



US00D858802S

(12) **United States Design Patent**  
**Raab**

(10) **Patent No.:** **US D858,802 S**  
(45) **Date of Patent:** **\*\* Sep. 3, 2019**

(54) **STRUCTURAL PANEL CORE**

(71) Applicant: **The Pro Design Group, Inc.**, Gardena, CA (US)

(72) Inventor: **Christopher A. Raab**, Sunset Beach, CA (US)

(73) Assignee: **The Pro Design Group, Inc.**, Gardena, CA (US)

(\*\*) Term: **15 Years**

(21) Appl. No.: **29/610,614**

(22) Filed: **Jul. 13, 2017**

(51) **LOC (12) Cl.** ..... **25-01**

(52) **U.S. Cl.**

USPC ..... **D25/138**

(58) **Field of Classification Search**

USPC ..... D25/138, 139, 140, 141, 142, 143, 144, D25/157, 158, 159, 160, 161, 162, 163; 428/119, 120, 147, 158, 159, 163, 166, 428/167, 174, 178, 179, 183, 118, 180, 428/181, 182, 184, 185; D7/587;

(Continued)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

847,854 A \* 3/1907 Voorhorst ..... B65D 85/322  
217/26.5

D103,097 S \* 2/1937 George ..... 52/630  
(Continued)

*Primary Examiner* — Kevin K Rudzinski

*Assistant Examiner* — Kimberly Barnes

(74) *Attorney, Agent, or Firm* — Matthew J. Spark; Stefan J. Kirchanski; Zuber Lawler & Del Duca LLP

(57) **CLAIM**

The ornamental design for a structural panel core, as shown and described.

**DESCRIPTION**

FIG. 1 is a top, front, right perspective view of a structural panel core showing my new design according to a first embodiment;

FIG. 2 is a top plan view of the structural panel core of FIG. 1;

FIG. 3 is a bottom plan view of the structural panel core of FIG. 1;

FIG. 4 is a front elevation view of the structural panel core of FIG. 1, with a rear elevation view being a mirror image;

FIG. 5 is a right side view of the structural panel core of FIG. 1, with a left side view being a mirror image;

FIG. 6 is a cross-sectional side view of the structural panel core taken along line 6-6 of FIG. 2;

FIG. 7 is another cross-sectional side view of the structural panel core taken along line 7-7 of FIG. 2;

FIG. 8 is a top, front, right perspective view of structural panel core showing my new design according to a second embodiment;

FIG. 9 is a top plan view of the structural panel core of FIG. 8;

FIG. 10 is a bottom plan view of the structural panel core of FIG. 8;

FIG. 11 is a front elevation view of the structural panel core of FIG. 8, with a rear elevation view being a mirror image;

