

(12)

United States Design Patent

Tang et al.

(10)

Patent No.:

US D1,018,968 S

(45)

Date of Patent:

** Mar. 19, 2024

(54) SINGLE-DOSE DETERGENT UNIT

(71) Applicant: The Procter & Gamble Company,
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(72) Inventors: Li Tang, Beijing (CN); Yun Qin Lee,
Singapore (SG)

(73) Assignee: The Procter & Gamble Company,
Cincinnati, OH (US)

(**) Term: 15 Years

(21) Appl. No.: 29/774,342

(22) Filed: Mar. 16, 2021

(30) Foreign Application Priority Data

Sep. 18, 2020 (CN) 202030570962.7

(51) LOC (14) Cl. 28-02

(52) U.S. Cl.
USPC D28/8.2; D28/8.1

(58) Field of Classification Search
USPC D28/4, 8.1, 8.2, 99; D1/100, 106,
D1/120–122, 126–128, 130, 199;
D24/101–104
CPC C11D 17/00; C11D 17/04; C11D 17/08;
C11D 17/041–047; C11D 17/0047; C11D
17/0073; C11D 17/0086; C11D 17/0091;
C11D 17/0095; C11D 13/00; C11D
13/14; C11D 9/00; B65D 65/00; B65D
65/46

See application file for complete search history.

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D980,518	S	*	3/2023	Tan	D28/8.1

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All Office Actions; U.S. Appl. No. 29/774,345, filed Mar. 16, 2021.

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Primary Examiner — Alison M Ofstun

(57) CLAIM

The ornamental design for a single-dose detergent unit, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a first embodiment of a single-dose detergent unit, showing our new design;
FIG. 2 is a front view thereof;
FIG. 3 is a back view thereof;
FIG. 4 is a left view thereof;
FIG. 5 is a right view thereof;
FIG. 6 is a top view thereof;
FIG. 7 is a bottom view thereof;
FIG. 8 is a perspective view of a second embodiment of a single-dose detergent unit, showing our new design;
FIG. 9 is a front view thereof;
FIG. 10 is a back view thereof;
FIG. 11 is a left view thereof;
FIG. 12 is a right view thereof;
FIG. 13 is a top view thereof;
FIG. 14 is a bottom view thereof;
FIG. 15 is a perspective view of a third embodiment of a single-dose detergent unit, showing our new design;
FIG. 16 is a front view thereof;

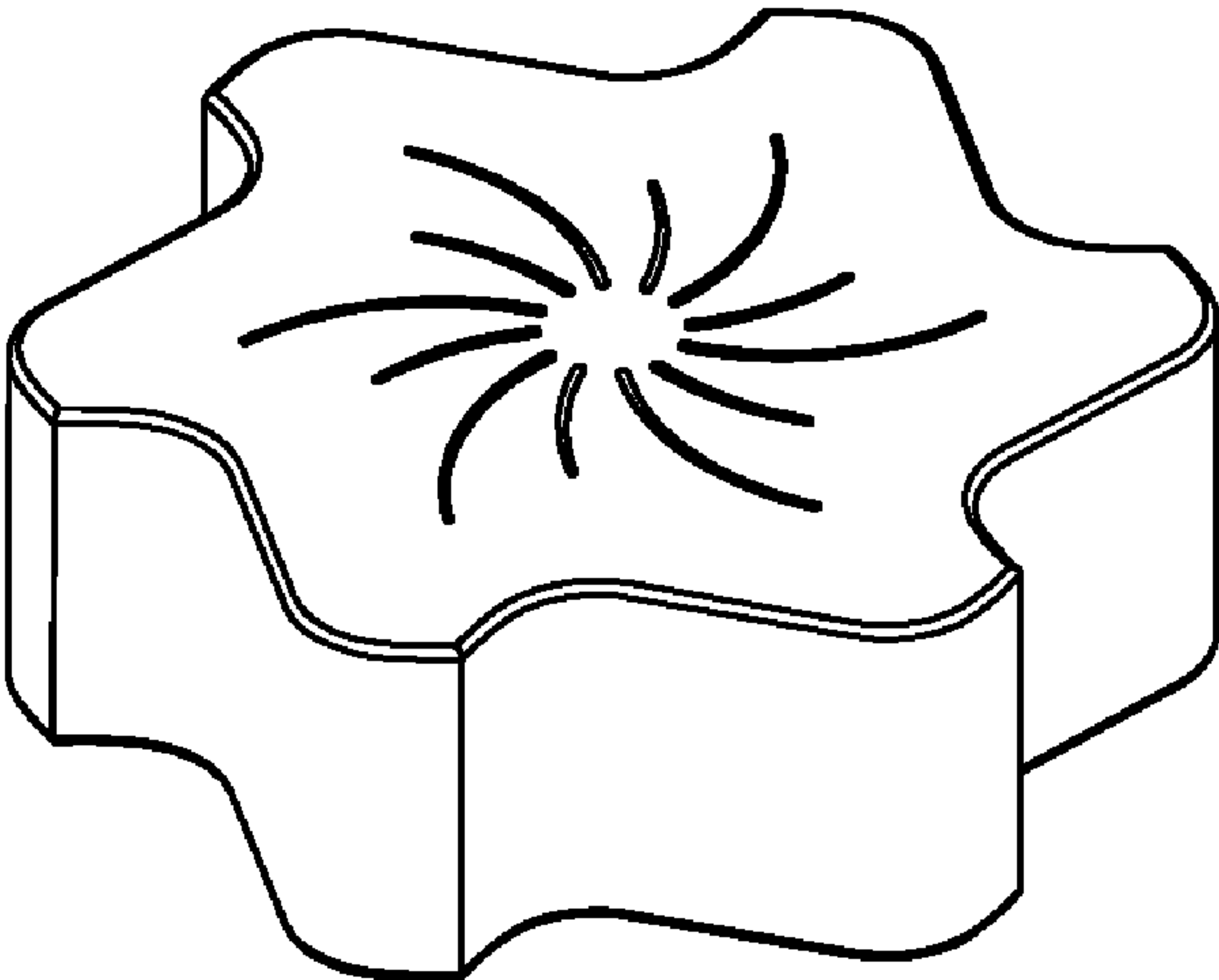


FIG. 17 is a back view thereof;
 FIG. 18 is a left view thereof;
 FIG. 19 is a right view thereof;
 FIG. 20 is a top view thereof;
 FIG. 21 is a bottom view thereof;
 FIG. 22 is a perspective view of a fourth embodiment of a single-dose detergent unit, showing our new design;
 FIG. 23 is a front view thereof;
 FIG. 24 is a back view thereof;
 FIG. 25 is a left view thereof;
 FIG. 26 is a right view thereof;
 FIG. 27 is a top view thereof;
 FIG. 28 is a bottom view thereof;
 FIG. 29 is a perspective view of a fifth embodiment of a single-dose detergent unit, showing our new design;
 FIG. 30 is a front view thereof;
 FIG. 31 is a back view thereof;
 FIG. 32 is a left view thereof;
 FIG. 33 is a right view thereof;
 FIG. 34 is a top view thereof;
 FIG. 35 is a bottom view thereof;
 FIG. 36 is a perspective view of a sixth embodiment of a single-dose detergent unit, showing our new design;
 FIG. 37 is a front view thereof;
 FIG. 38 is a back view thereof;
 FIG. 39 is a left view thereof;
 FIG. 40 is a right view thereof;
 FIG. 41 is a top view thereof;
 FIG. 42 is a bottom view thereof;
 FIG. 43 is a perspective view of a seventh embodiment of a single-dose detergent unit, showing our new design;
 FIG. 44 is a front view thereof;
 FIG. 45 is a back view thereof;
 FIG. 46 is a left view thereof;
 FIG. 47 is a right view thereof;
 FIG. 48 is a top view thereof and;
 FIG. 49 is a bottom view thereof;
 FIG. 50 is a perspective view of an eighth embodiment of a single-dose detergent unit, showing our new design;
 FIG. 51 is a front view thereof;
 FIG. 52 is a back view thereof;
 FIG. 53 is a left view thereof;
 FIG. 54 is a right view thereof;
 FIG. 55 is a top view thereof and;
 FIG. 56 is a bottom view thereof;
 FIG. 57 is a perspective view of a ninth embodiment of a single-dose detergent unit, showing our new design;
 FIG. 58 is a front view thereof;
 FIG. 59 is a back view thereof;
 FIG. 60 is a left view thereof;
 FIG. 61 is a right view thereof;
 FIG. 62 is a top view thereof and;
 FIG. 63 is a bottom view thereof;
 FIG. 64 is a perspective view of a tenth embodiment of a single-dose detergent unit, showing our new design;
 FIG. 65 is a front view thereof;
 FIG. 66 is a back view thereof;
 FIG. 67 is a left view thereof;
 FIG. 68 is a right view thereof;
 FIG. 69 is a top view thereof and;
 FIG. 70 is a bottom view thereof;
 FIG. 71 is a perspective view of an eleventh embodiment of a single-dose detergent unit, showing our new design;

FIG. 72 is a front view thereof;
 FIG. 73 is a back view thereof;
 FIG. 74 is a left view thereof;
 FIG. 75 is a right view thereof;
 FIG. 76 is a top view thereof and;
 FIG. 77 is a bottom view thereof;
 FIG. 78 is a perspective view of a twelfth embodiment of a single-dose detergent unit, showing our new design;
 FIG. 79 is a front view thereof;
 FIG. 80 is a back view thereof;
 FIG. 81 is a left view thereof;
 FIG. 82 is a right view thereof;
 FIG. 83 is a top view thereof and;
 FIG. 84 is a bottom view thereof;
 FIG. 85 is a perspective view of a thirteenth embodiment of a single-dose detergent unit, showing our new design;
 FIG. 86 is a front view thereof;
 FIG. 87 is a back view thereof;
 FIG. 88 is a left view thereof;
 FIG. 89 is a right view thereof;
 FIG. 90 is a top view thereof and;
 FIG. 91 is a bottom view thereof;
 FIG. 92 is a perspective view of a fourteenth embodiment of a single-dose detergent unit, showing our new design;
 FIG. 93 is a front view thereof;
 FIG. 94 is a back view thereof;
 FIG. 95 is a left view thereof;
 FIG. 96 is a right view thereof;
 FIG. 97 is a top view thereof and;
 FIG. 98 is a bottom view thereof;
 FIG. 99 is a perspective view of a fifteenth embodiment of a single-dose detergent unit, showing our new design;
 FIG. 100 is a front view thereof;
 FIG. 101 is a back view thereof;
 FIG. 102 is a left view thereof;
 FIG. 103 is a right view thereof;
 FIG. 104 is a top view thereof and;
 FIG. 105 is a bottom view thereof;
 FIG. 106 is a perspective view of a sixteenth embodiment of a single-dose detergent unit, showing our new design;
 FIG. 107 is a front view thereof;
 FIG. 108 is a back view thereof;
 FIG. 109 is a left view thereof;
 FIG. 110 is a right view thereof;
 FIG. 111 is a top view thereof and;
 FIG. 112 is a bottom view thereof;
 FIG. 113 is a perspective view of a seventeenth embodiment of a single-dose detergent unit, showing our new design;
 FIG. 114 is a front view thereof;
 FIG. 115 is a back view thereof;
 FIG. 116 is a left view thereof;
 FIG. 117 is a right view thereof;
 FIG. 118 is a top view thereof and;
 FIG. 119 is a bottom view thereof;
 FIG. 120 is a perspective view of an eighteenth embodiment of a single-dose detergent unit, showing our new design;
 FIG. 121 is a front view thereof;
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 FIG. 124 is a right view thereof;
 FIG. 125 is a top view thereof and;
 FIG. 126 is a bottom view thereof.

