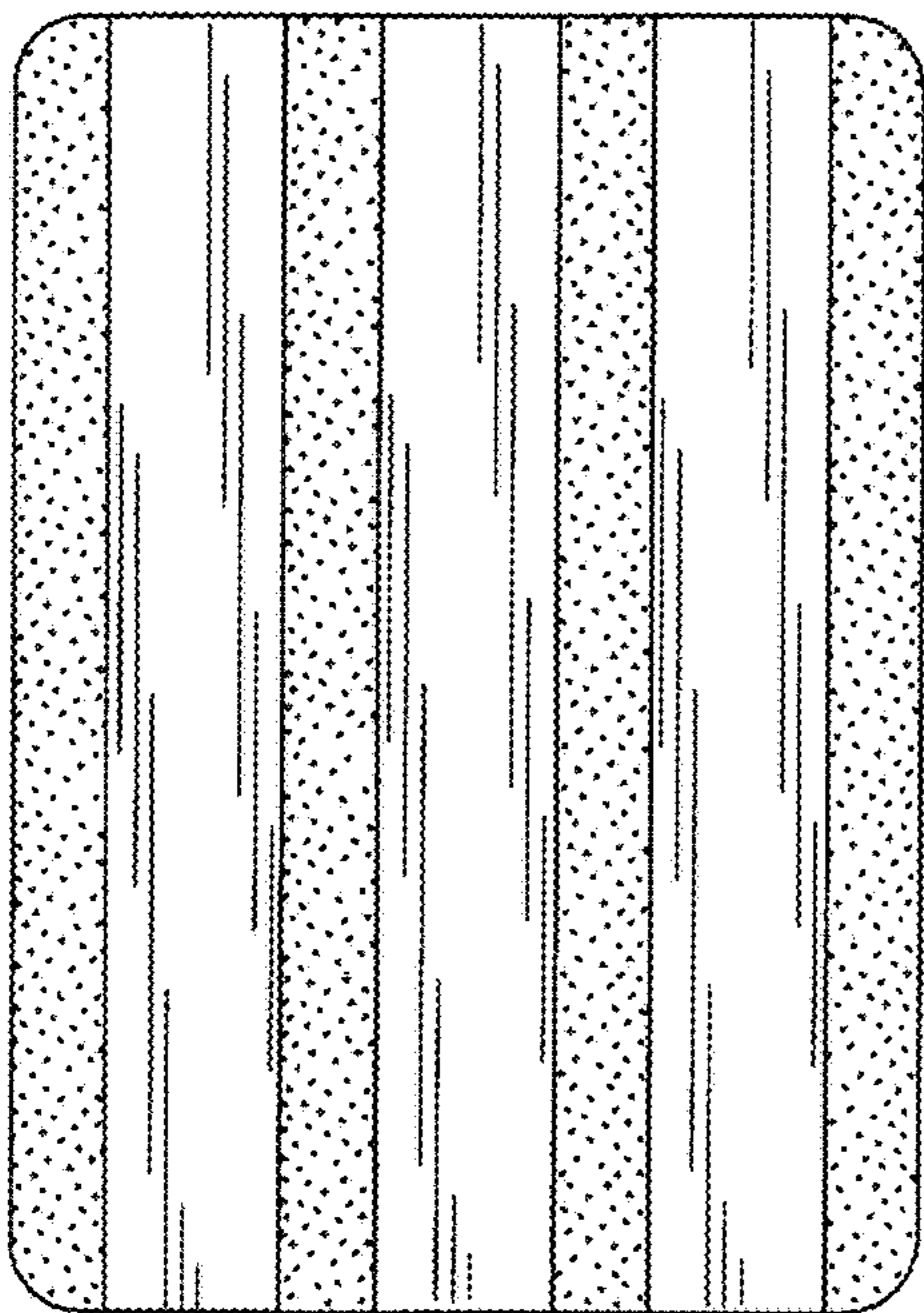


FIG. 10

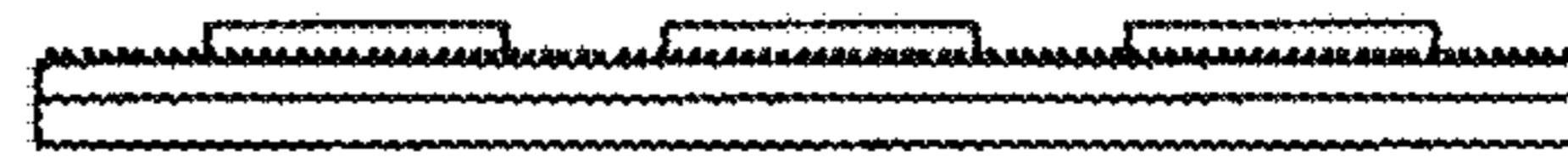


FIG. 14

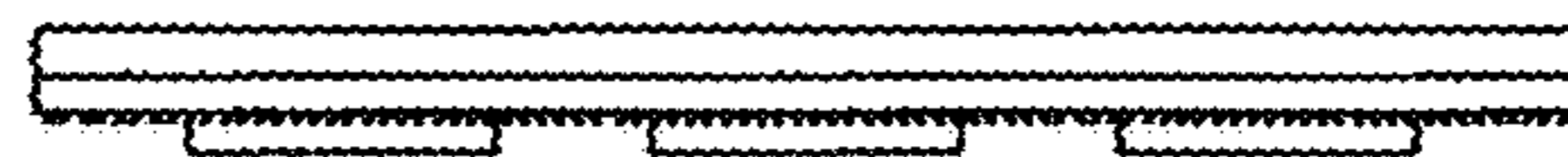


FIG. 15

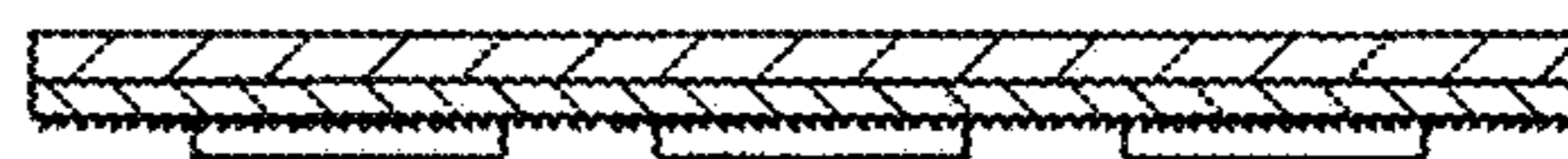


FIG. 16