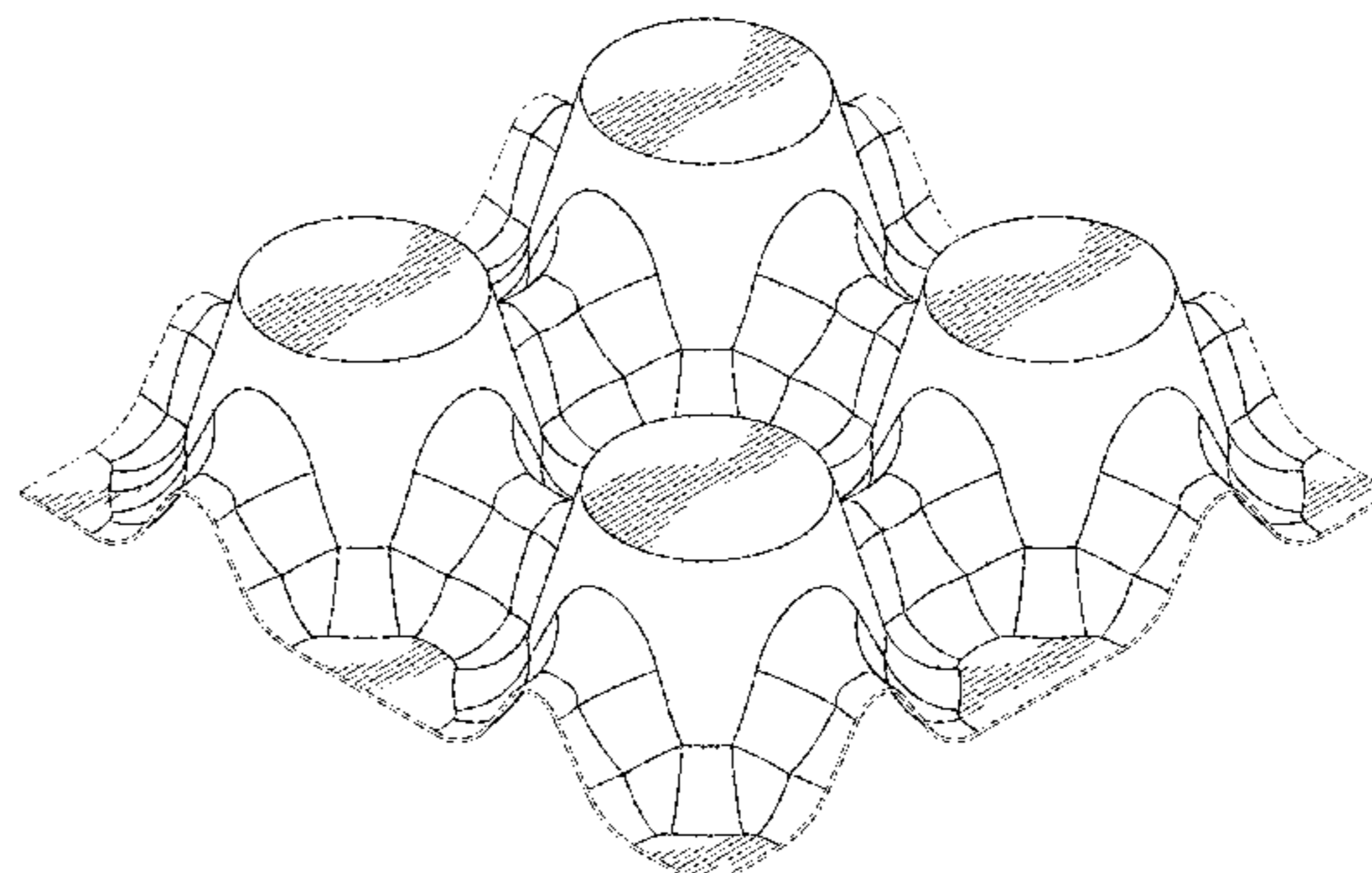
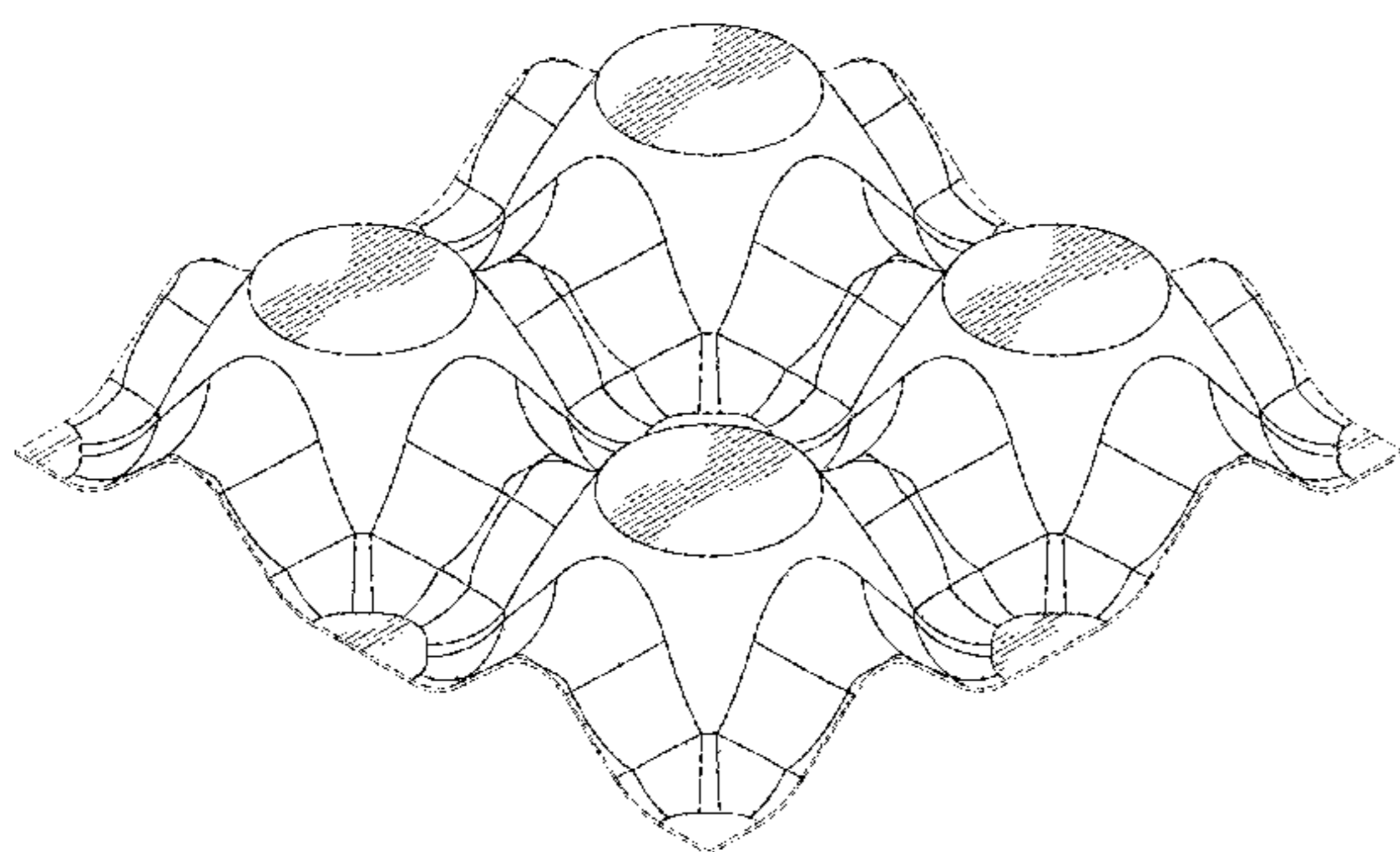
FIG. 12 is a right side view of the structural panel core of FIG. 8, with a left side view being a mirror image;

FIG. 13 is a cross-sectional side view of the structural panel core taken along line 13-13 of FIG. 9; and,

FIG. 14 is another cross-sectional side view of the structural panel core taken along line 14-14 of FIG. 9.

The broken lines around the perimeters of the drawings depict portions of the structural panel core that form no part of the claimed design.

**1 Claim, 8 Drawing Sheets**



# US D858,802 S

Page 2

(58) **Field of Classification Search**

USPC ..... D9/424, 430, 456, 502, 750, 751, 757,  
D9/758

CPC ... E04C 2/20; E04C 2/205; E04C 2/30; E04C  
2002/3411-3466; Y10T 428/24174; Y10T  
428/24165; Y10T 428/24264; Y10T  
428/24702; Y10T 428/24711; B32B 3/28;  
B32B 29/08; B65D 65/403

See application file for complete search history.

(56)

**References Cited**

U.S. PATENT DOCUMENTS

3,151,712 A \* 10/1964 Robert ..... B62D 33/048  
219/78.11  
3,498,372 A \* 3/1970 Collins ..... F28D 9/0037  
165/166  
4,025,996 A \* 5/1977 Saveker ..... B21D 47/00  
244/123.1  
4,044,186 A \* 8/1977 Stangeland ..... F02K 9/605  
428/167  
4,077,247 A \* 3/1978 Stewart ..... B21D 13/10  
29/896.6  
4,078,548 A \* 3/1978 Kapany ..... F24S 70/25  
126/648