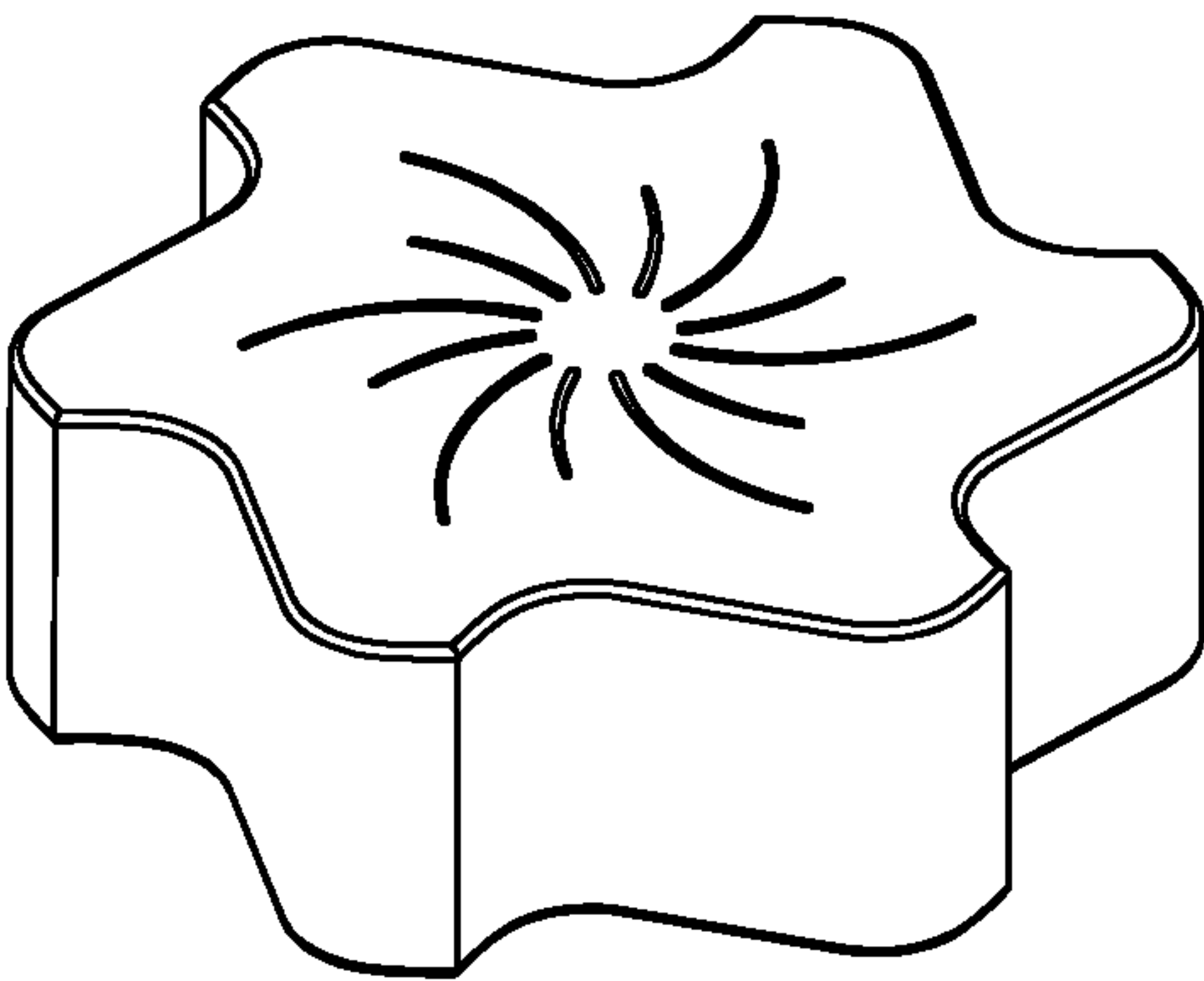


Fig. 1

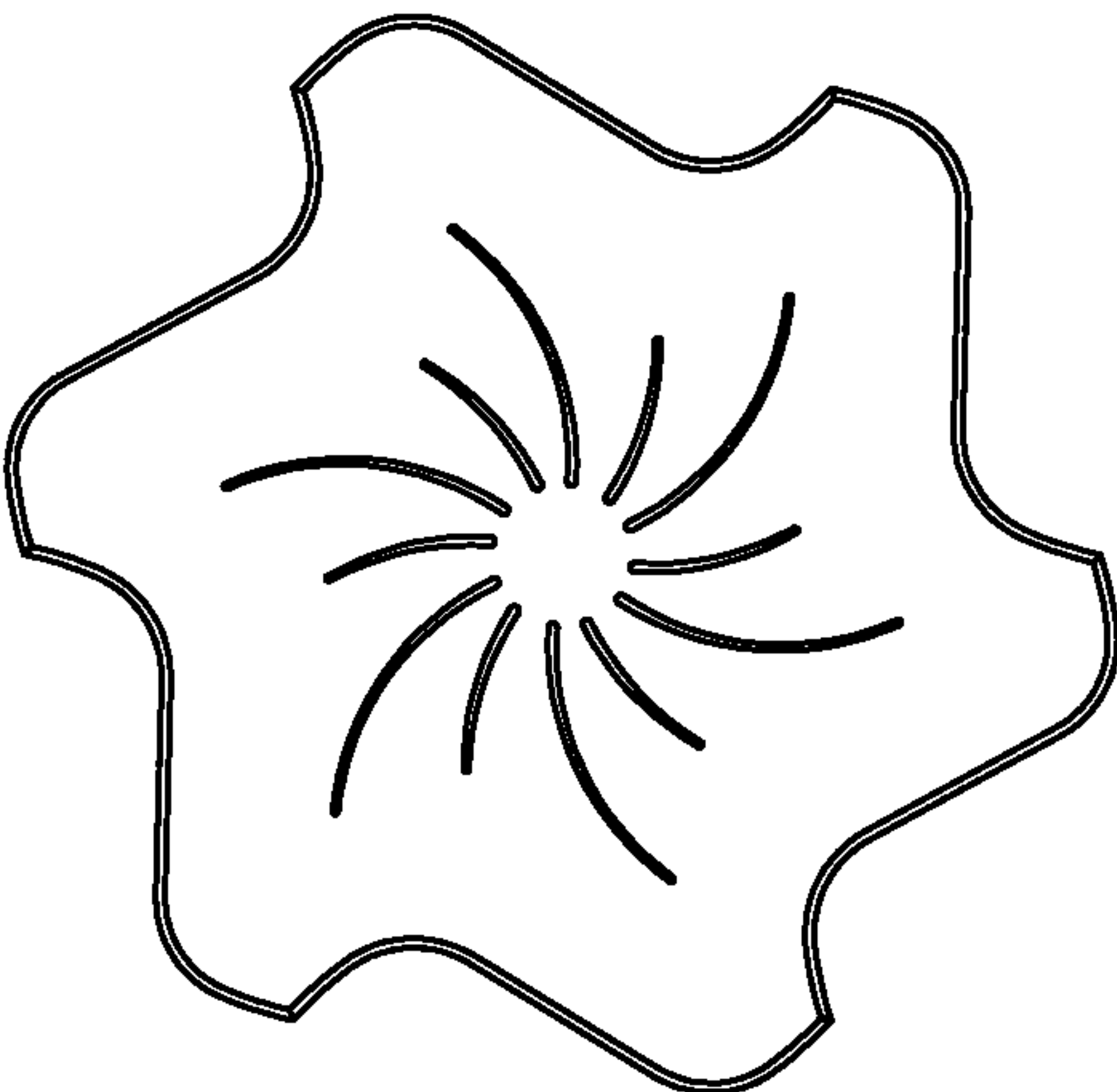


Fig. 2

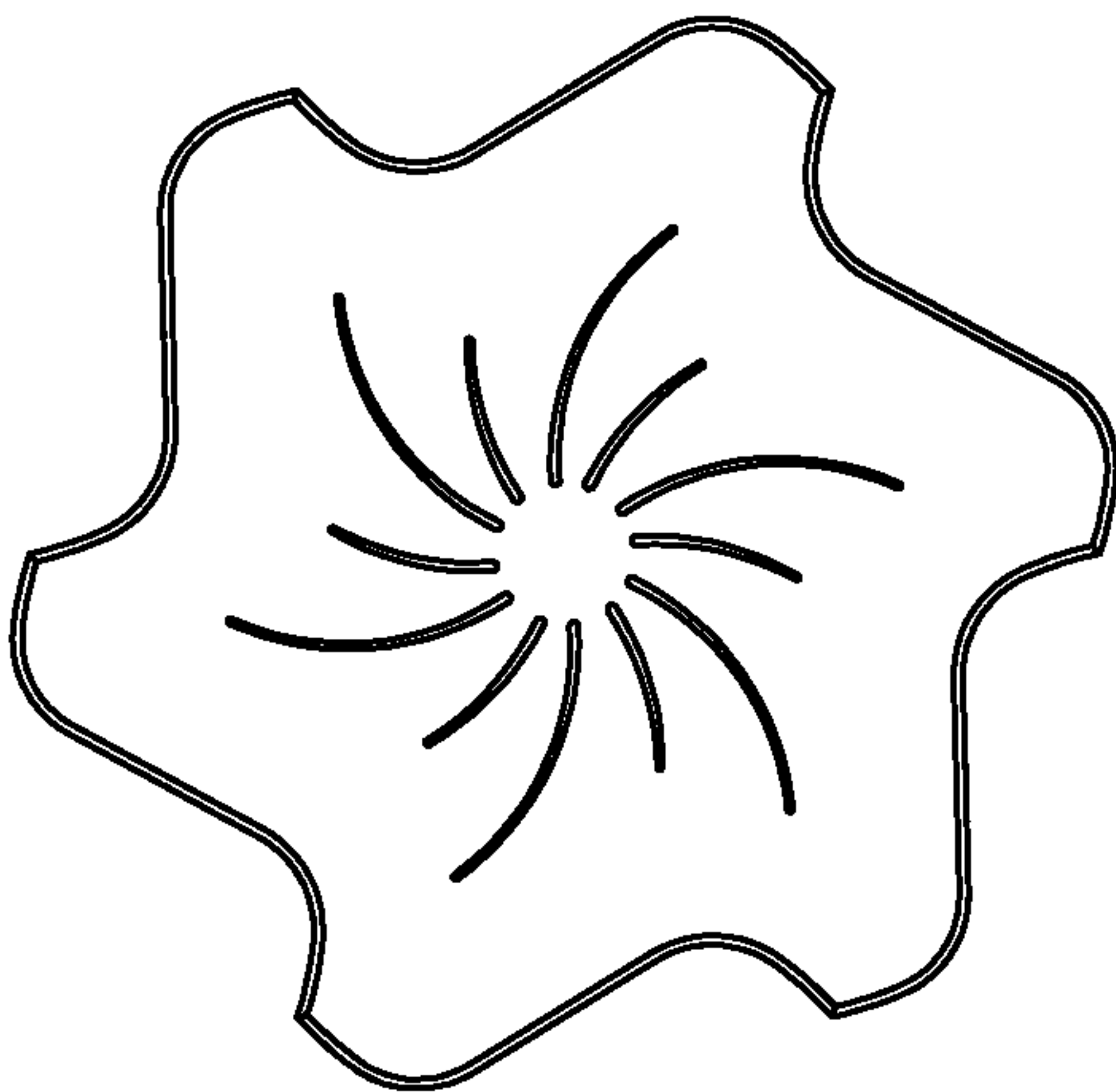


Fig. 3

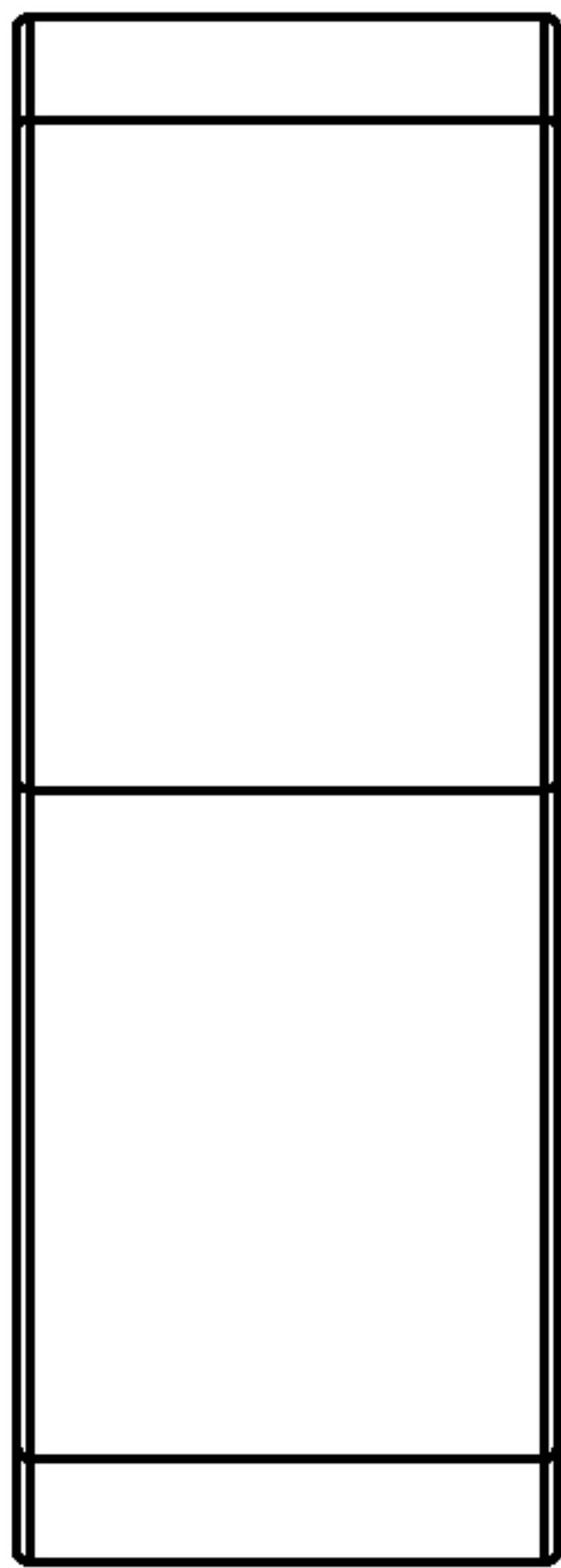


Fig. 4

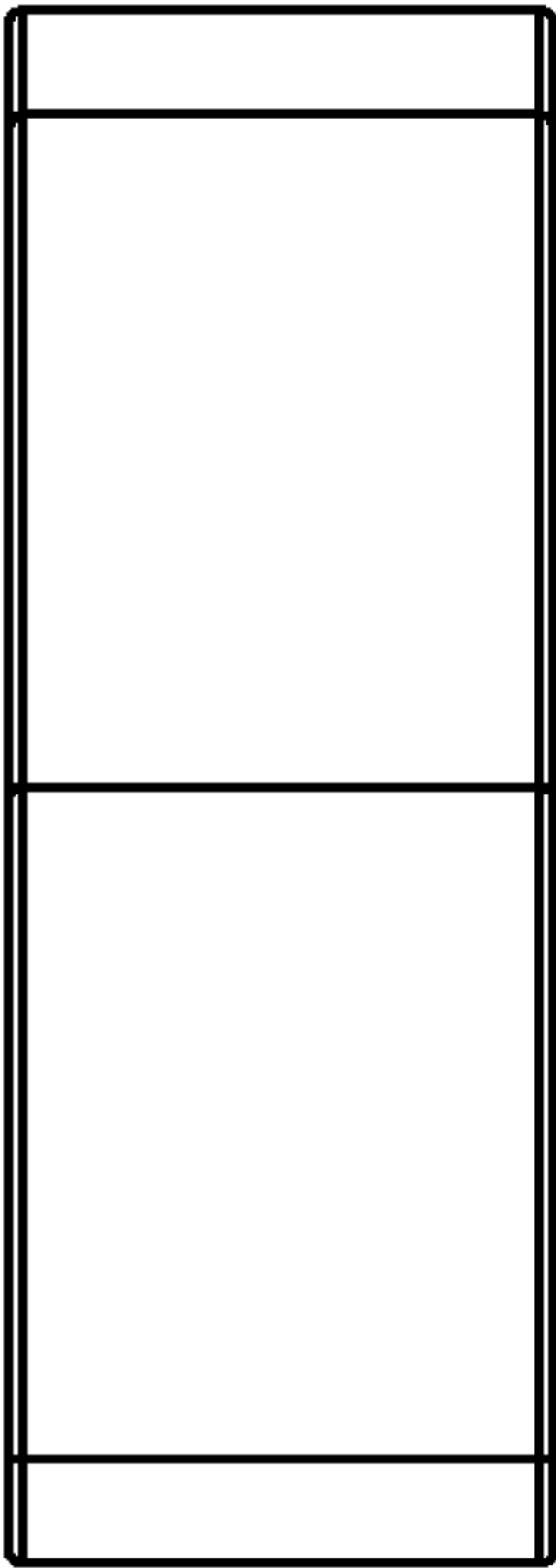


Fig. 5



Fig. 6

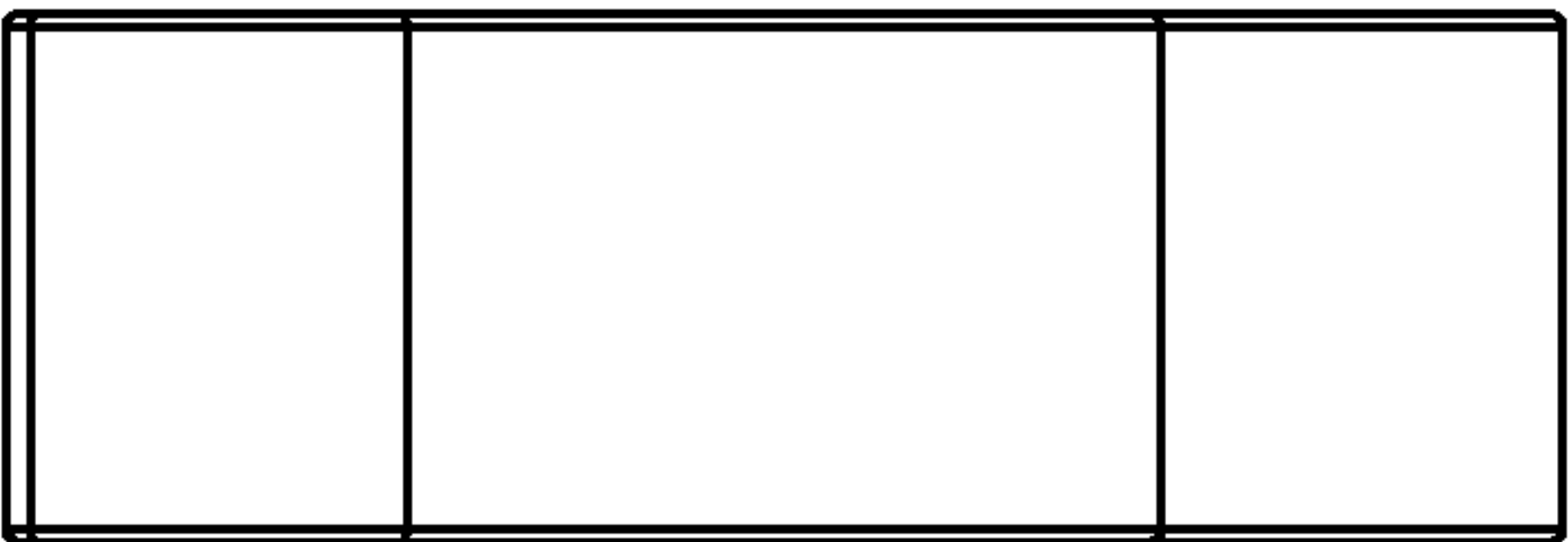


Fig. 7

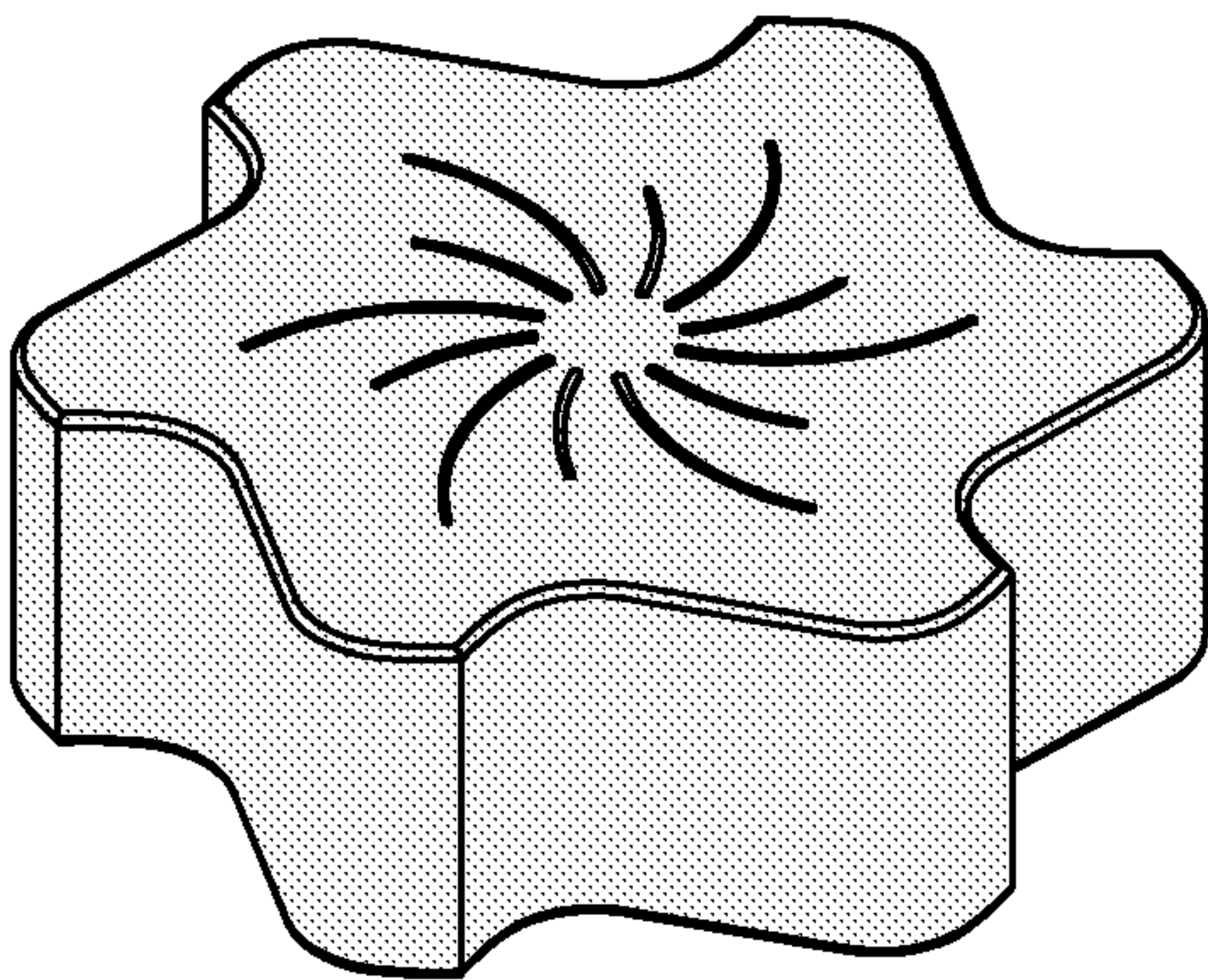


Fig. 8

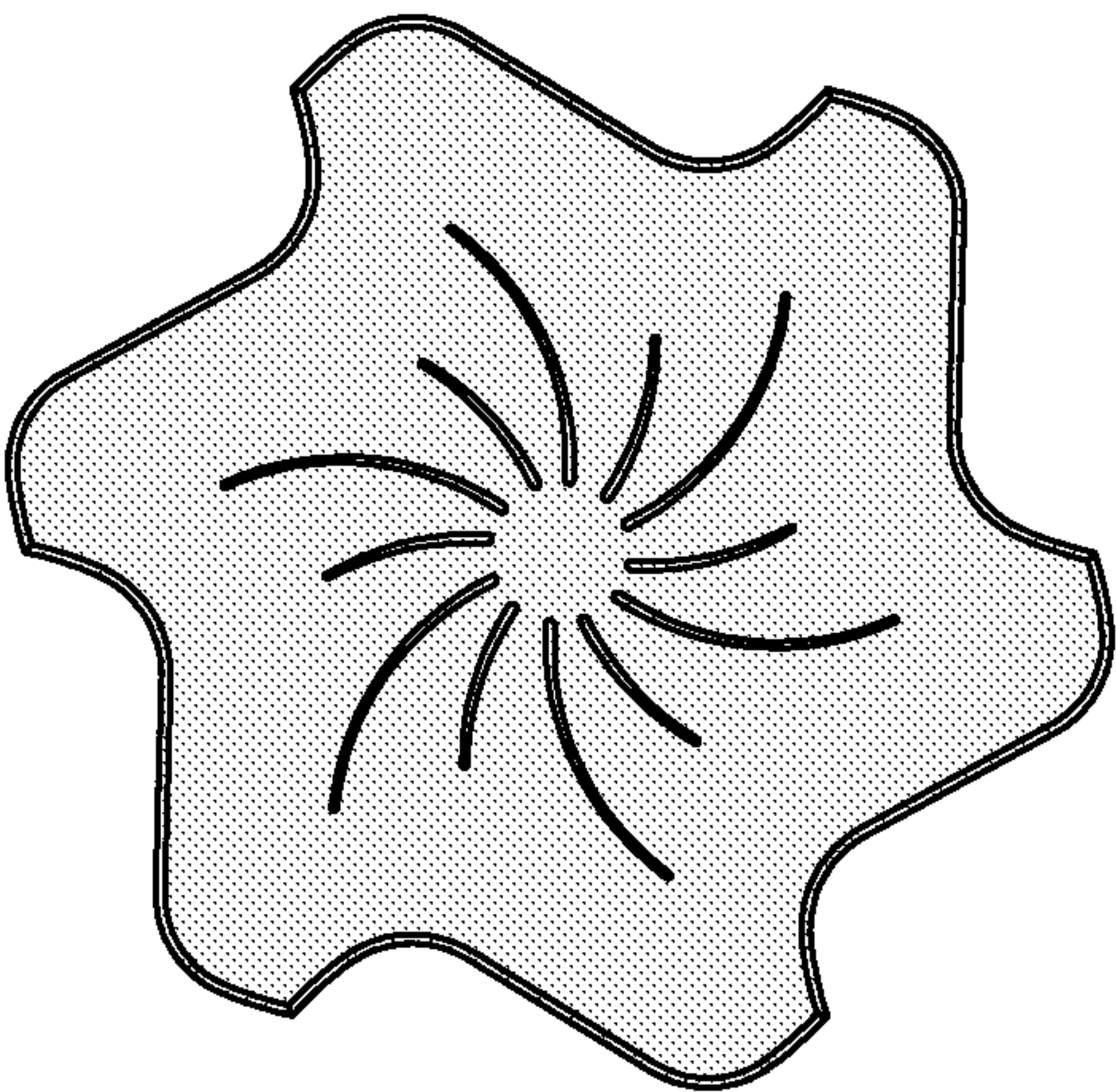


Fig. 9

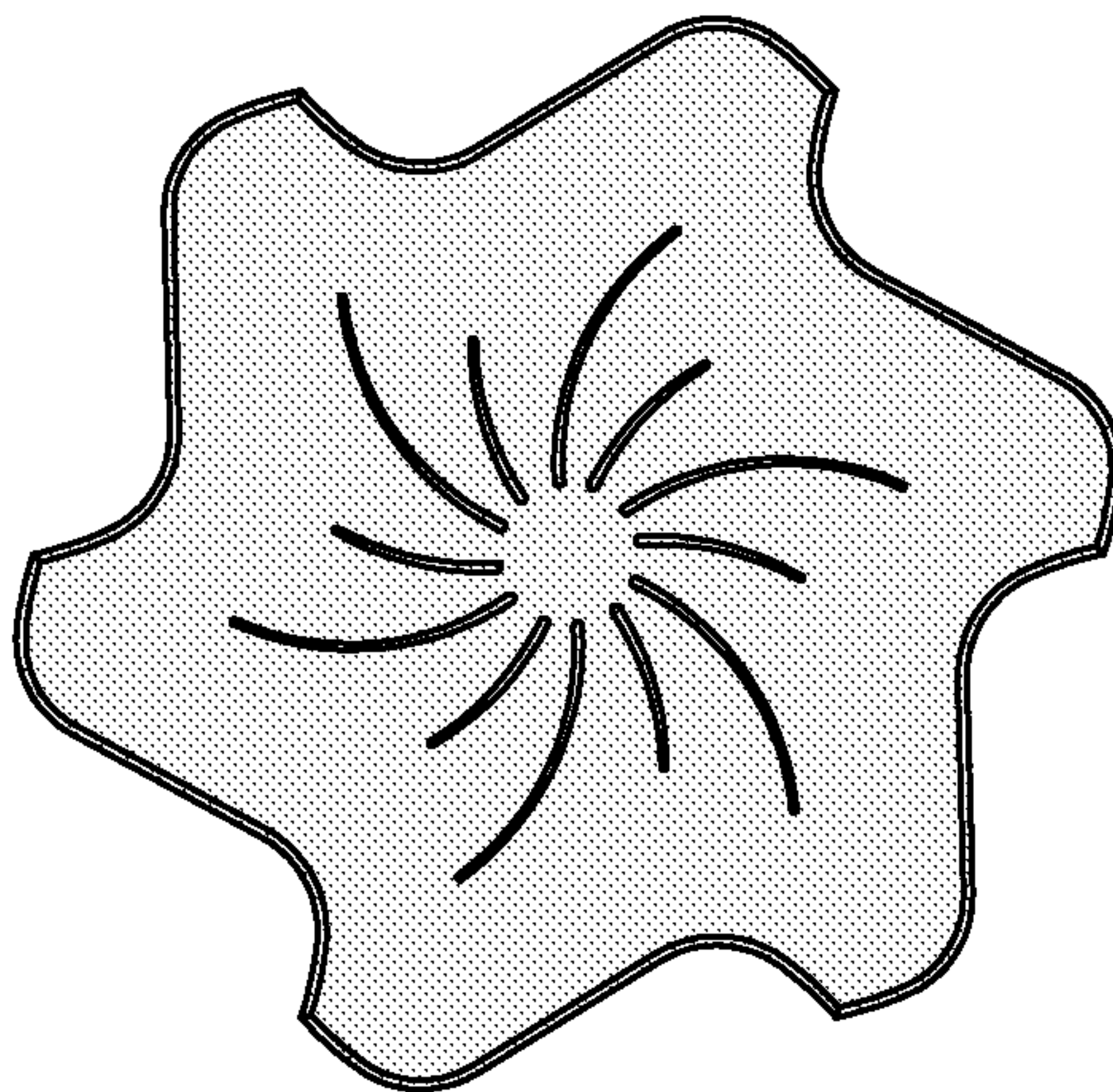


Fig. 10

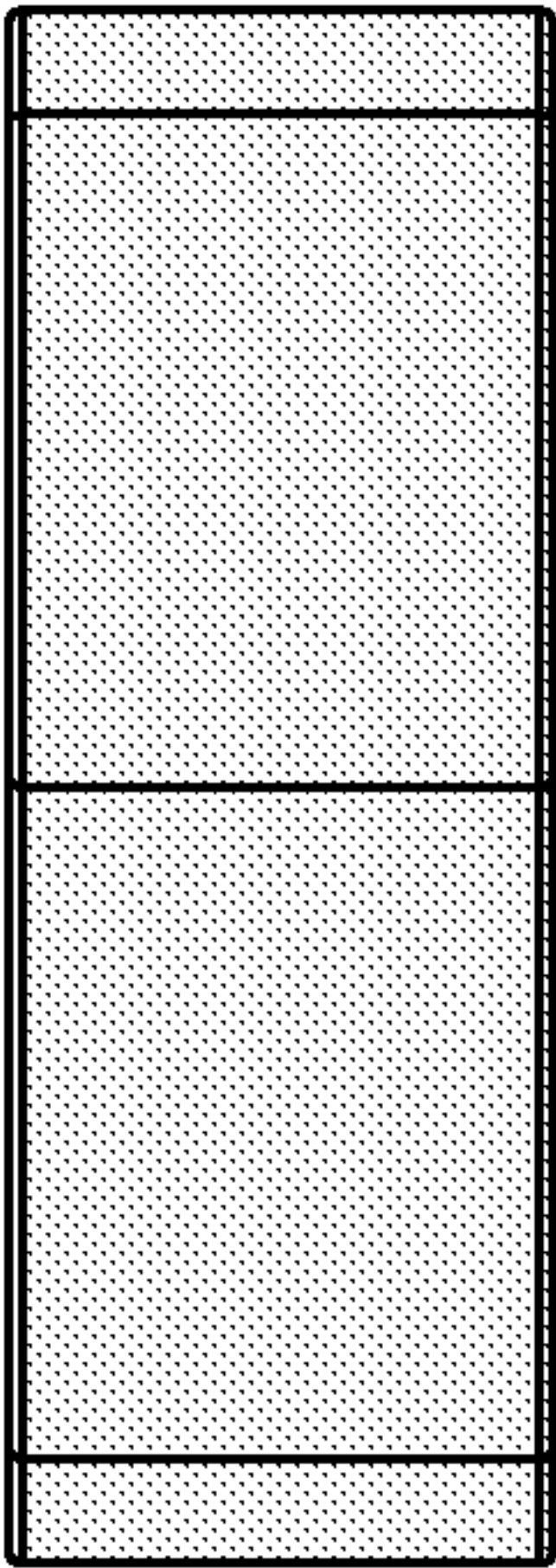


Fig. 11

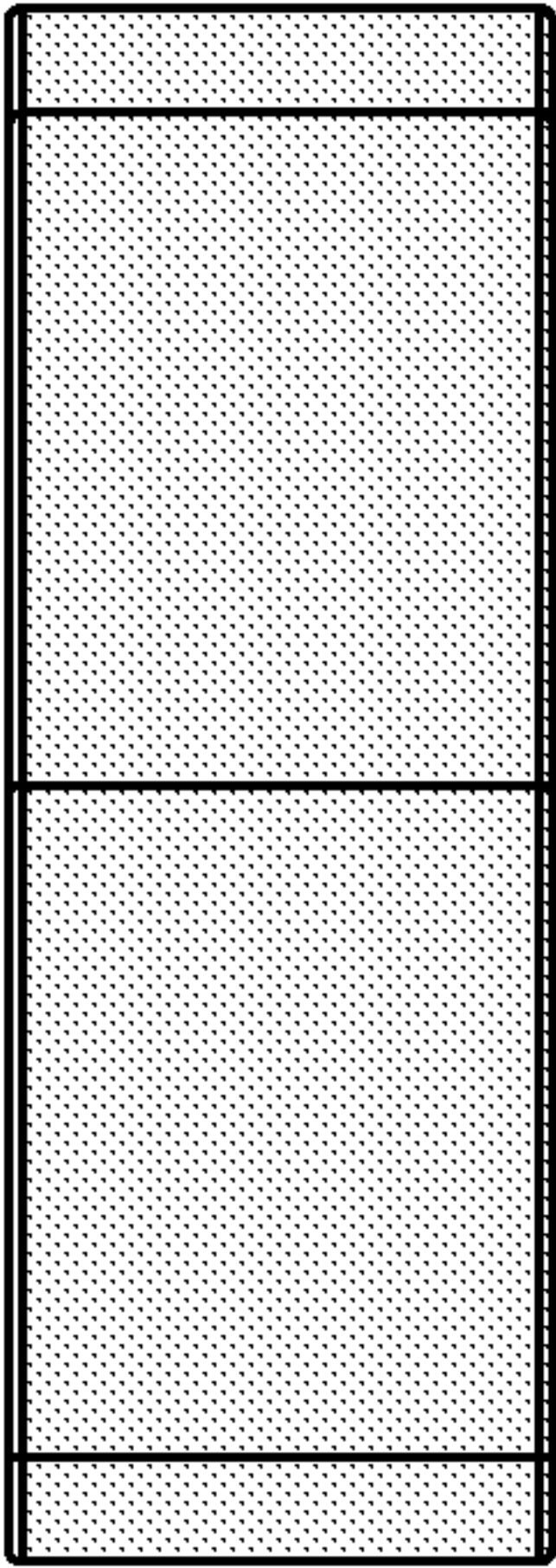


Fig. 12

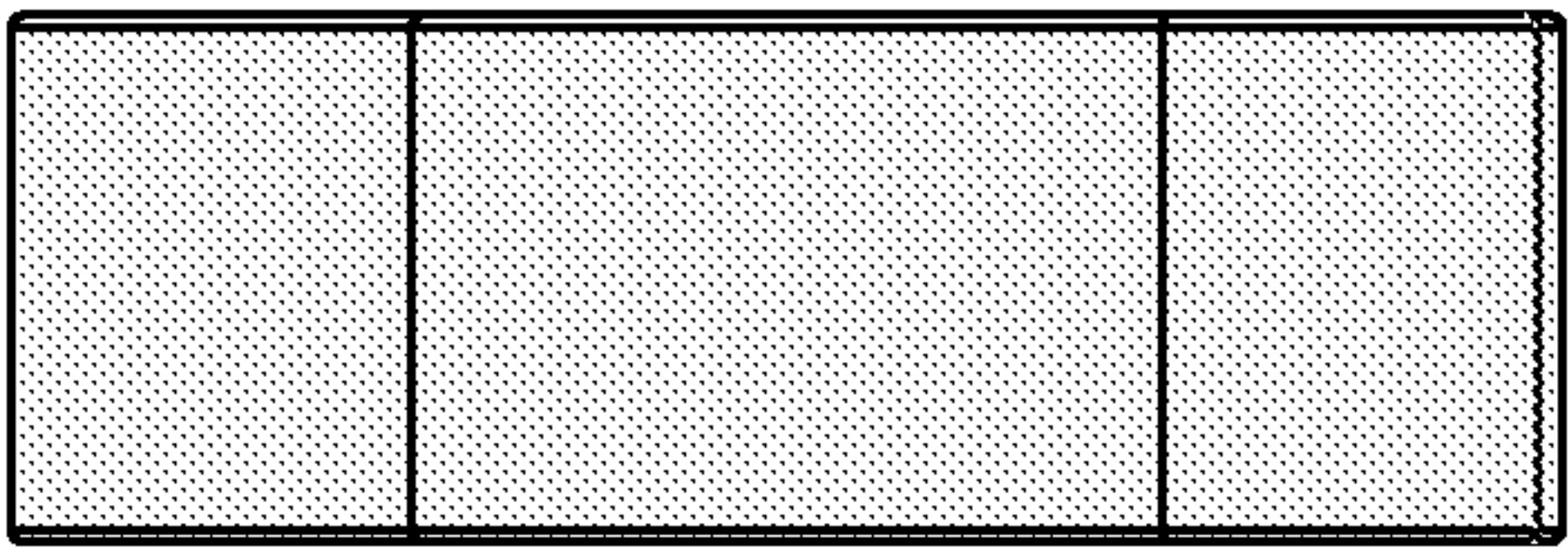


Fig. 13

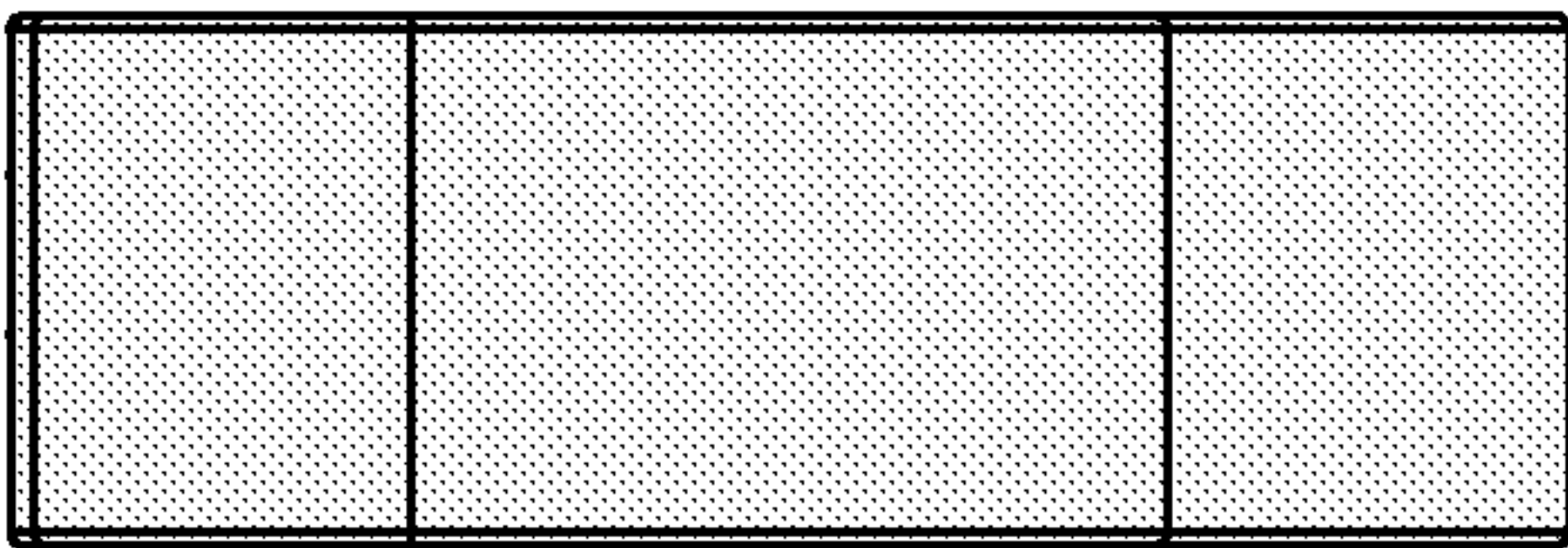


Fig. 14

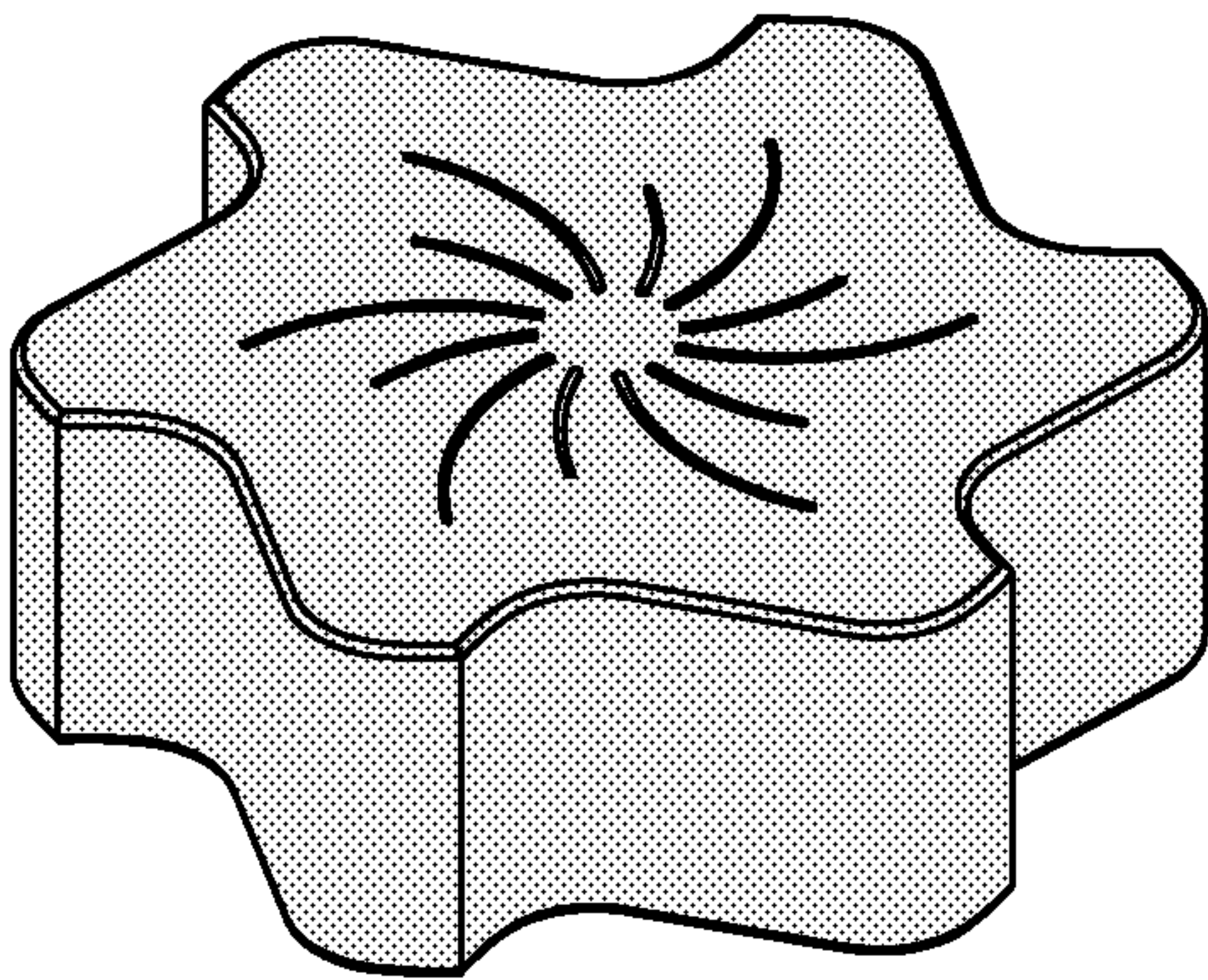


Fig. 15

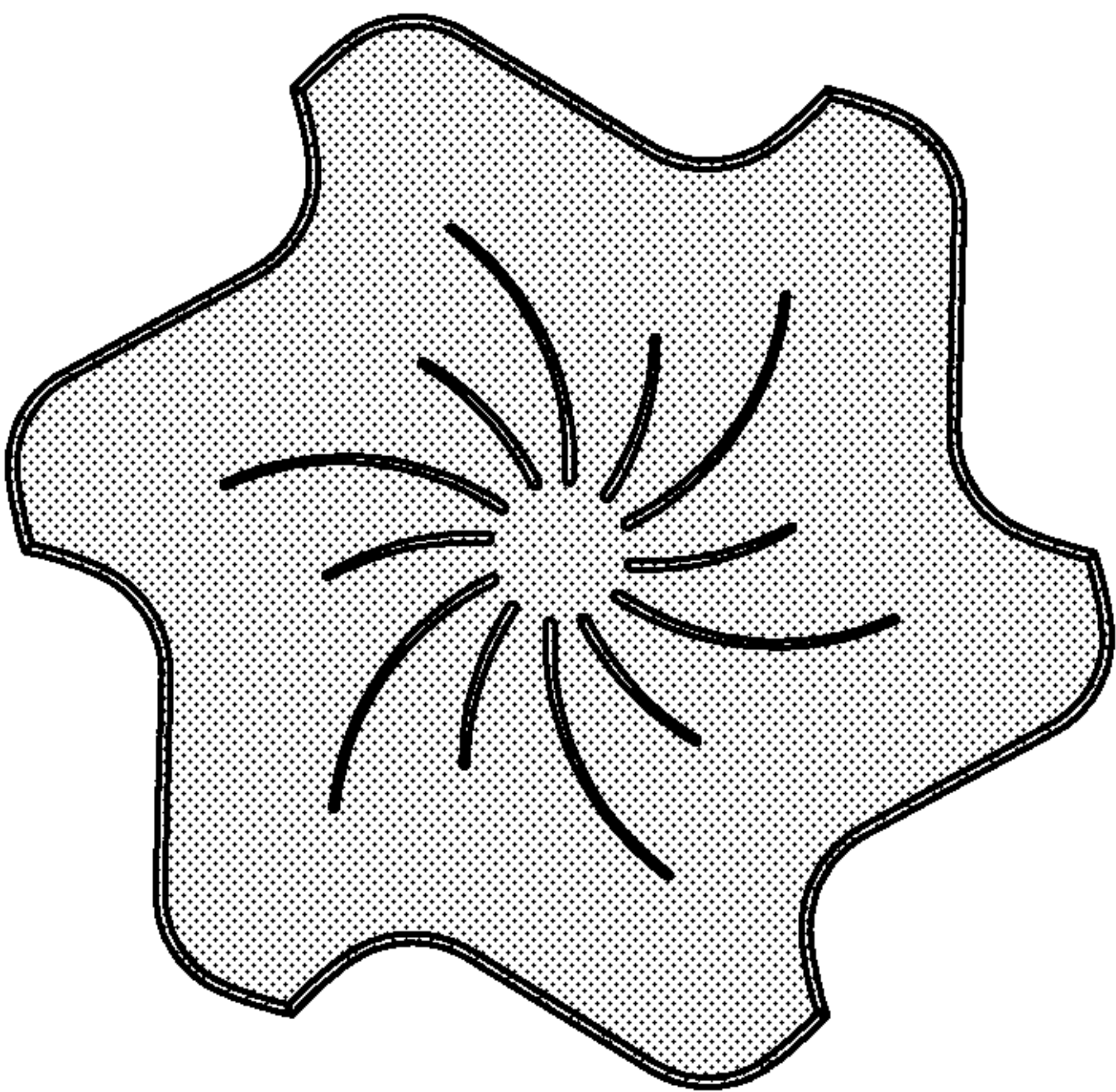


Fig. 16

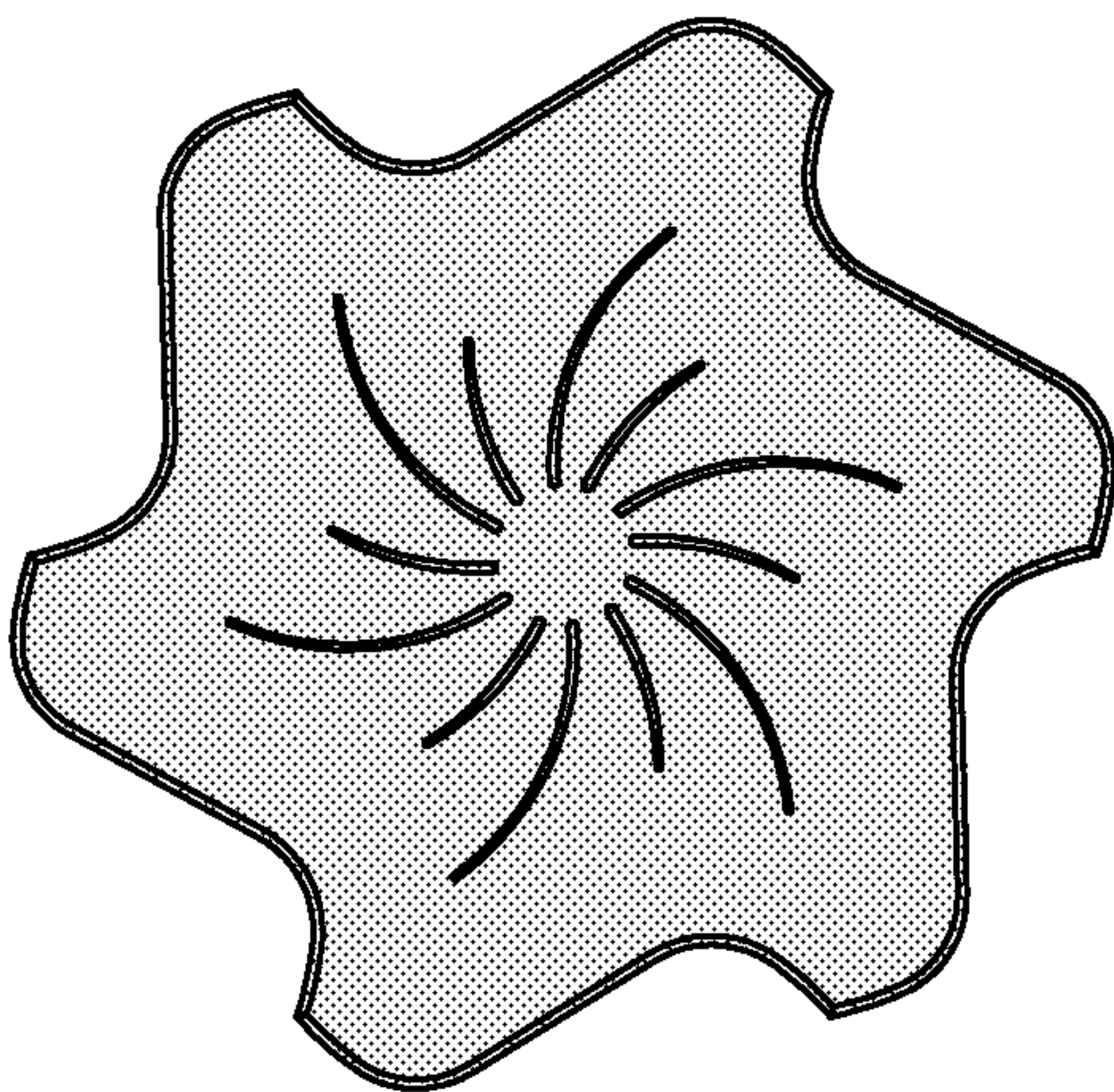


Fig. 17

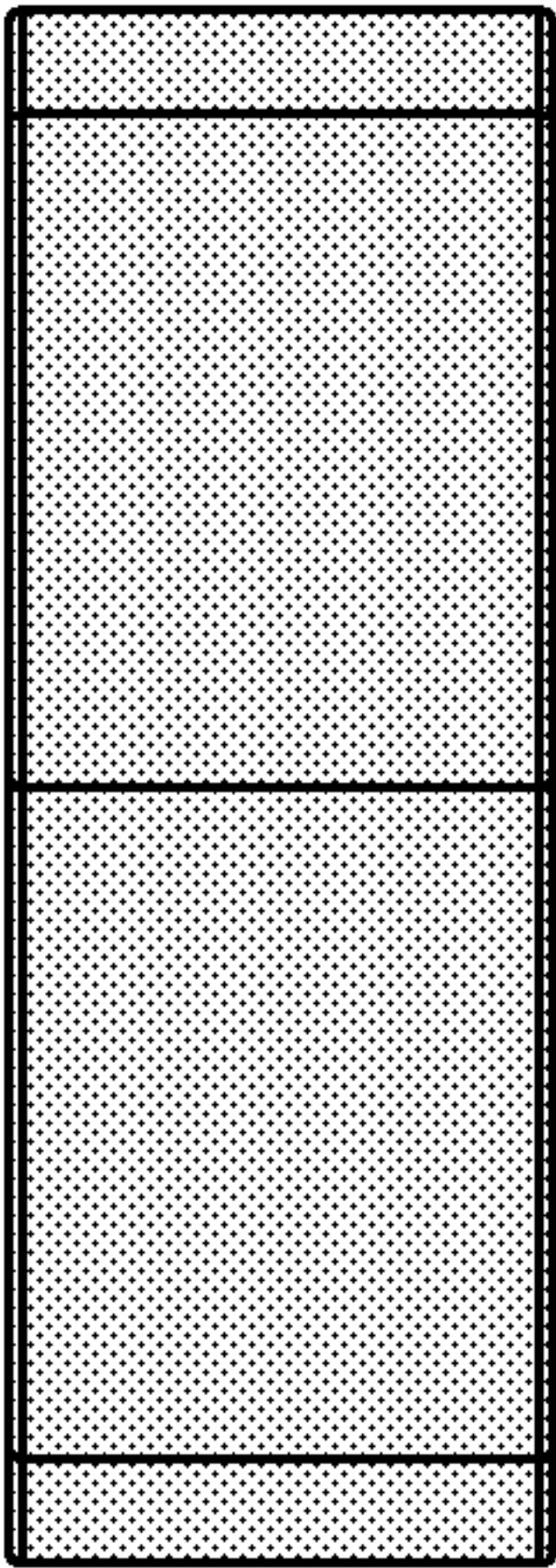


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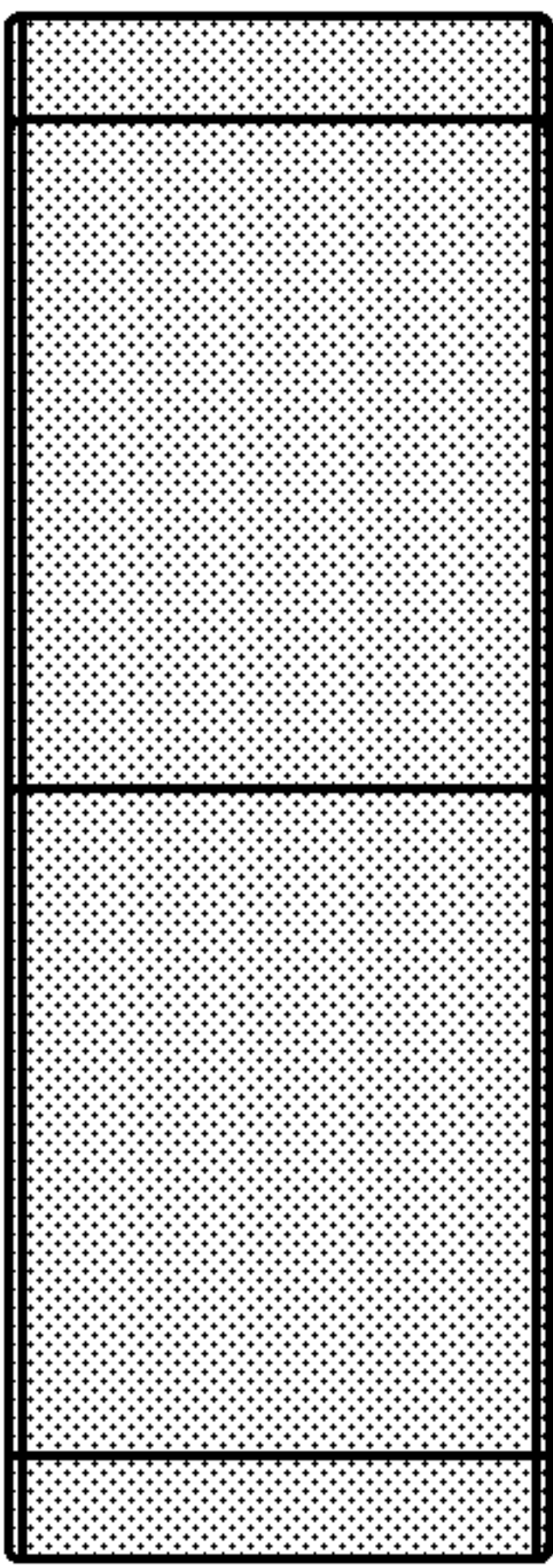


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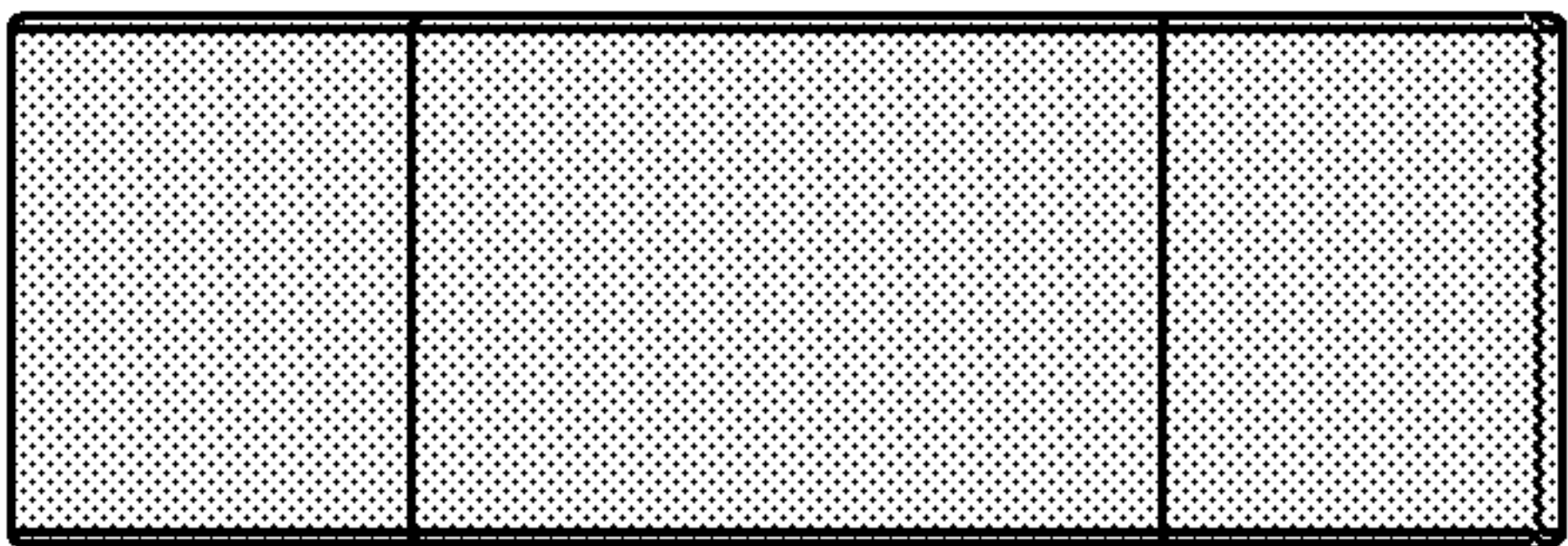