4,397,902 A \* 8/1983 Resch ..... B65D 85/32  
428/119  
5,028,474 A \* 7/1991 Czaplicki ..... B31D 3/005  
428/178  
5,292,027 A \* 3/1994 Lueke ..... B65D 90/06  
220/495.06  
5,340,638 A \* 8/1994 Sperner ..... B65D 81/03  
206/814  
6,221,463 B1 \* 4/2001 White ..... B01D 53/885  
428/174  
D464,737 S \* 10/2002 Gulbrandsen ..... D25/58  
6,834,467 B2 \* 12/2004 Gulbrandsen ..... E04B 9/00  
52/506.06  
D667,696 S \* 9/2012 Shimizu ..... D14/441  
D668,117 S \* 10/2012 Shimizu ..... D14/441  
8,434,472 B2 \* 5/2013 Hanson ..... B21D 47/00  
126/601  
8,835,016 B2 \* 9/2014 Ebnoether ..... B32B 15/01  
428/593  
D717,475 S \* 11/2014 Cufer ..... D25/155  
9,108,239 B2 \* 8/2015 Takahashi ..... B21D 13/10  
9,149,851 B2 \* 10/2015 Hiraoka ..... B21D 13/04  
9,403,338 B2 \* 8/2016 Tuzcek ..... B31D 3/005  
2005/0255297 A1 \* 11/2005 Otsuka ..... D04H 1/498  
428/174  
2013/0244006 A1 \* 9/2013 Ebnoether ..... B32B 3/28  
428/166