Fig. 20

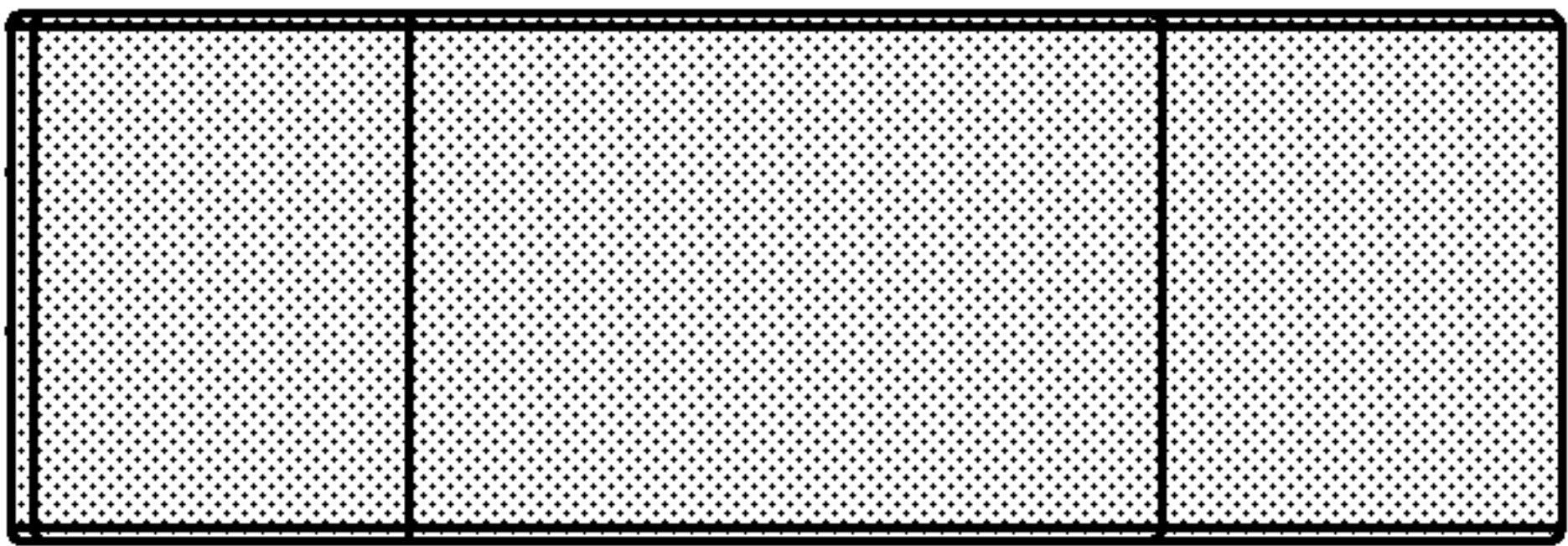


Fig. 21

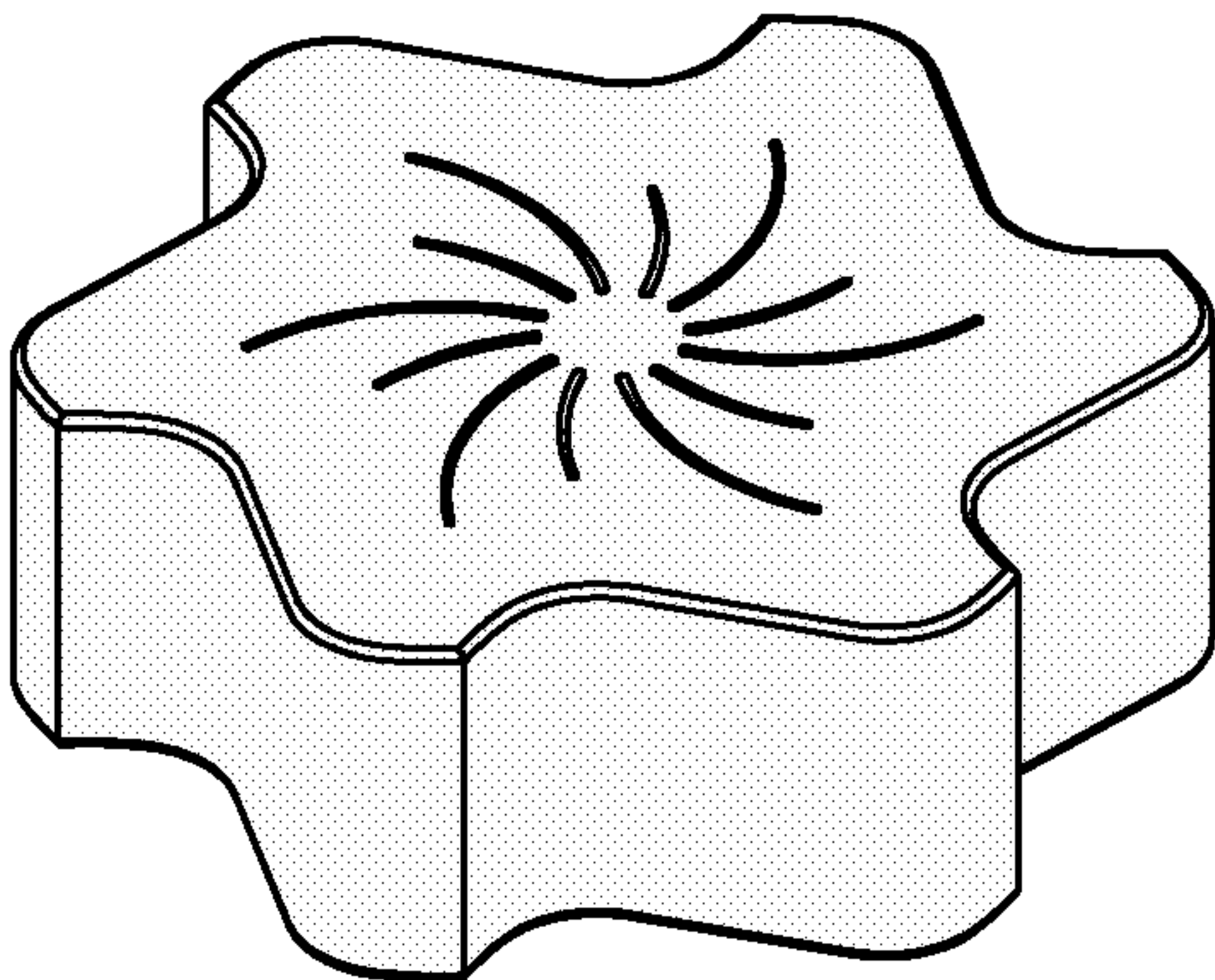


Fig. 22

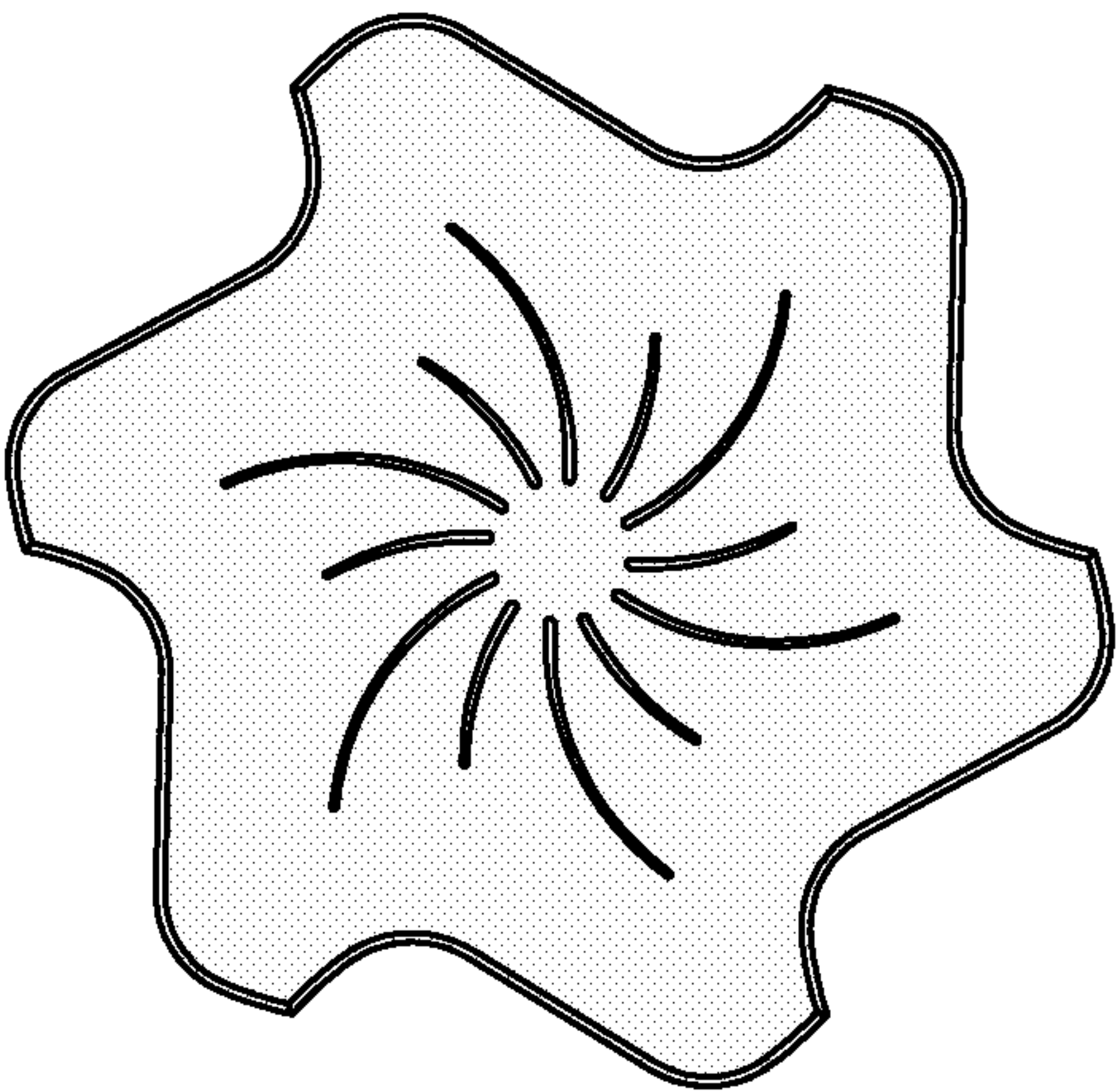


Fig. 23

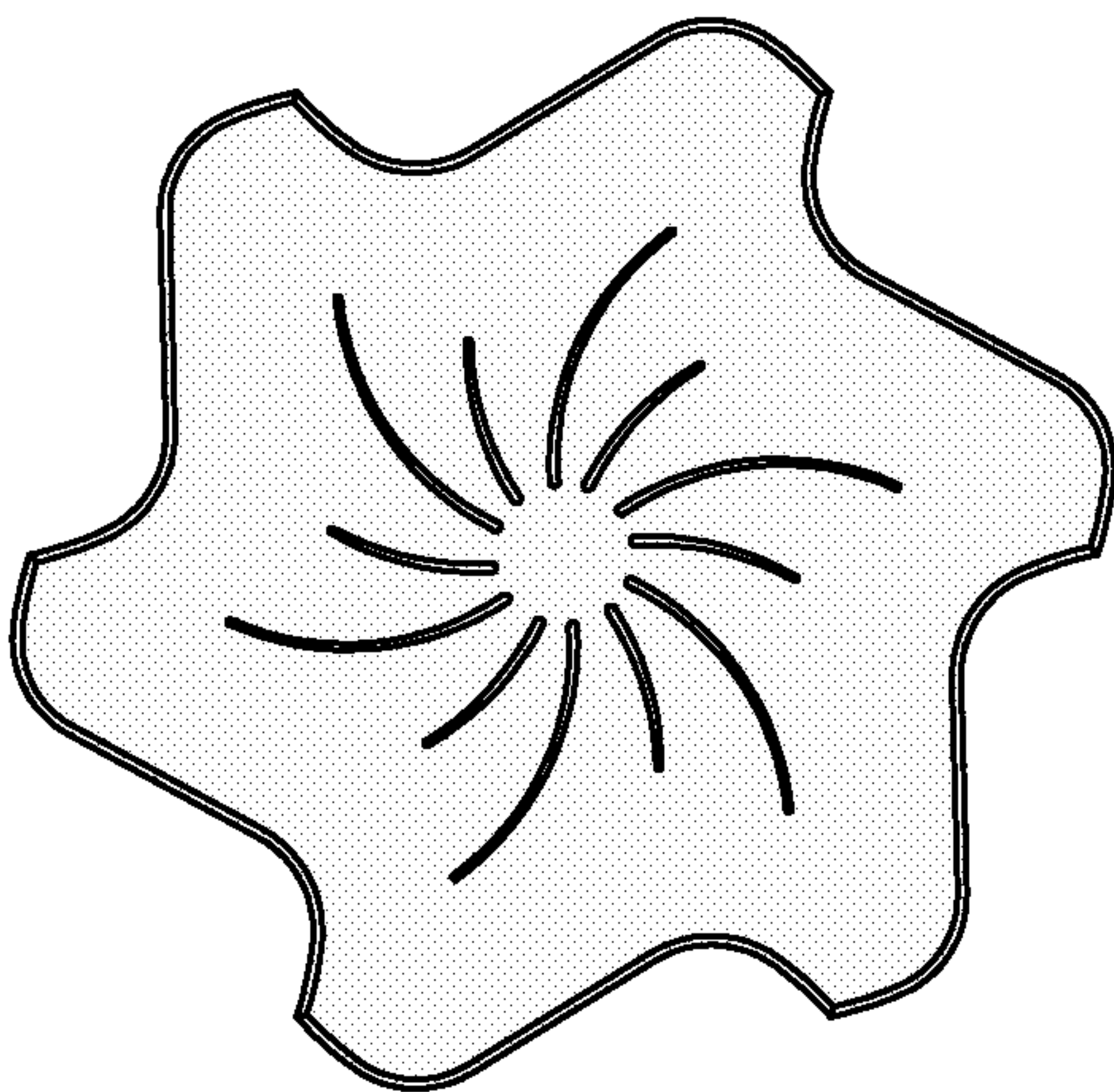


Fig. 24

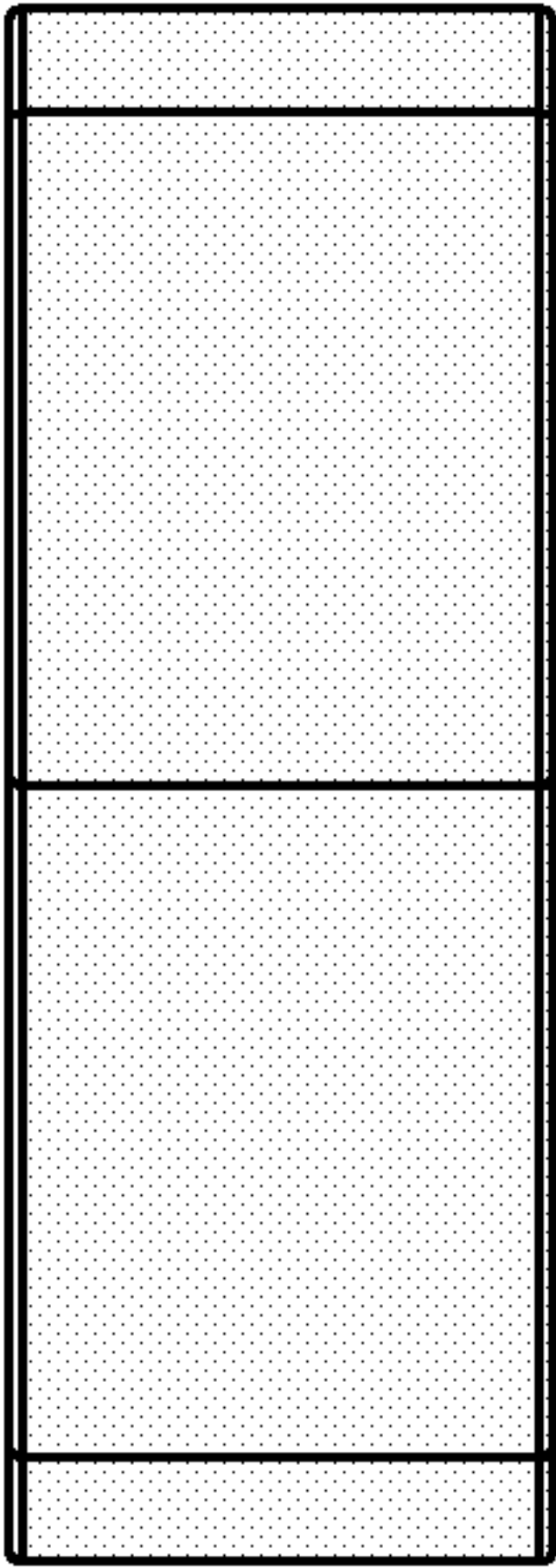


Fig. 25

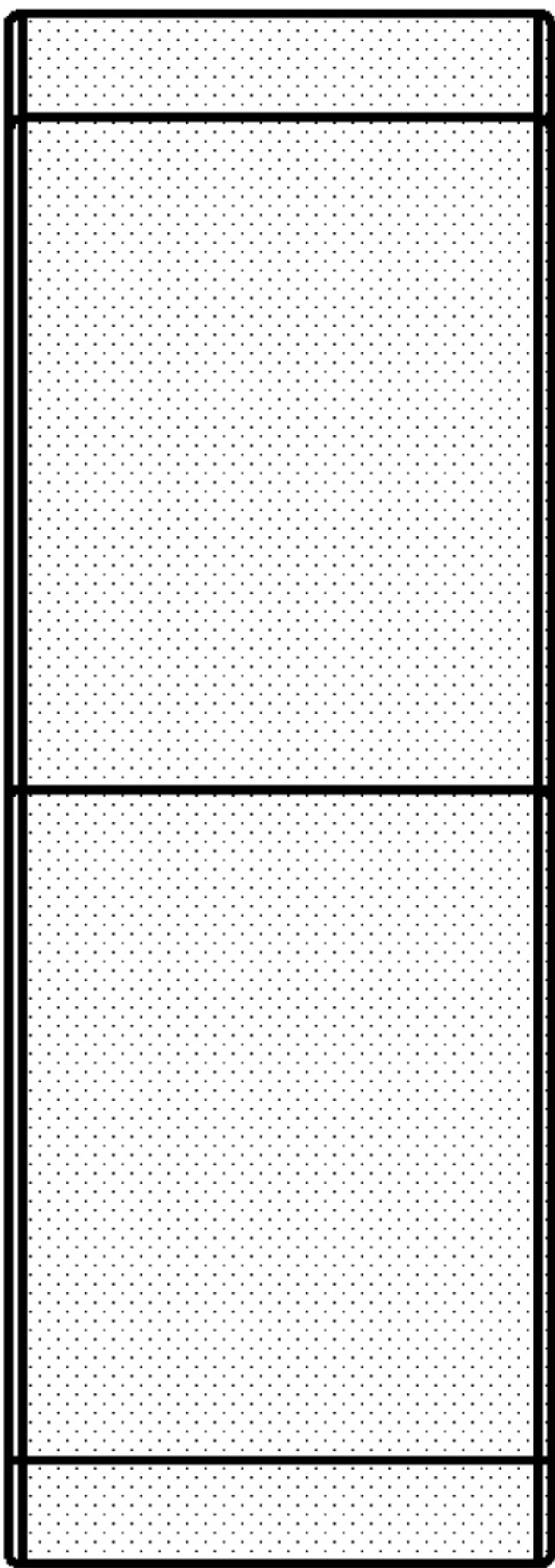


Fig. 26

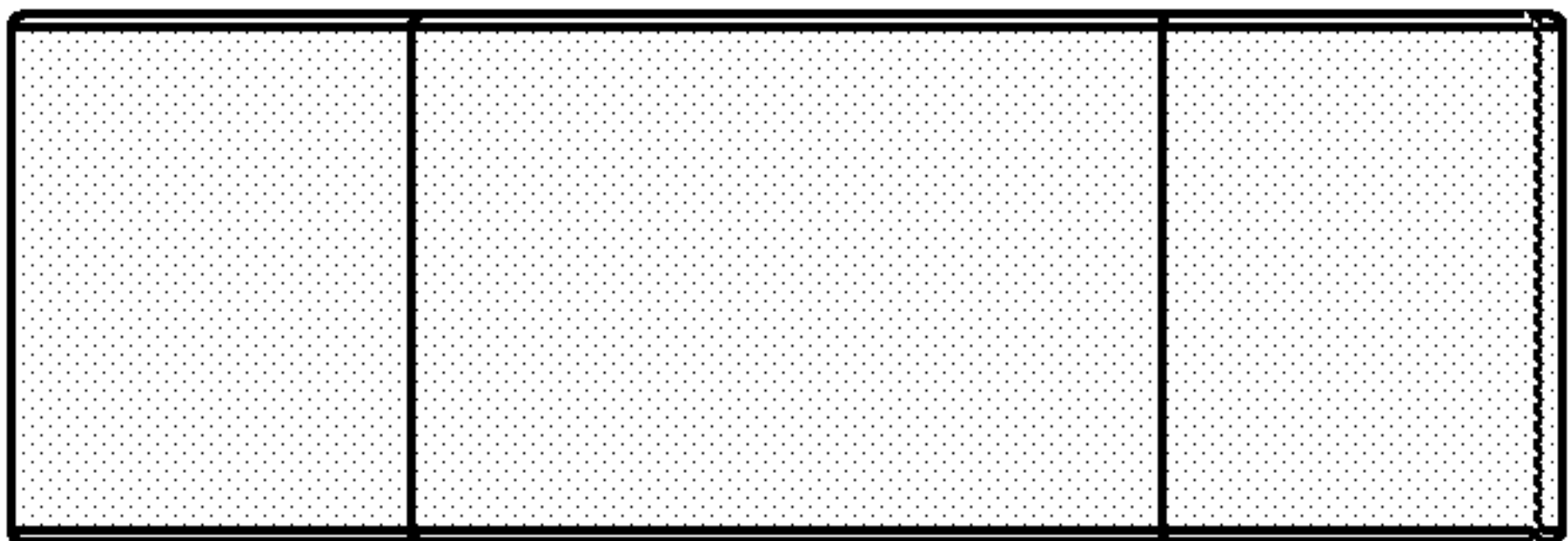


Fig. 27

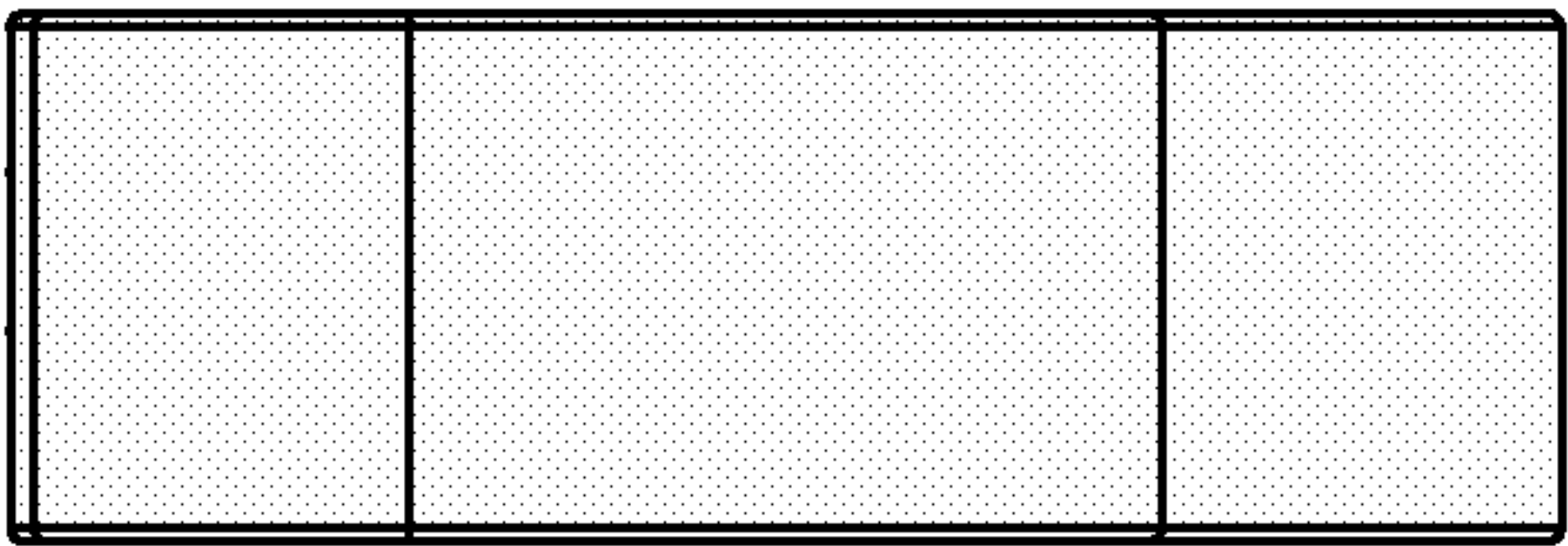


Fig. 28

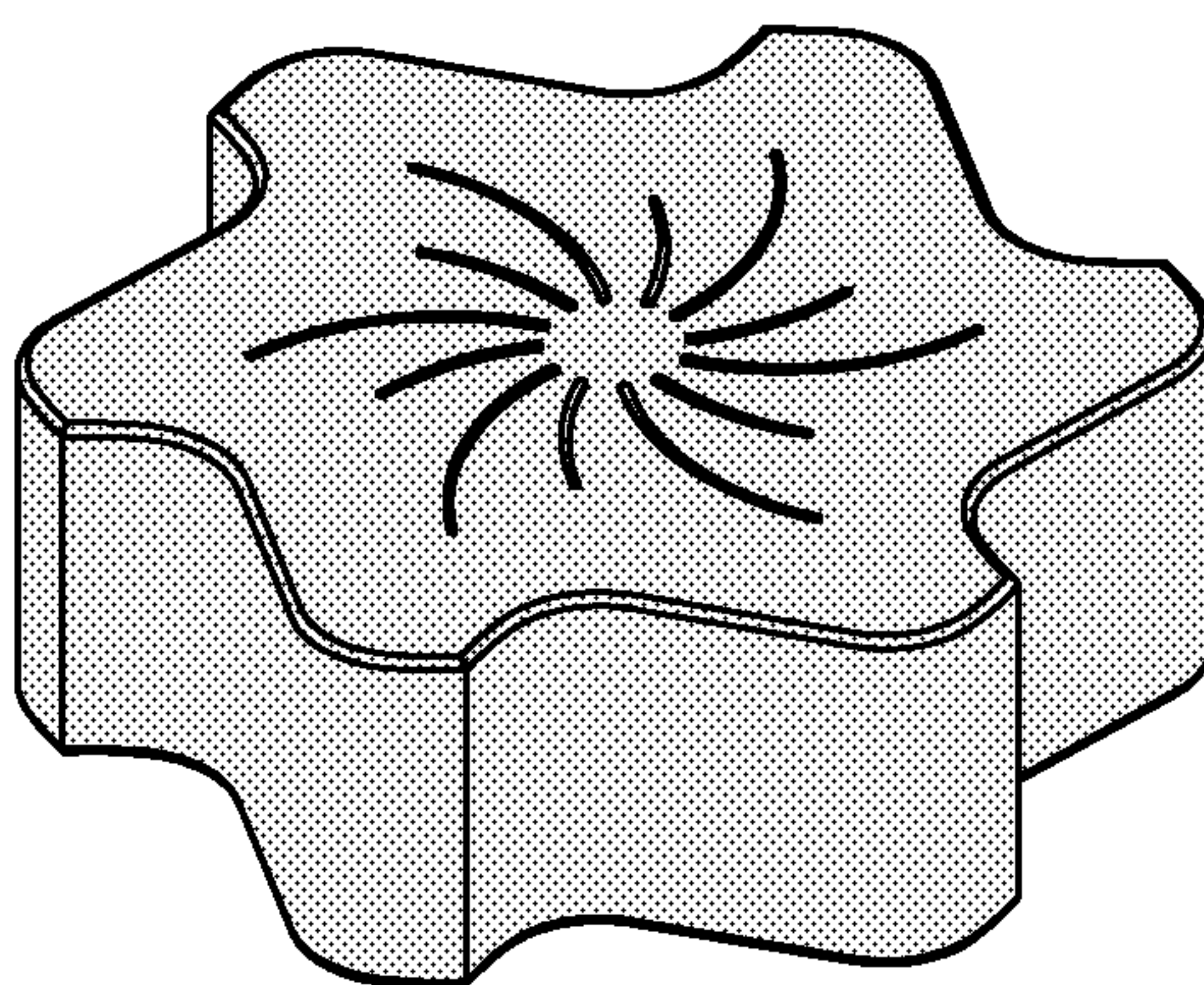


Fig. 29

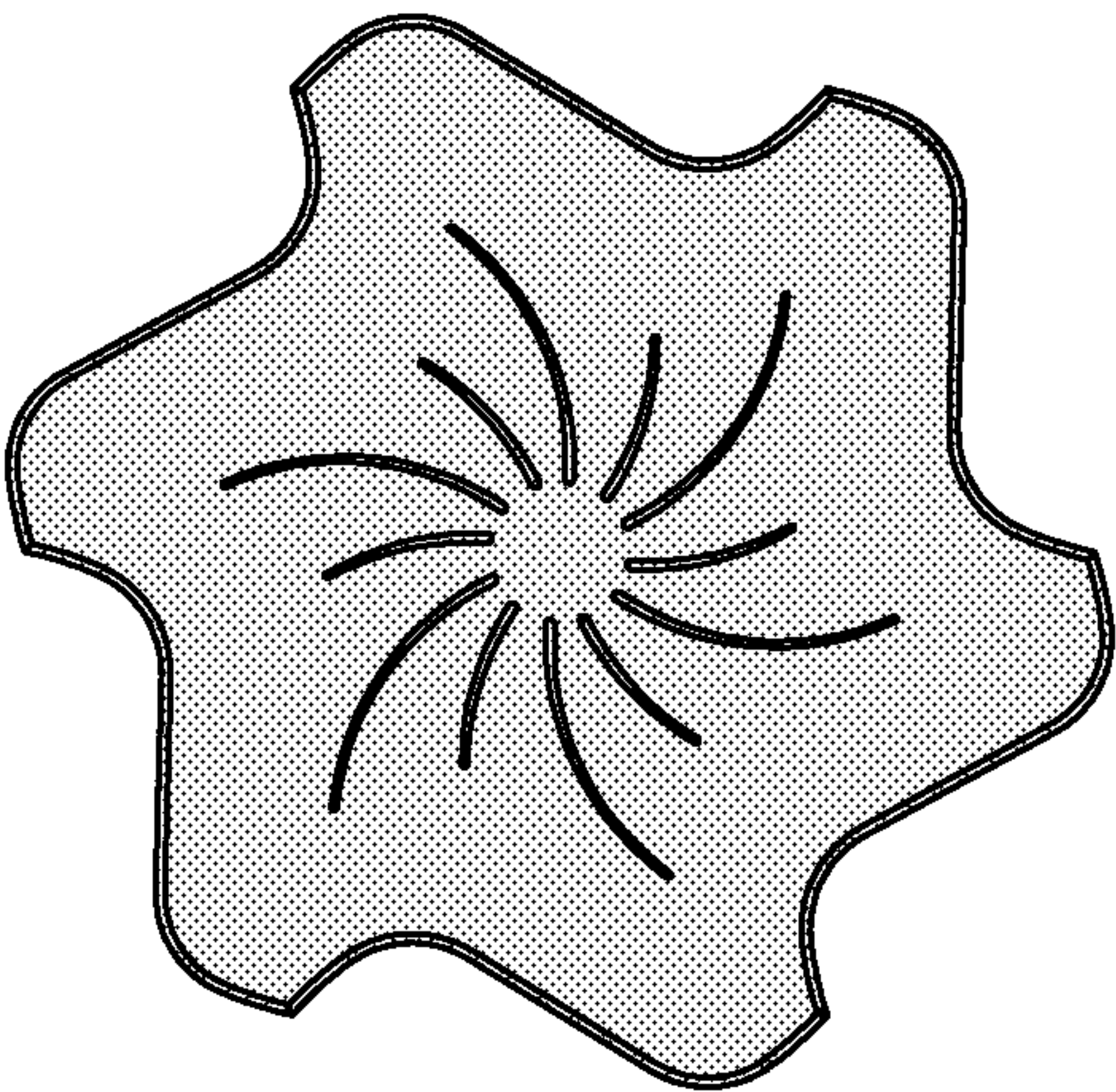


Fig. 30

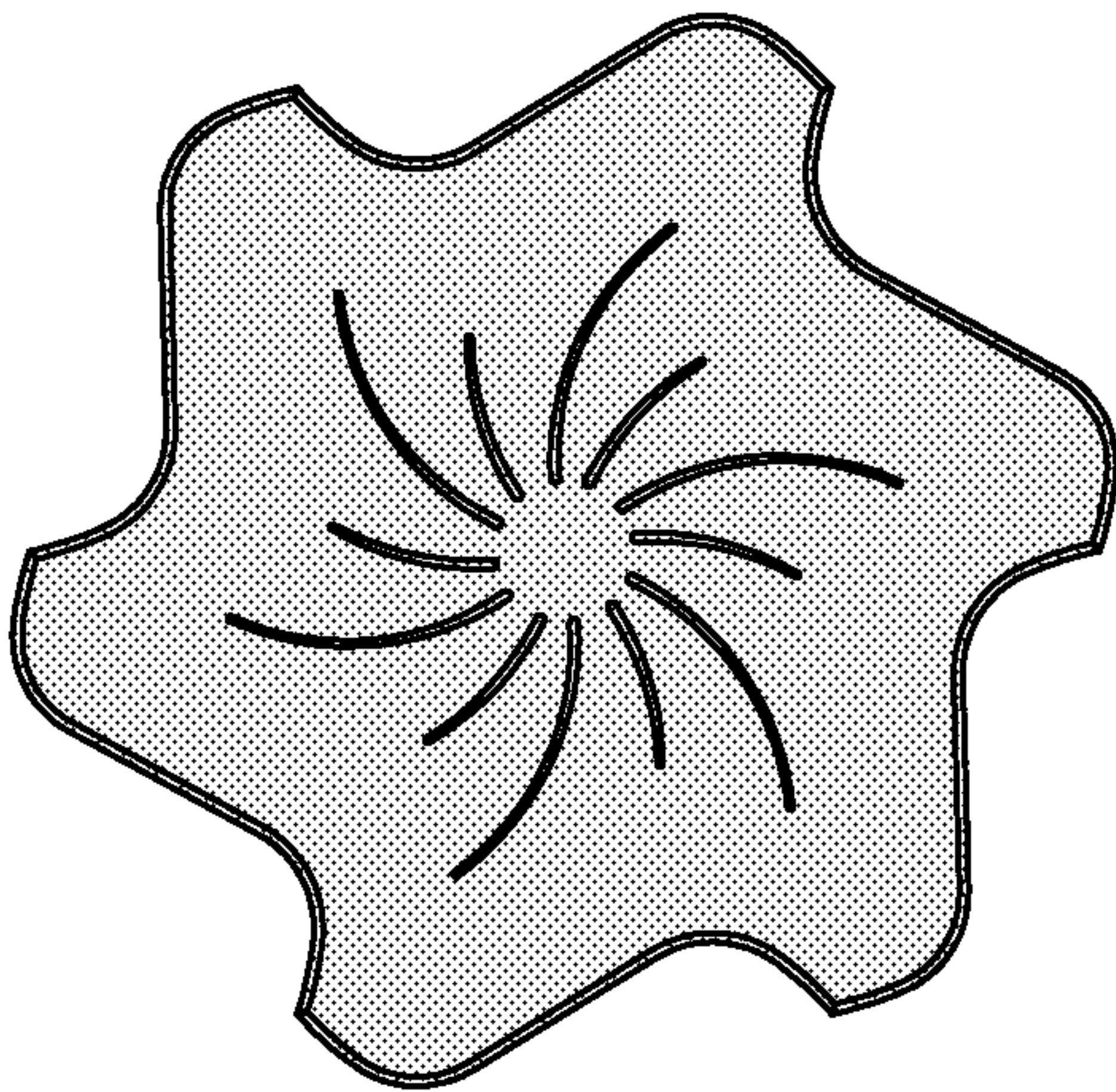


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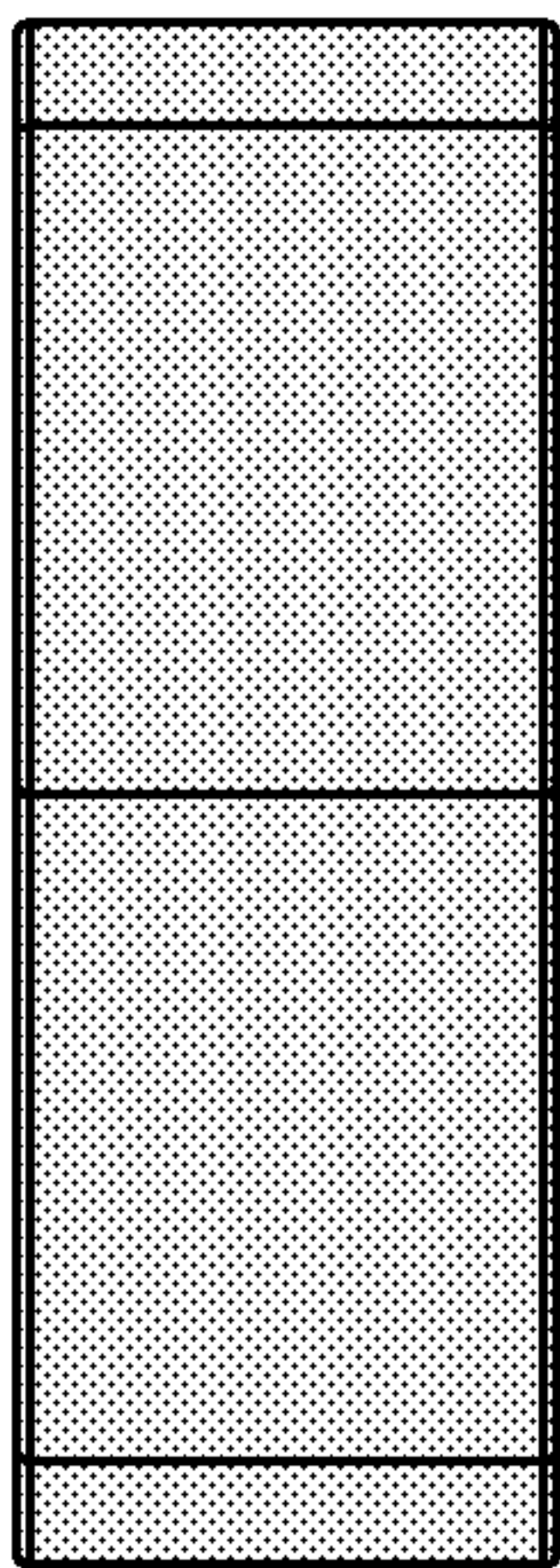


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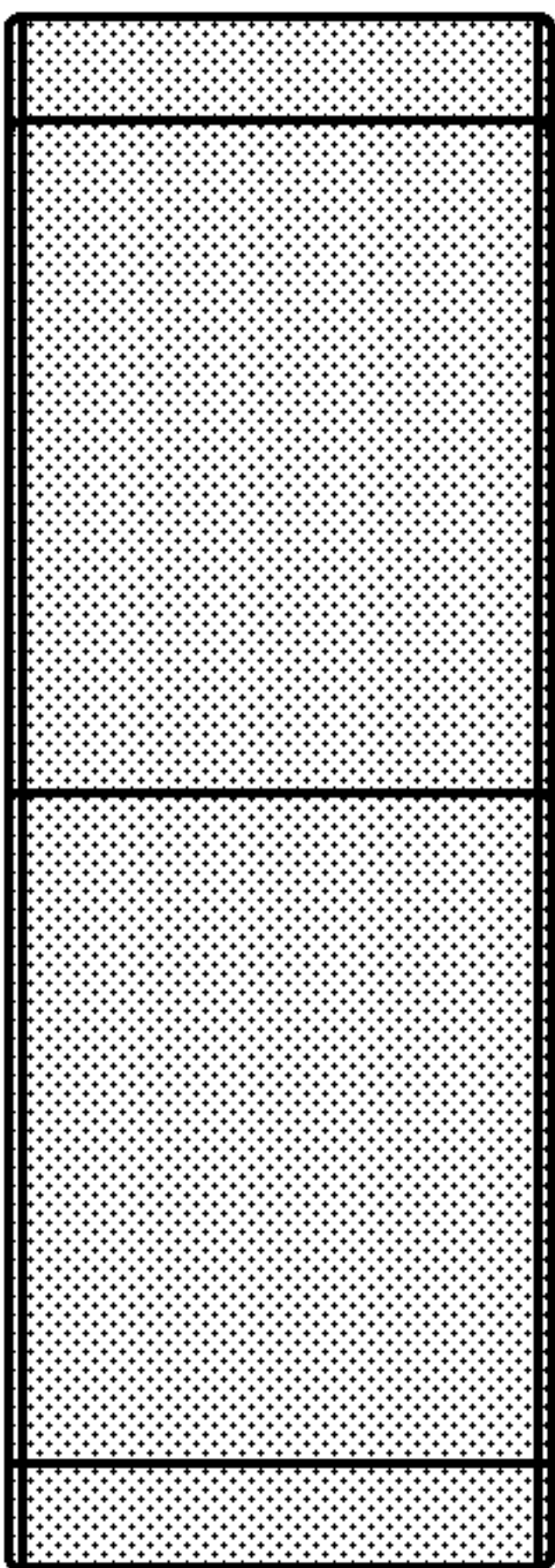


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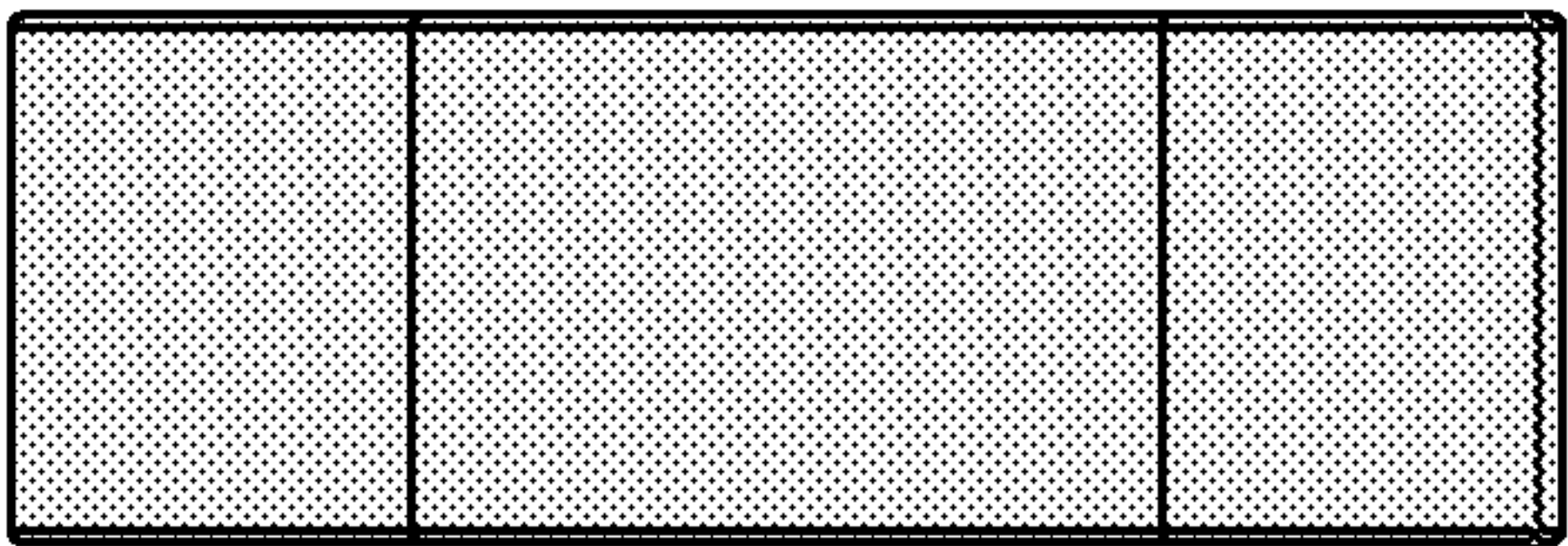


Fig. 34

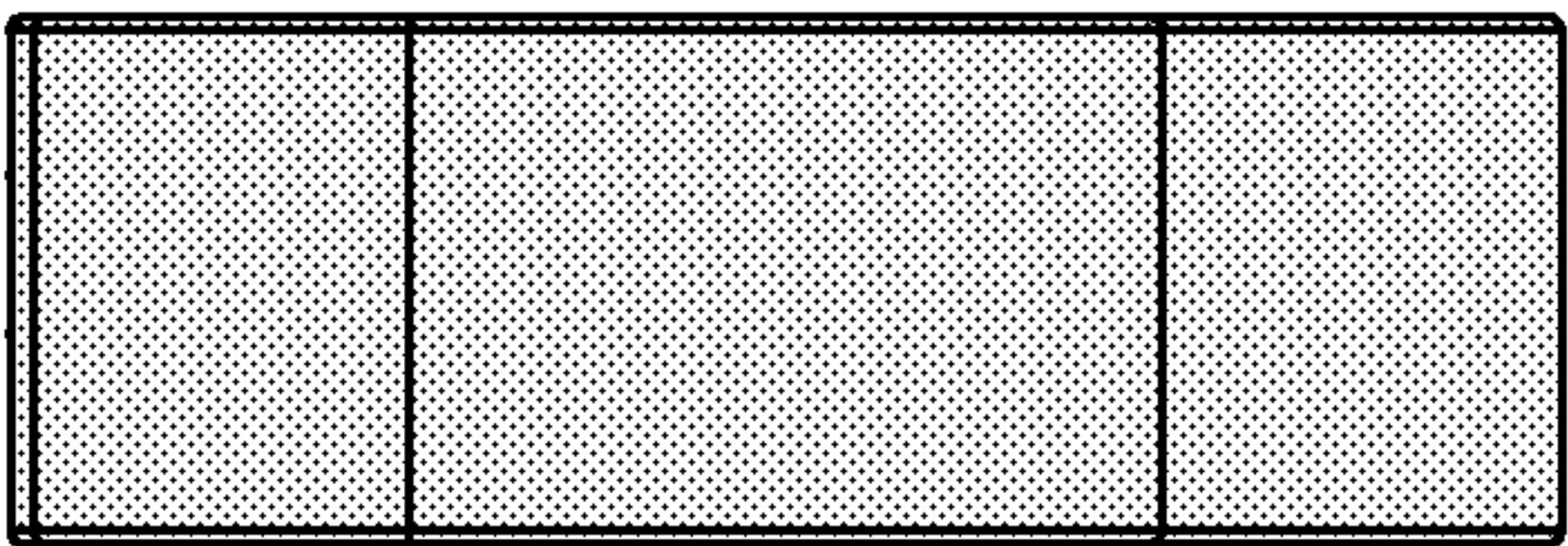


Fig. 35

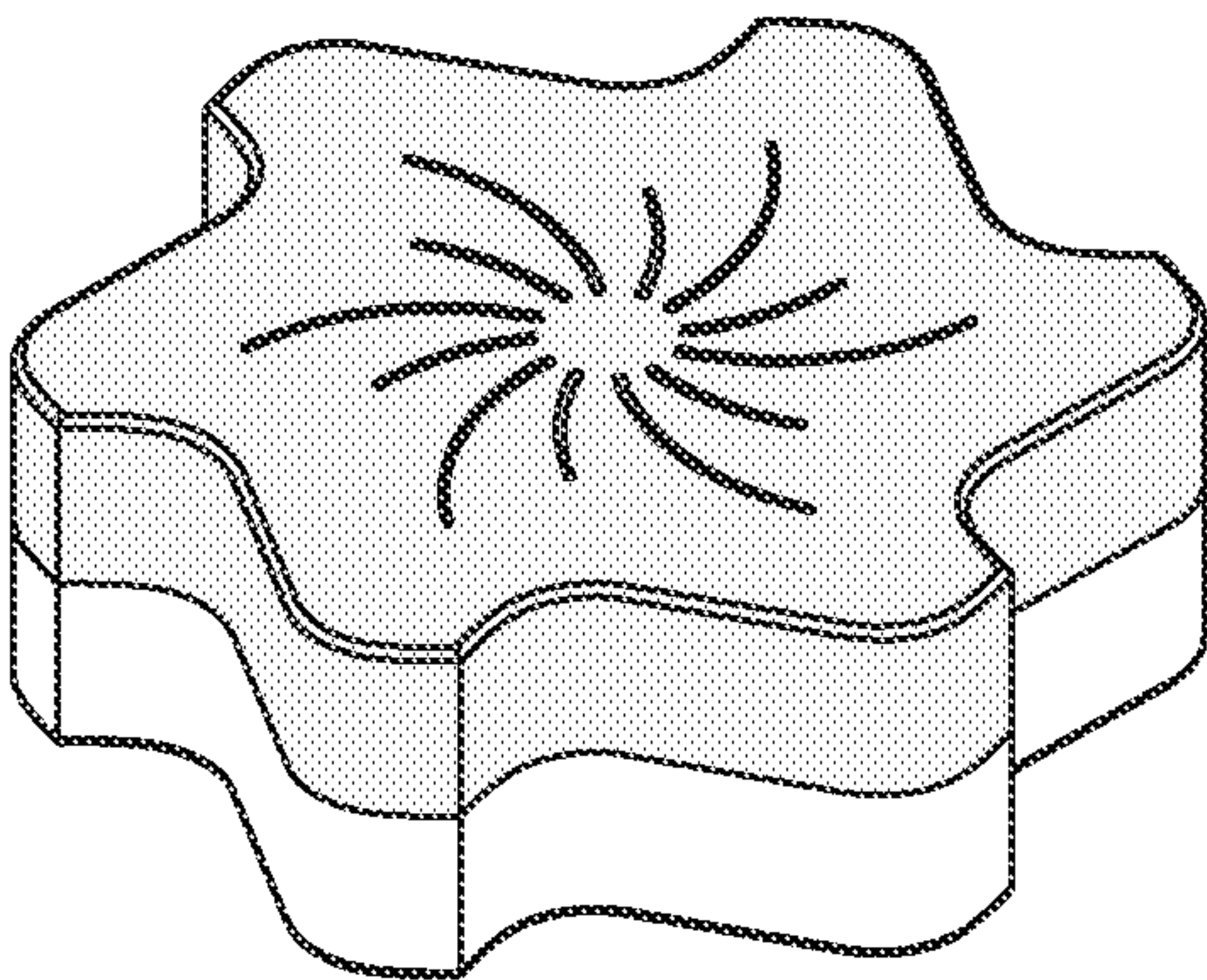


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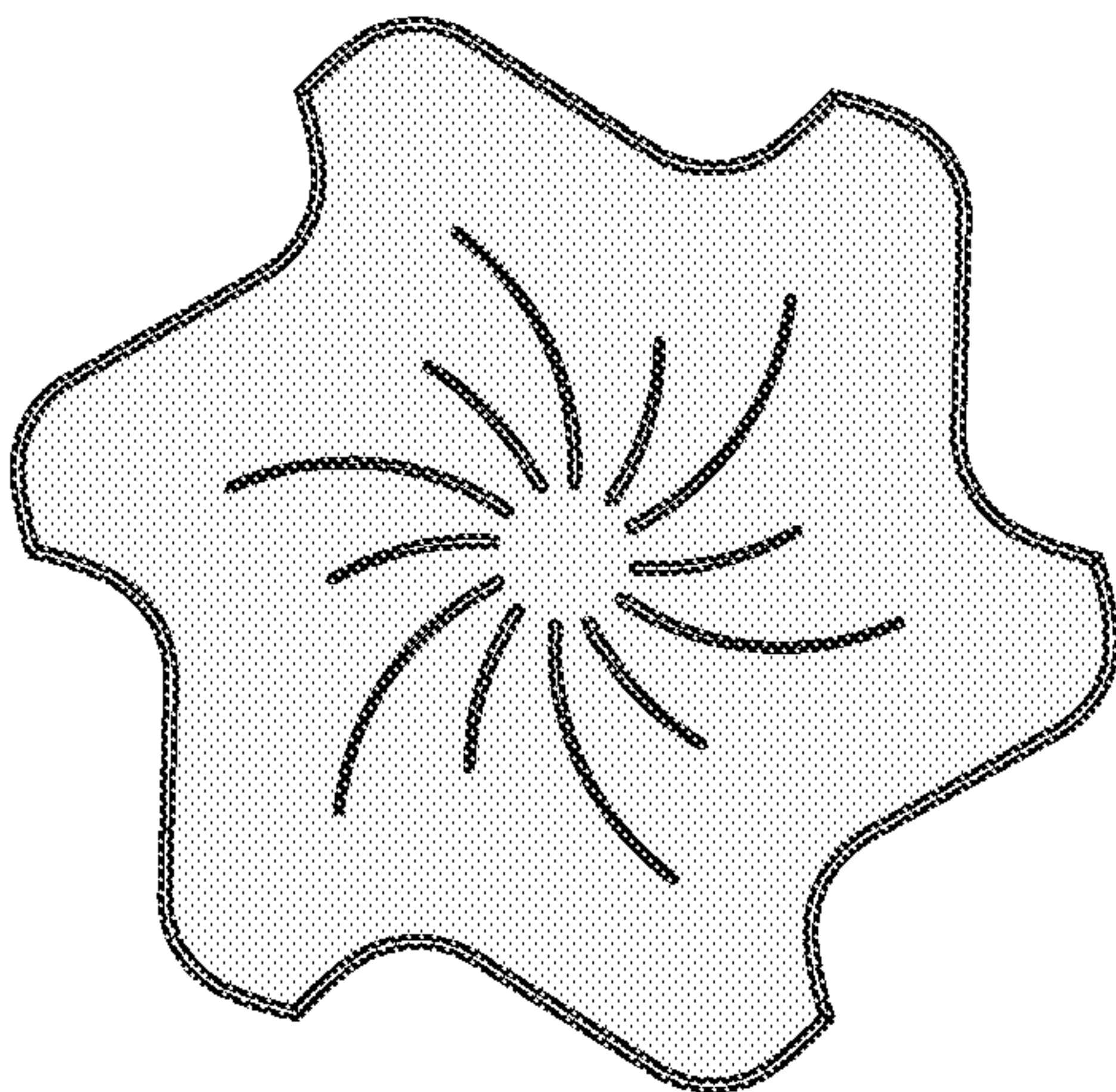


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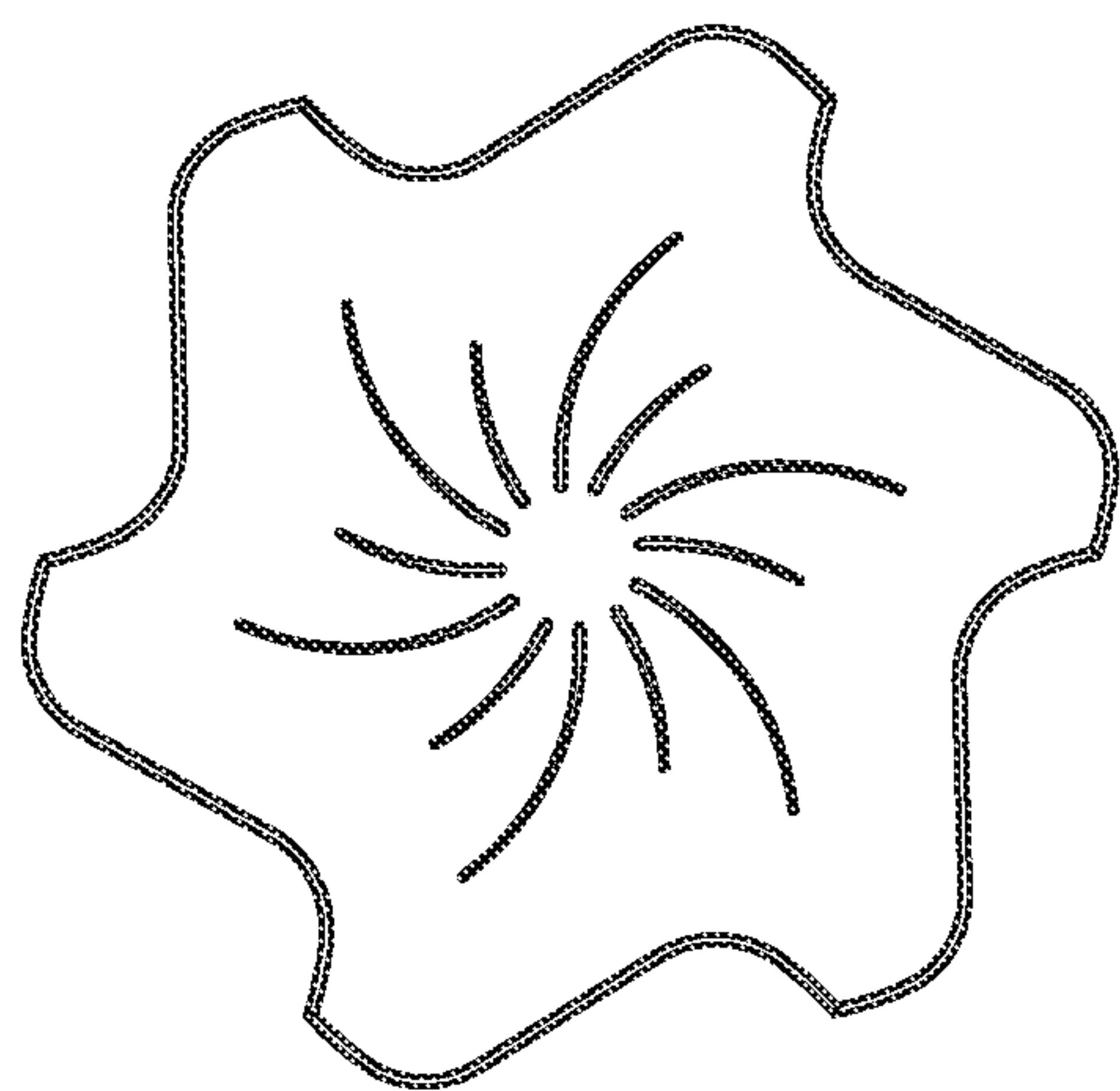


Fig. 38

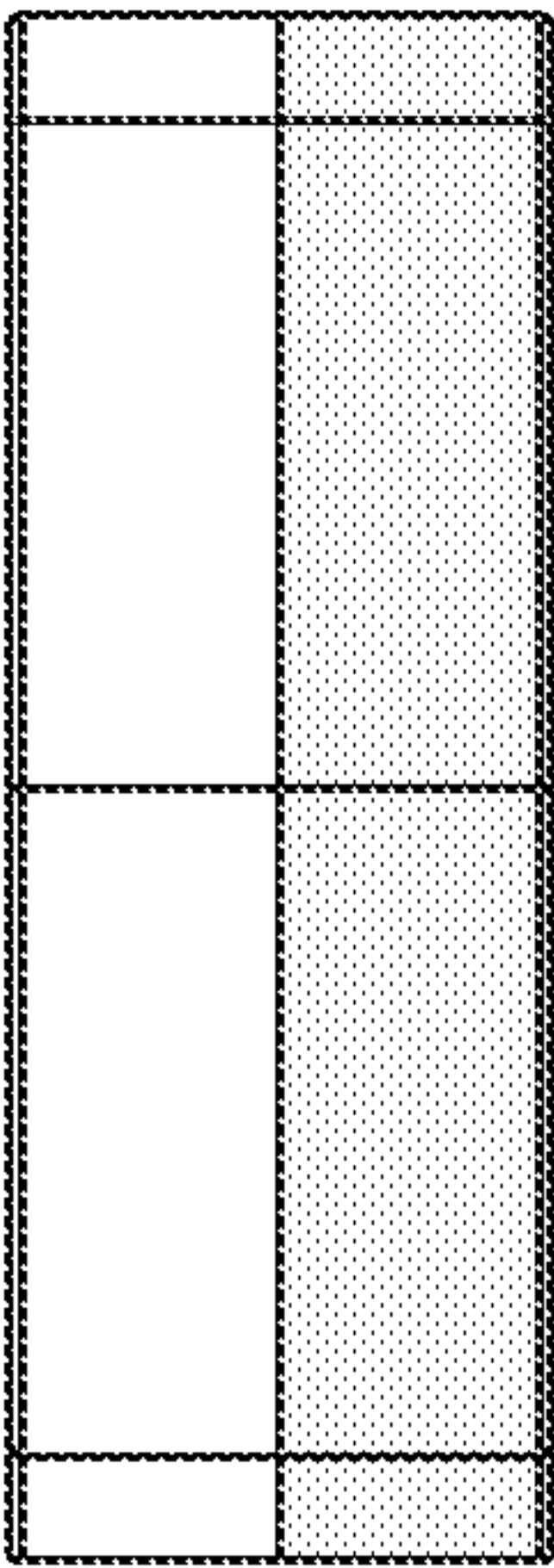


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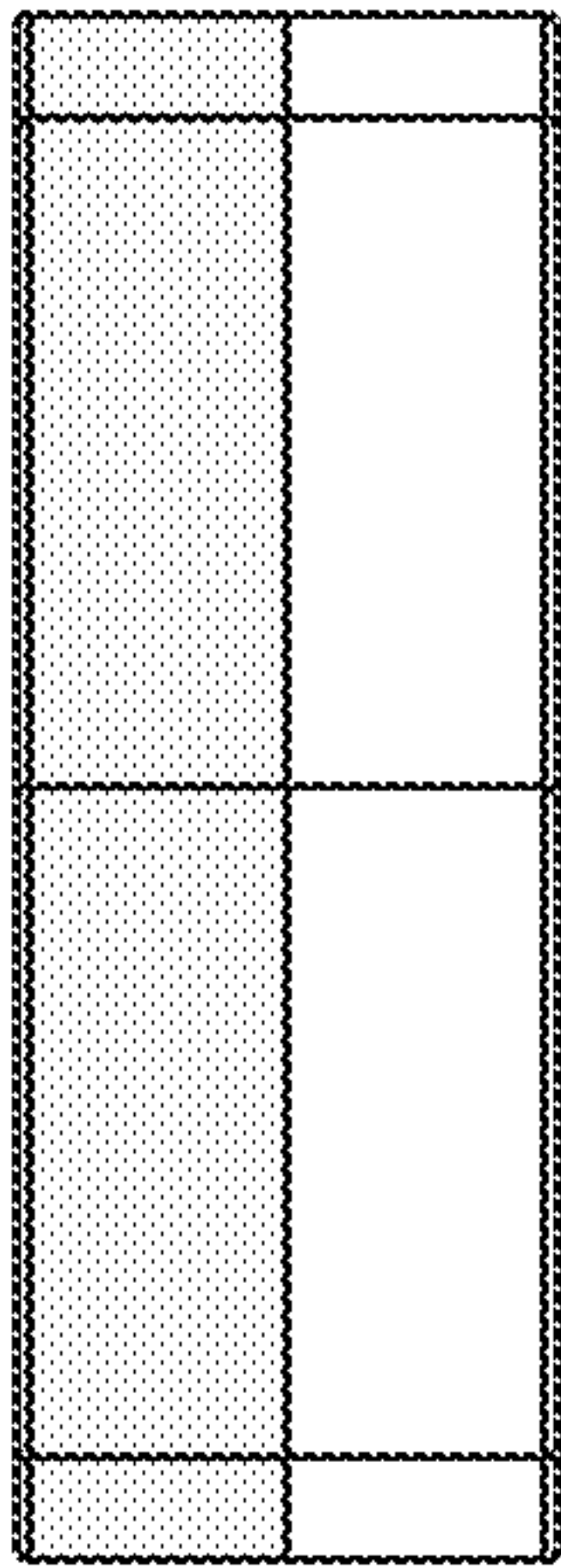


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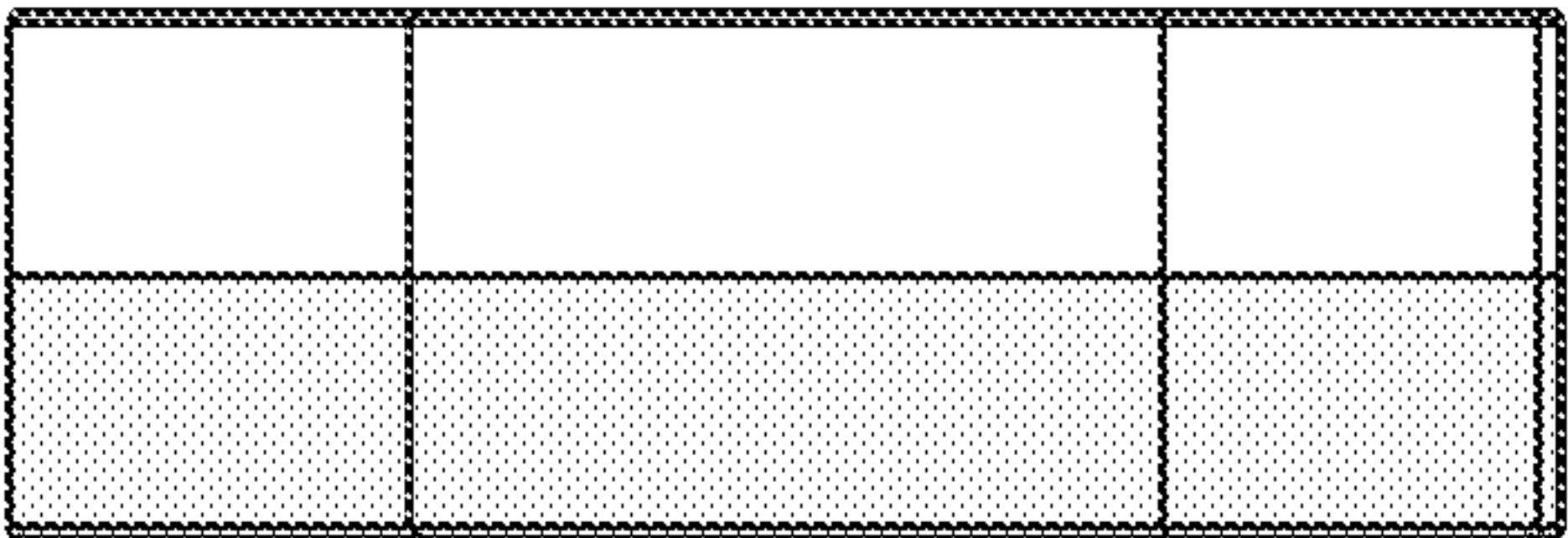


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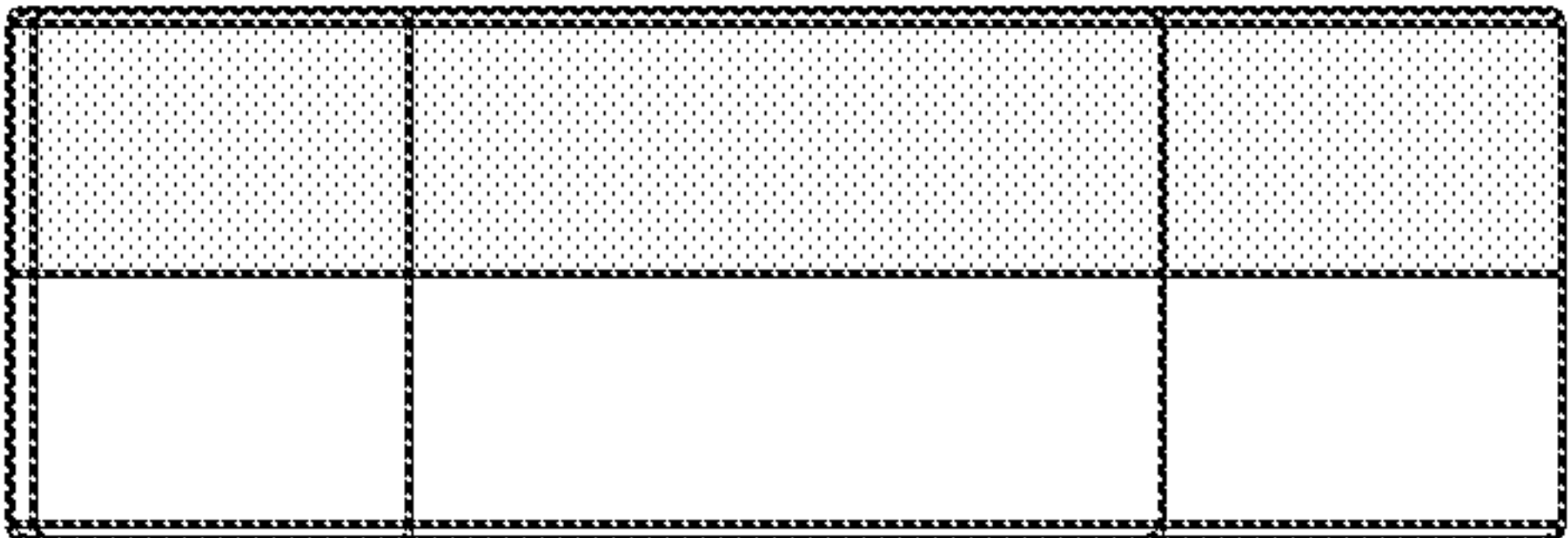


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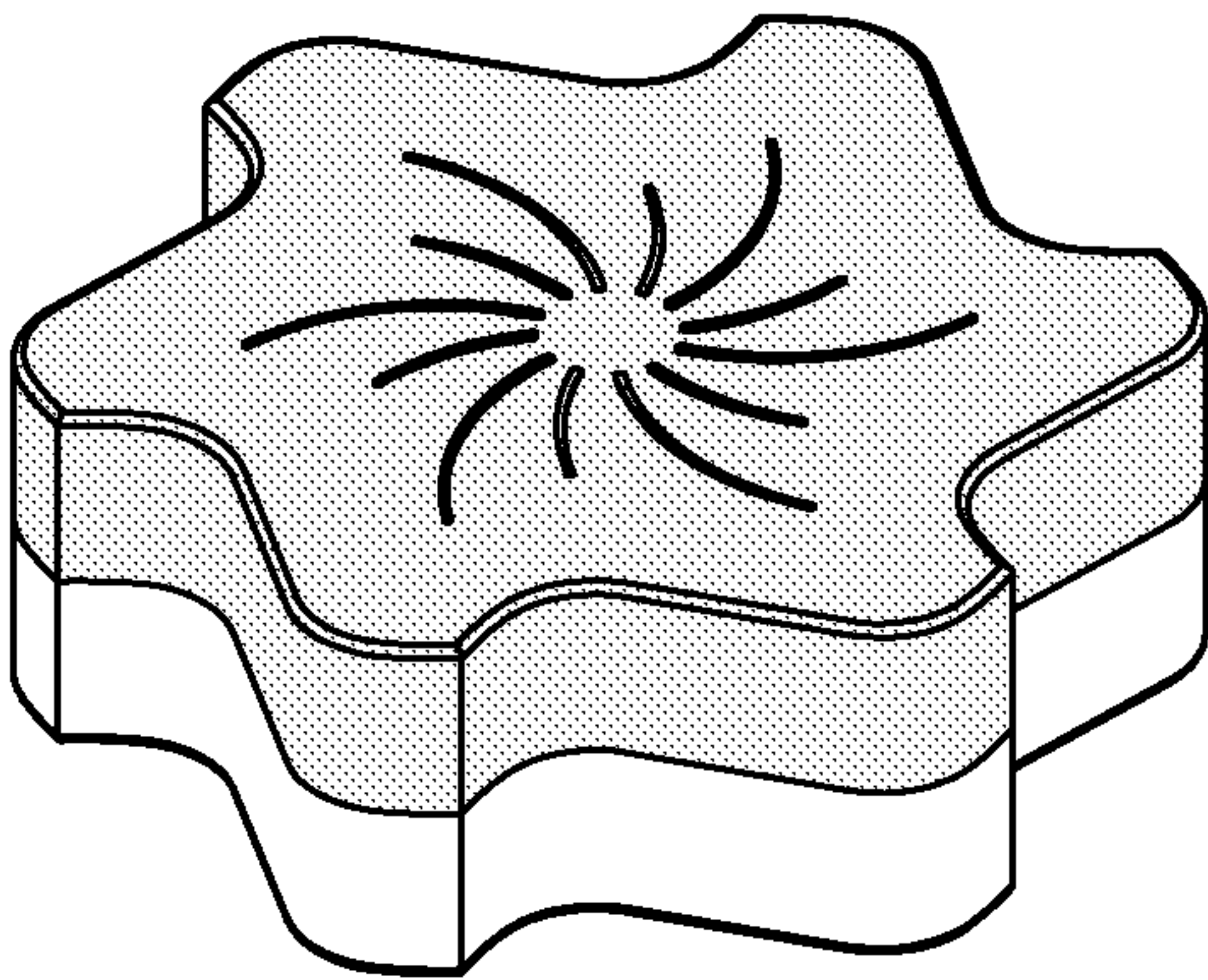


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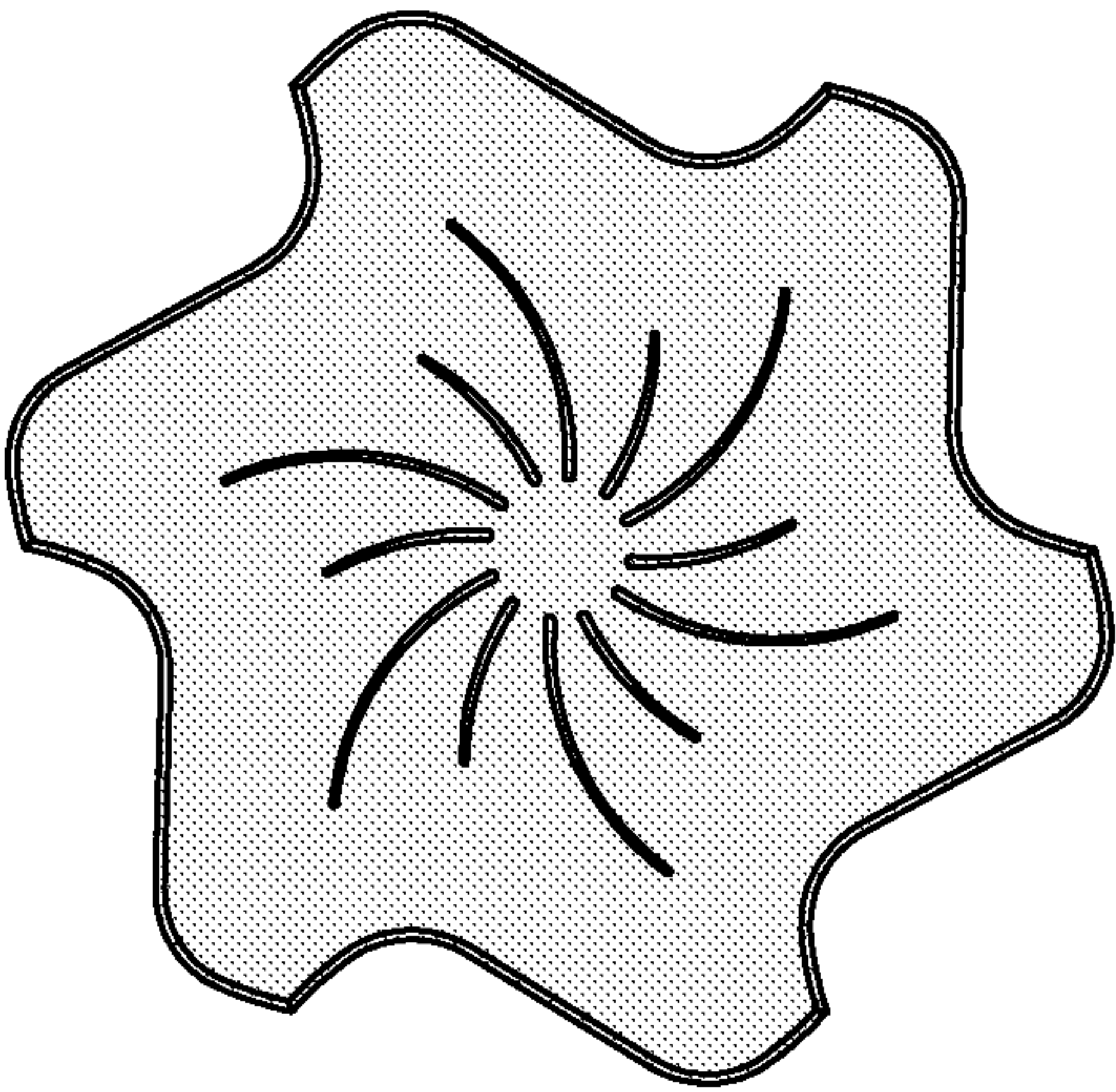


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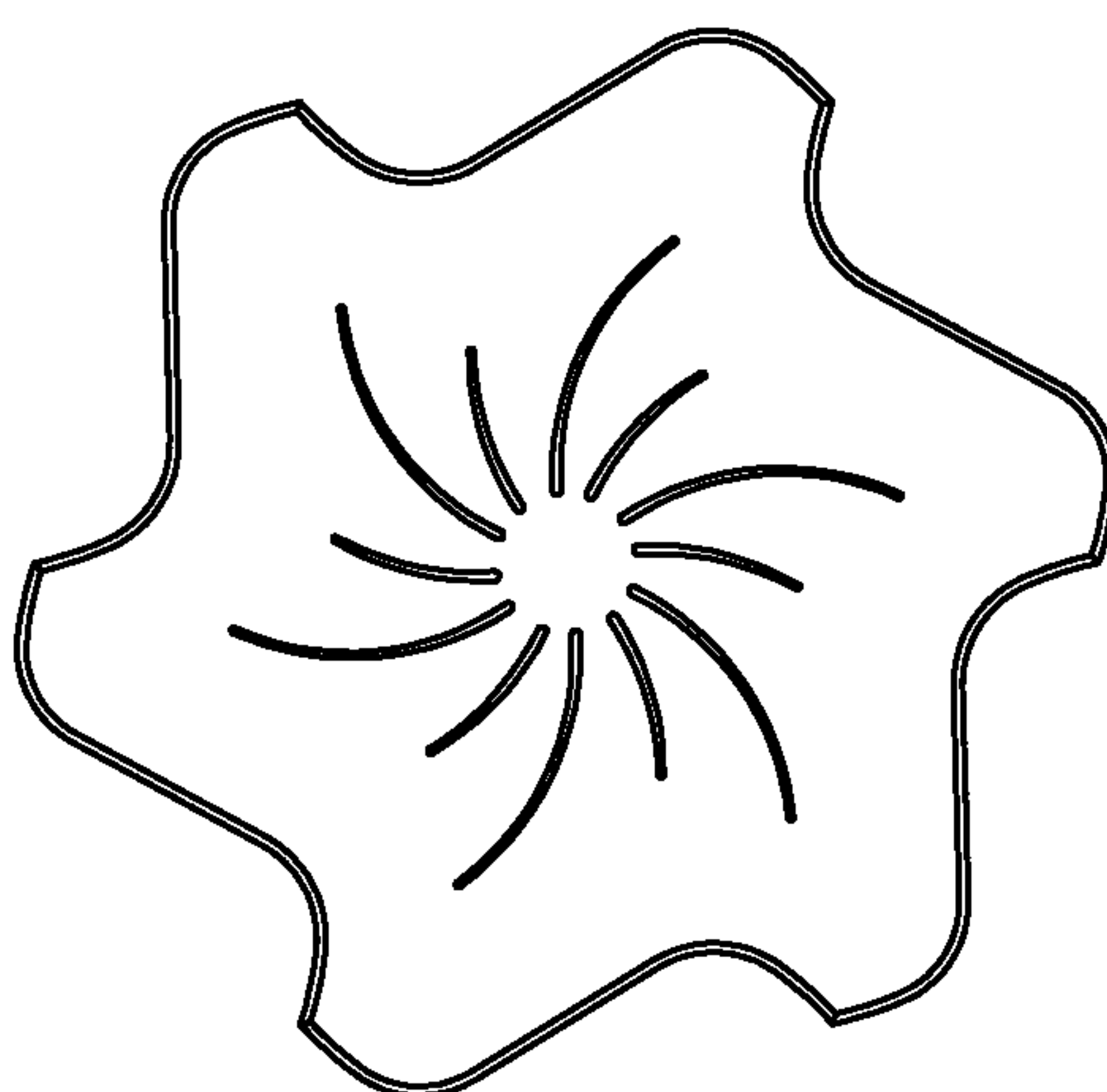


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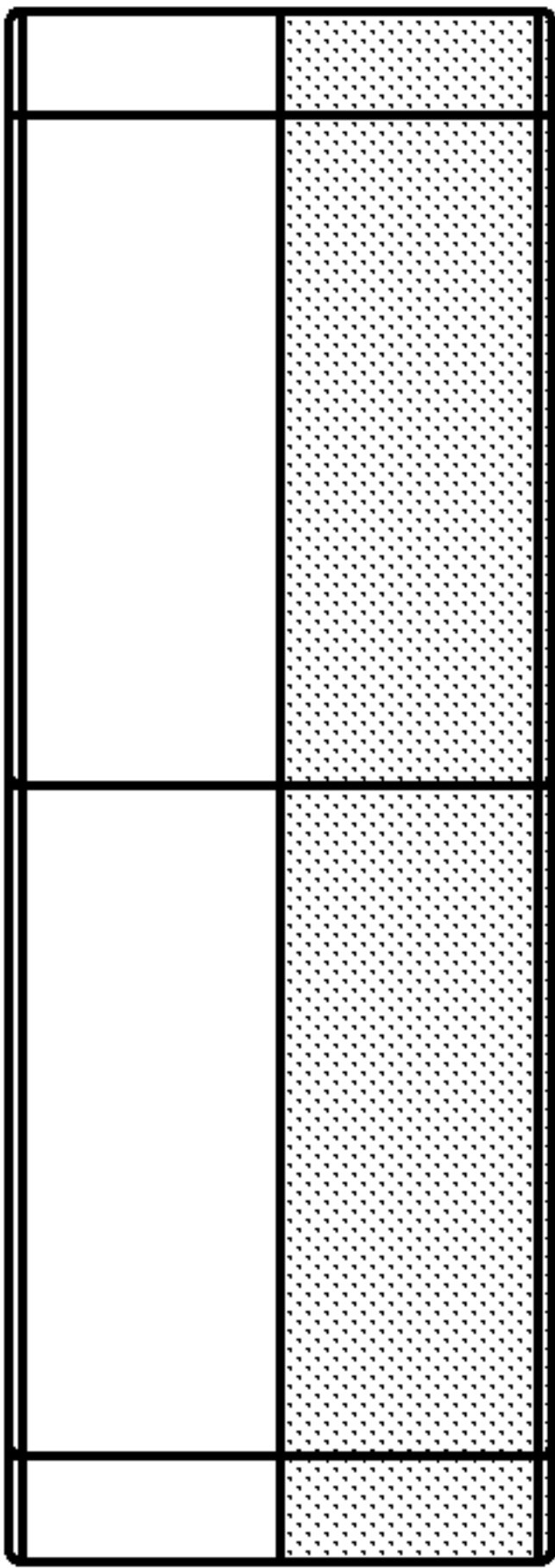


Fig. 46

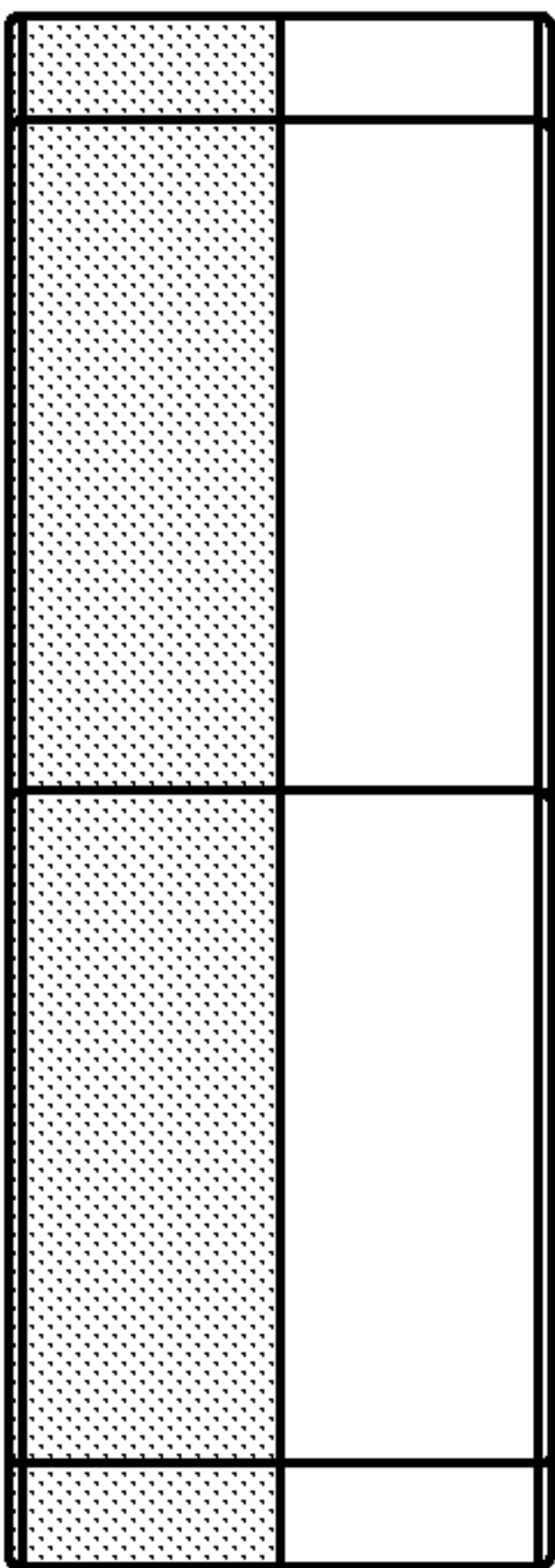


Fig. 47

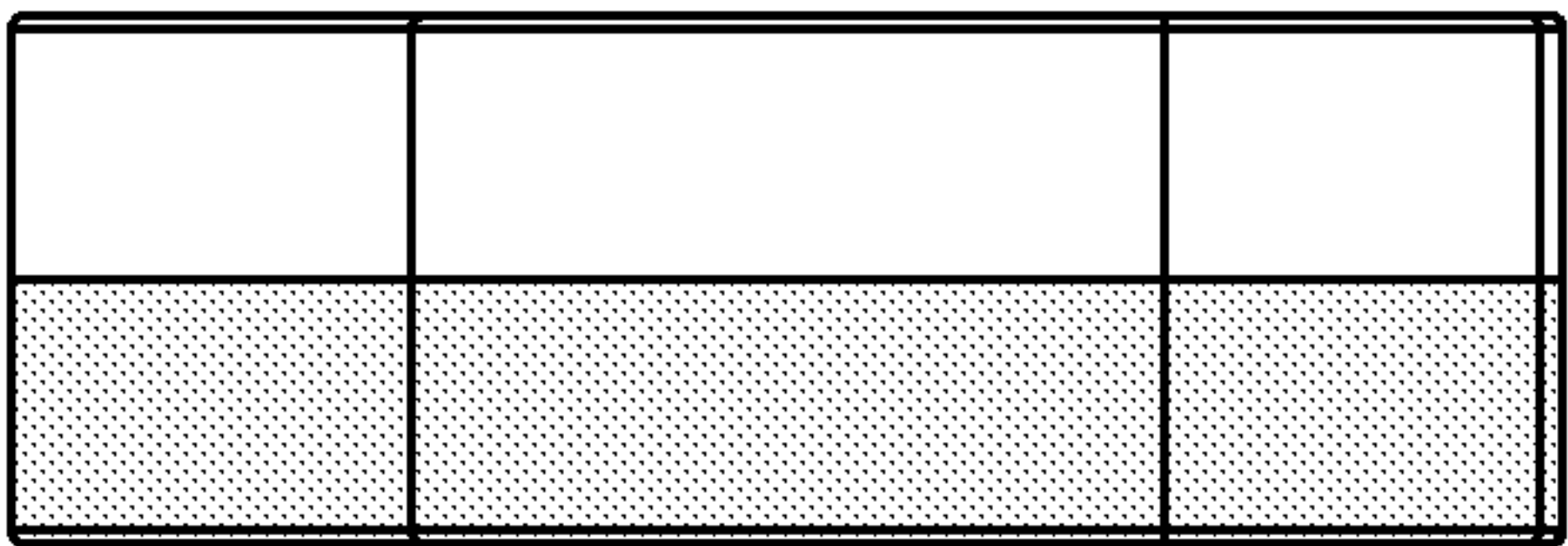


Fig. 48



Fig. 49

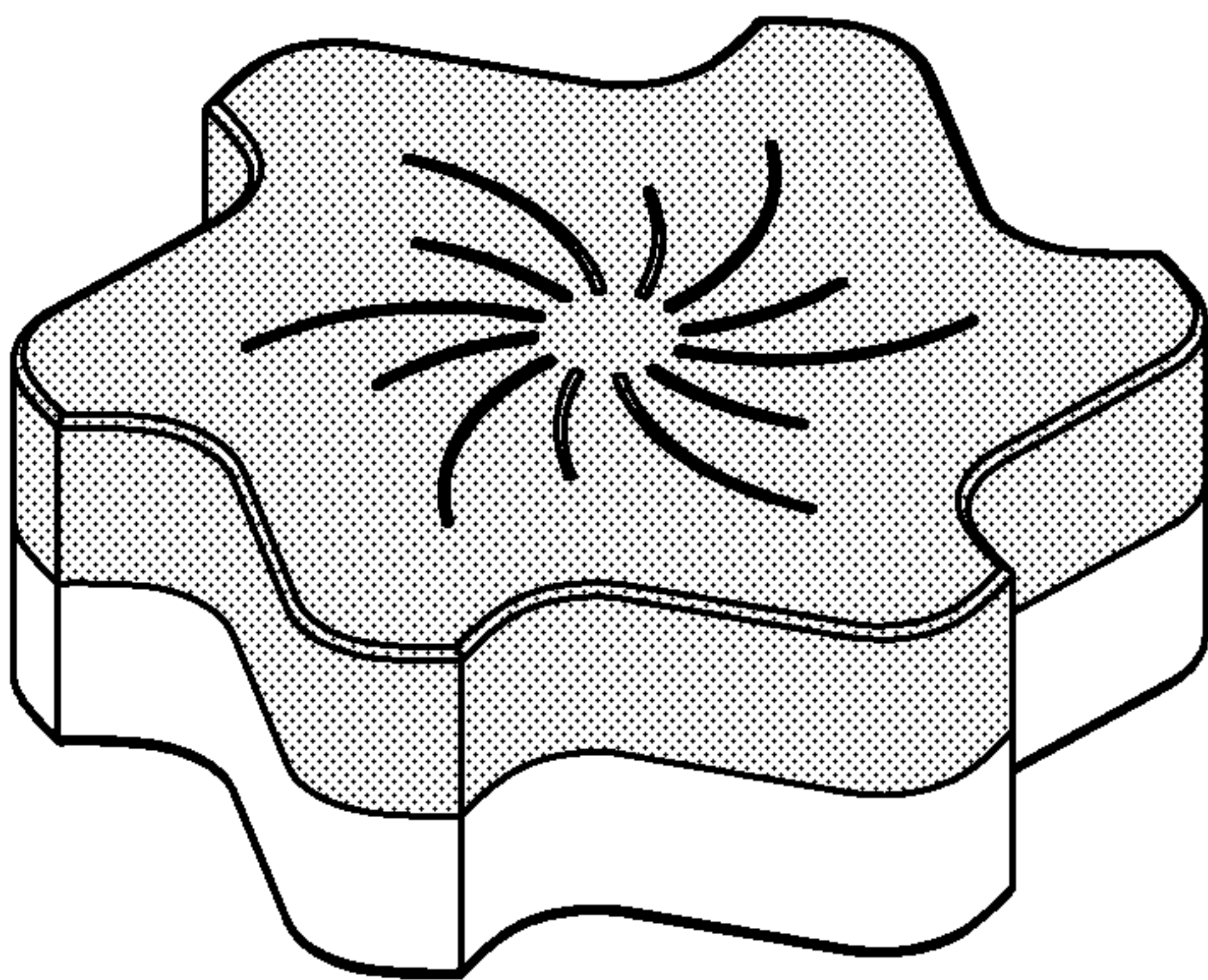


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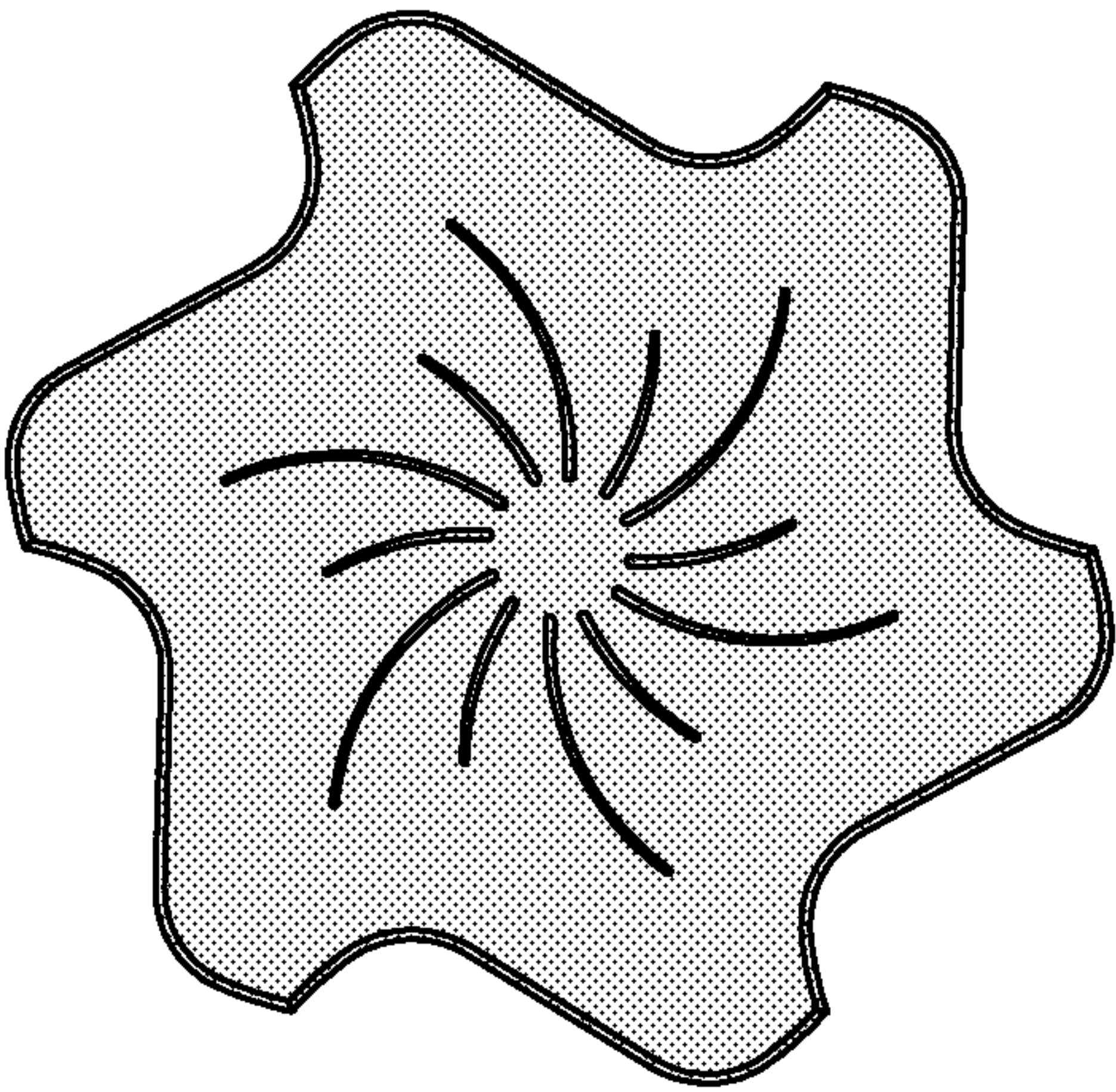


Fig. 51

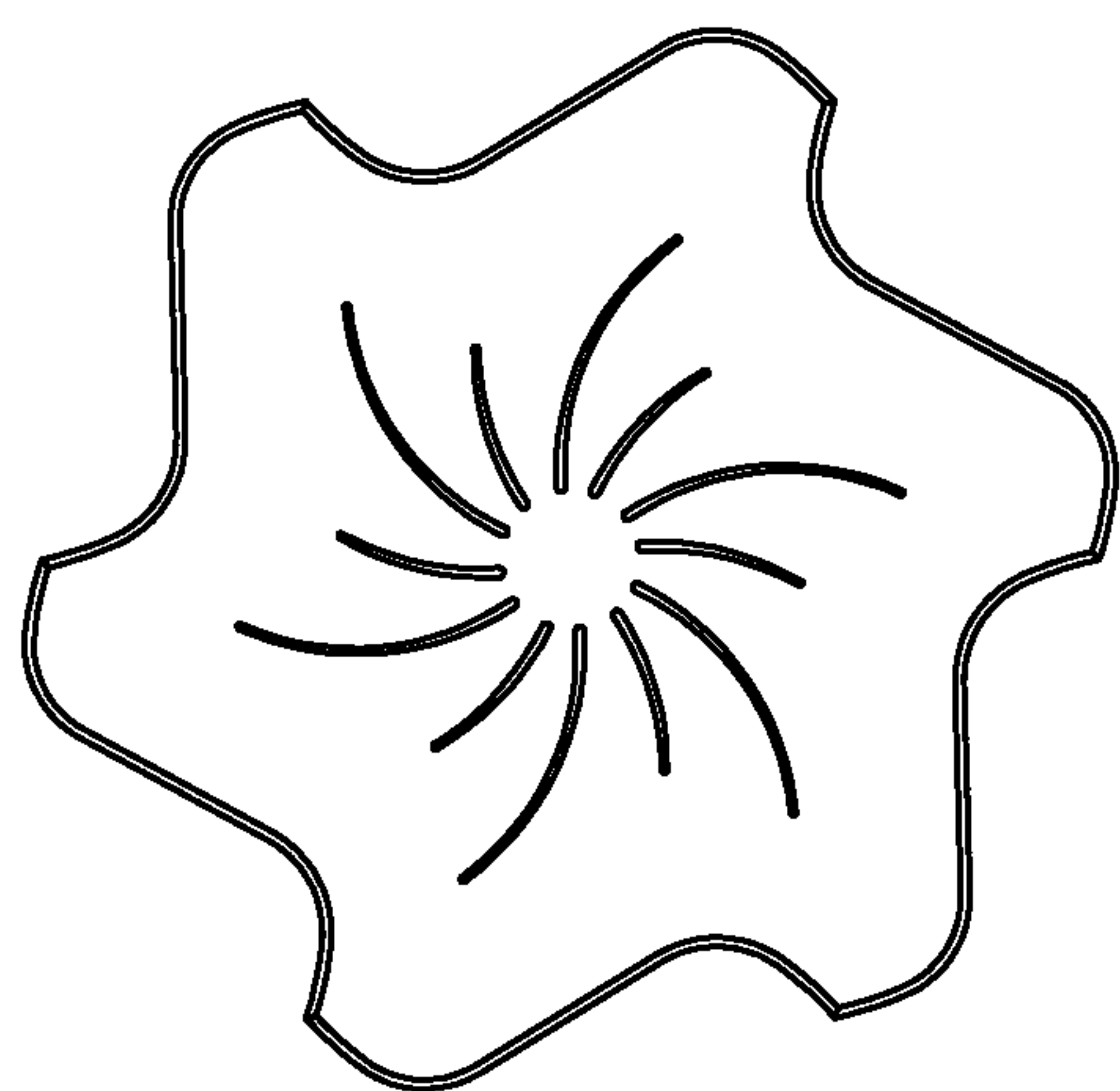


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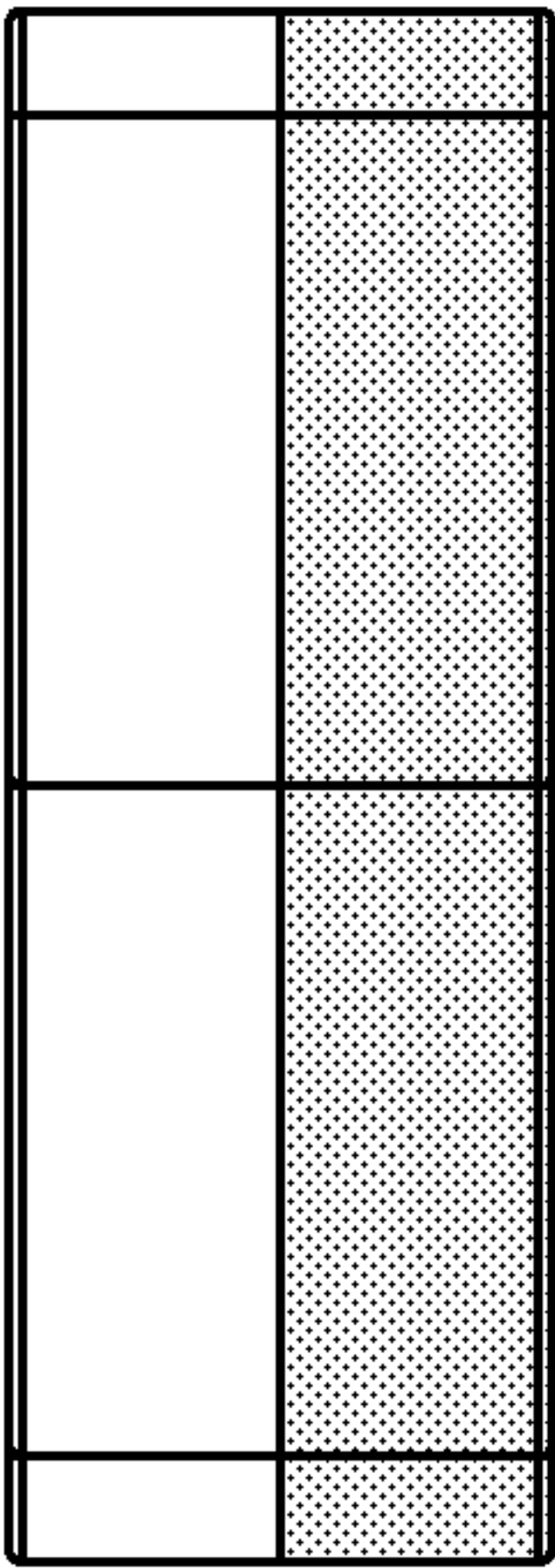


Fig. 53

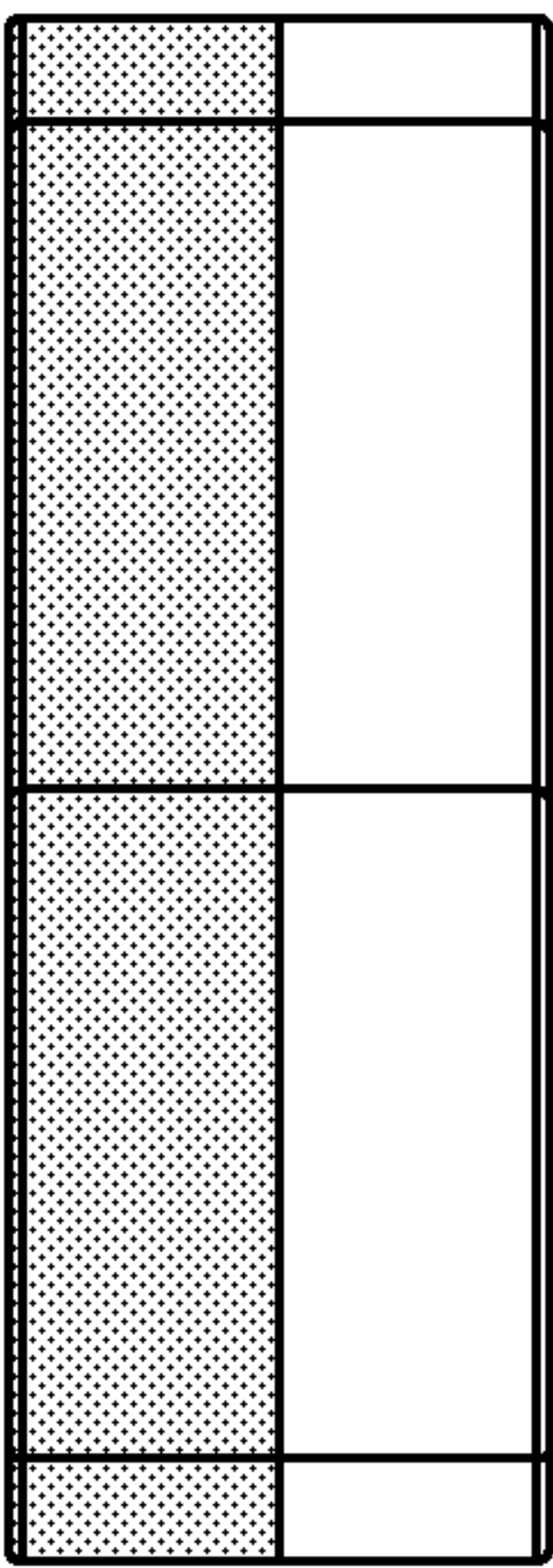


Fig. 54

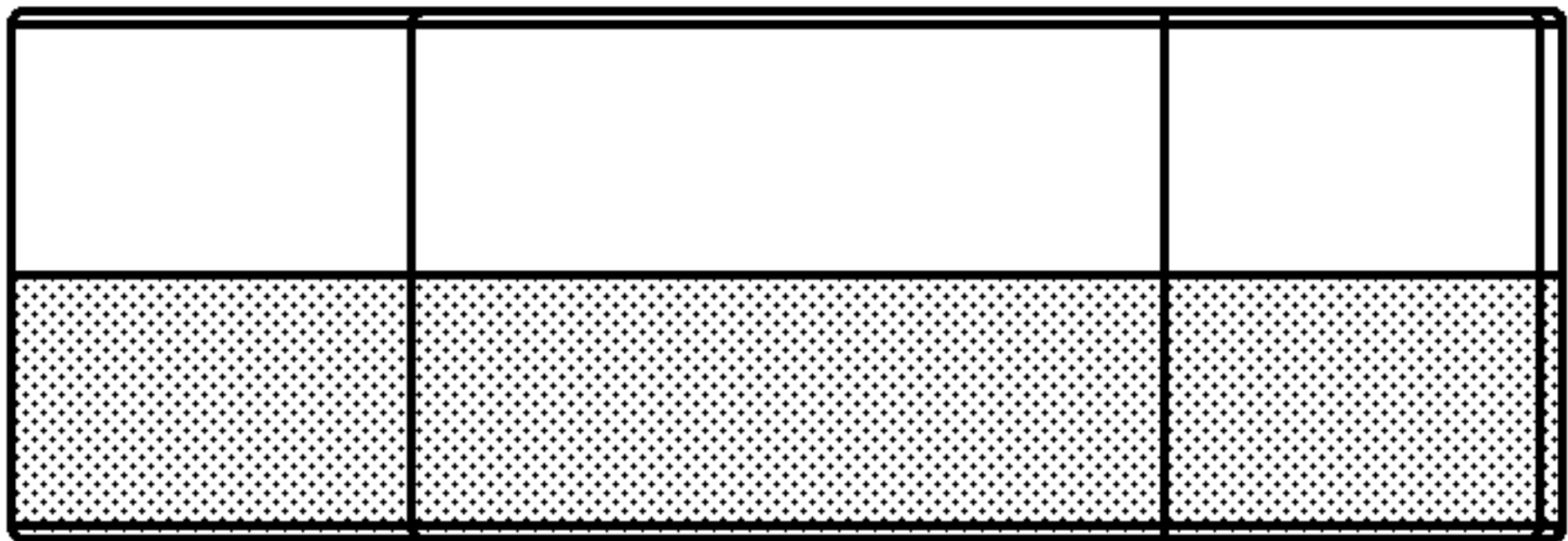


Fig. 55

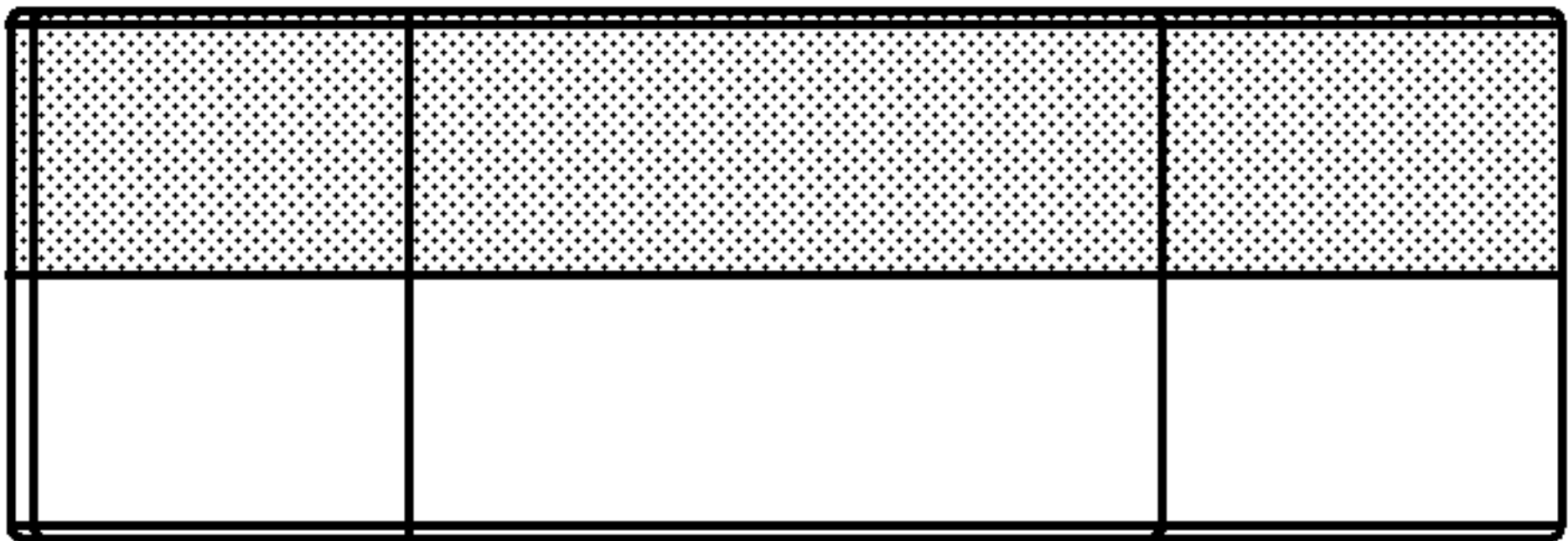


Fig. 56

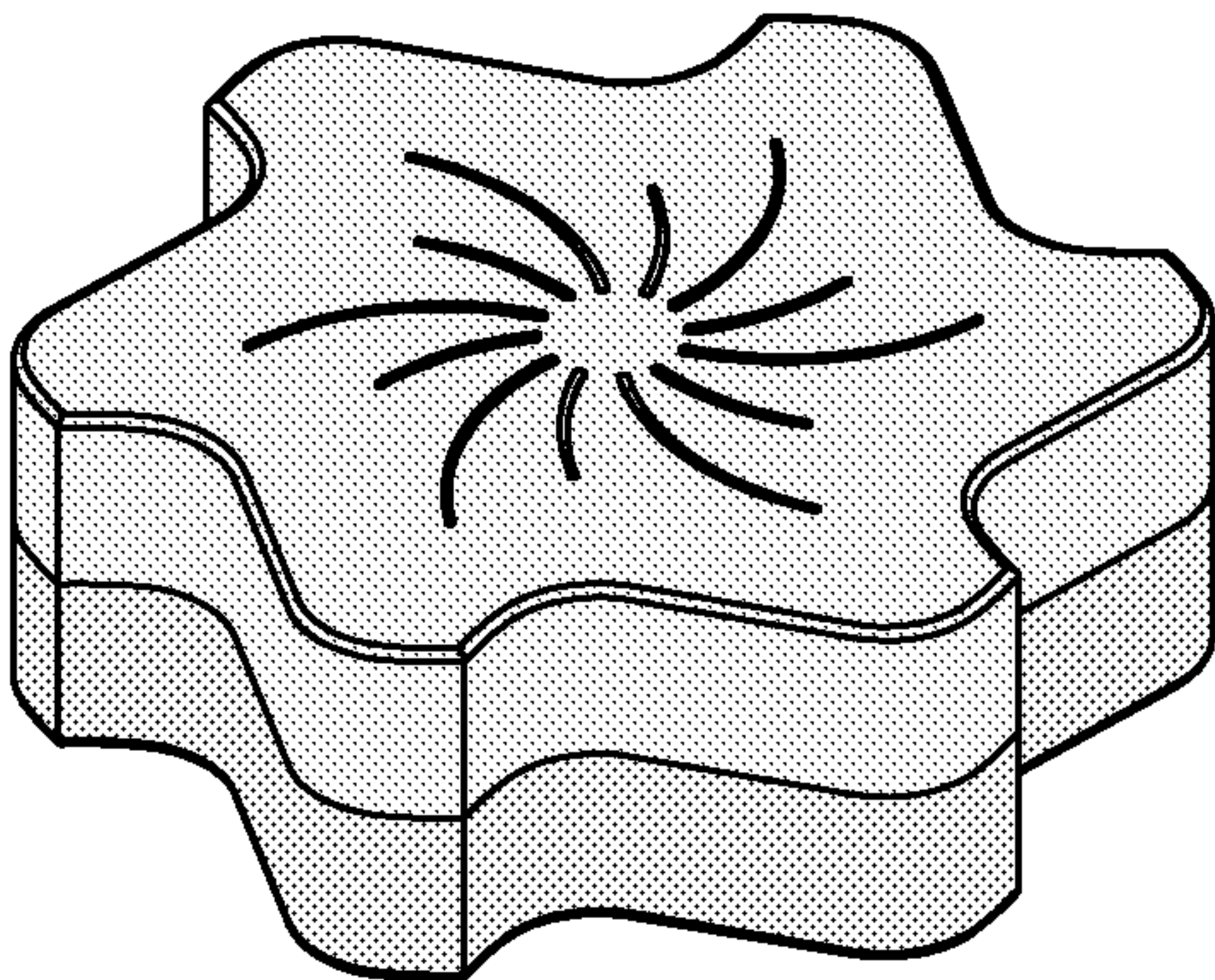


Fig. 57

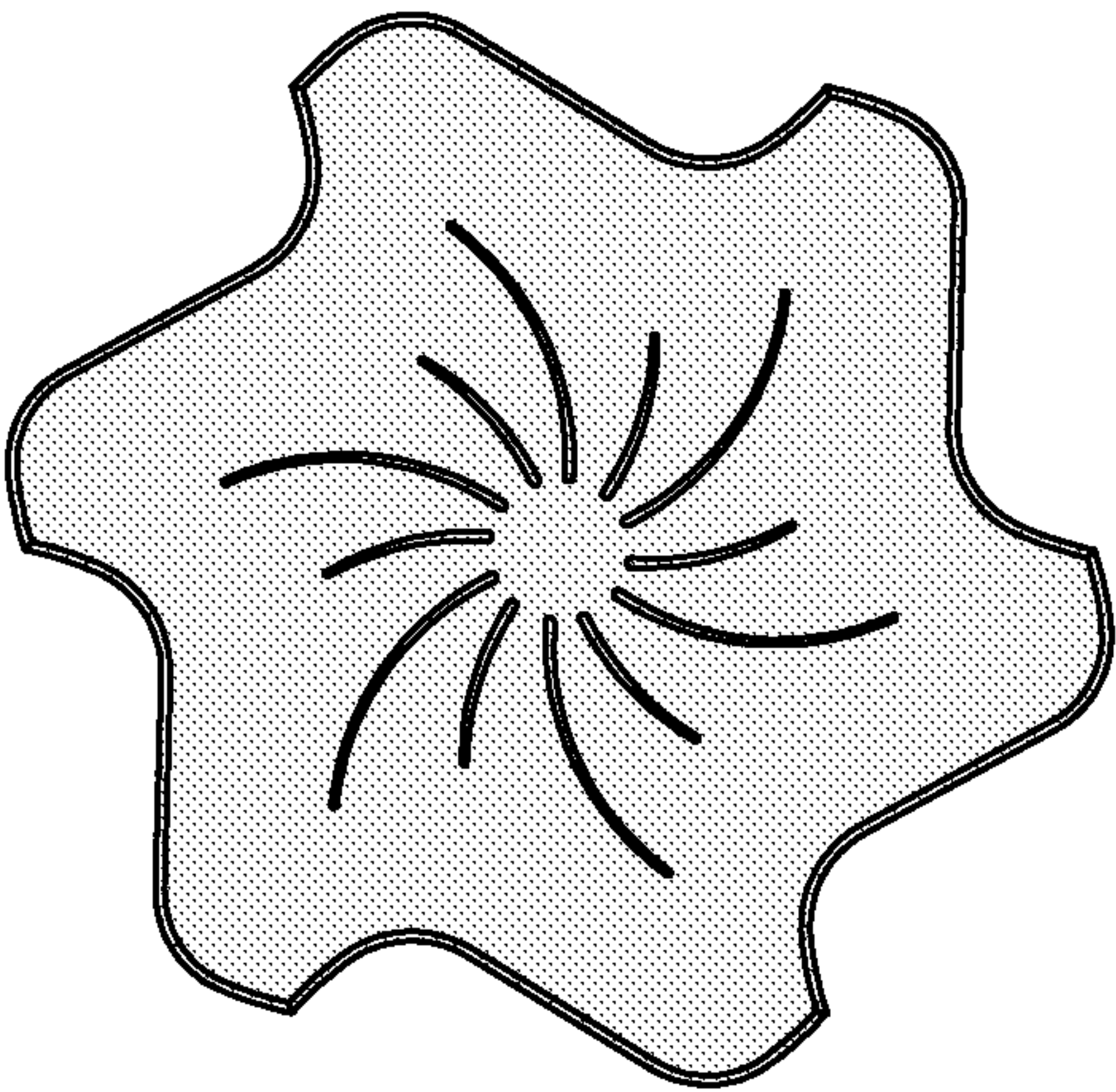


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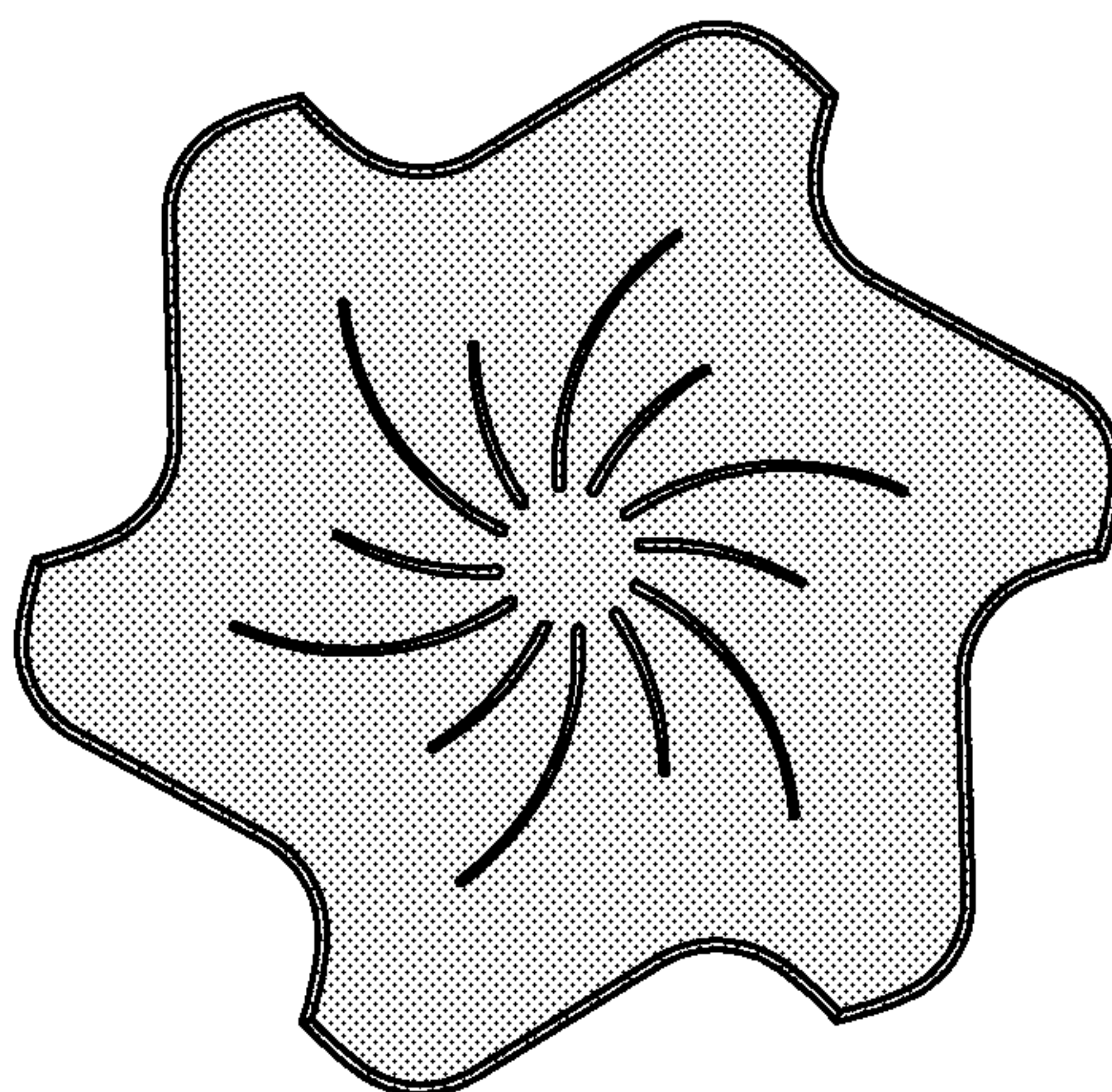