\* cited by examiner

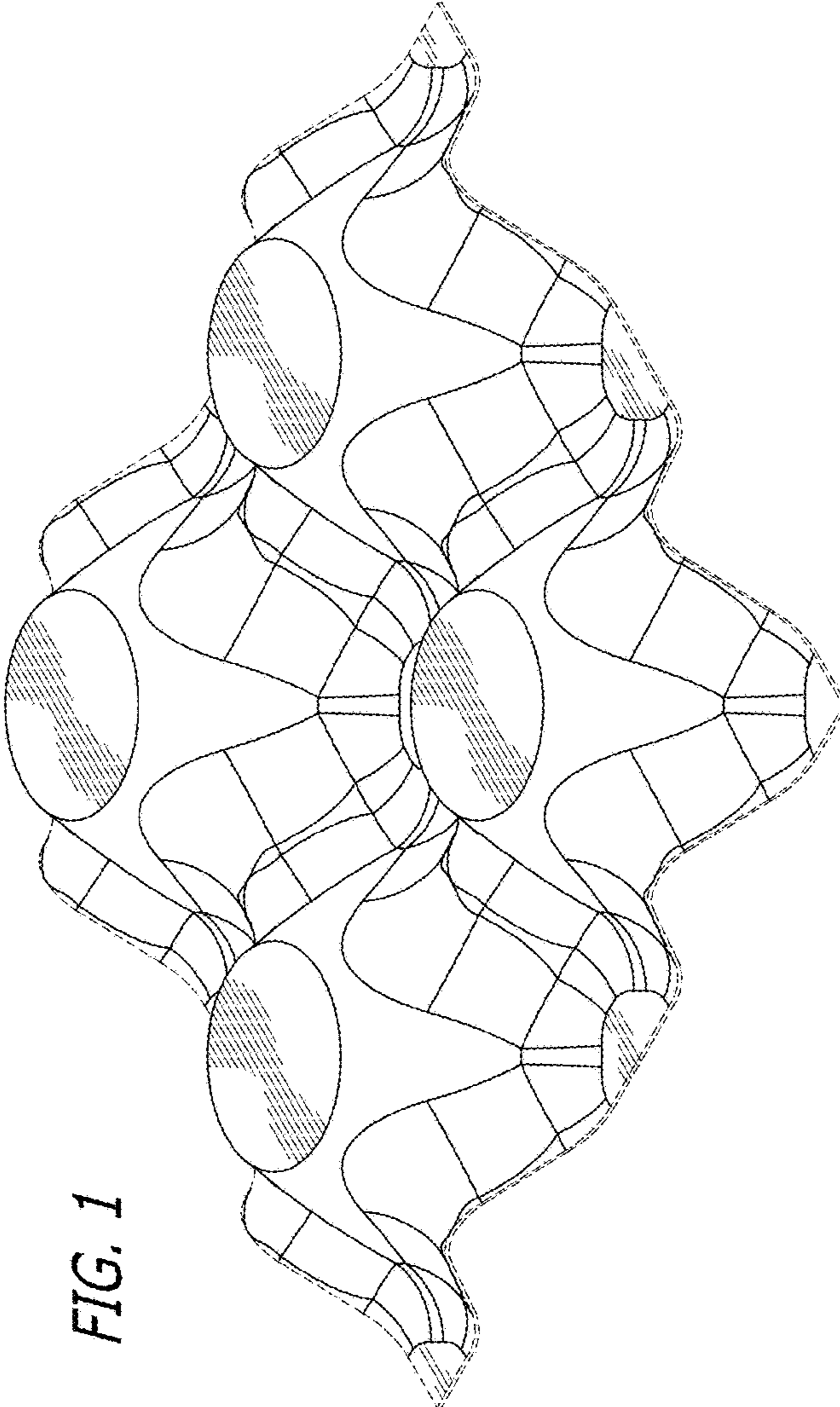


FIG. 1

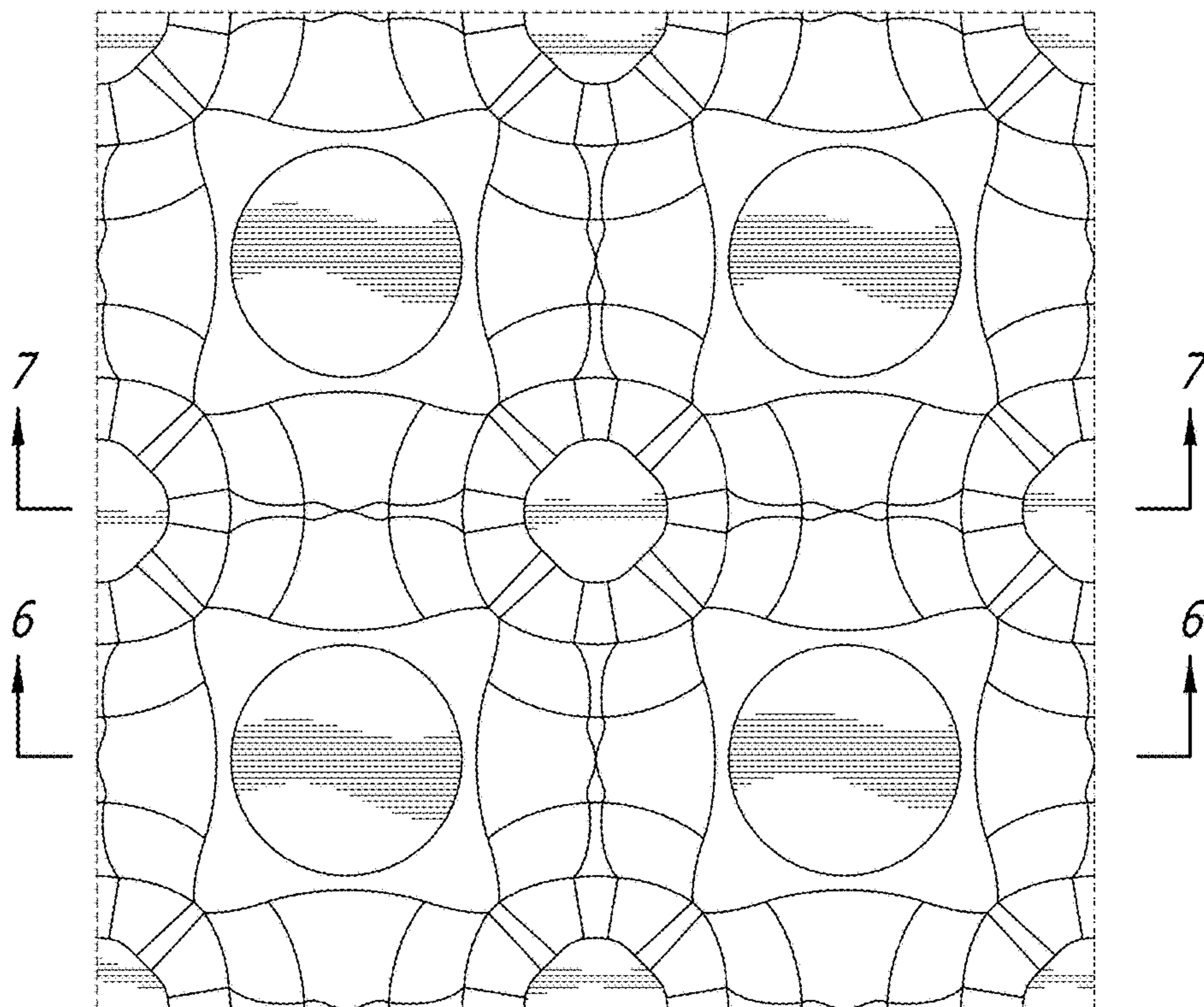


FIG. 2