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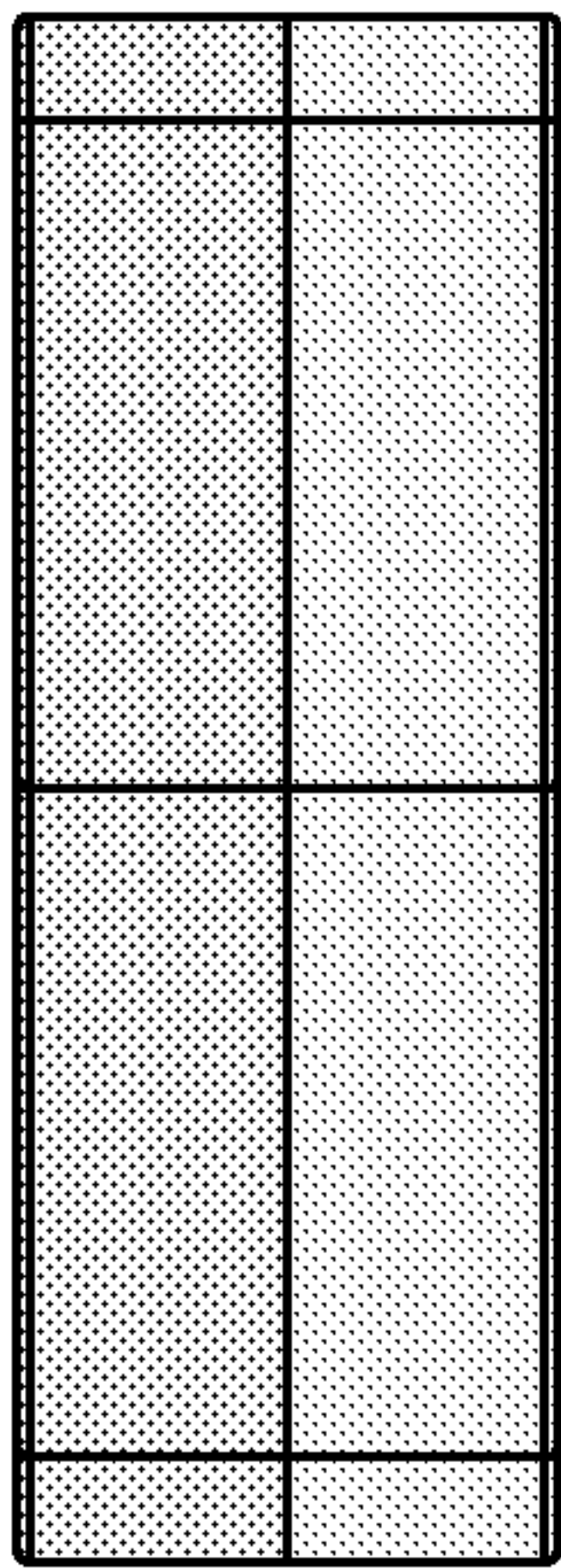


Fig. 60

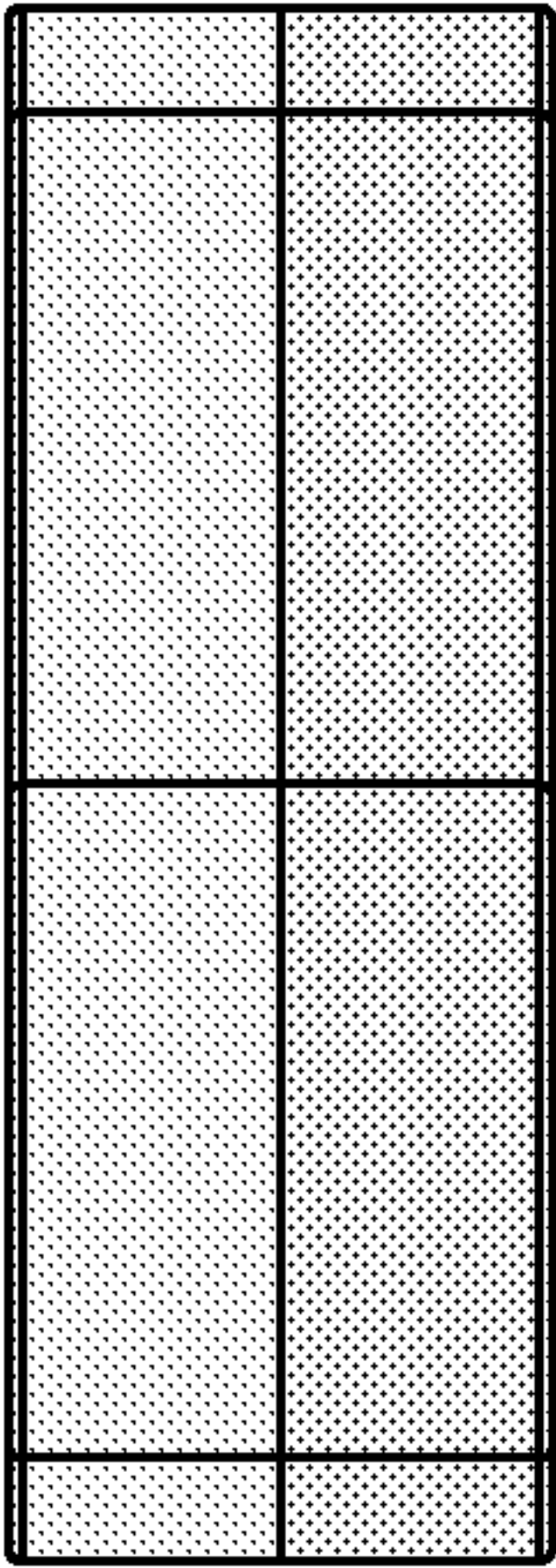


Fig. 61



Fig. 62

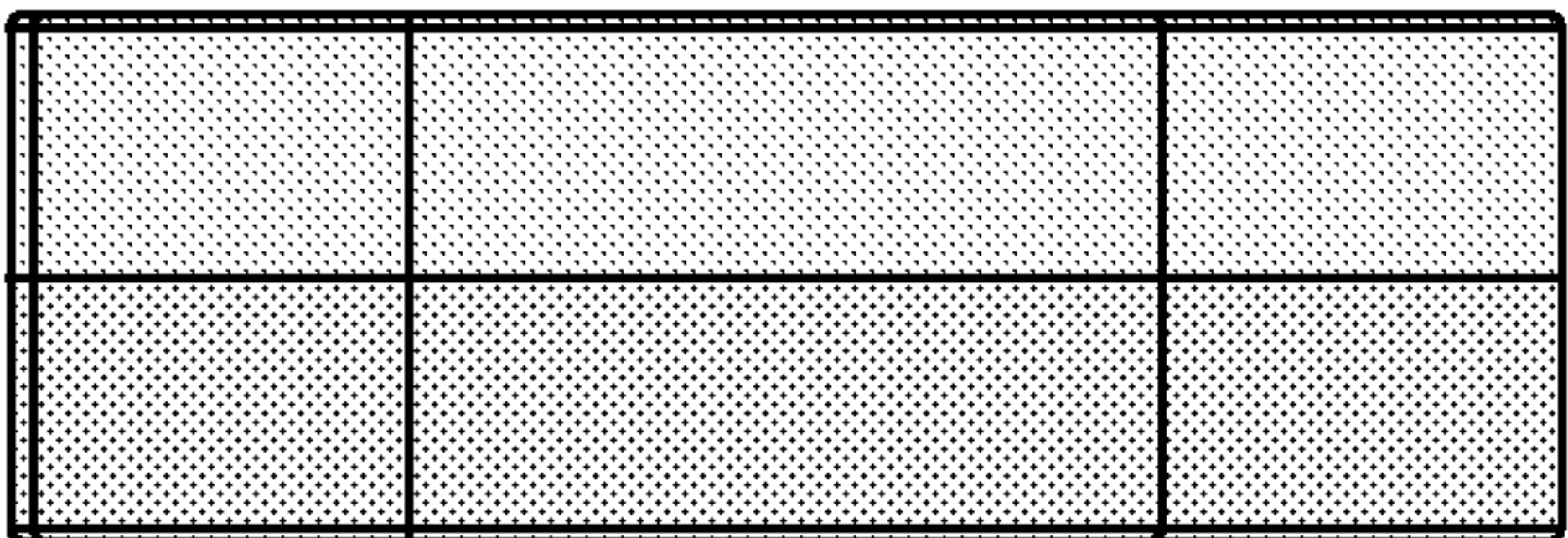


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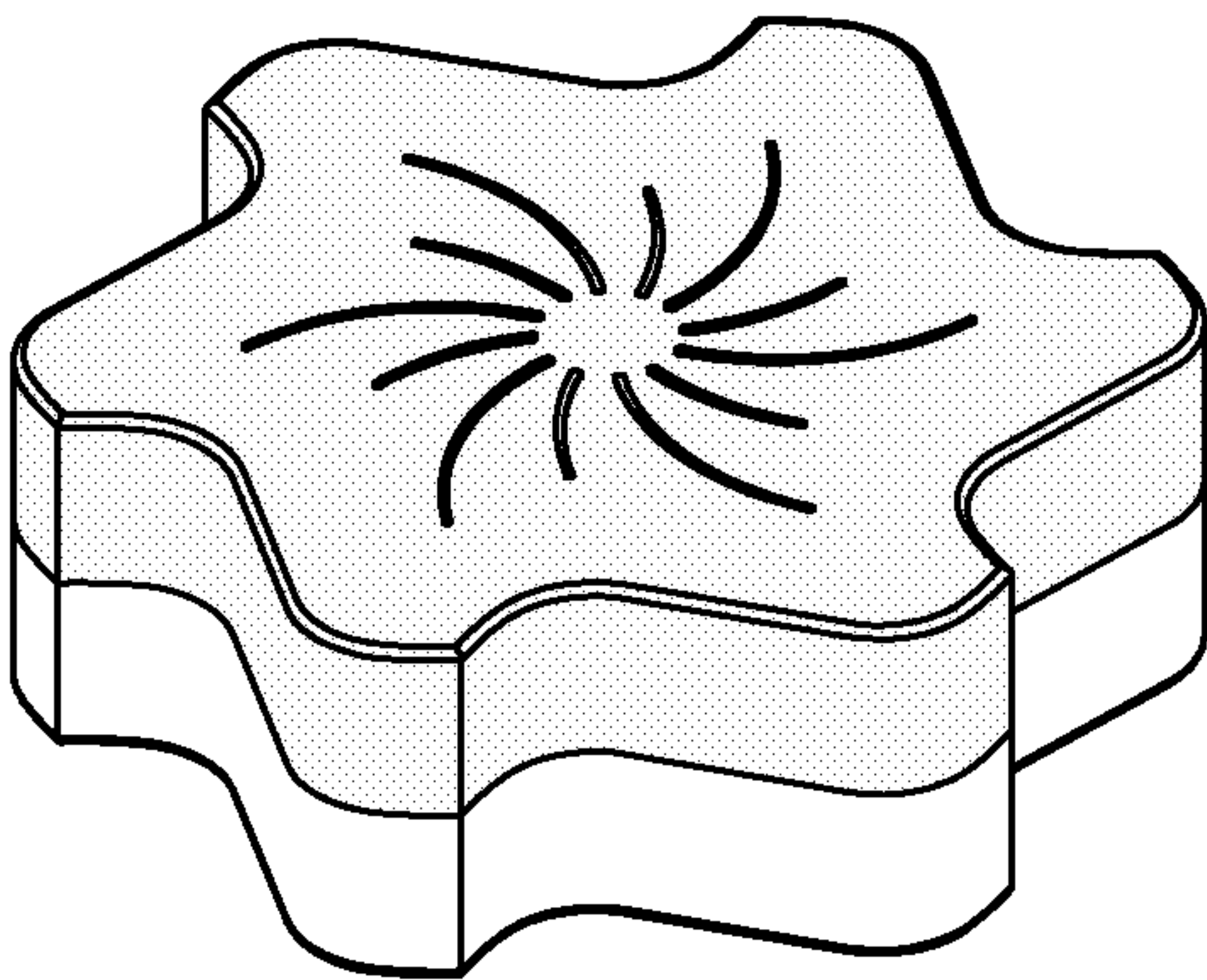


Fig. 64

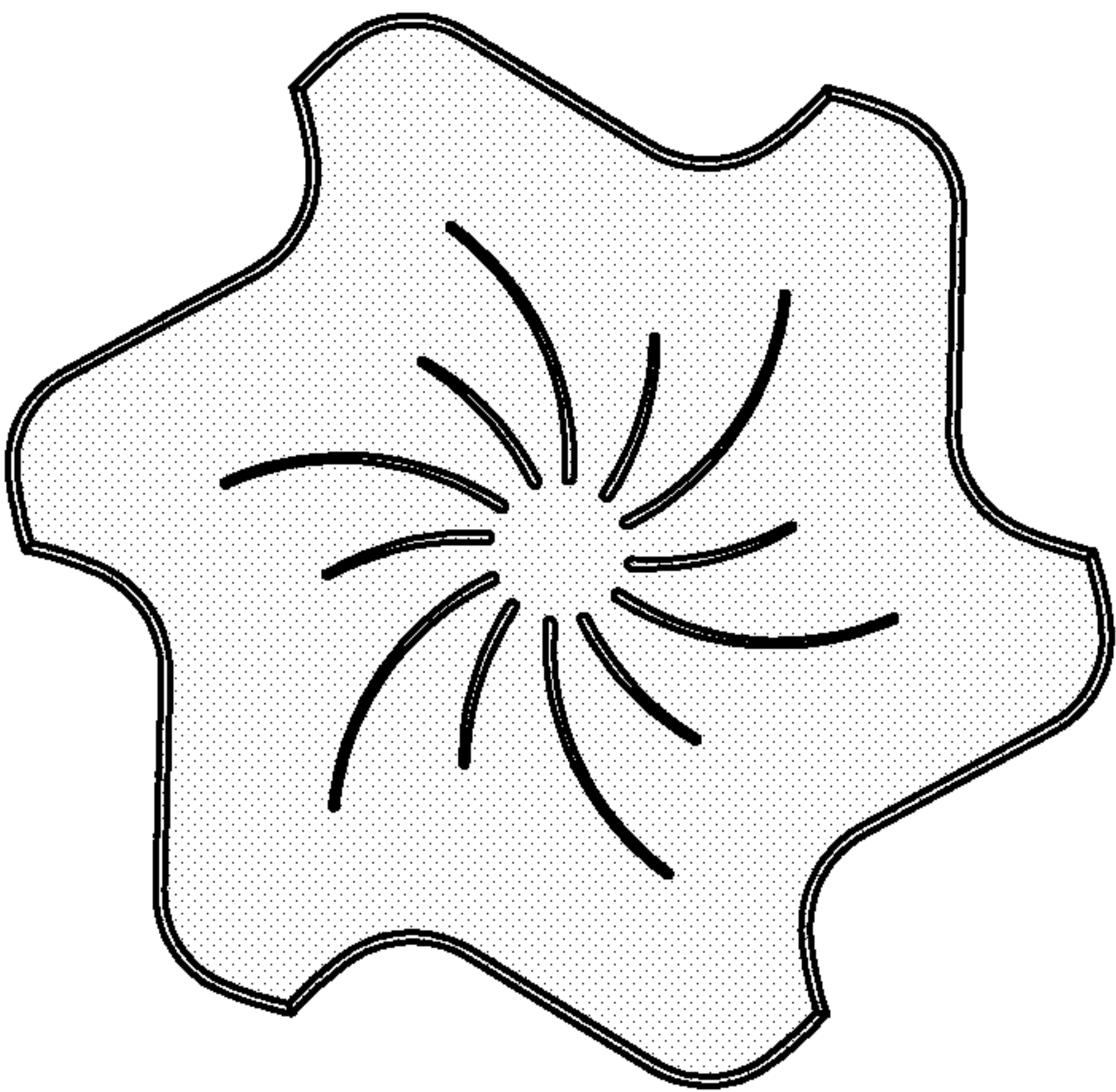


Fig. 65

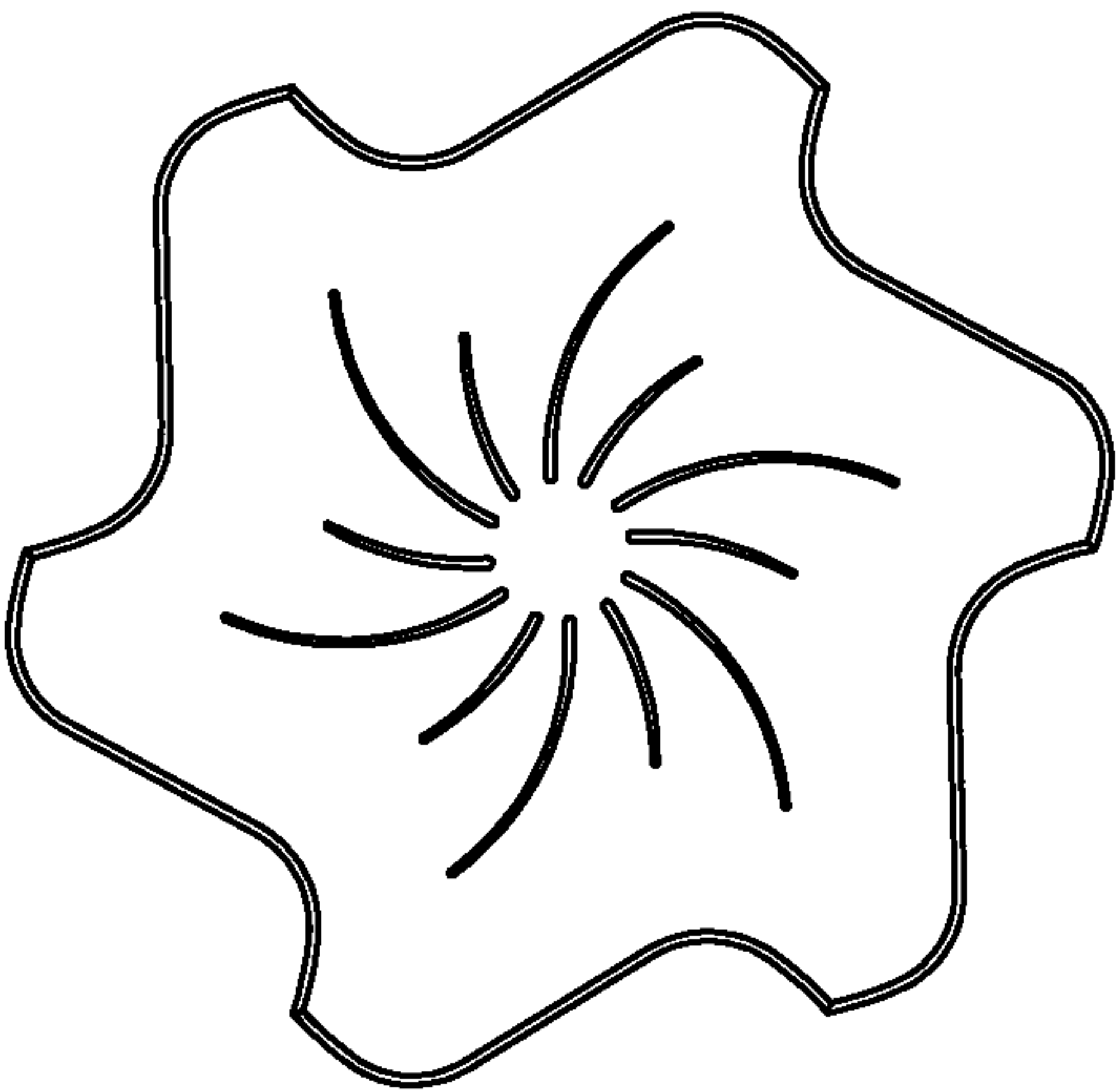


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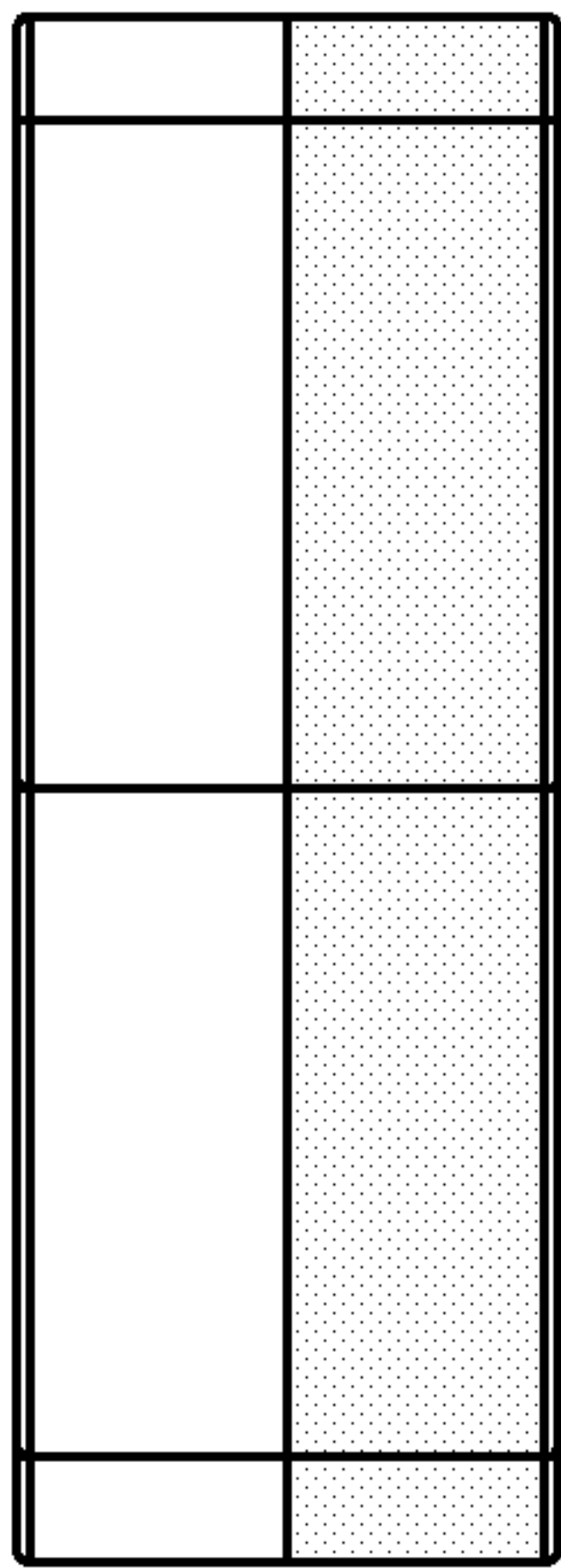


Fig. 67

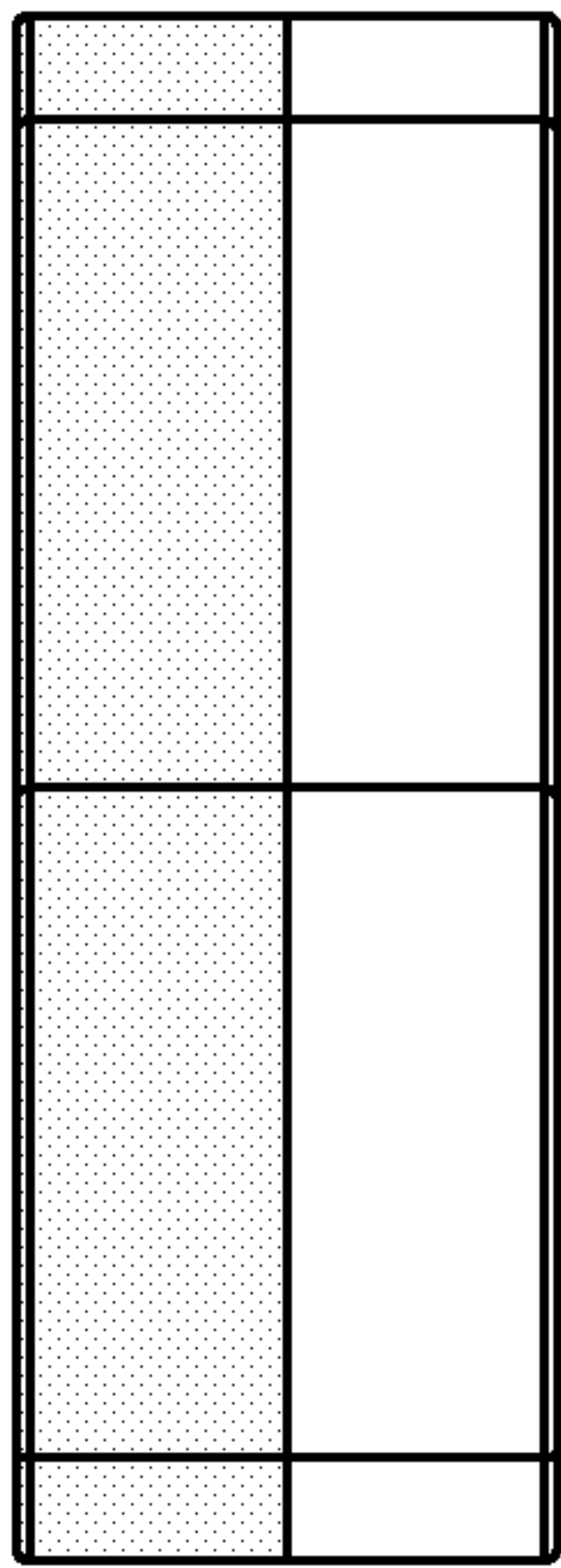


Fig. 68

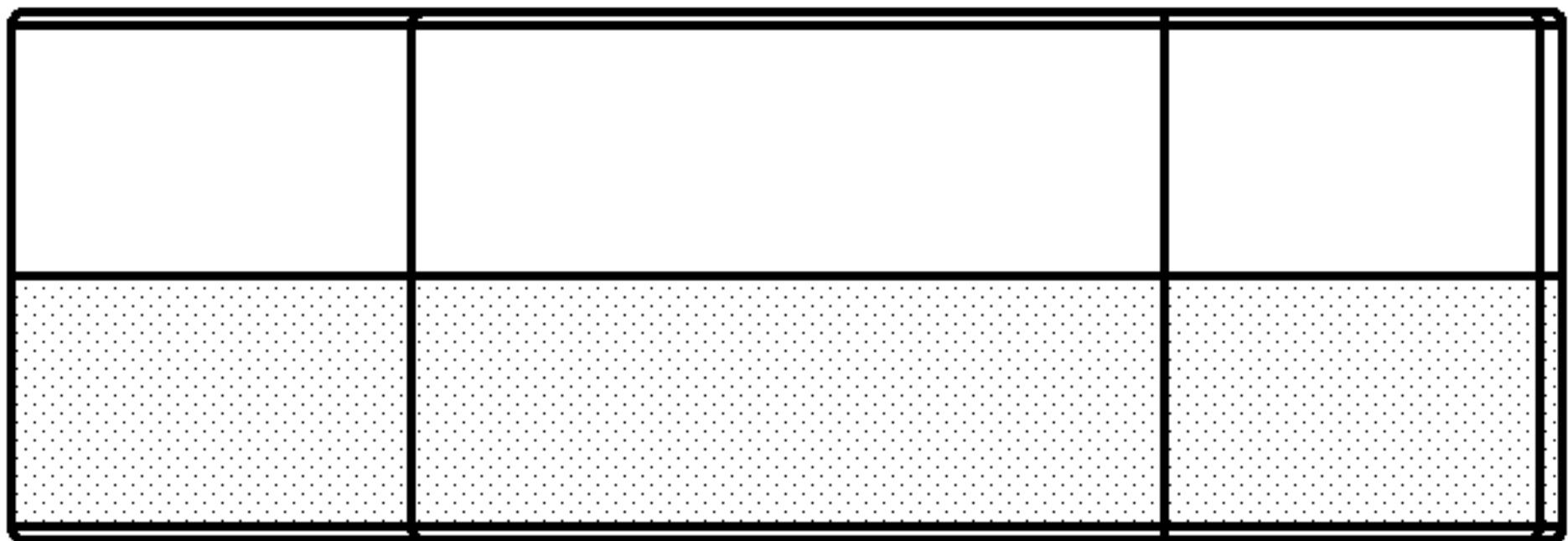


Fig. 69



Fig. 70

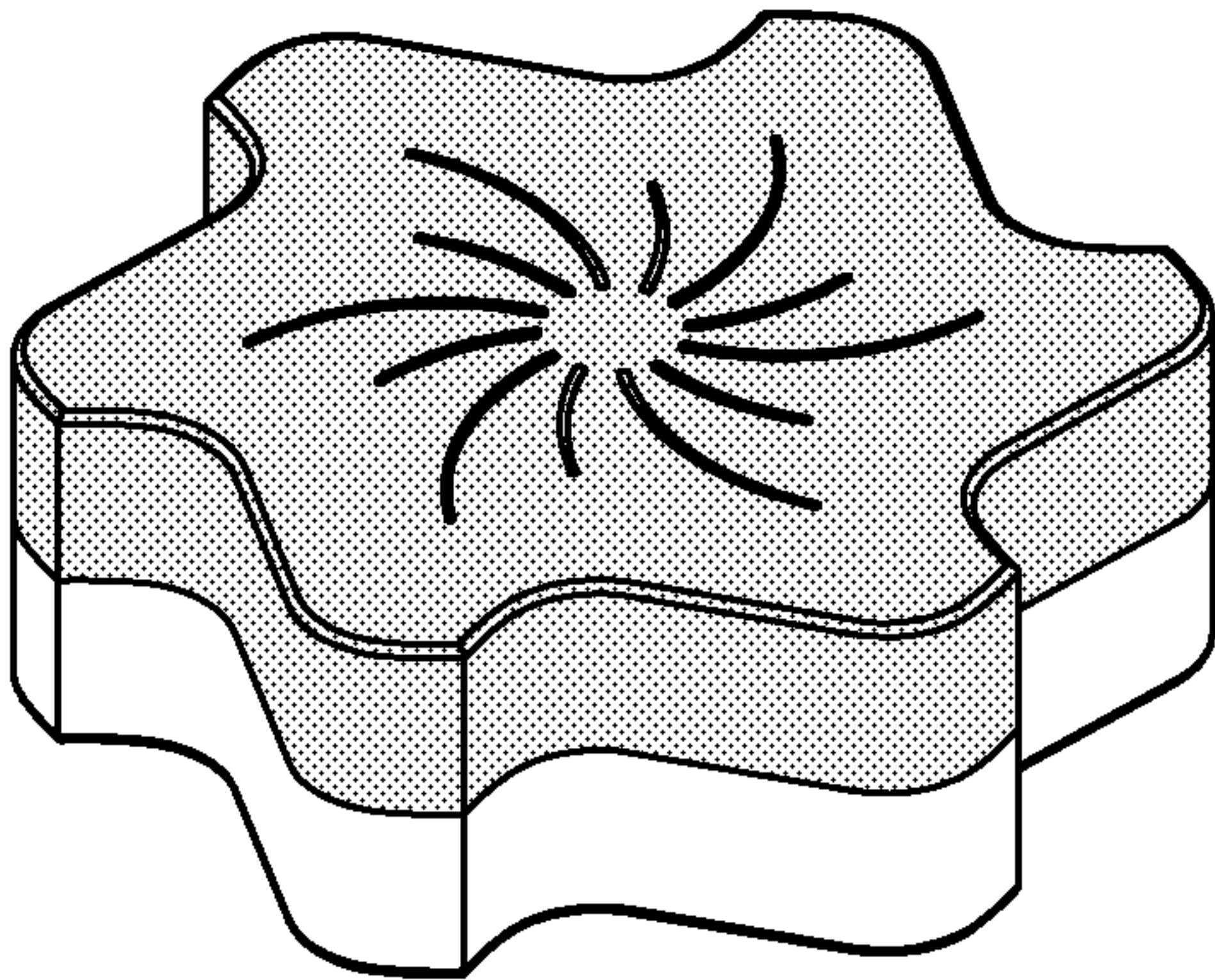


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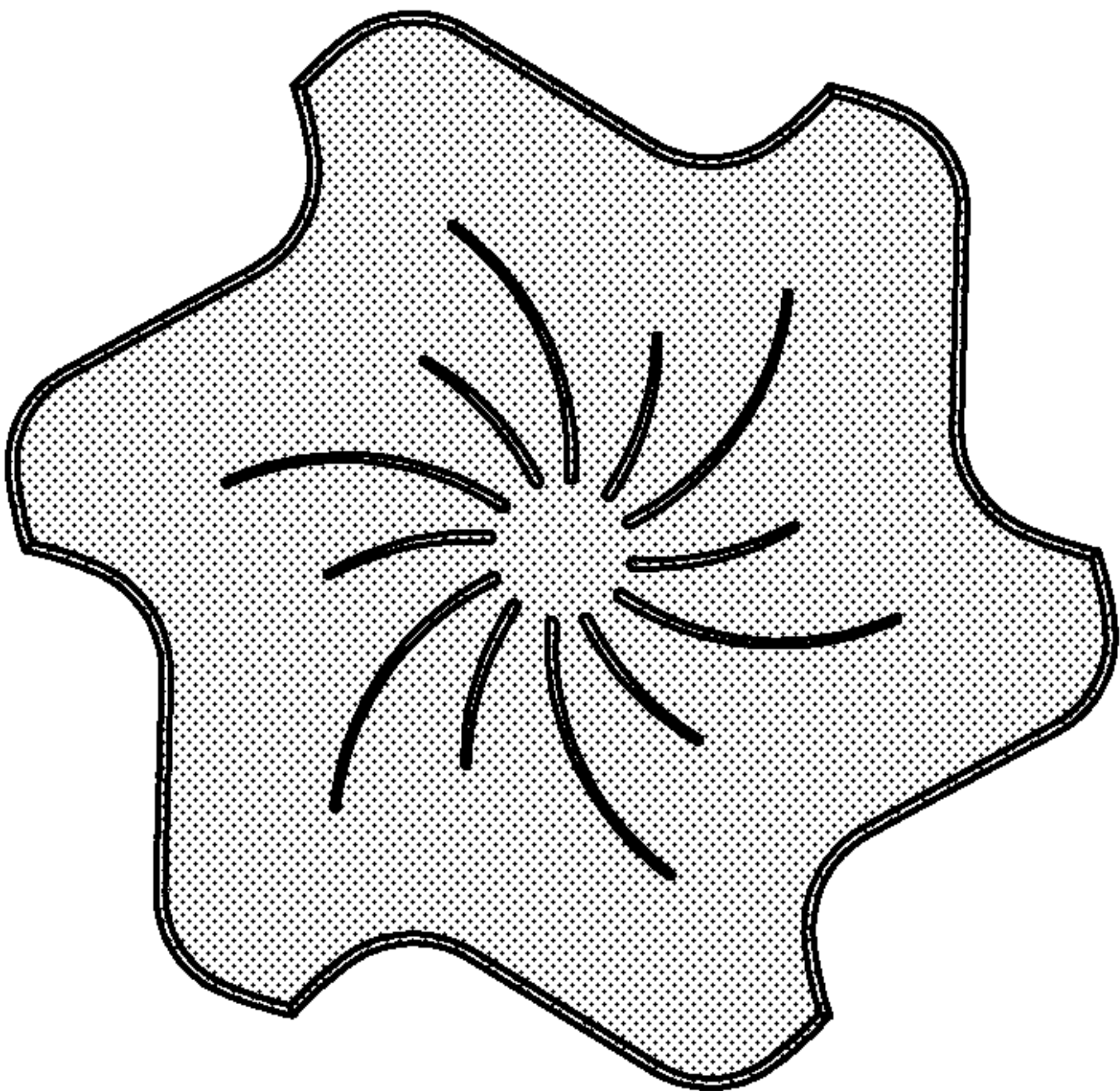


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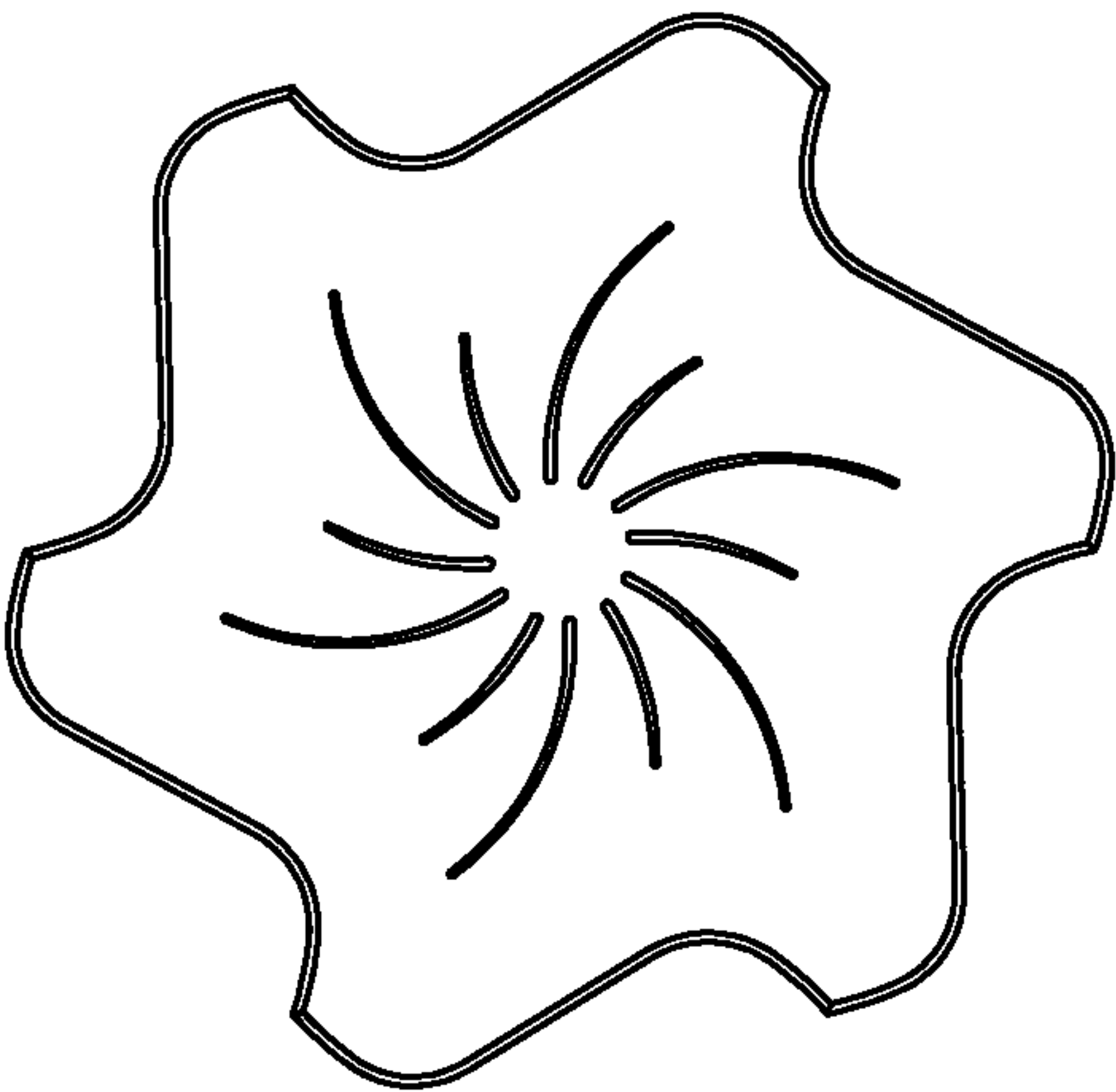


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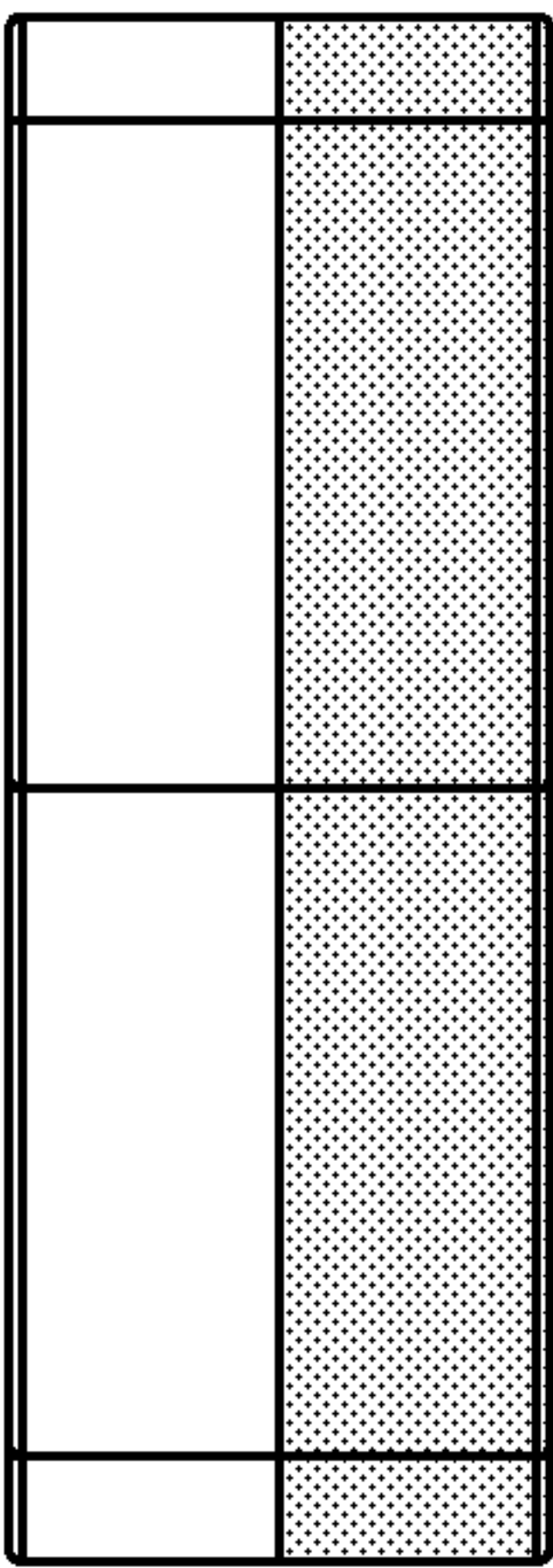


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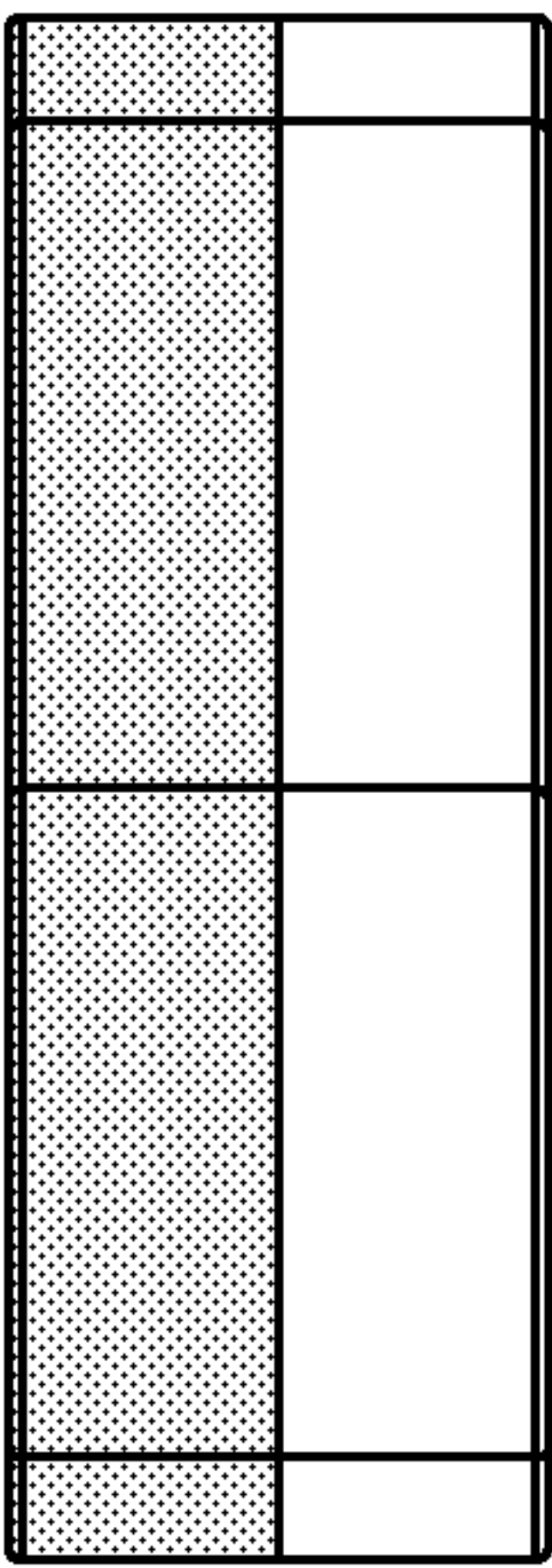


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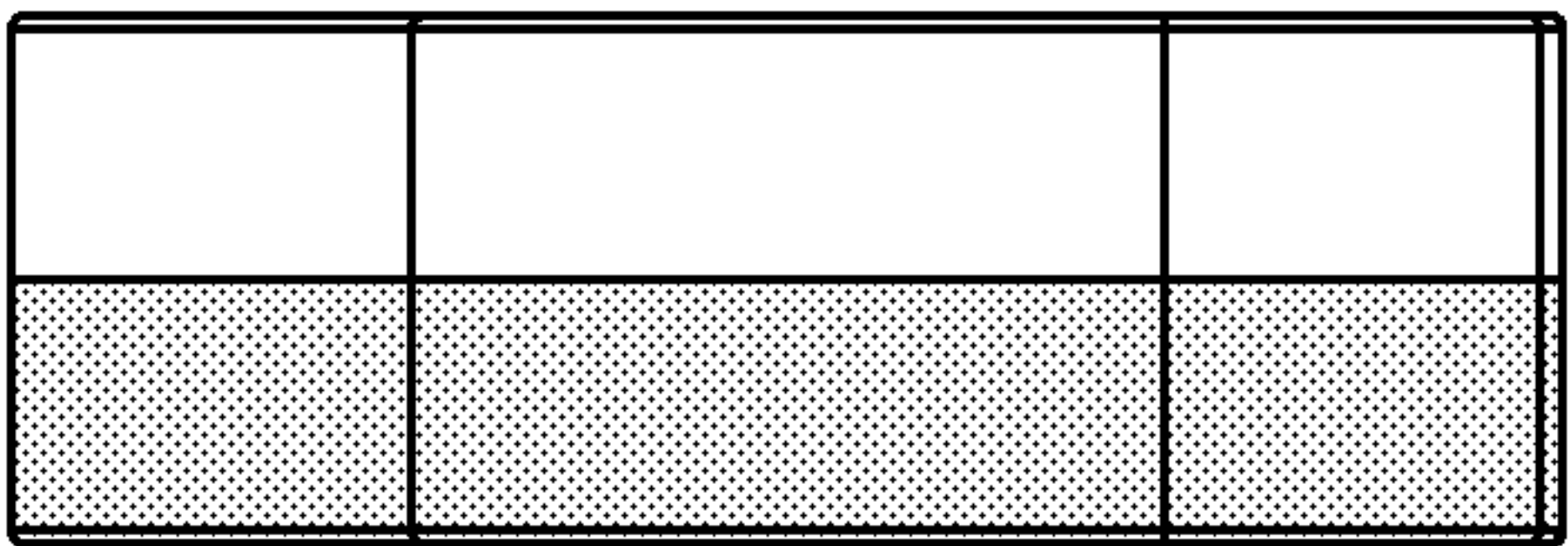


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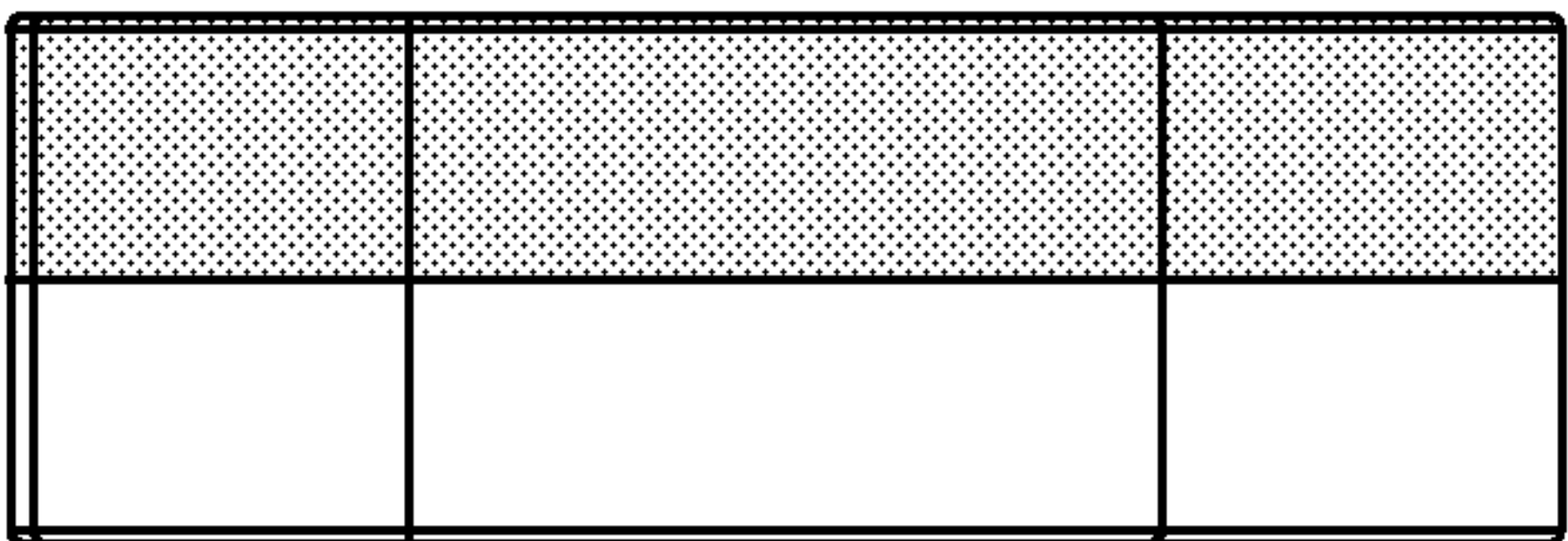


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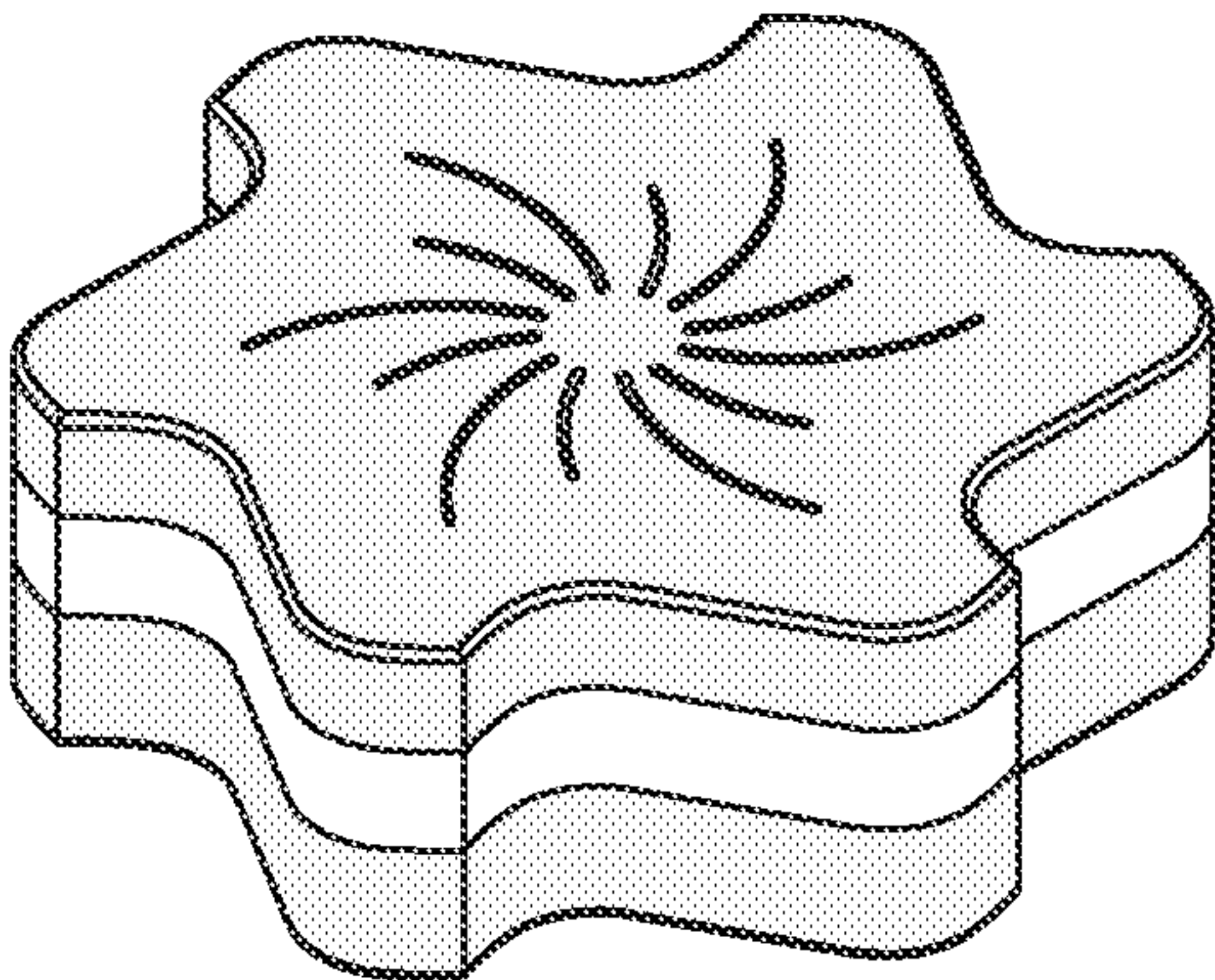


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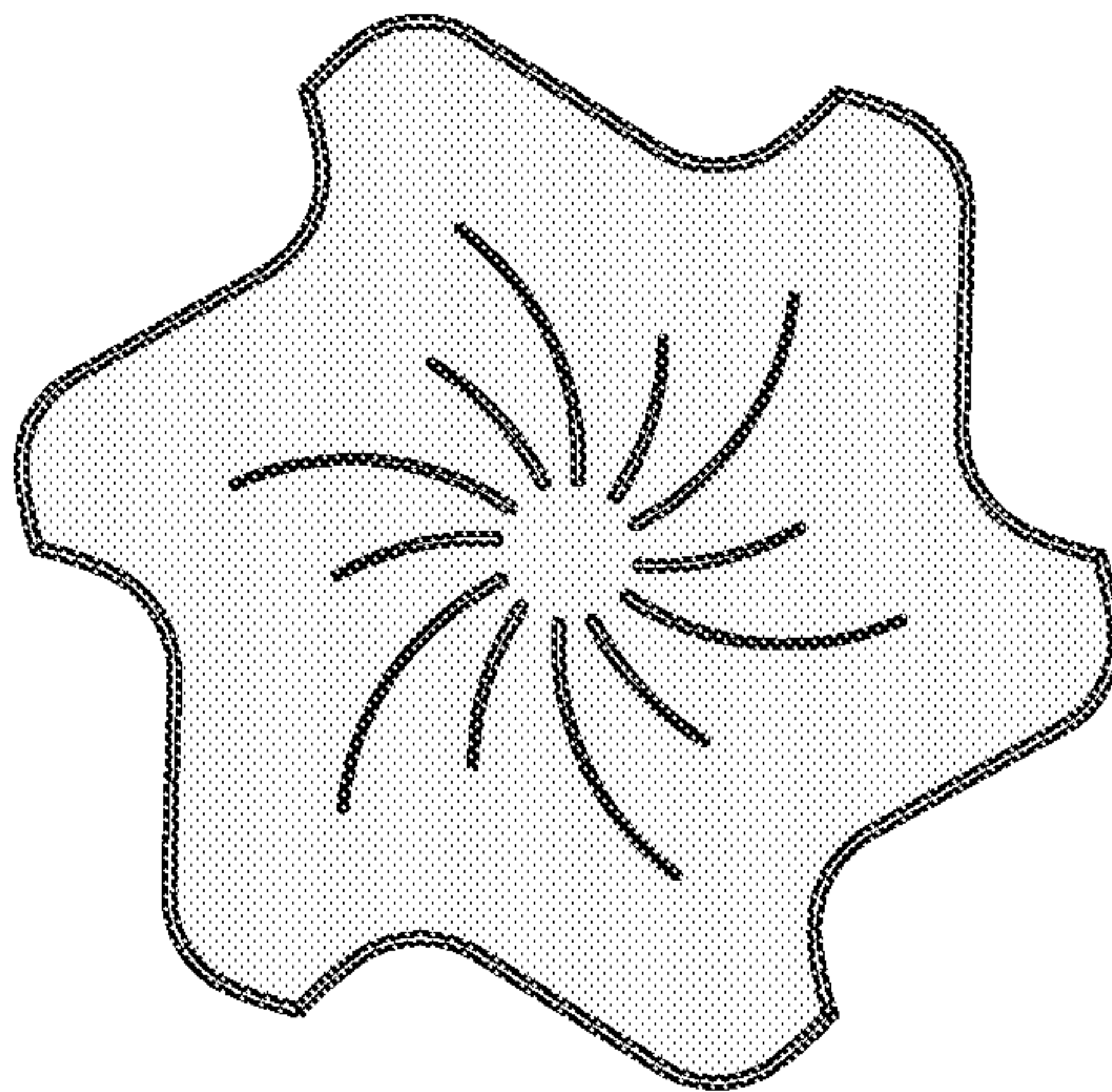


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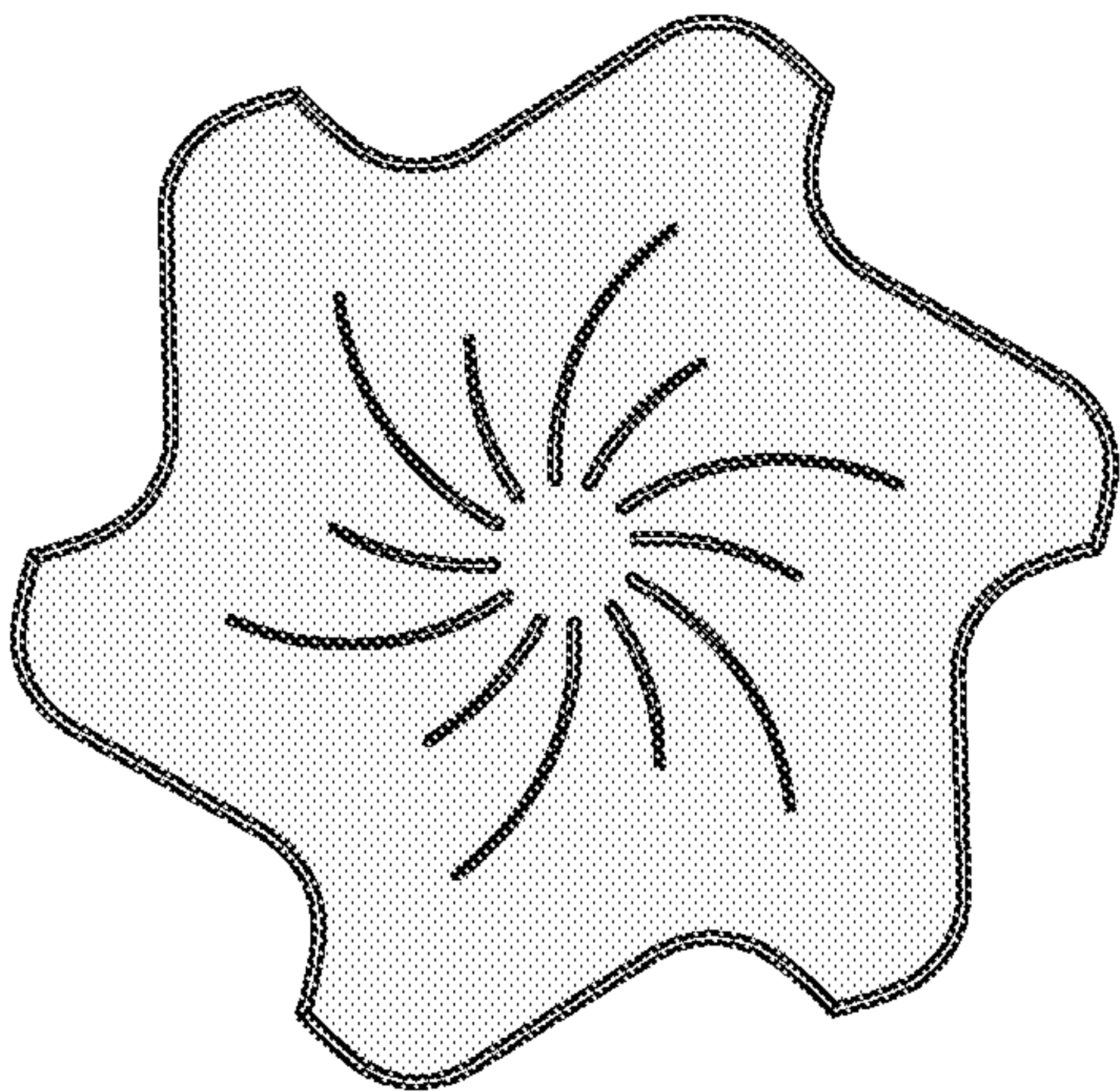


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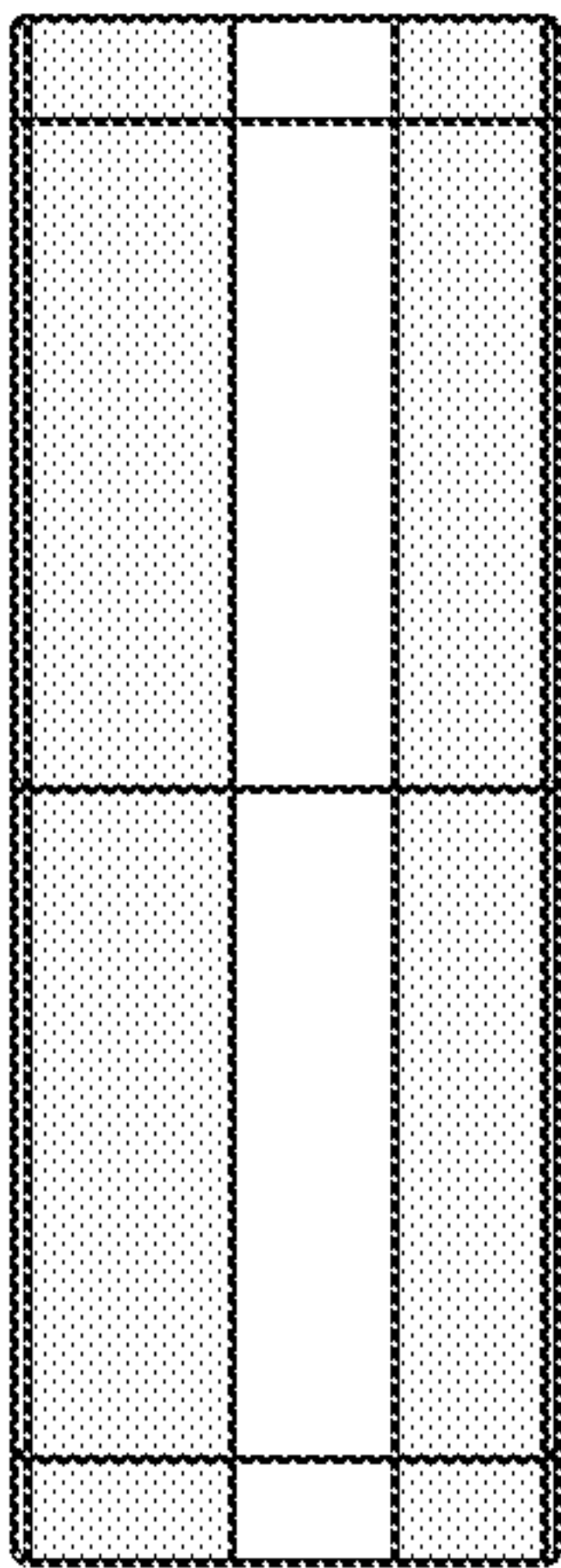


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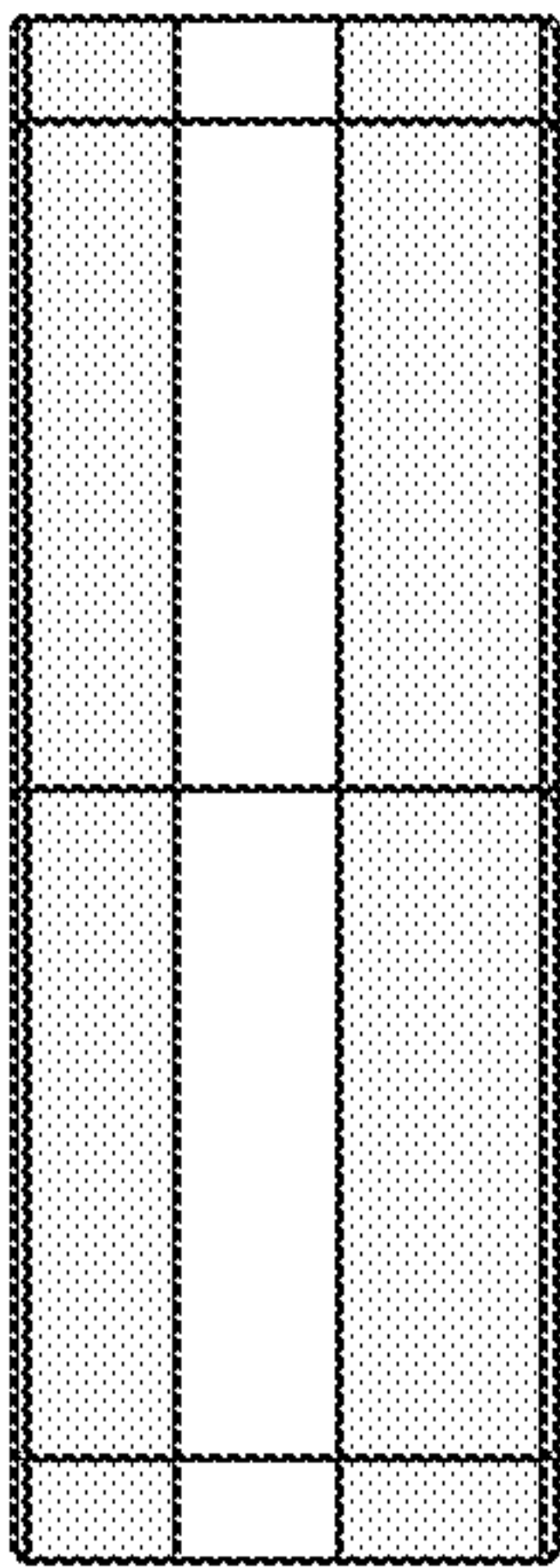


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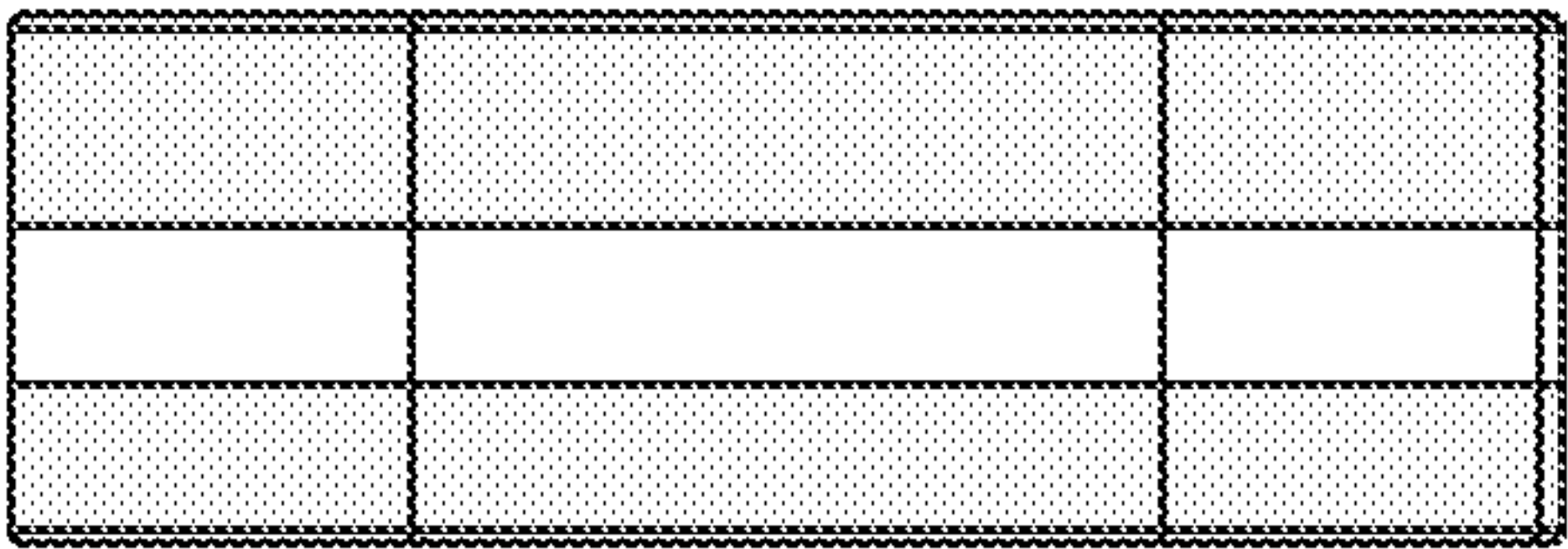


Fig. 83

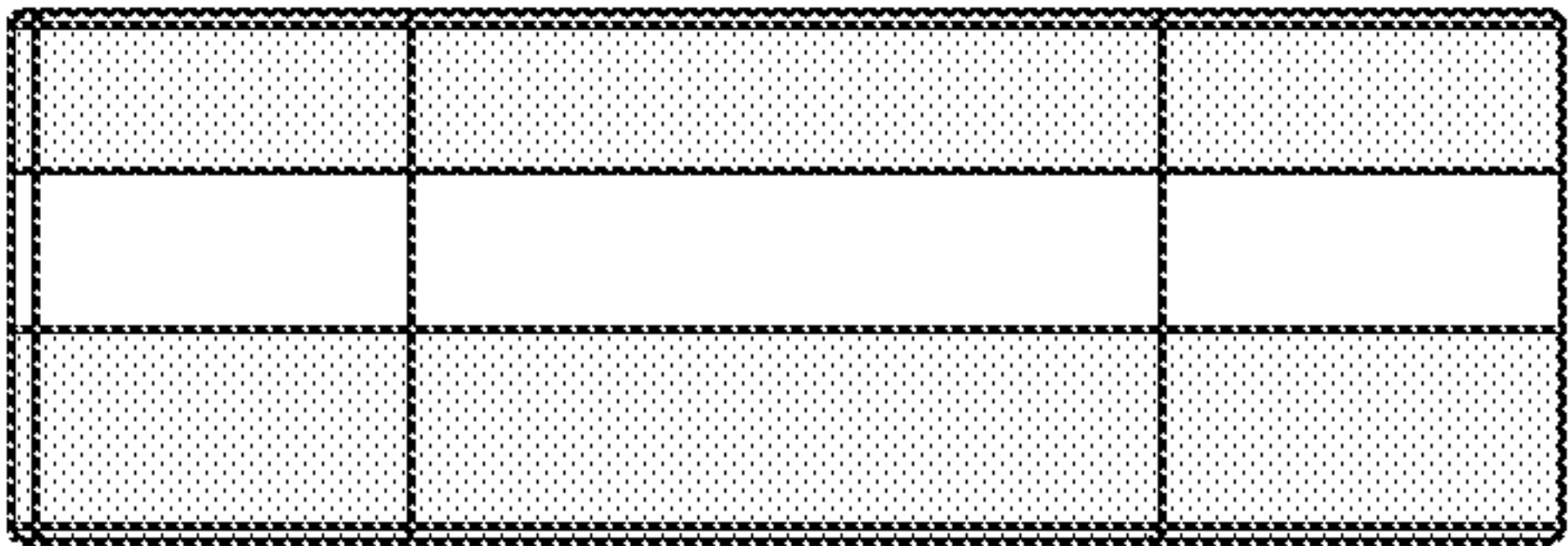


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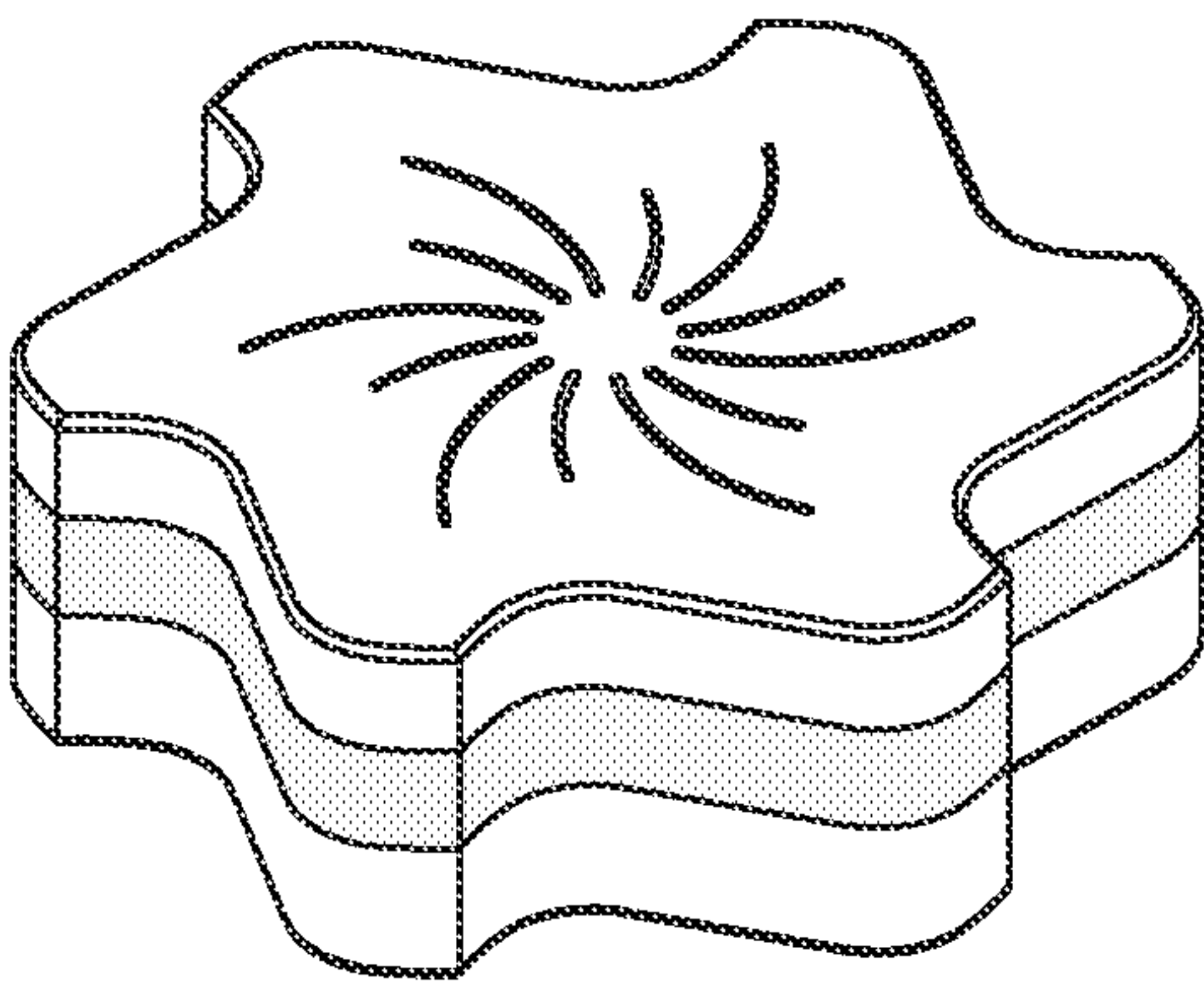


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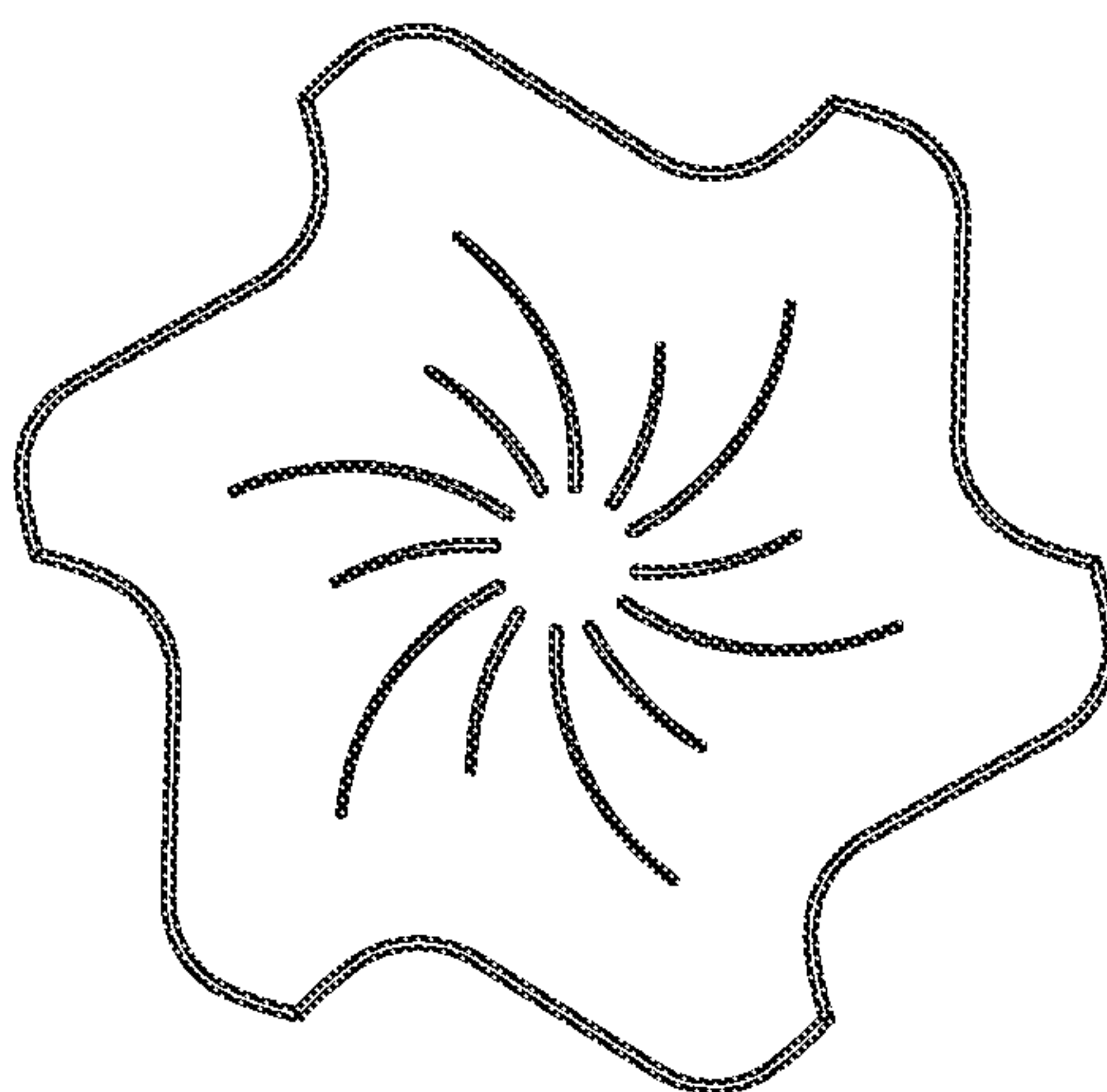