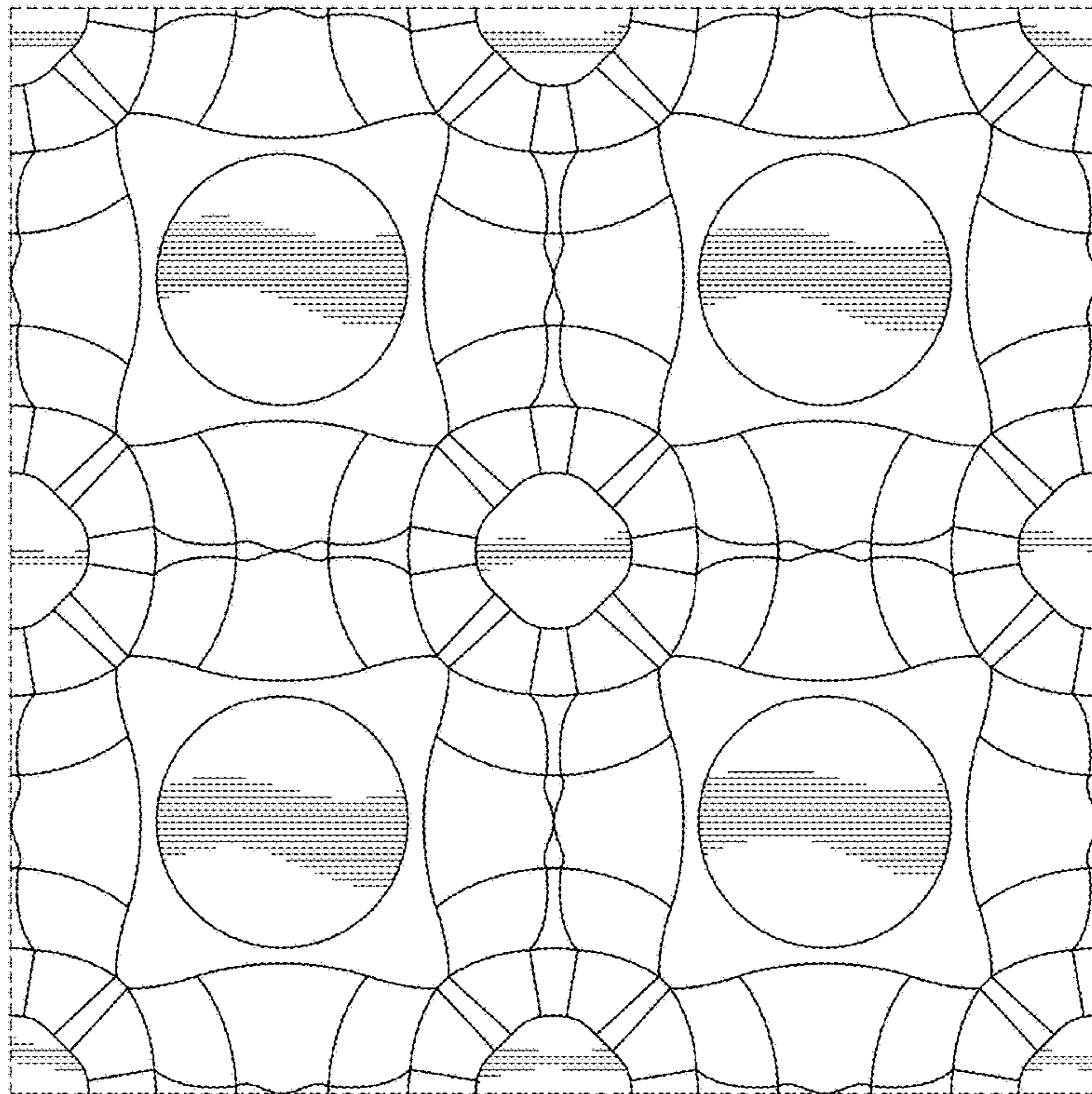
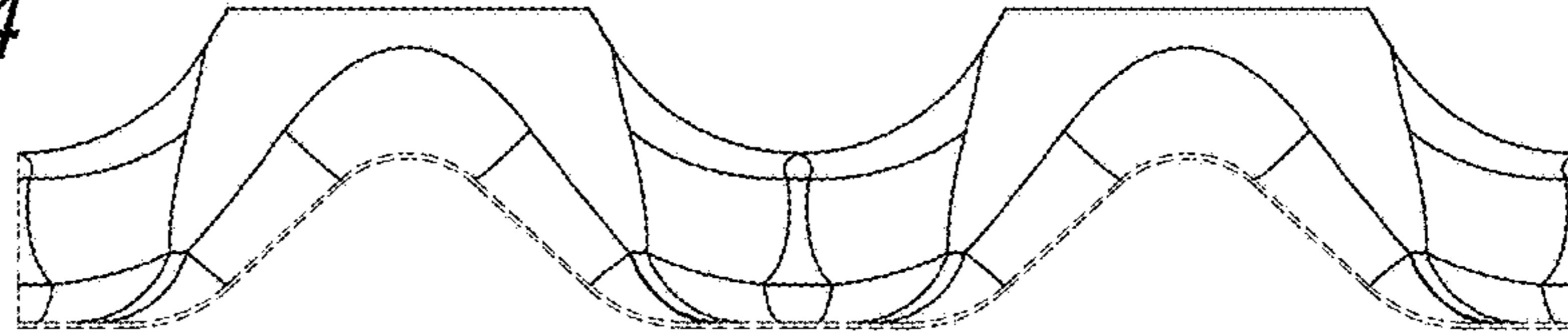
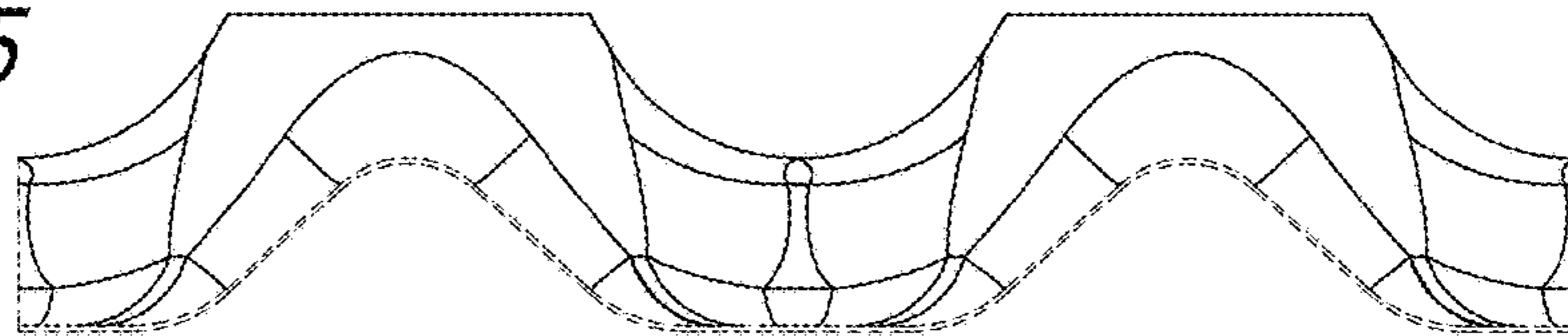