Fig. 86

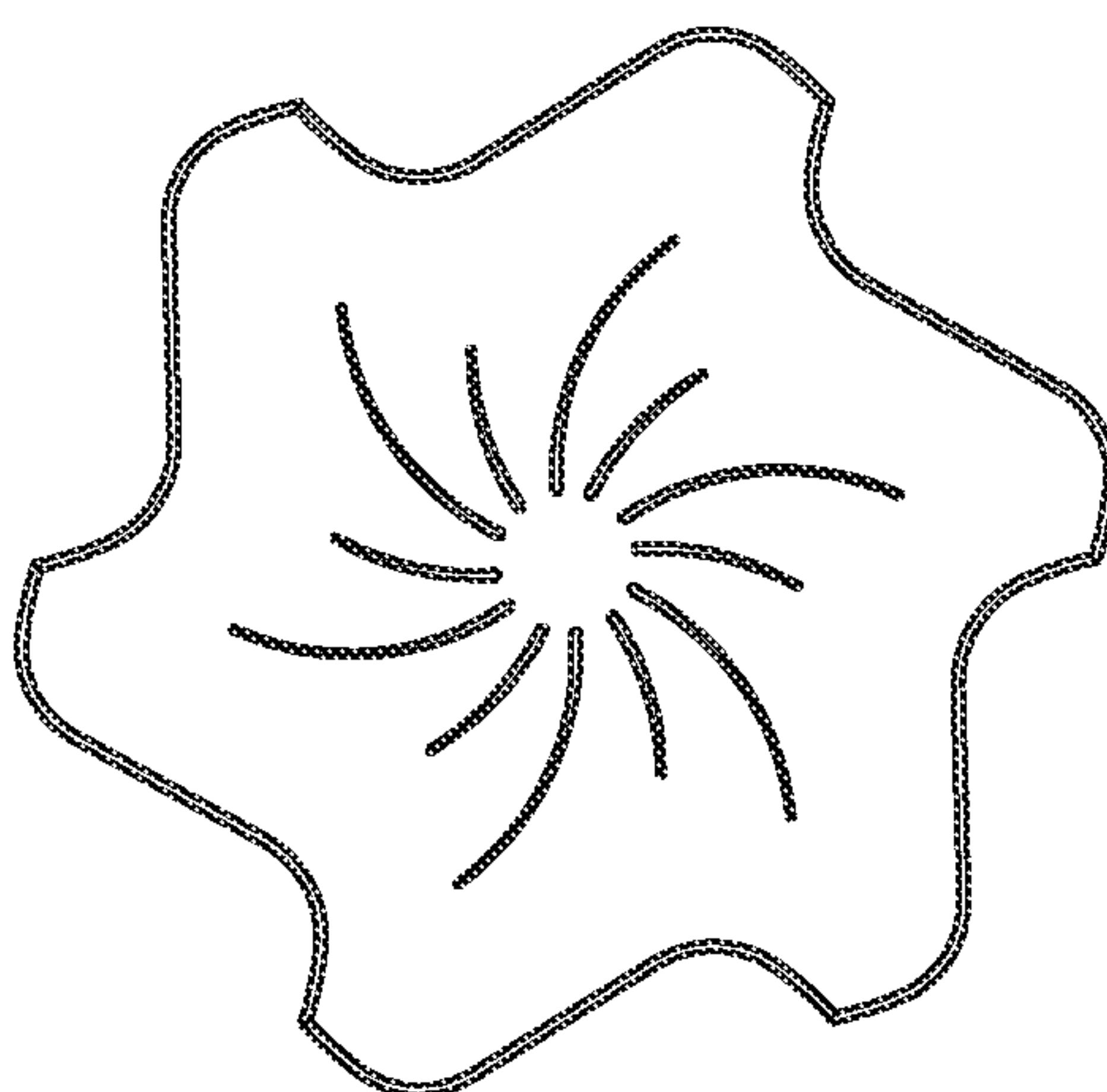


Fig. 87

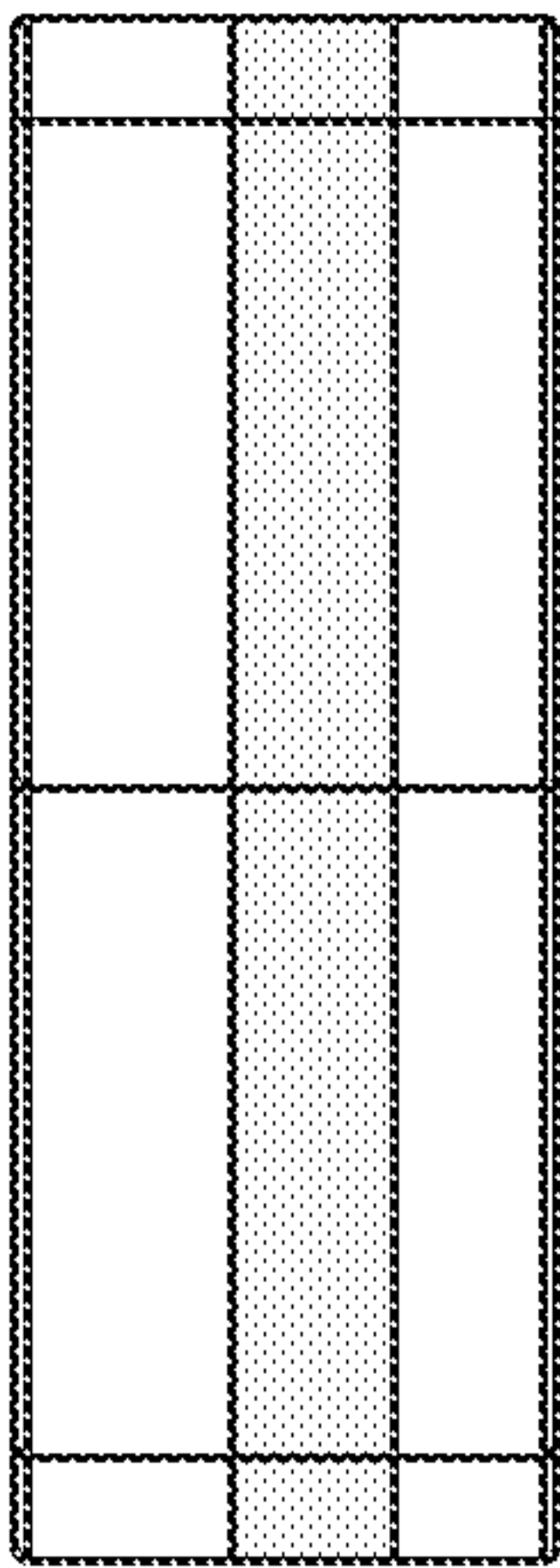


Fig. 88

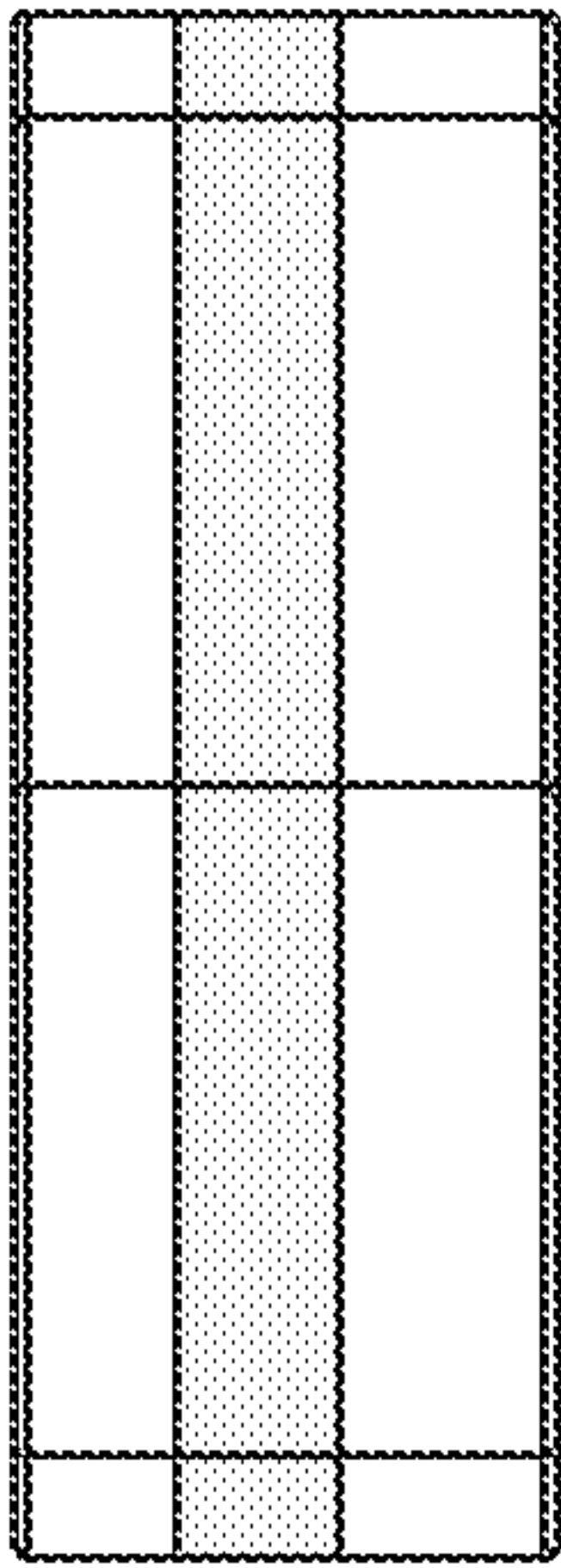


Fig. 89



Fig. 90



Fig. 91

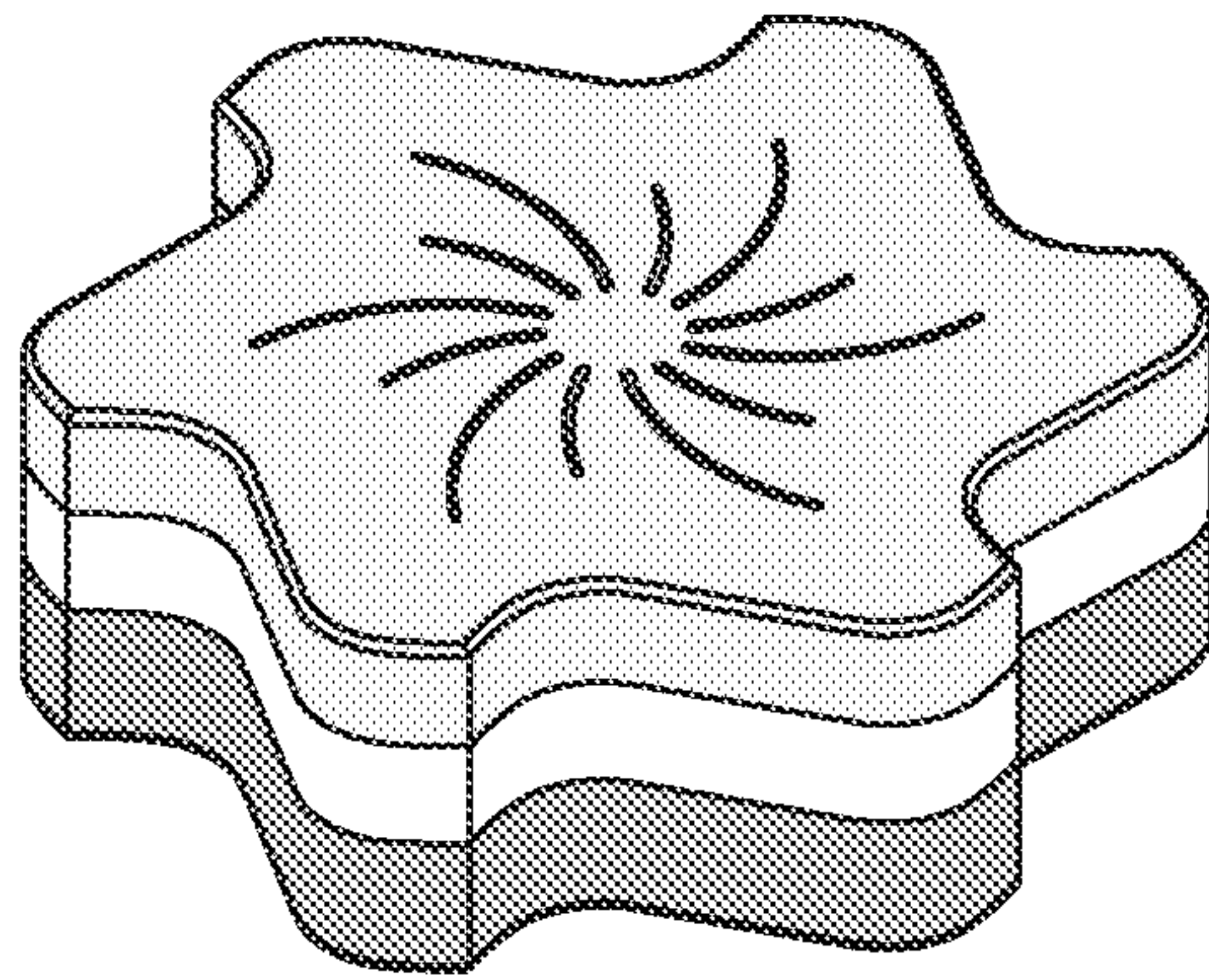


Fig. 92

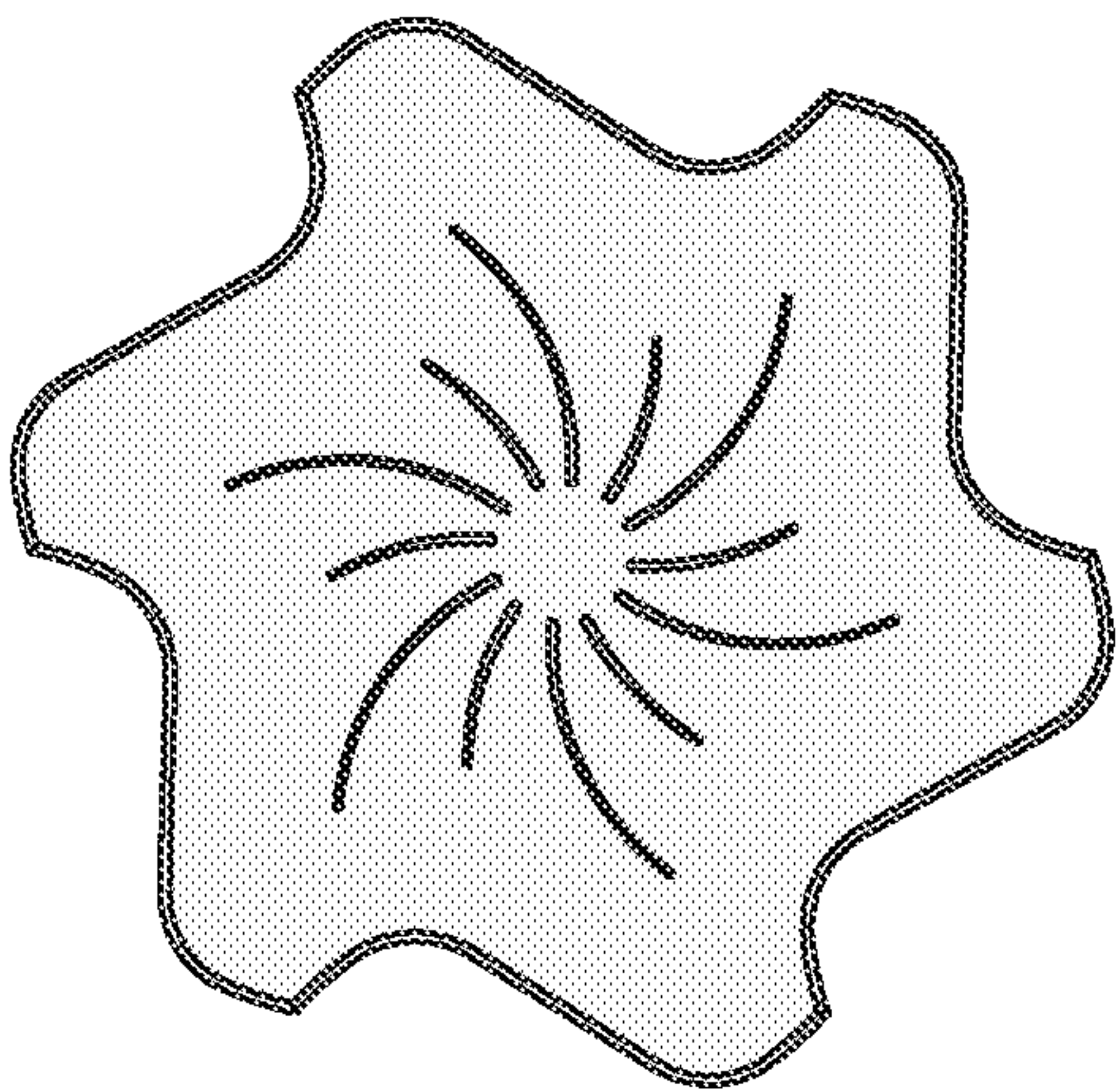


Fig. 93

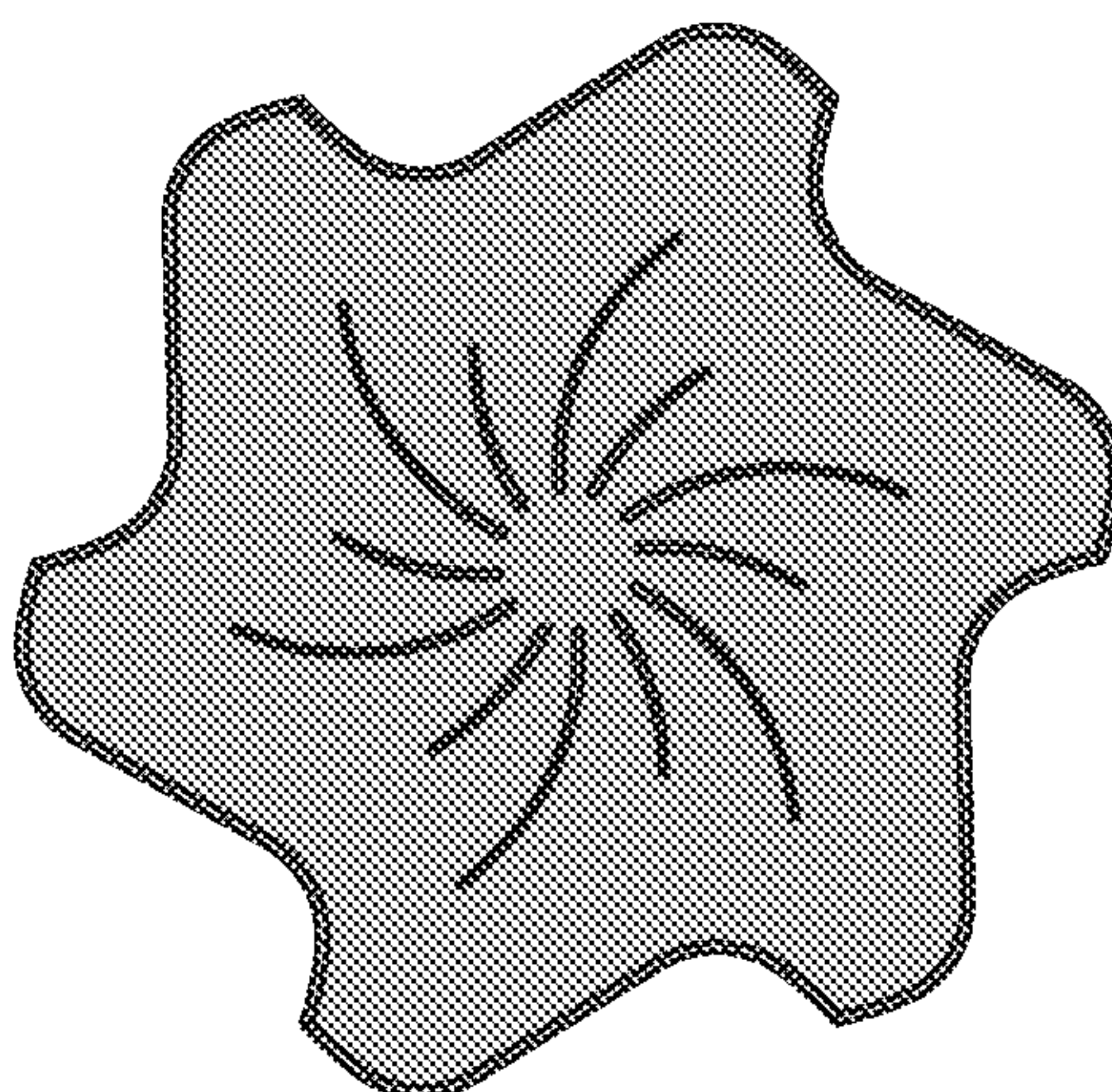


Fig. 94

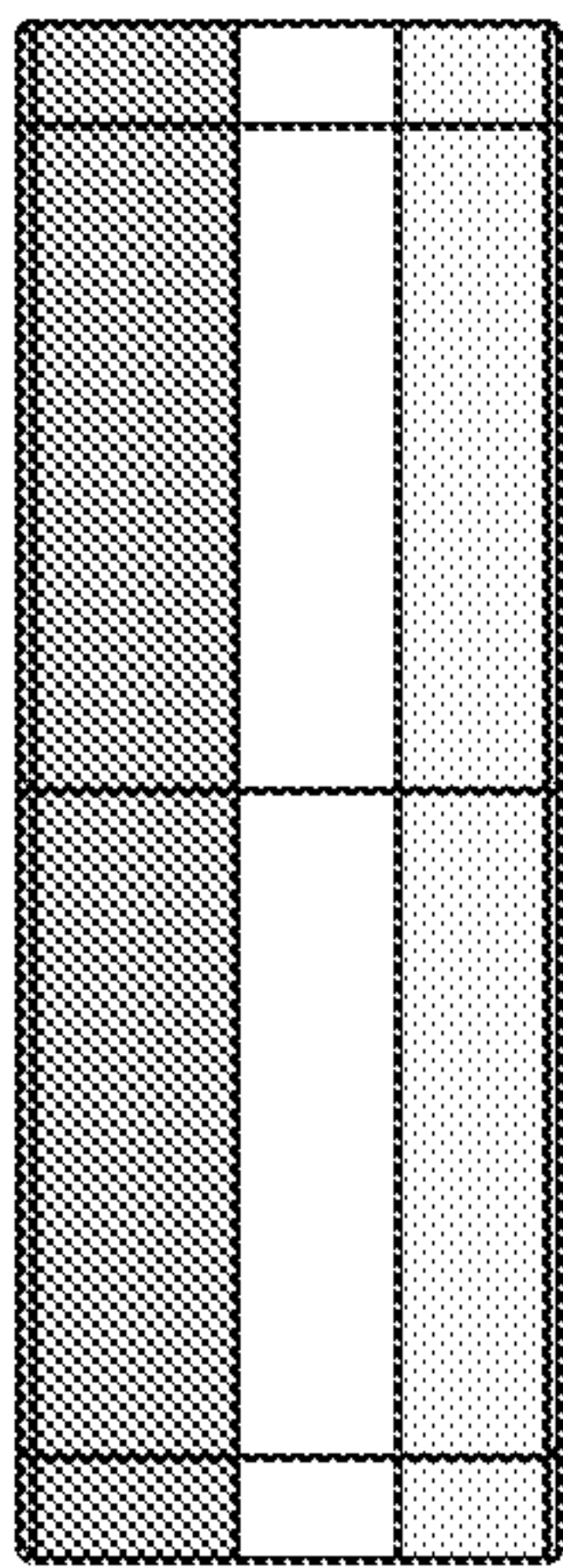


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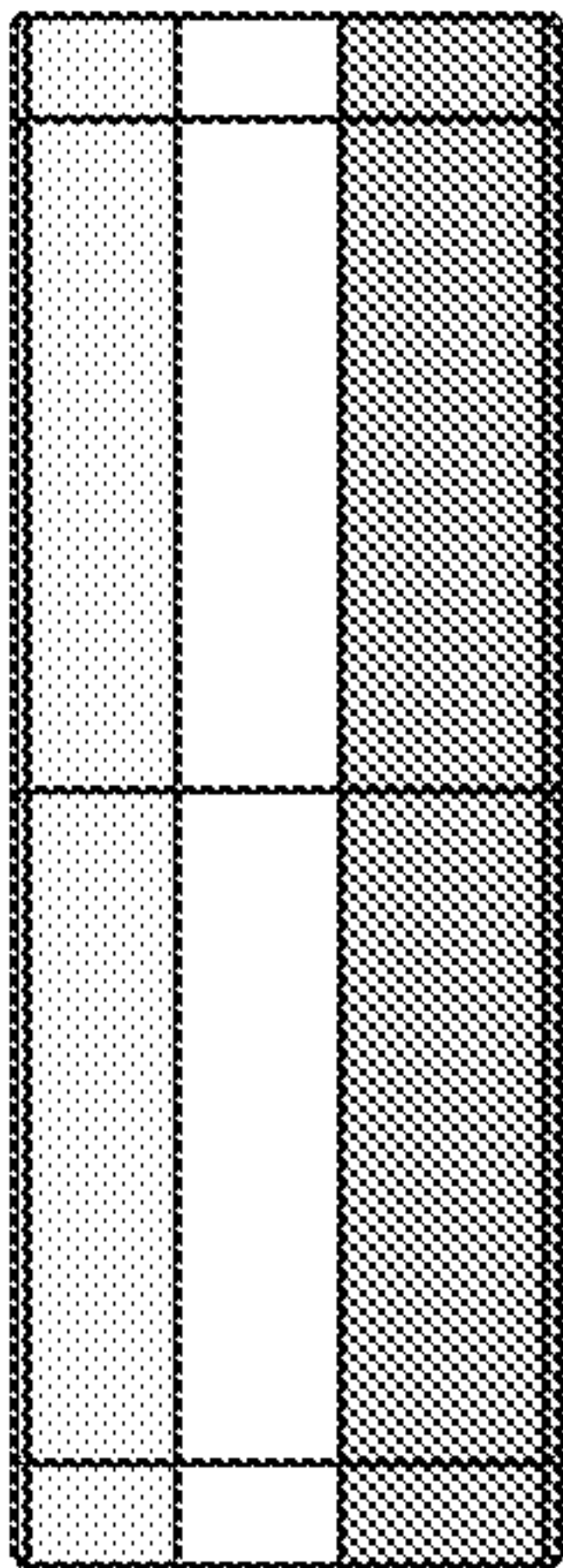


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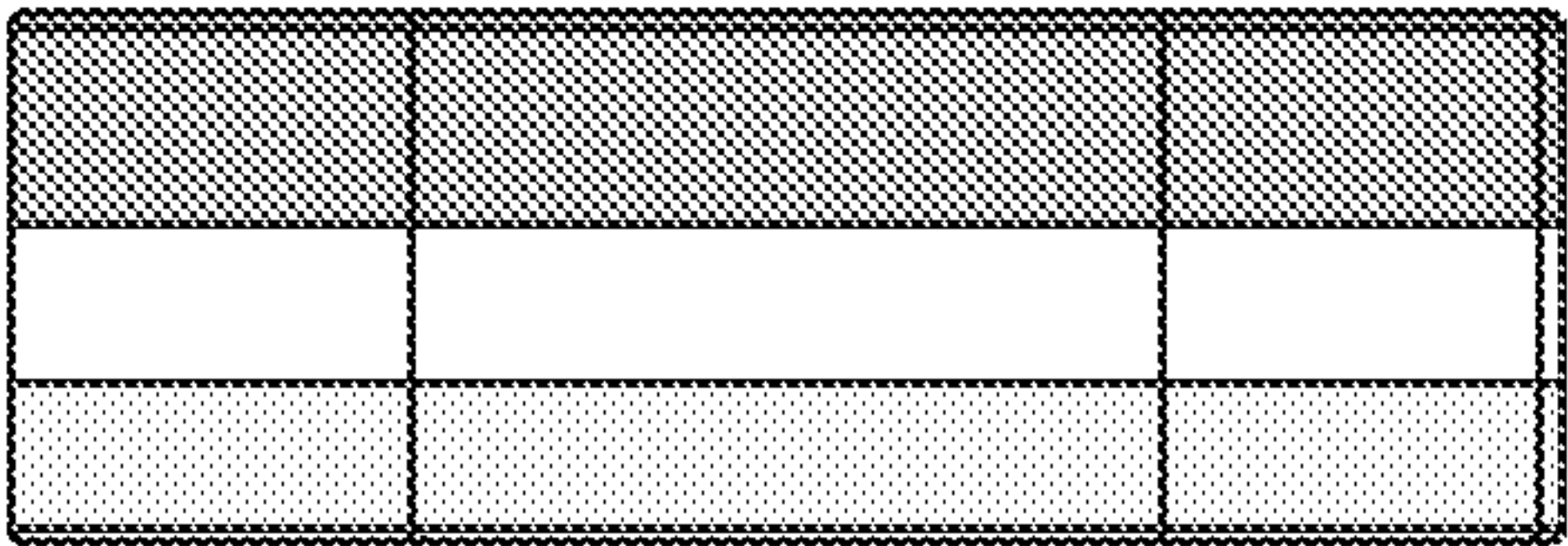


Fig. 97



Fig. 98

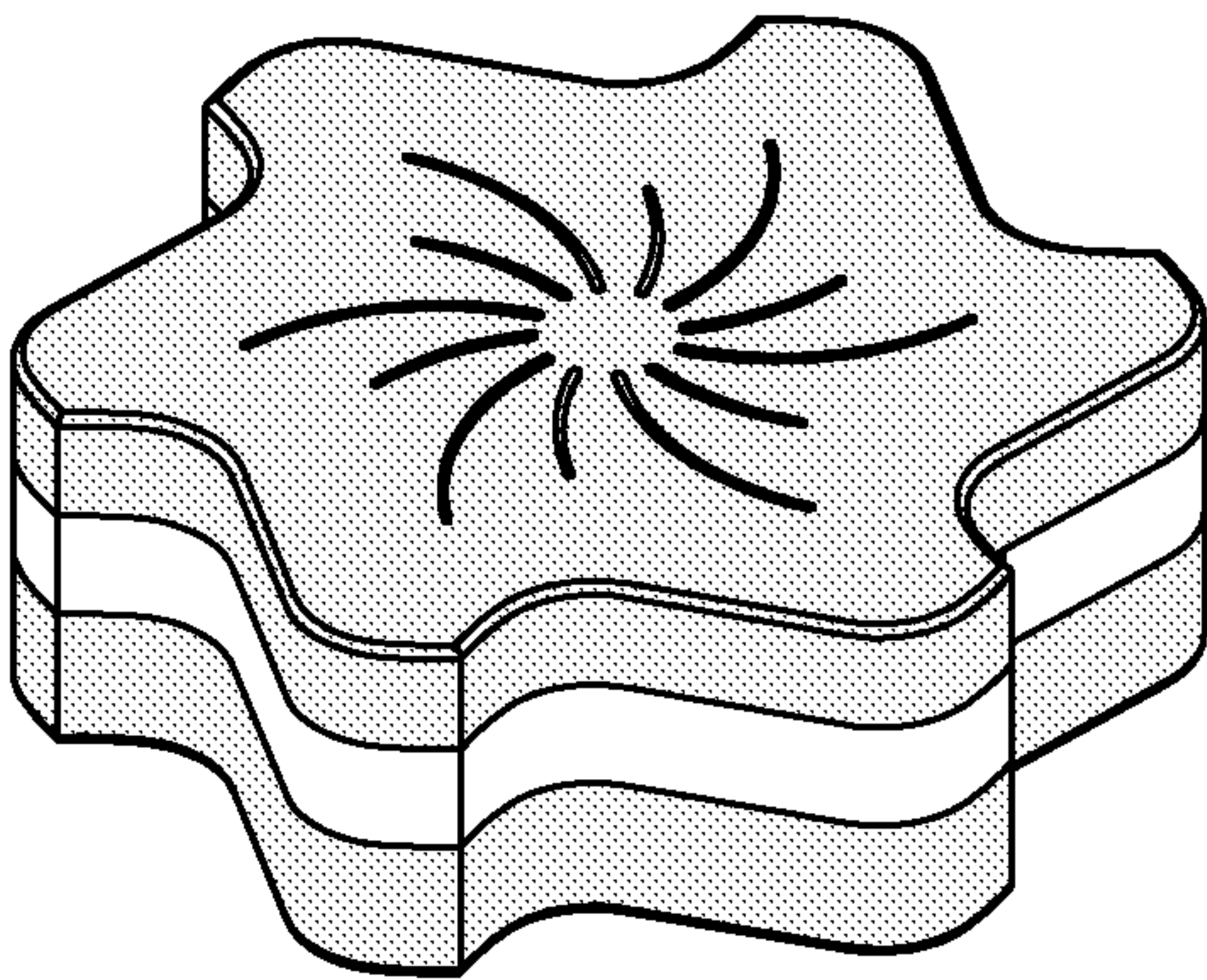


Fig. 99

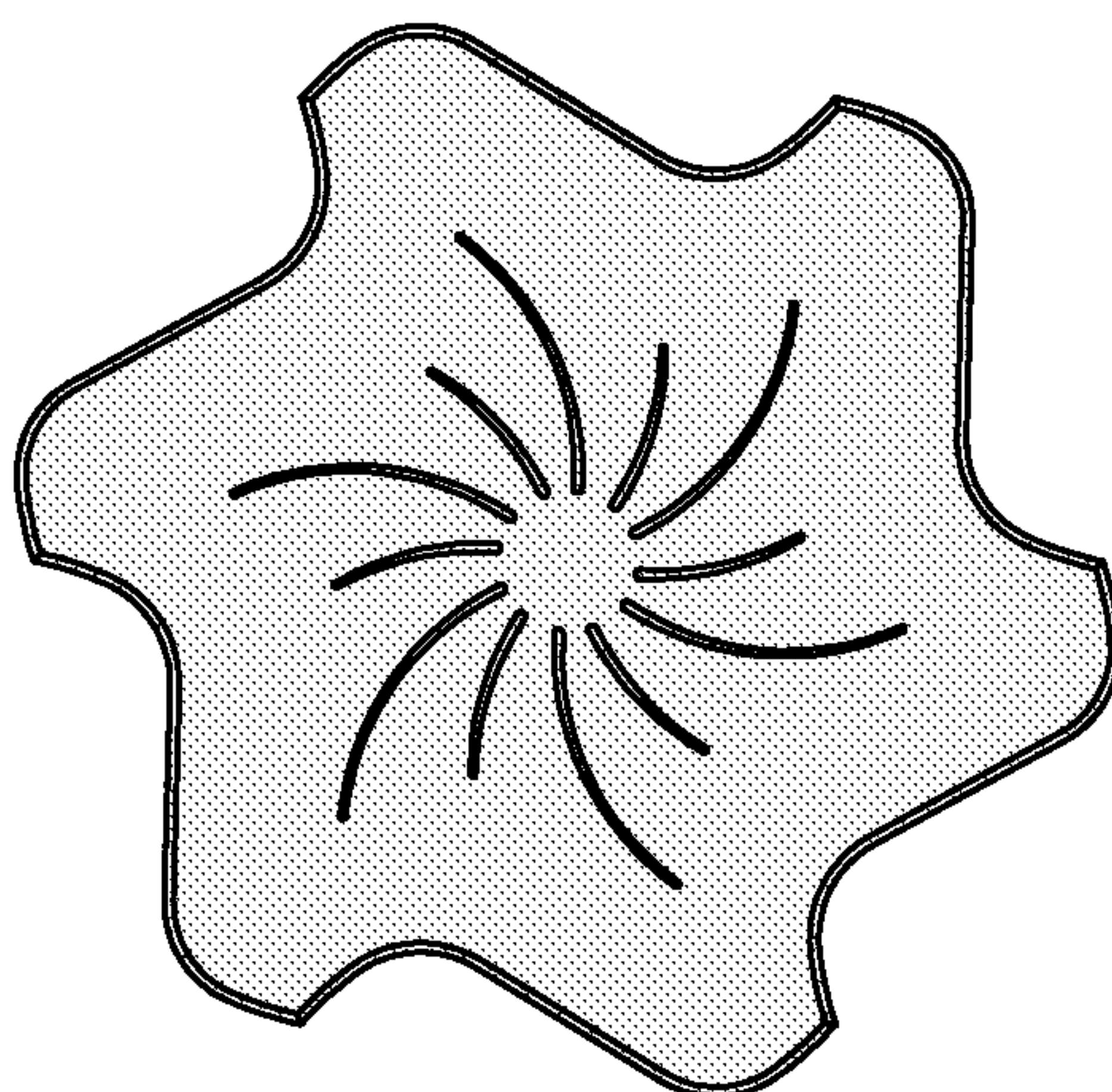


Fig. 100

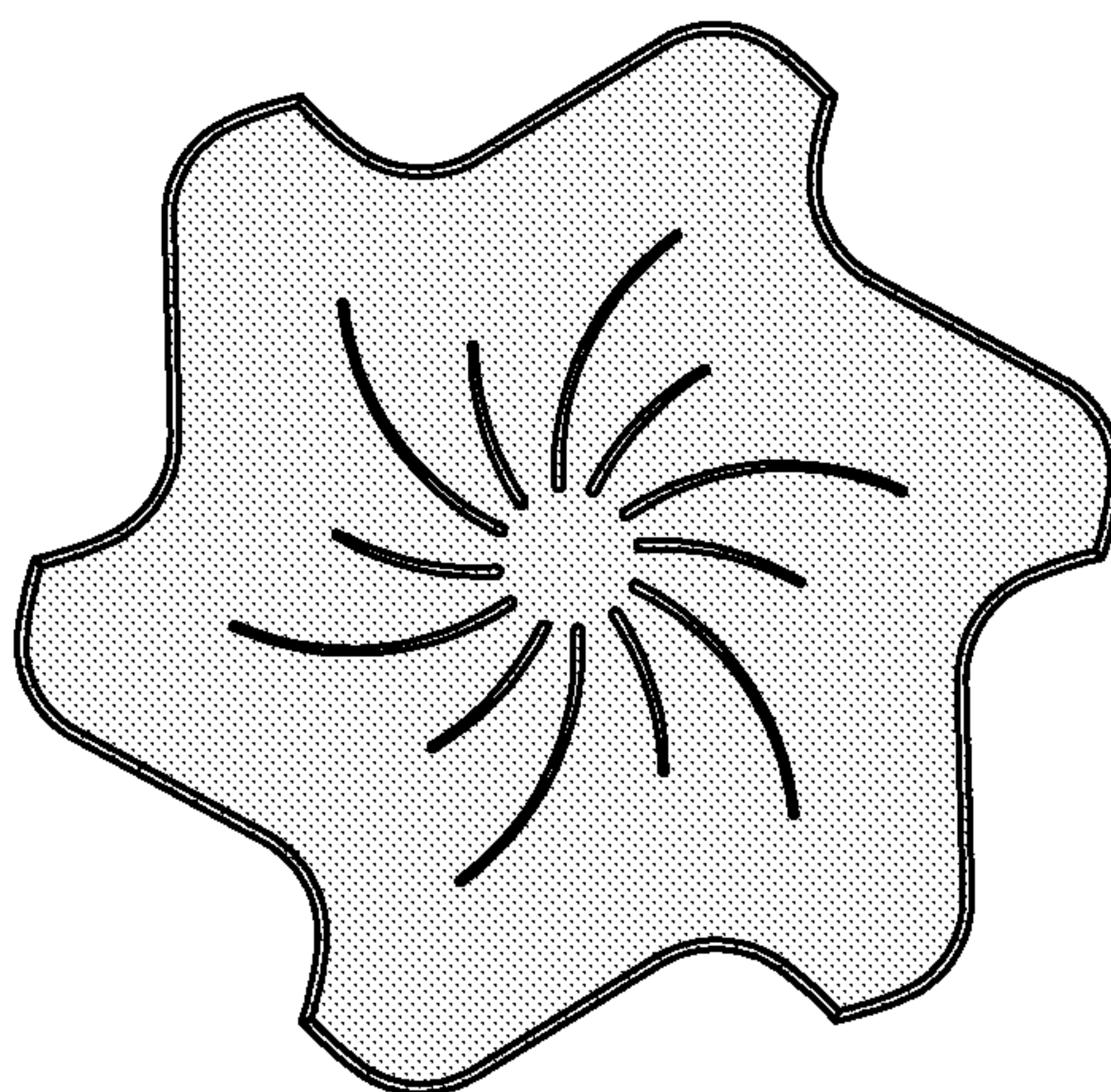


Fig. 101

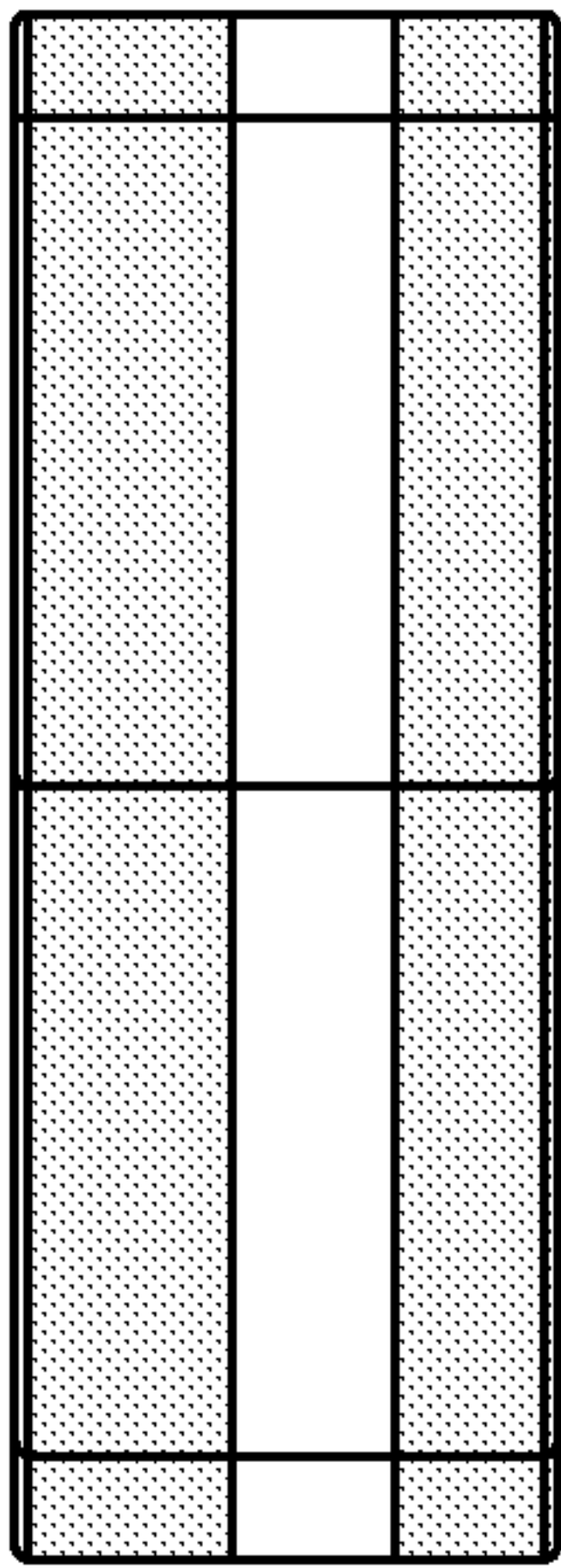


Fig. 102

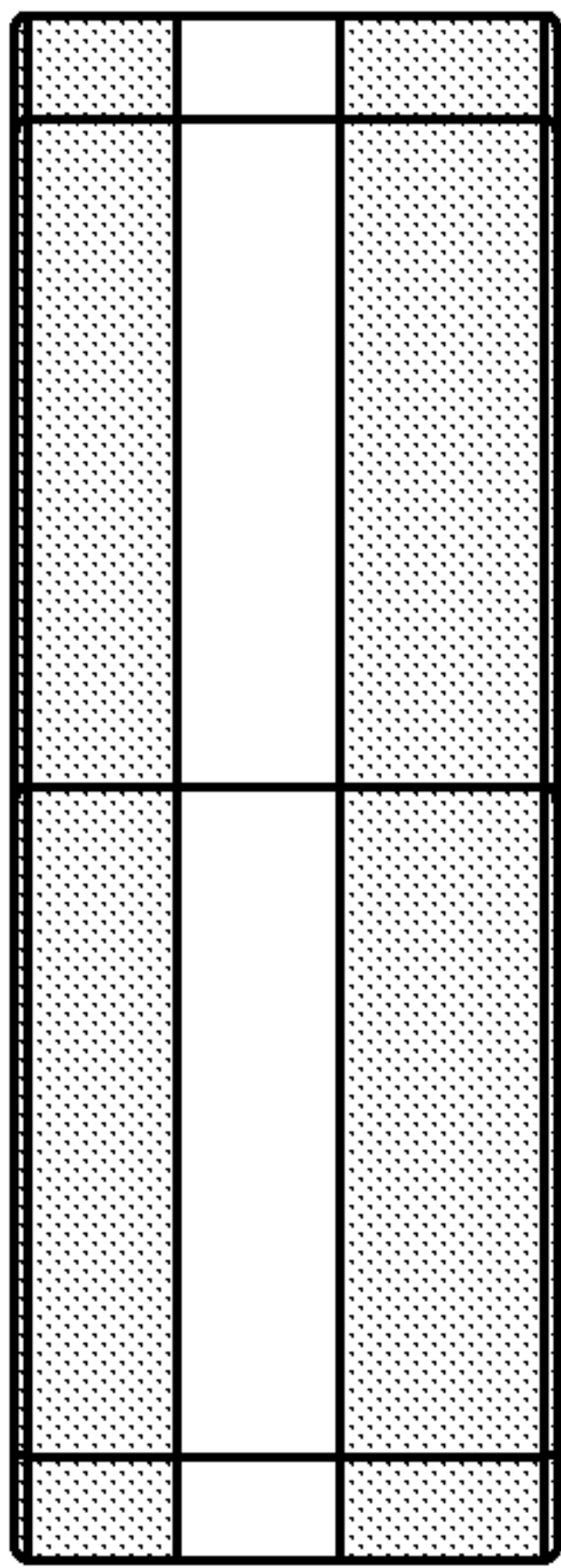


Fig. 103



Fig. 104



Fig. 105

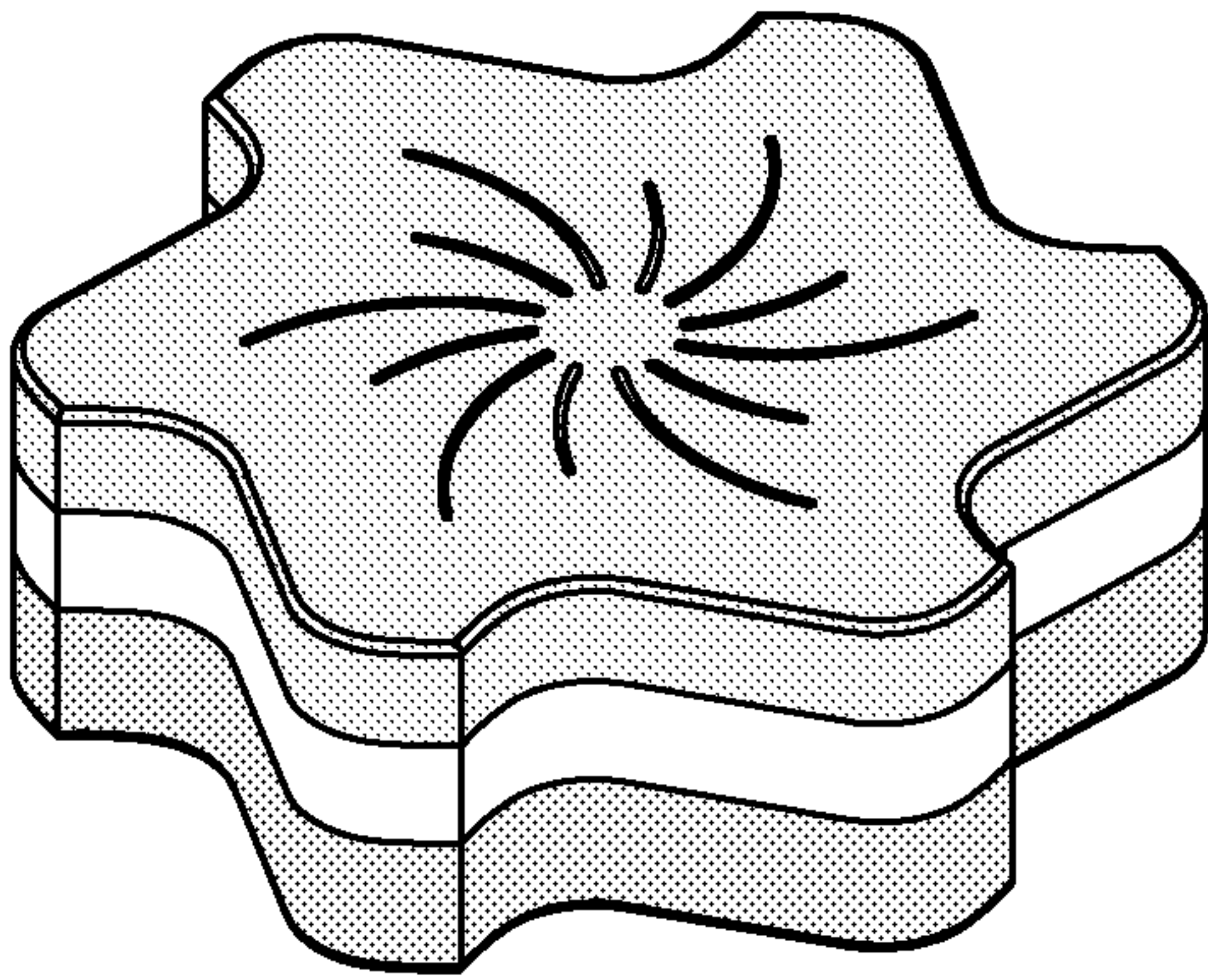


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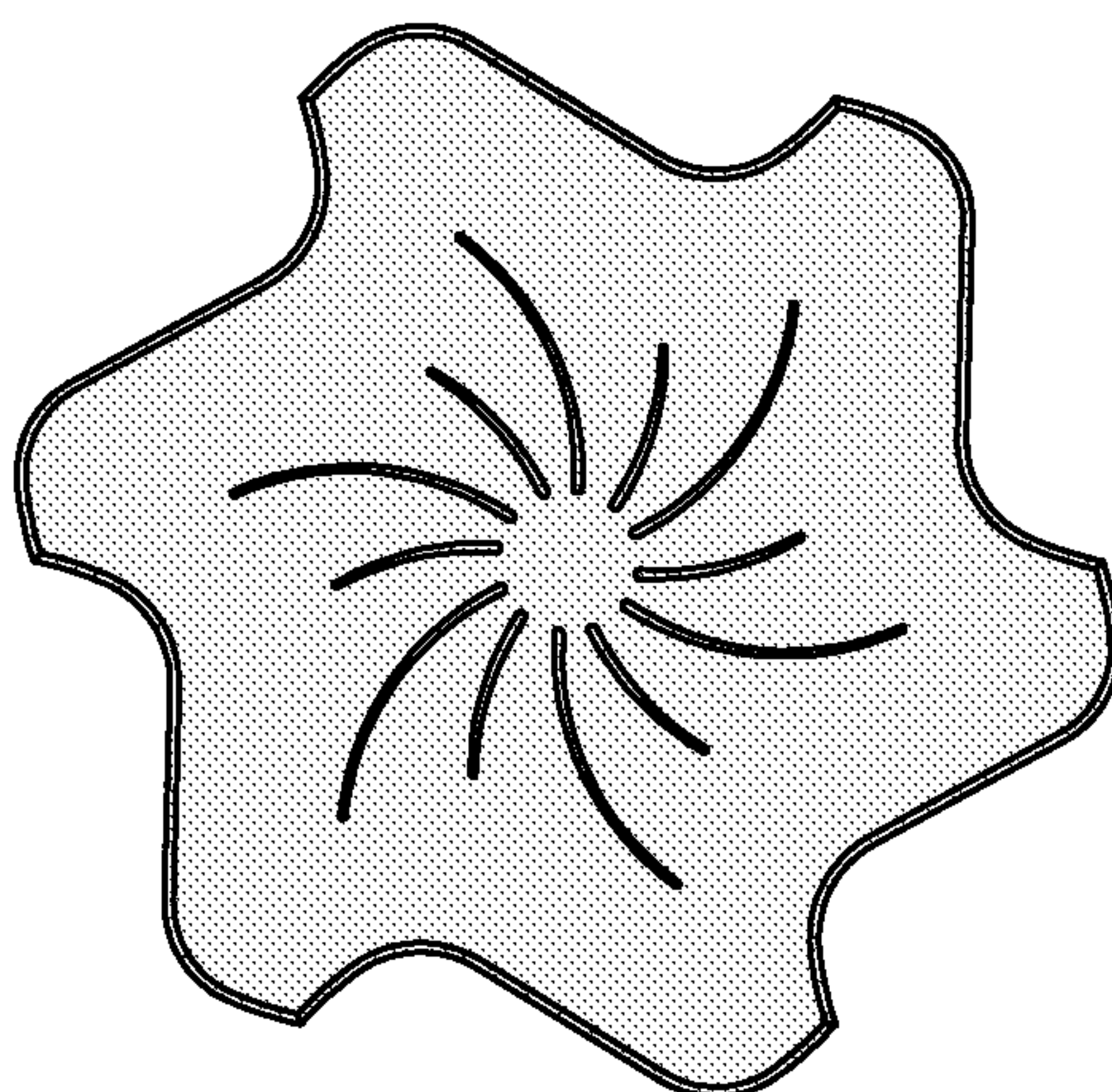


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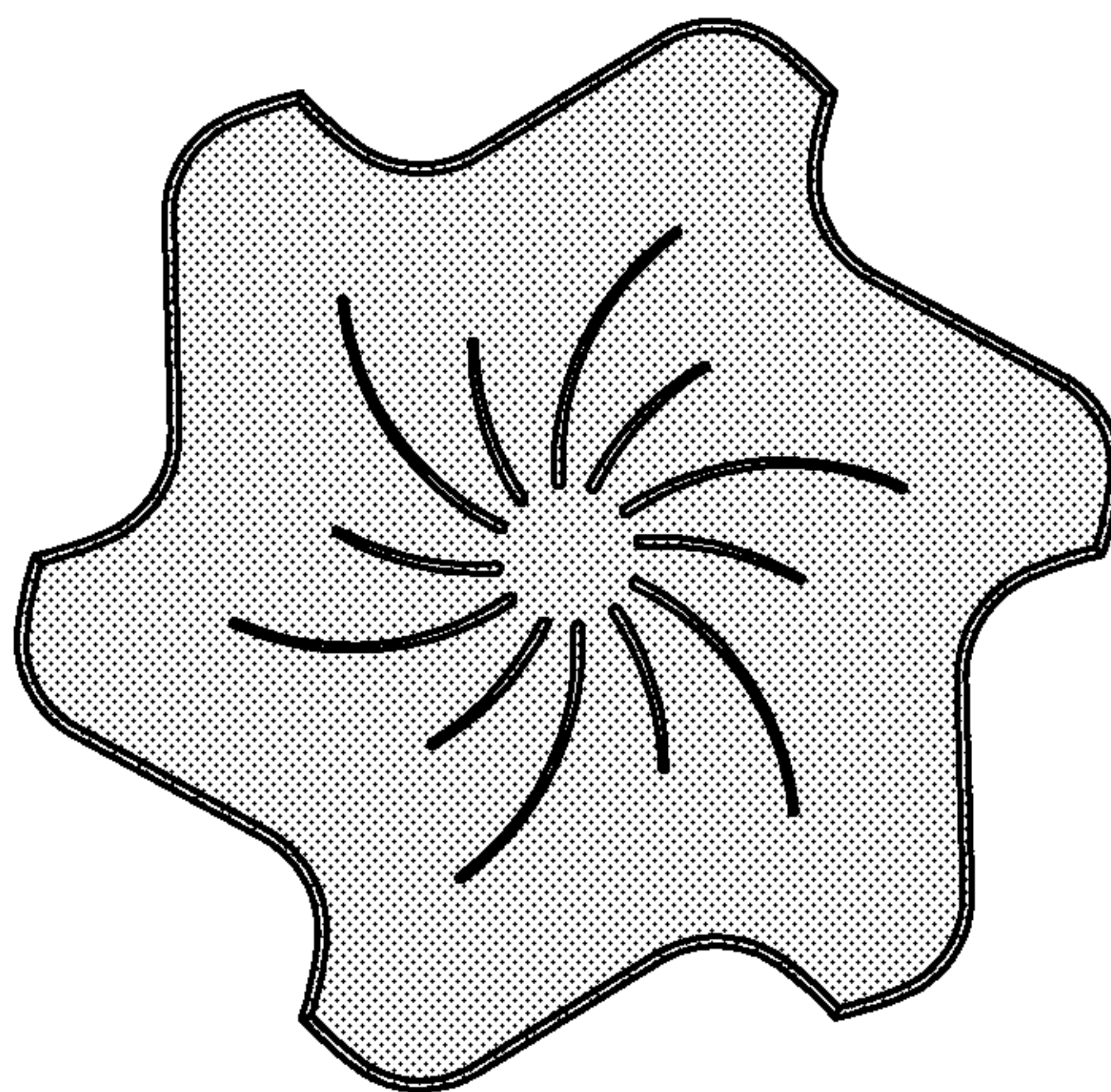


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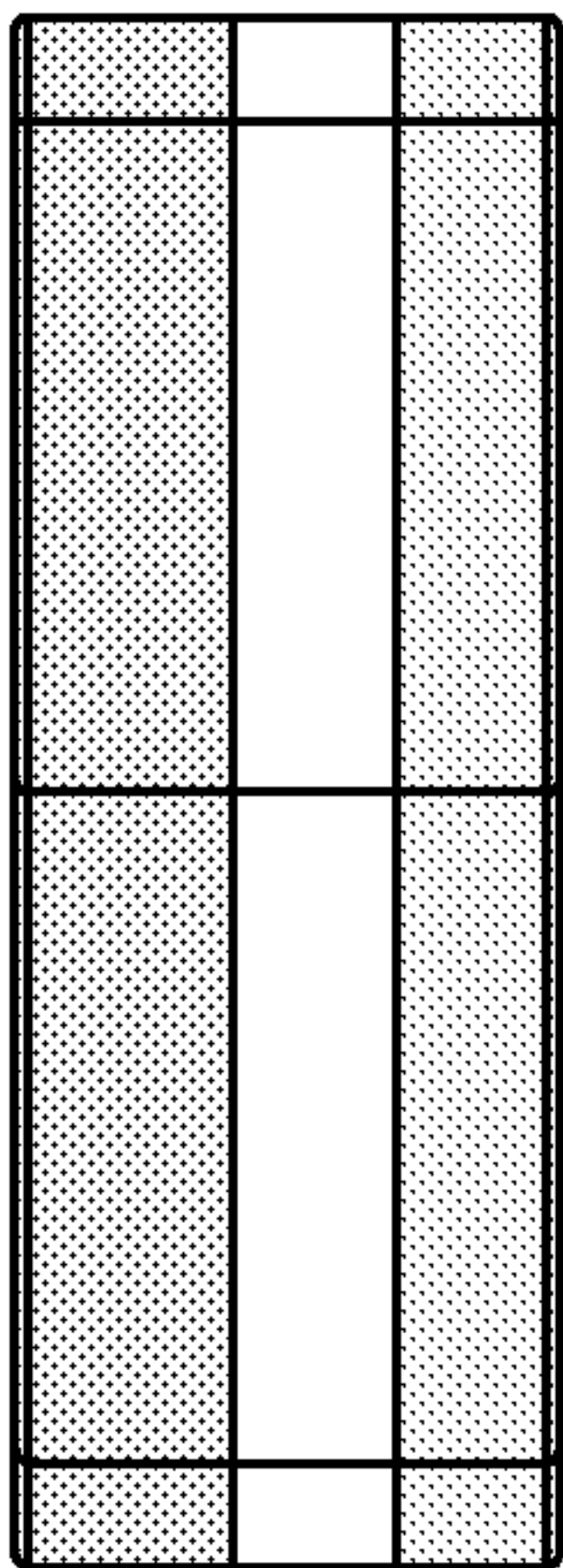


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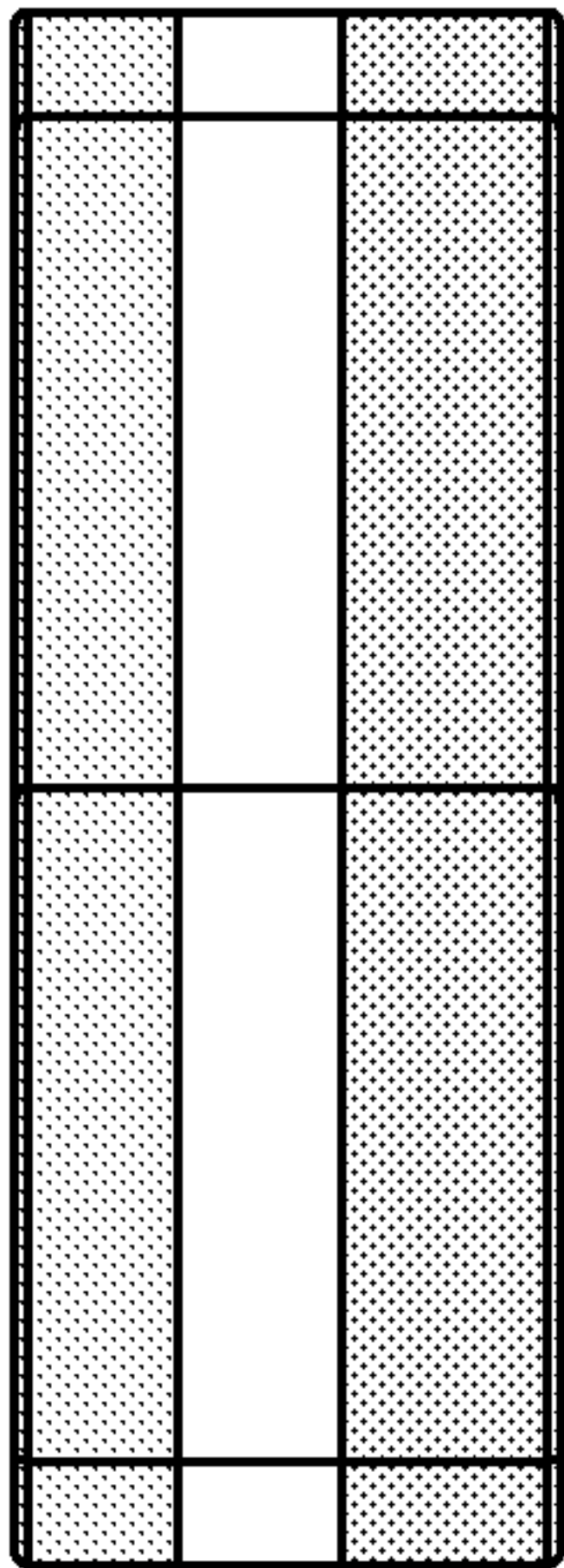


Fig. 110



Fig. 111

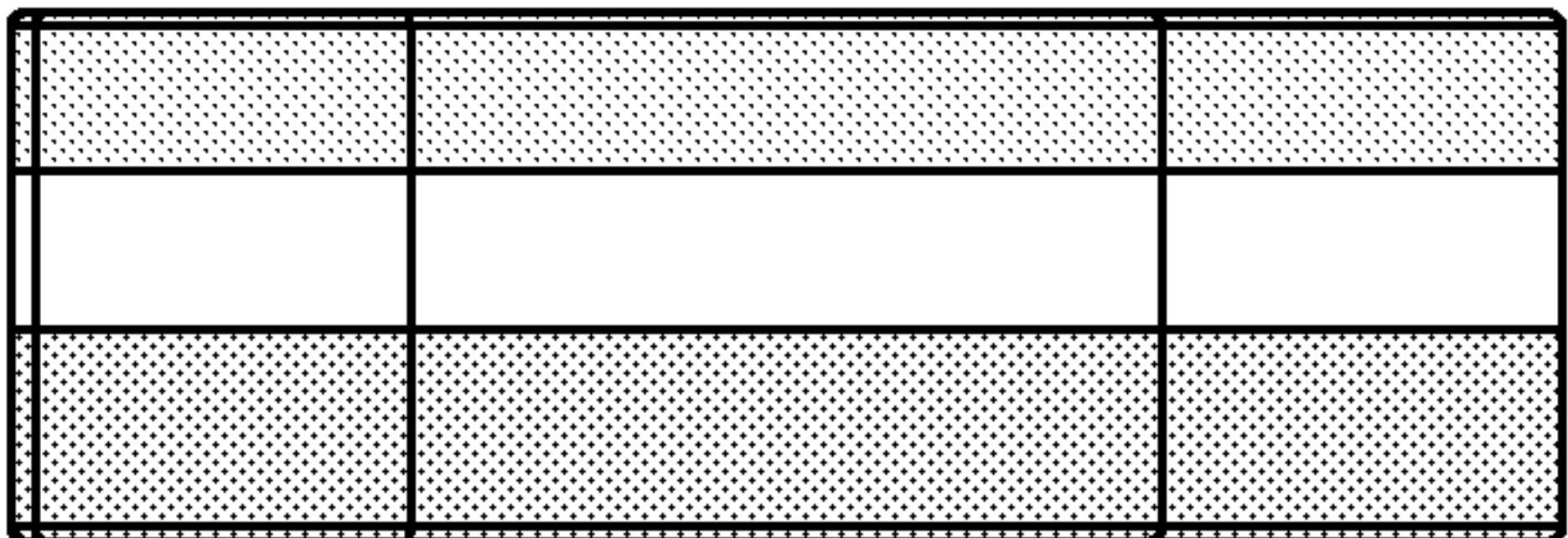


Fig. 112

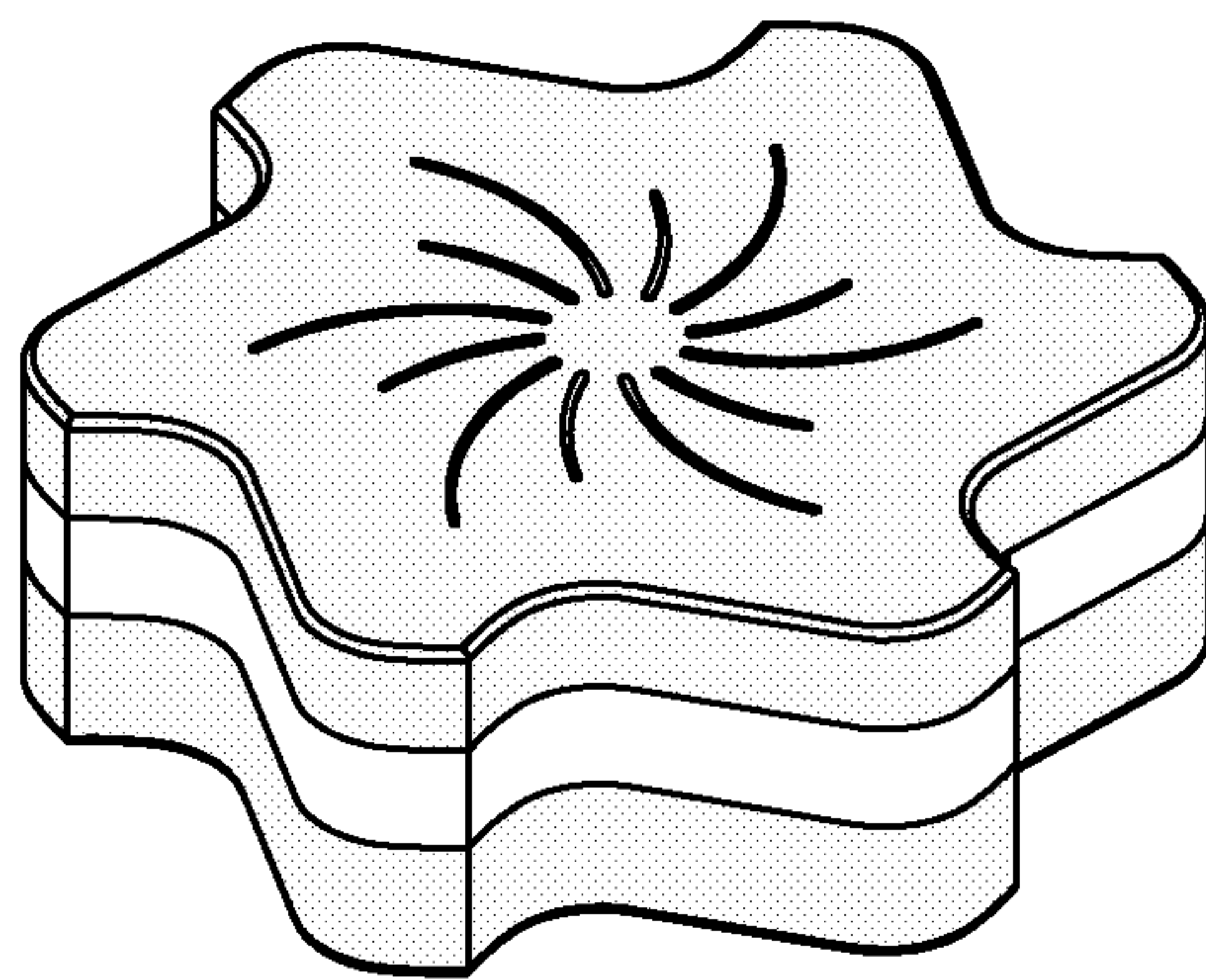


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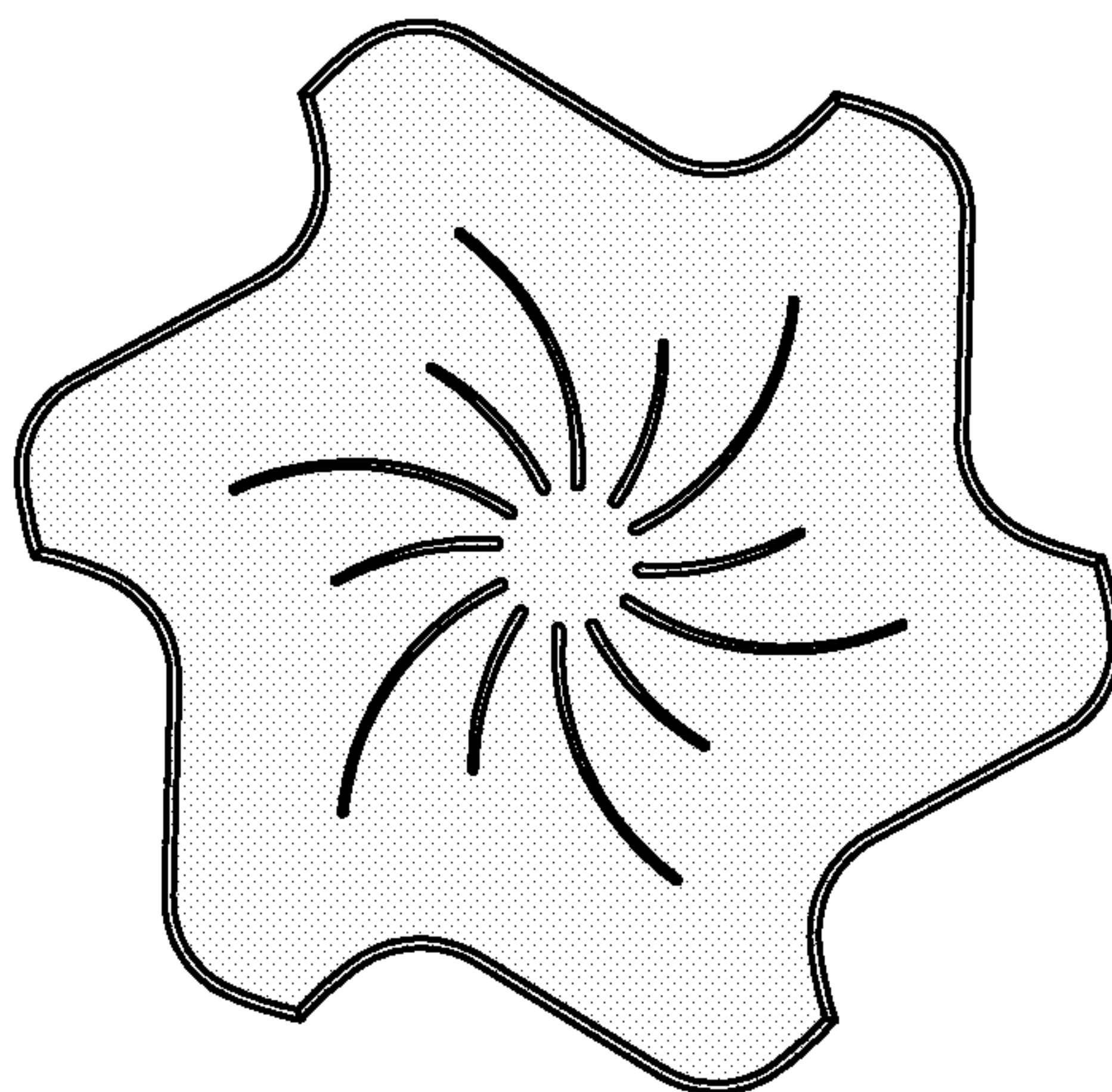


Fig. 114

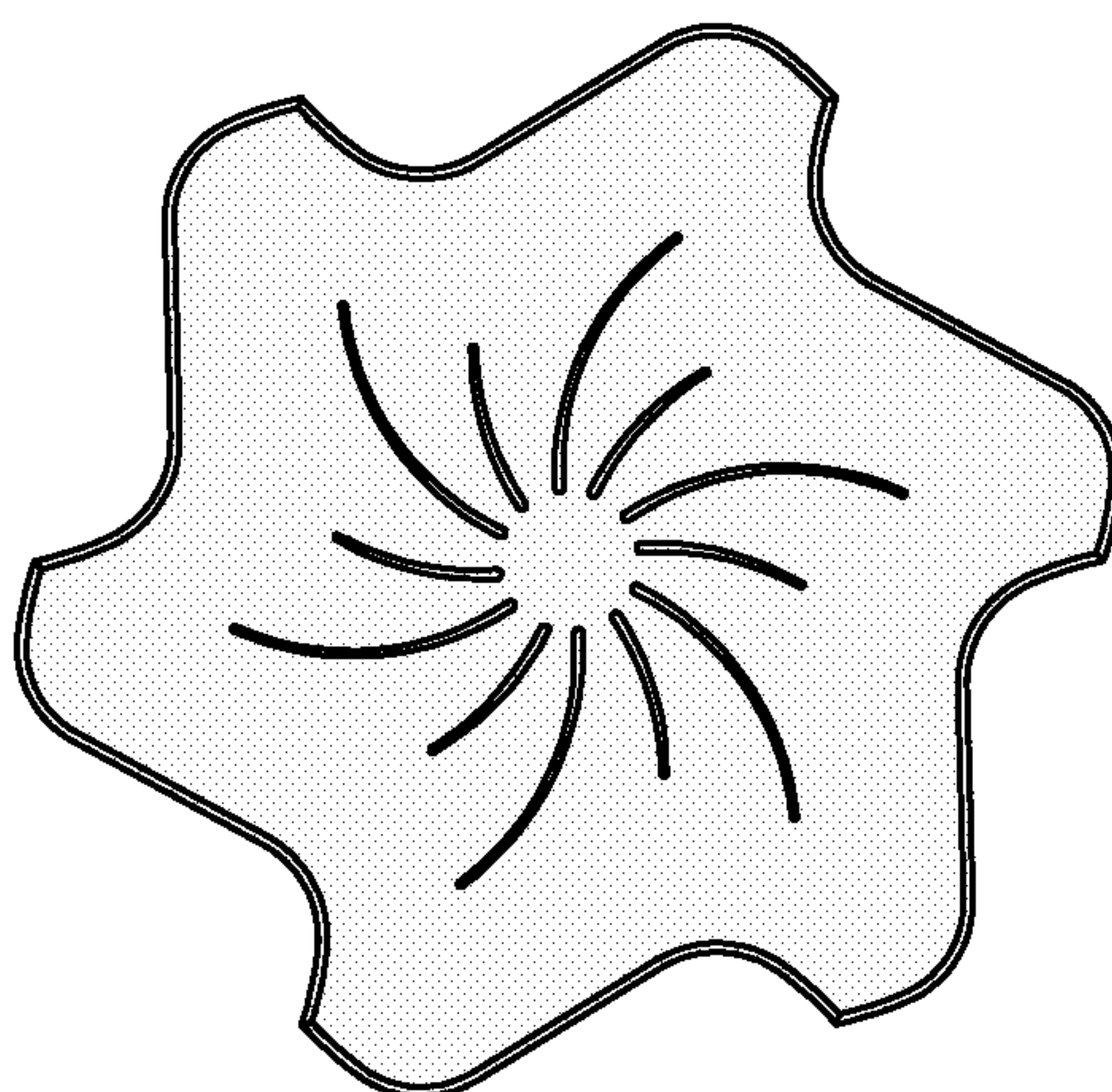


Fig. 115

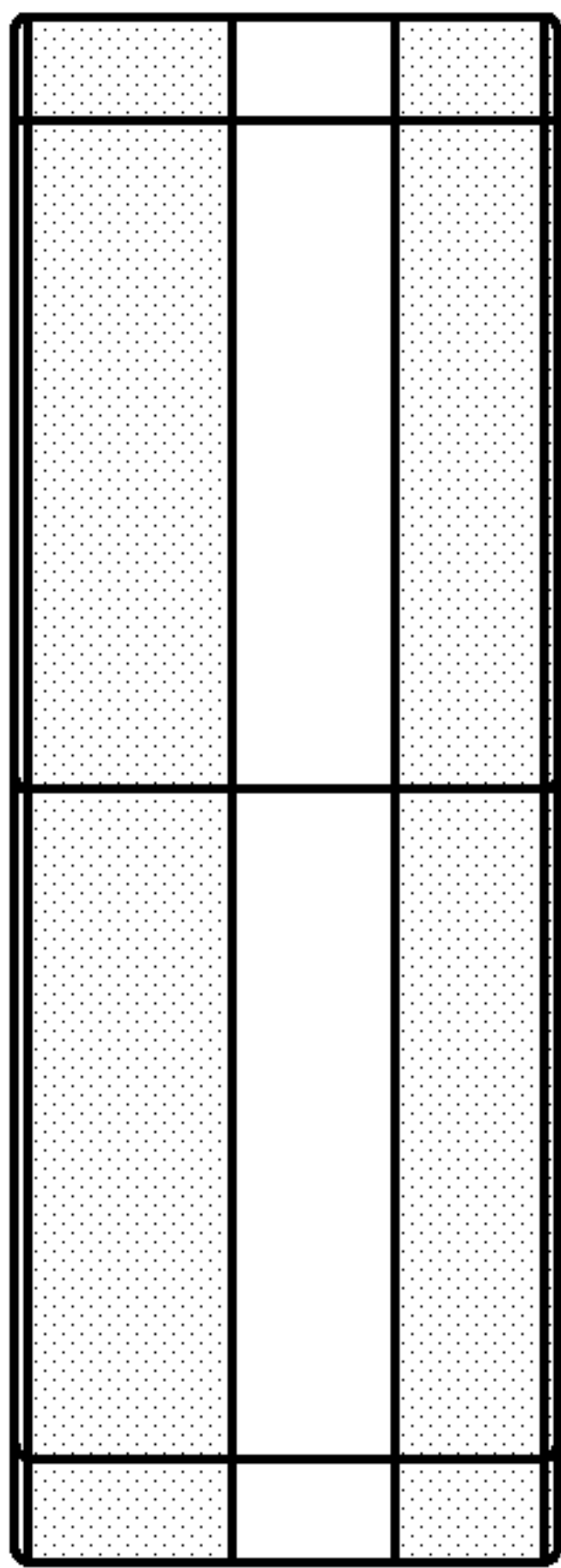


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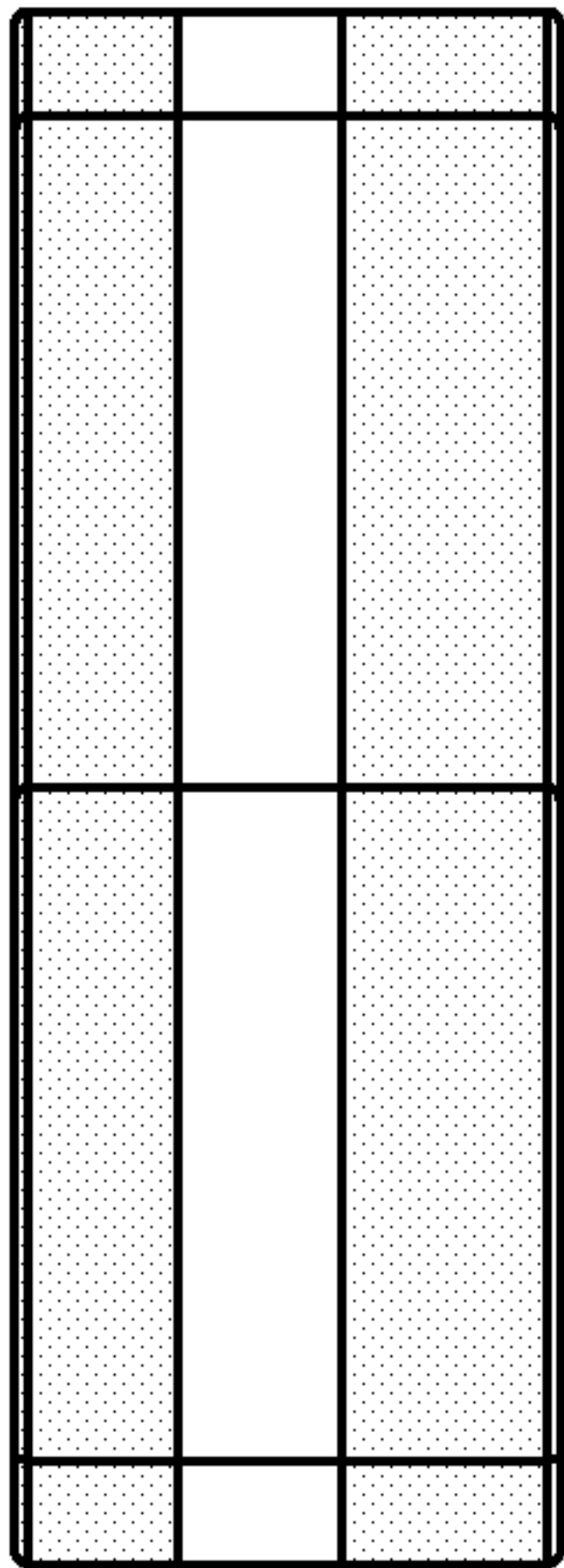


Fig. 117



Fig. 118

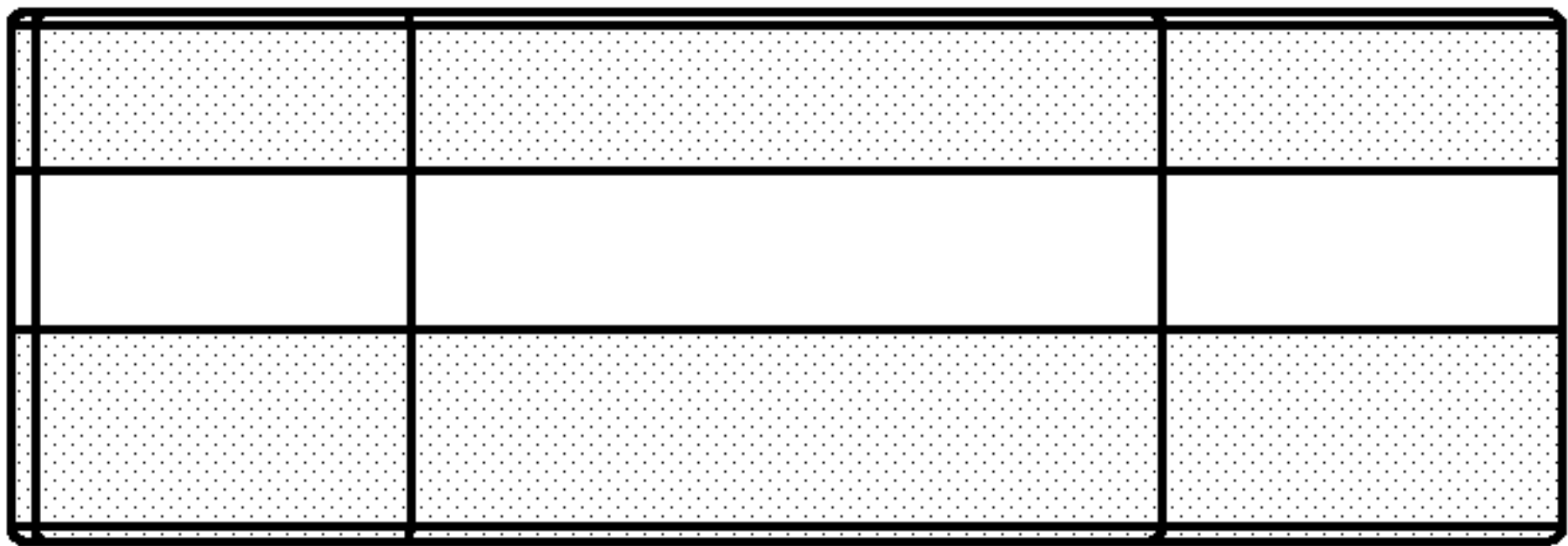


Fig. 119

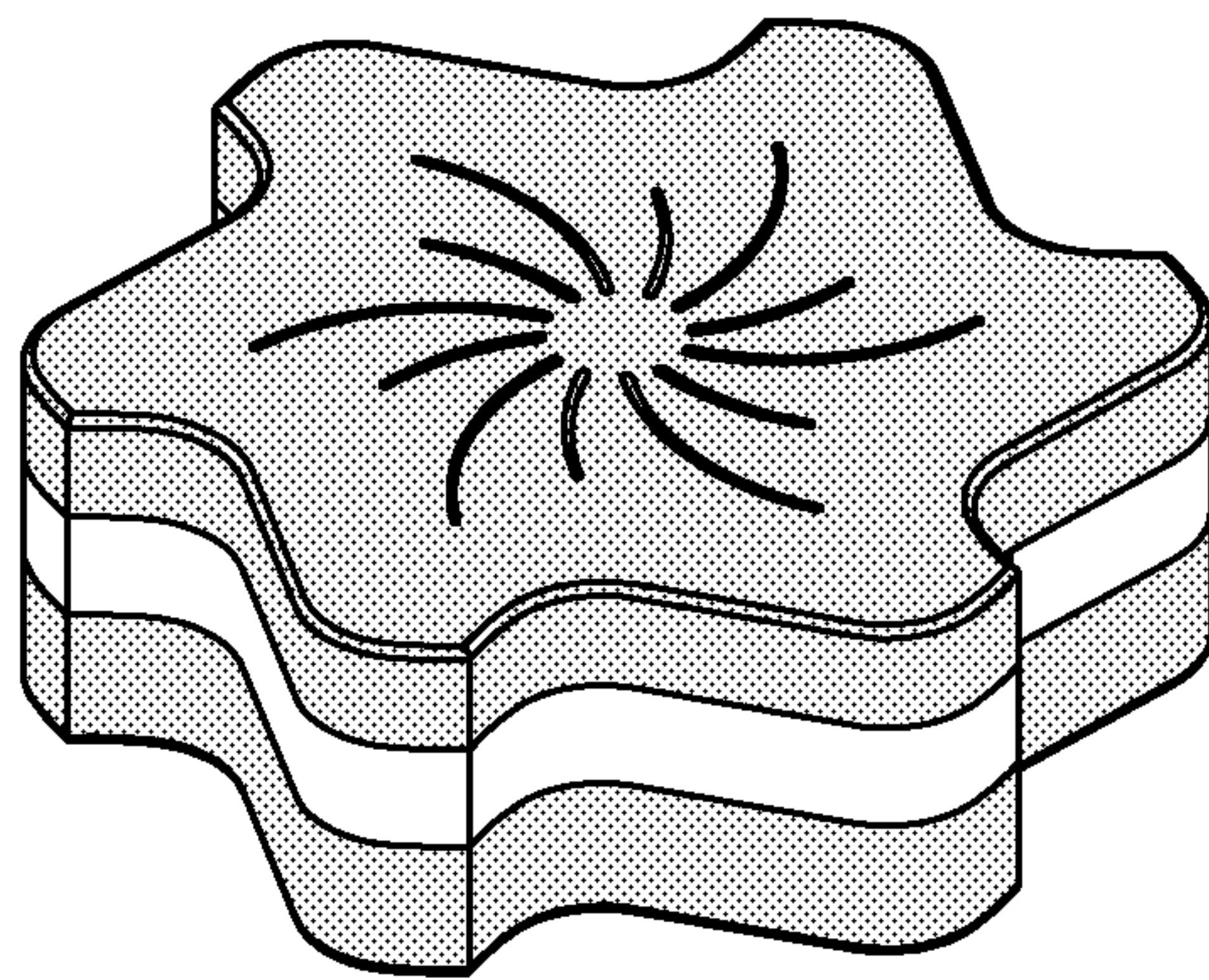


Fig. 120

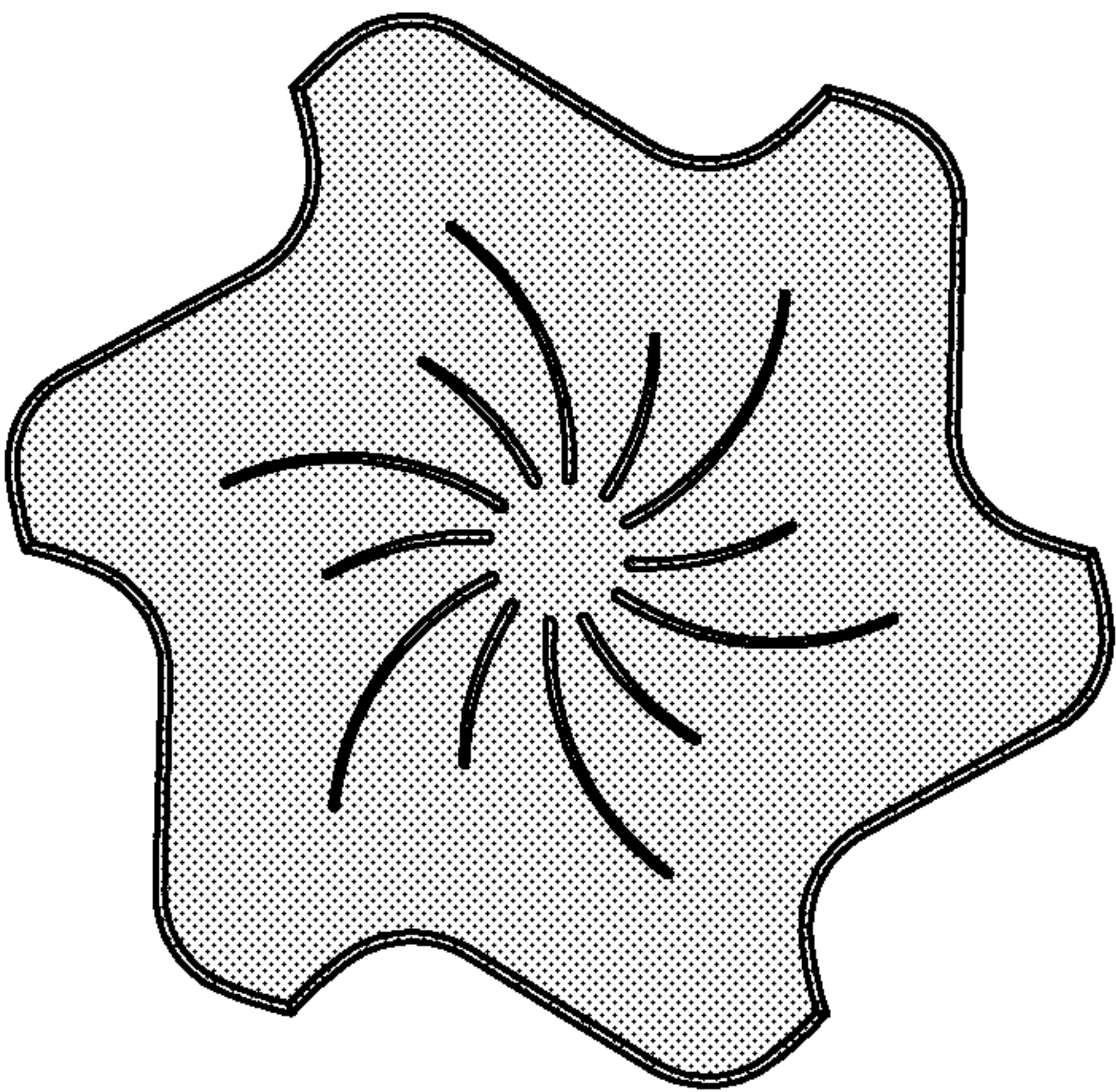


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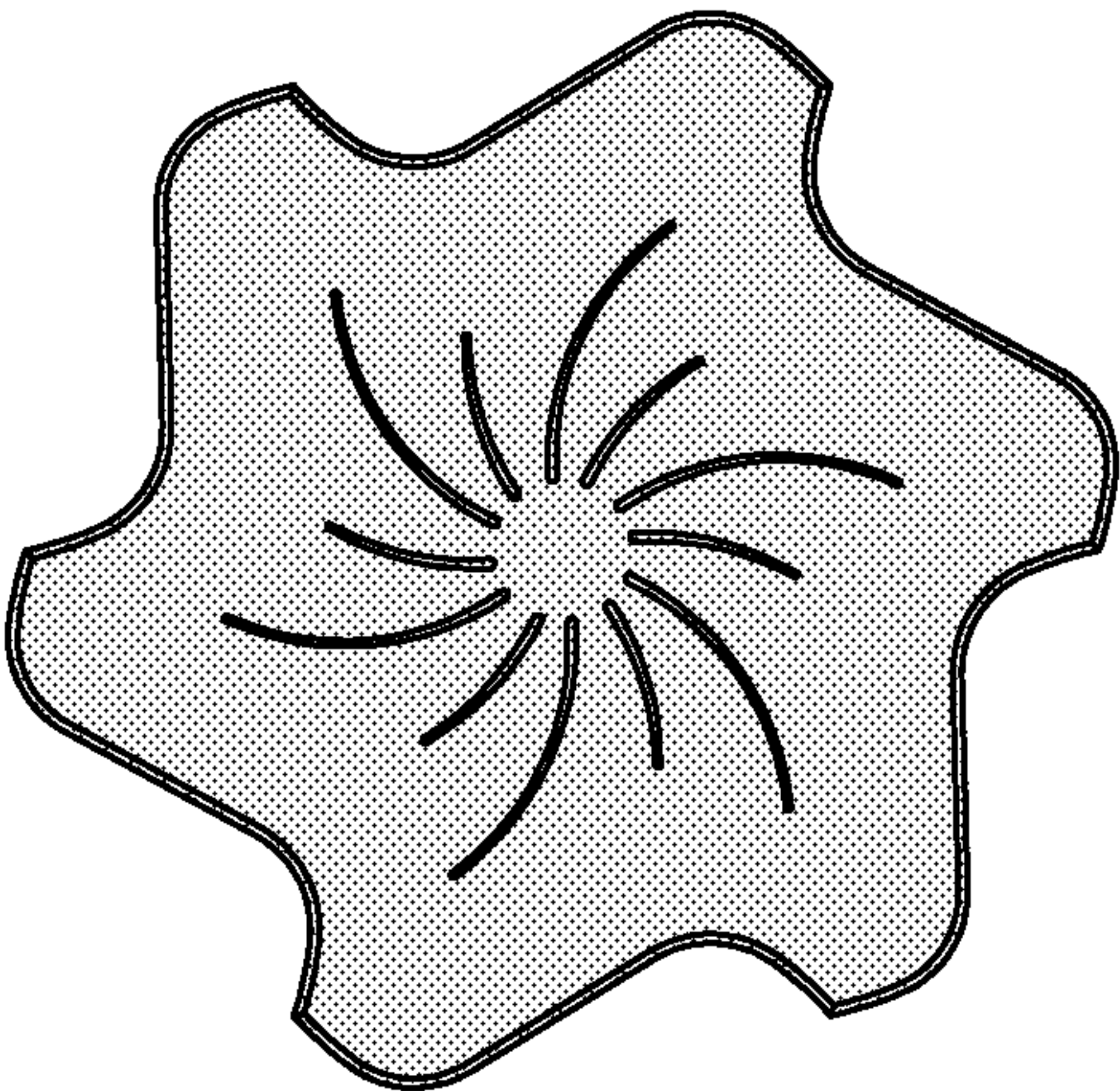


Fig. 122

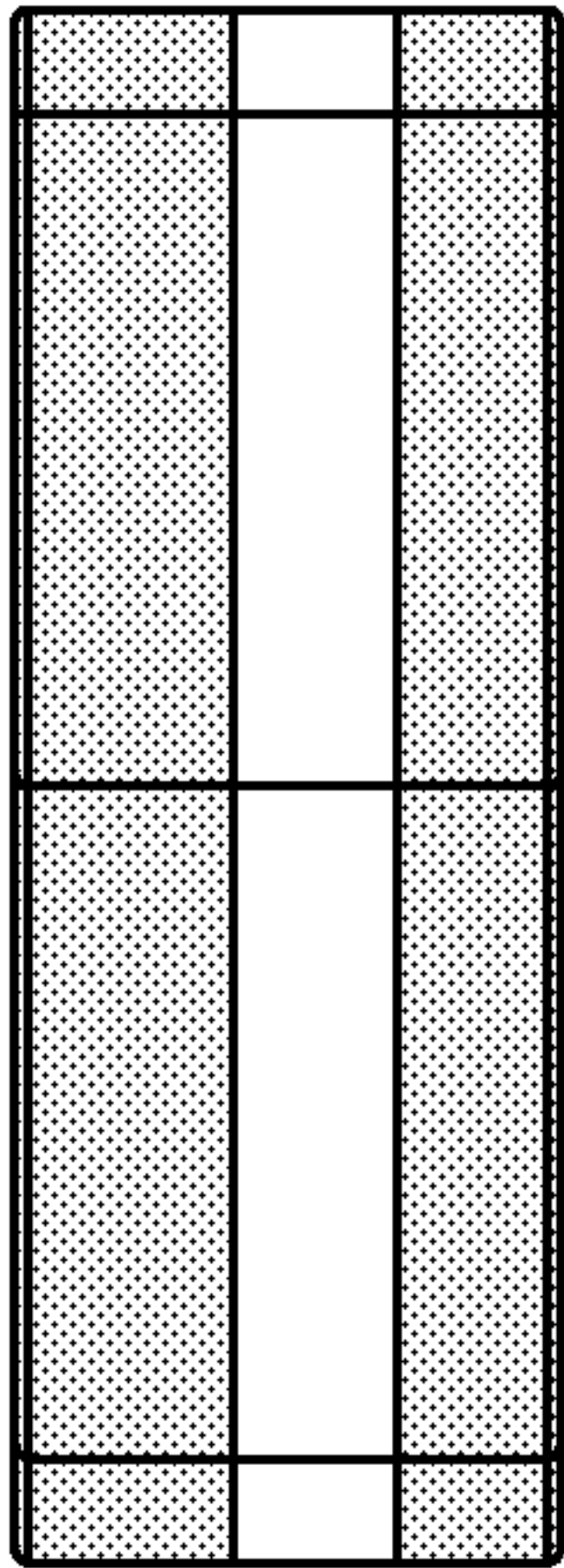


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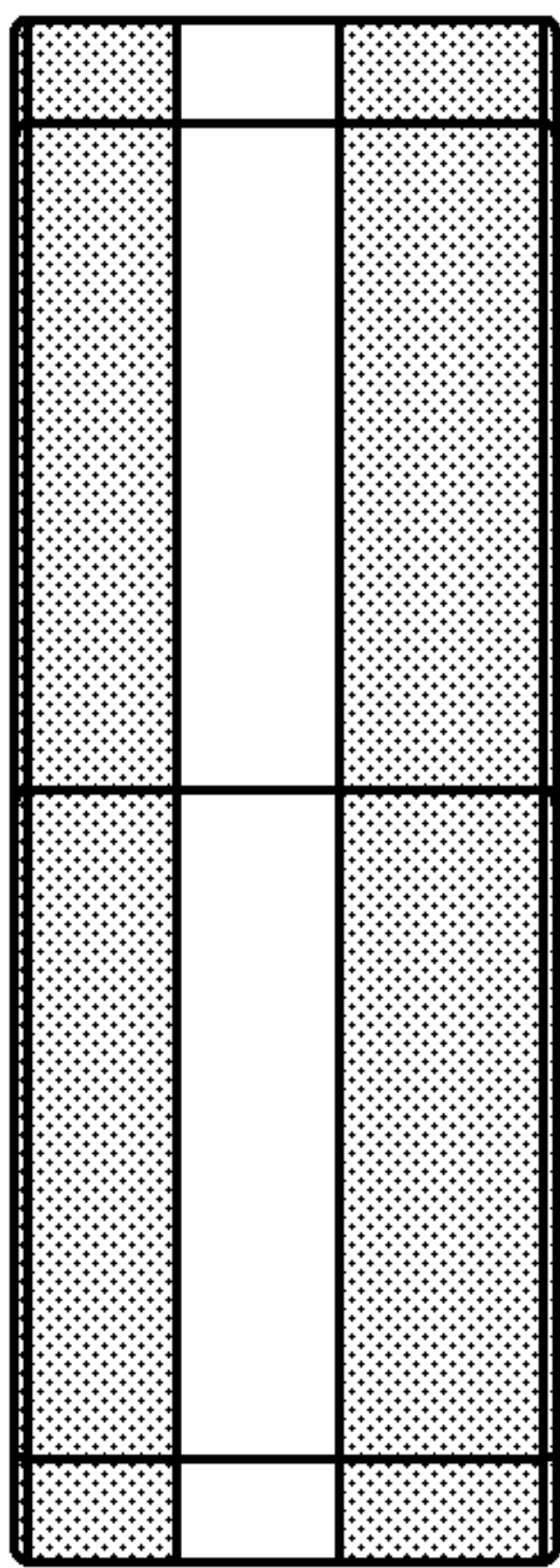


Fig. 124



Fig. 125

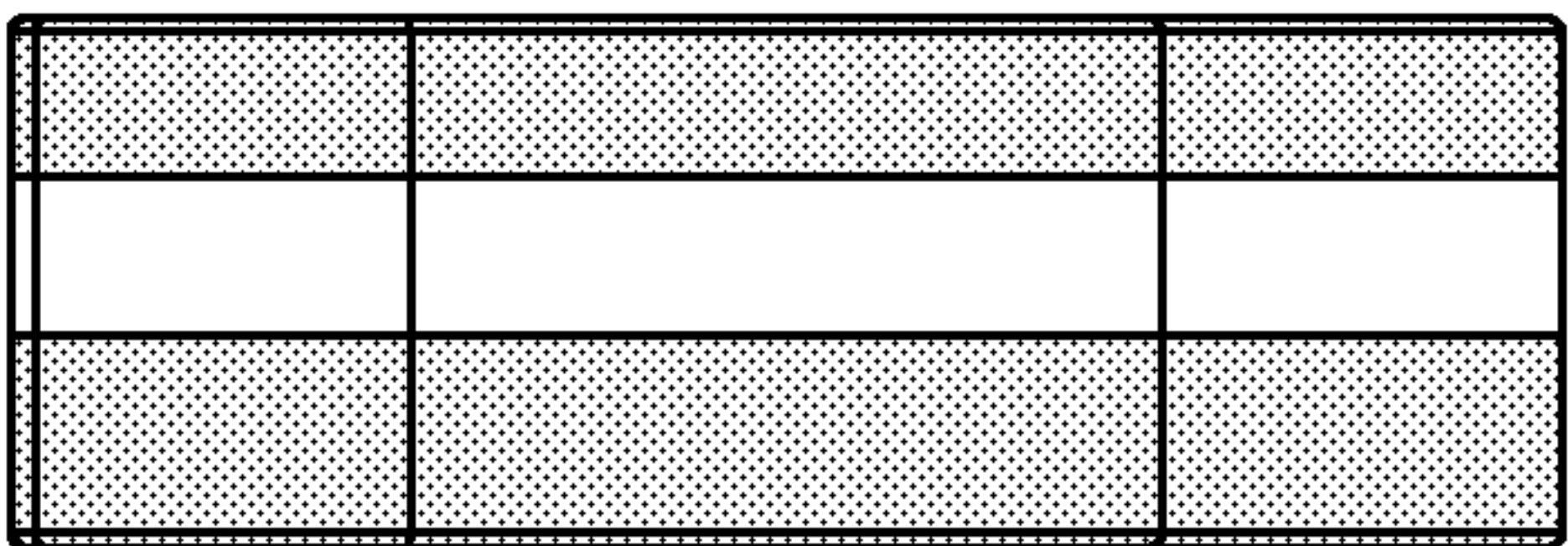


Fig. 126