FIG. 3

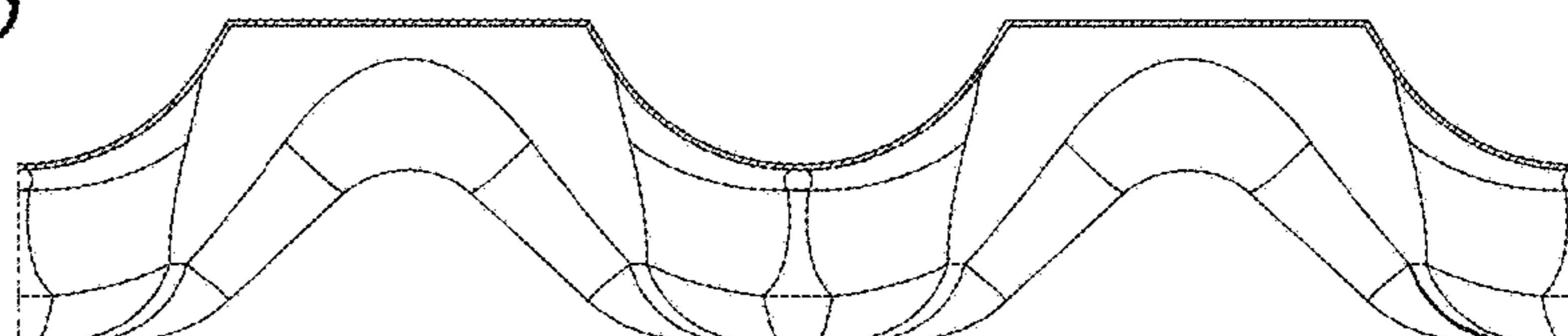
*FIG. 4*



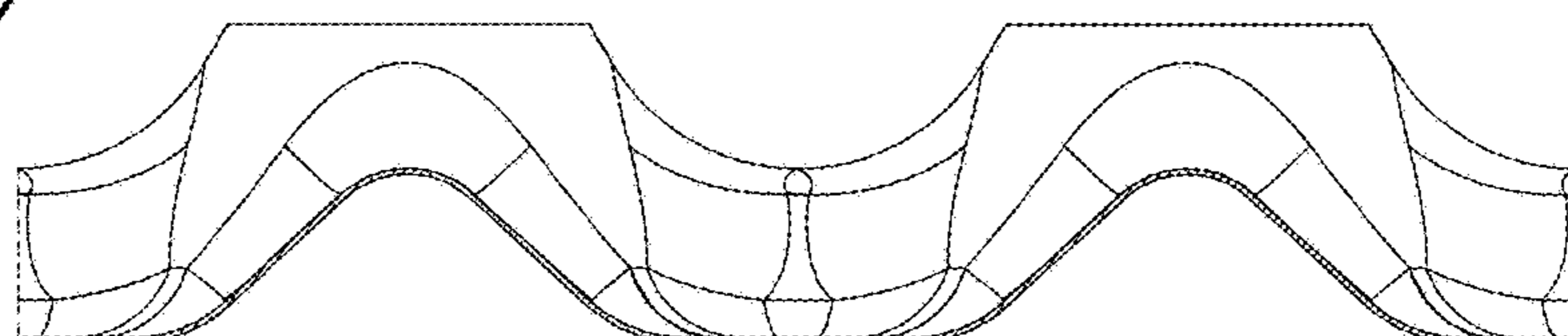
*FIG. 5*



*FIG. 6*



*FIG. 7*



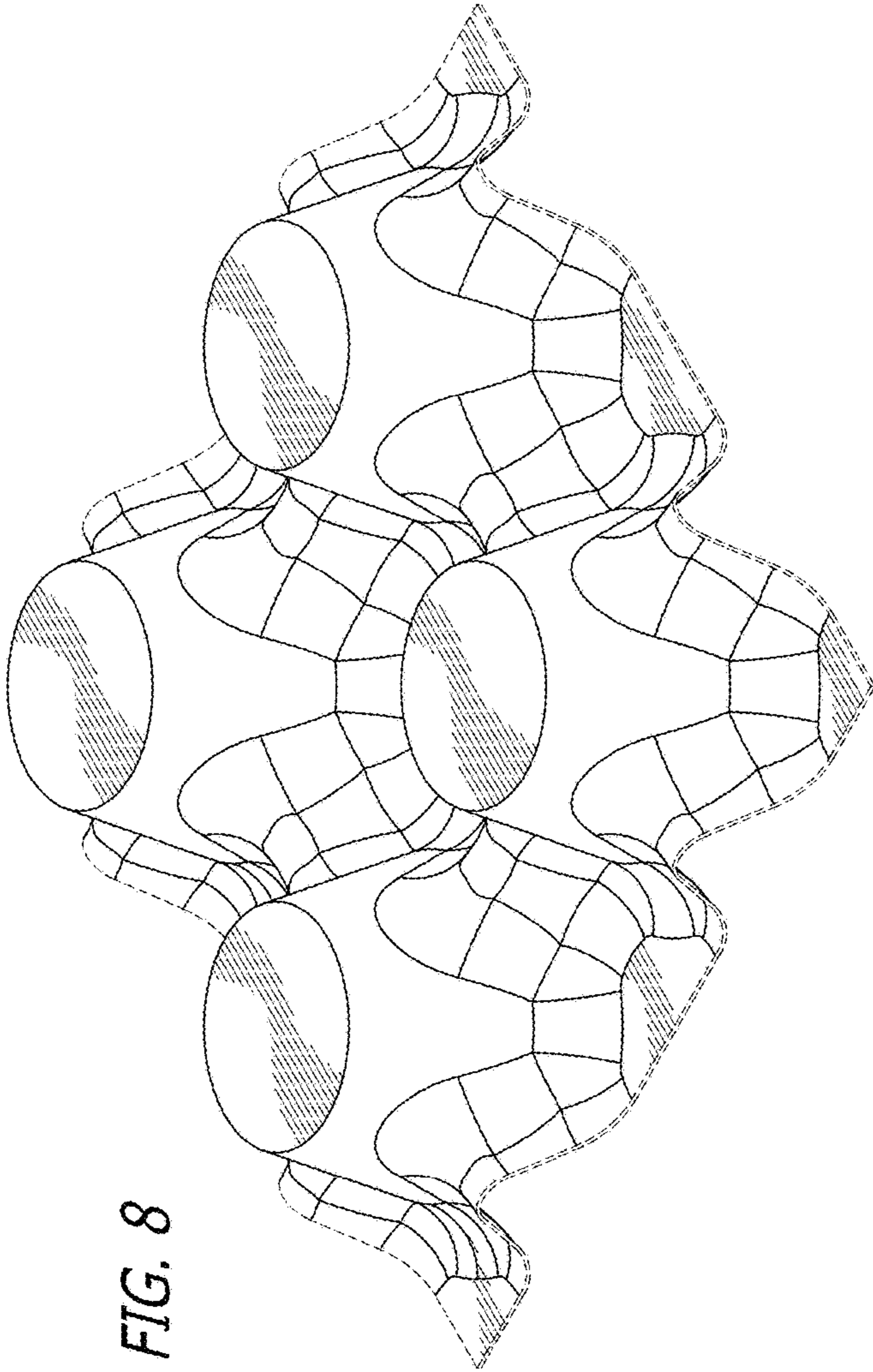


FIG. 8

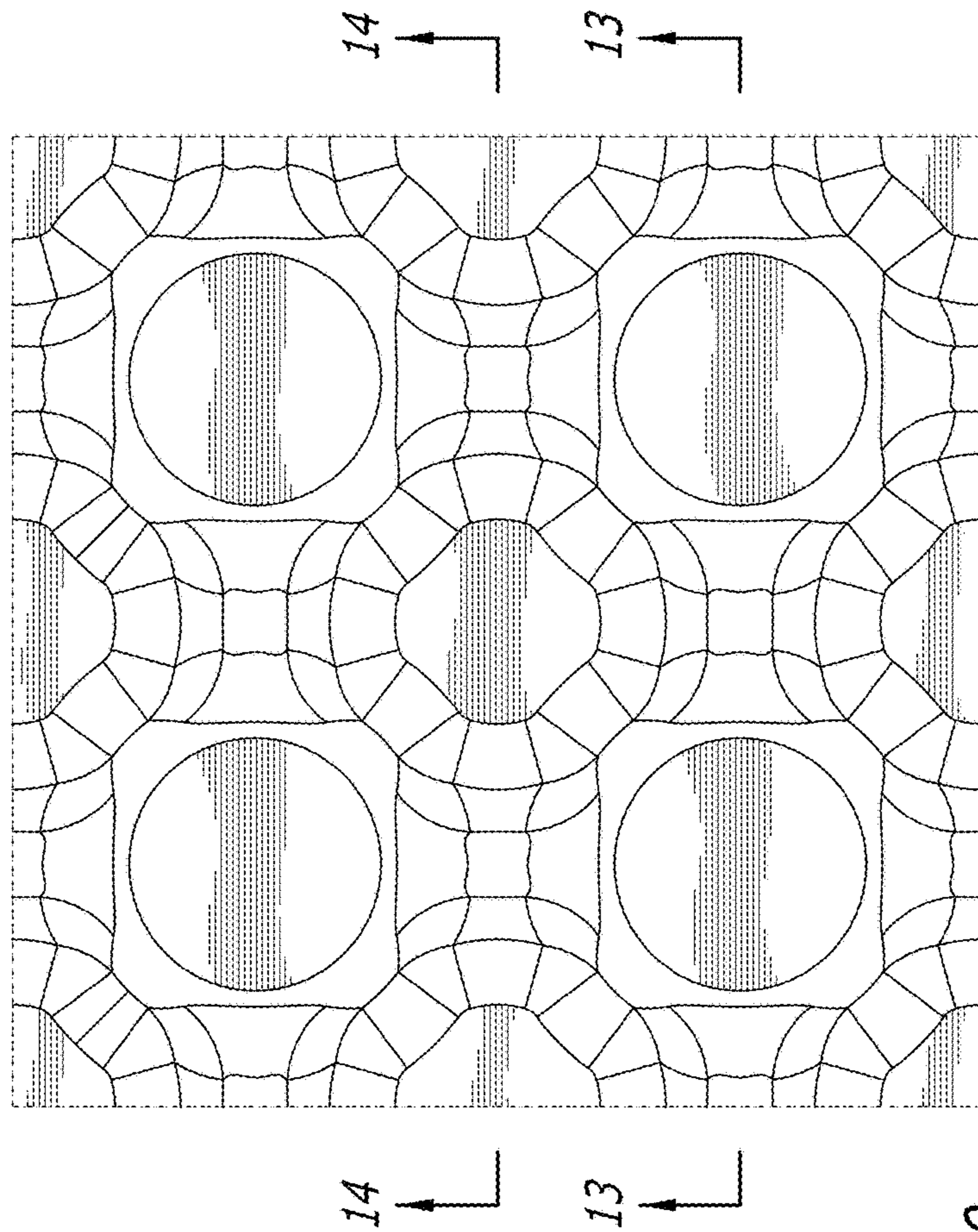


FIG. 9



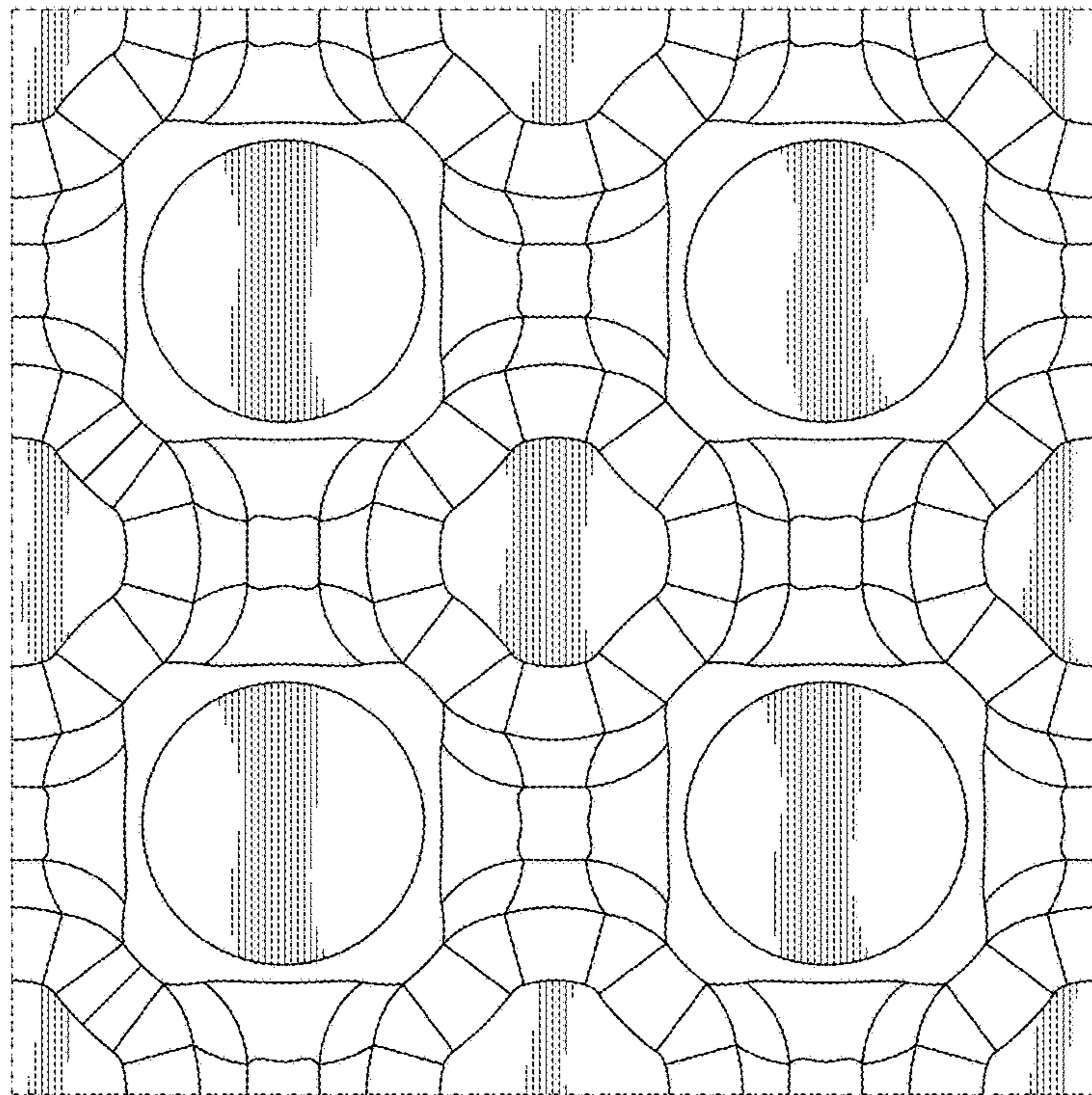
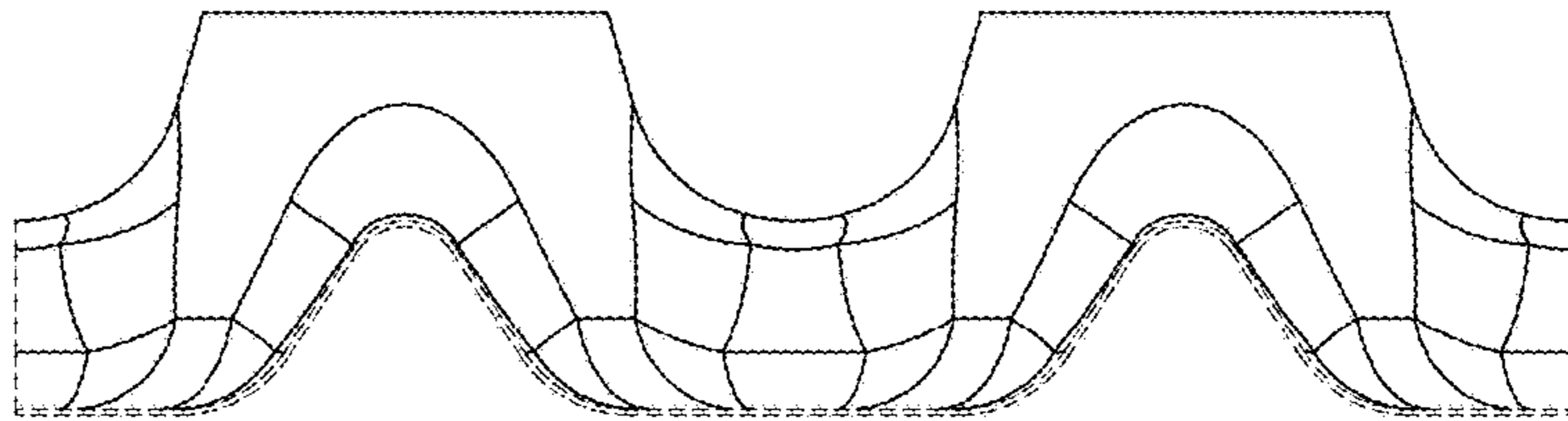
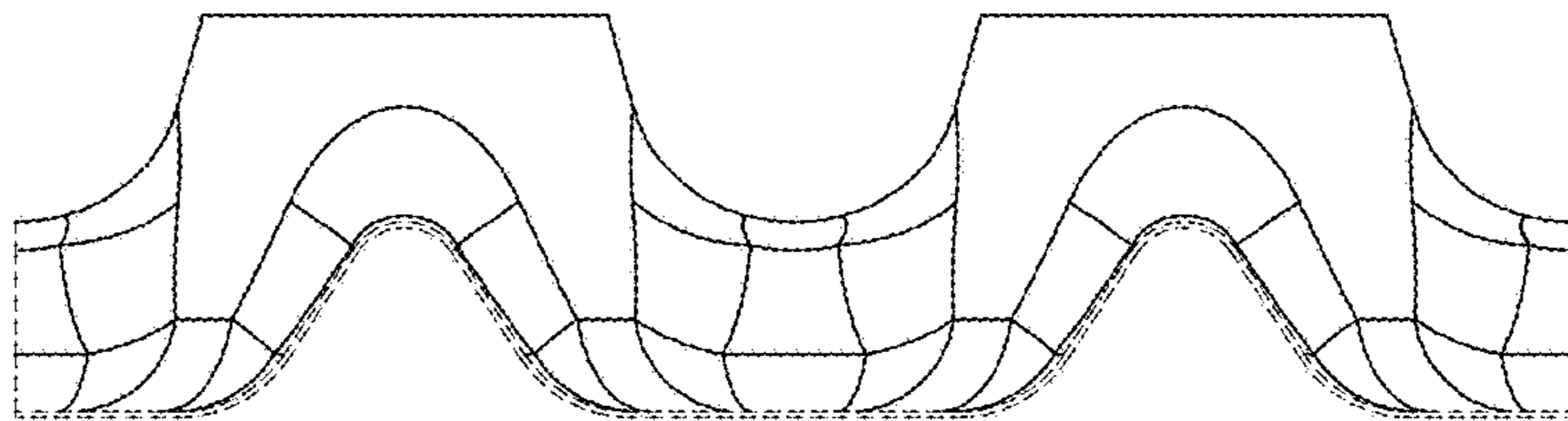


FIG. 10

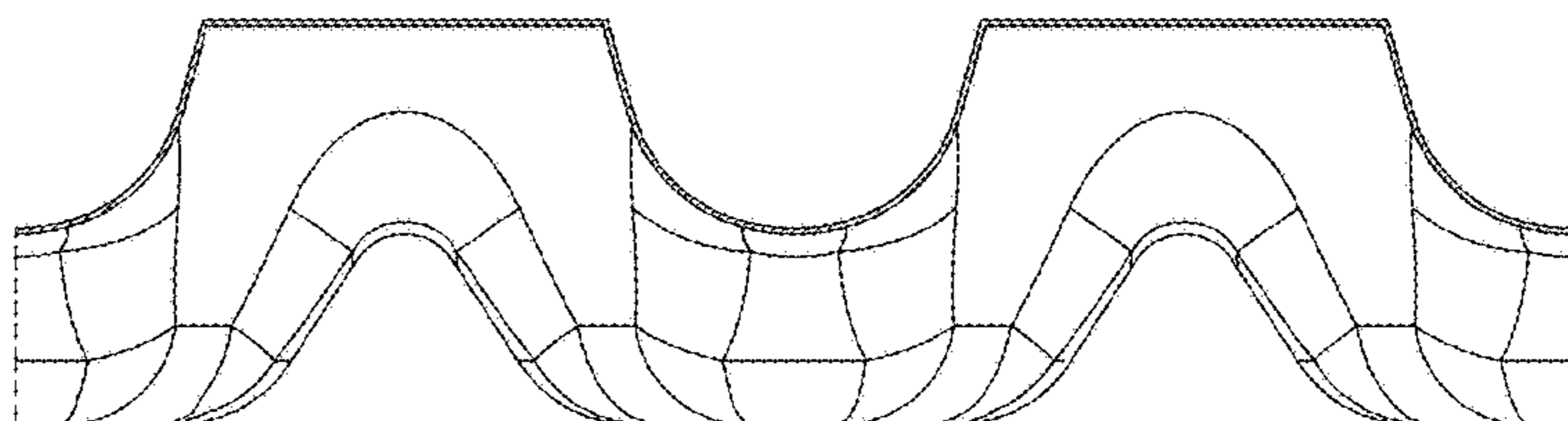
*FIG. 11*



*FIG. 12*



*FIG. 13*



*FIG. 14*

