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(12) **United States Design Patent** (10) **Patent No.:** **US D989,983 S**  
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(54) **AUXILIARY OBSTACLE-SURMOUNTING RAMP FOR CLEANING ROBOT**

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(73) Assignee: **BEIJING ROBOROCK TECHNOLOGY CO., LTD.**, Beijing (CN)

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(51) **LOC (14) Cl.** ..... **25-02**

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

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CPC ..... **E04F 11/108** (2013.01)

(58) **Field of Classification Search**

USPC ..... D25/48.2, 124, 48.1, 48.3, 113, 119; D15/199; D6/582, 583, 585, 587-589, D6/591, 592, 596, 597, 609; D32/15, 16, D32/19, 21

CPC ..... E04F 11/108; E01C 11/222; A61G 3/061  
See application file for complete search history.

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(57) **CLAIM**

We claim the ornamental design for an auxiliary obstacle-surmounting ramp for cleaning robot, as shown and described.

**DESCRIPTION**

FIG. 1.1 is a front view of an auxiliary obstacle-surmounting ramp for cleaning robot;  
FIG. 1.2 is a back view thereof;  
FIG. 1.3 is a left view thereof;  
FIG. 1.4 is a right view thereof;  
FIG. 1.5 is a top view thereof;  
FIG. 1.6 is a bottom view thereof;  
FIG. 1.7 is an enlarged views of FIG. 1.5;  
FIG. 1.8 is an enlarged views of FIG. 1.6;  
FIG. 1.9 is a front perspective view thereof;  
FIG. 1.10 is a back perspective view thereof.  
FIG. 1.11 is another back perspective view thereof. and

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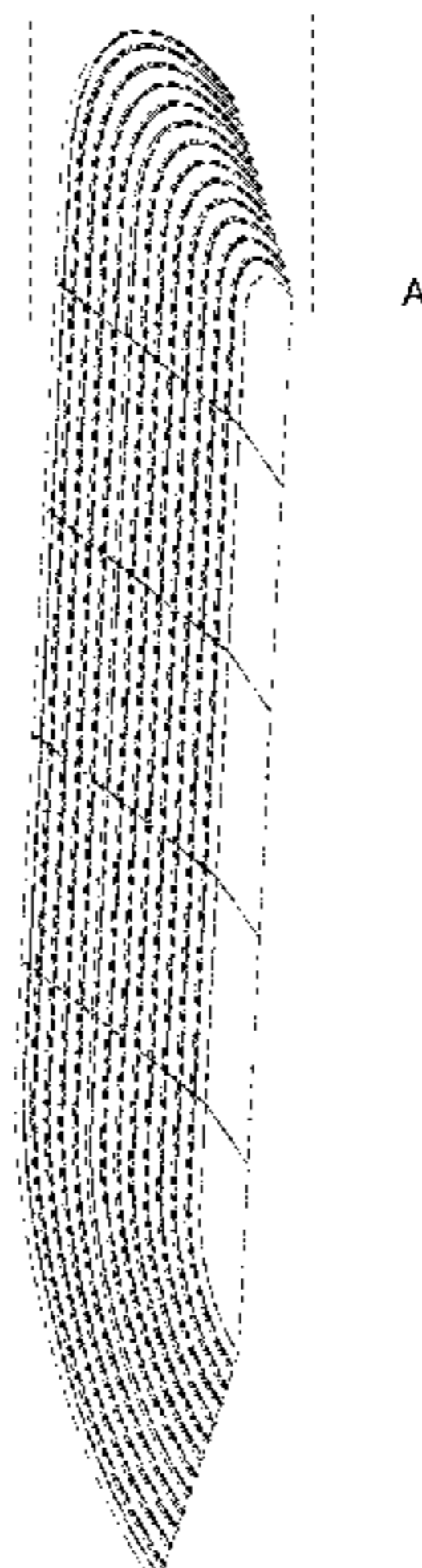


FIG. 1.12 is a partially enlarged view of a part "A" circled in FIG. 1.9.

**1 Claim, 8 Drawing Sheets**

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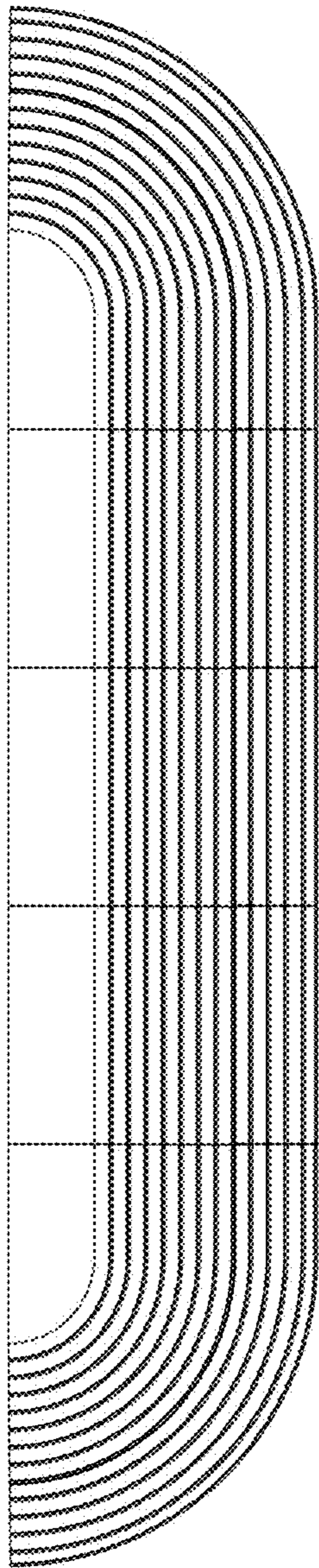
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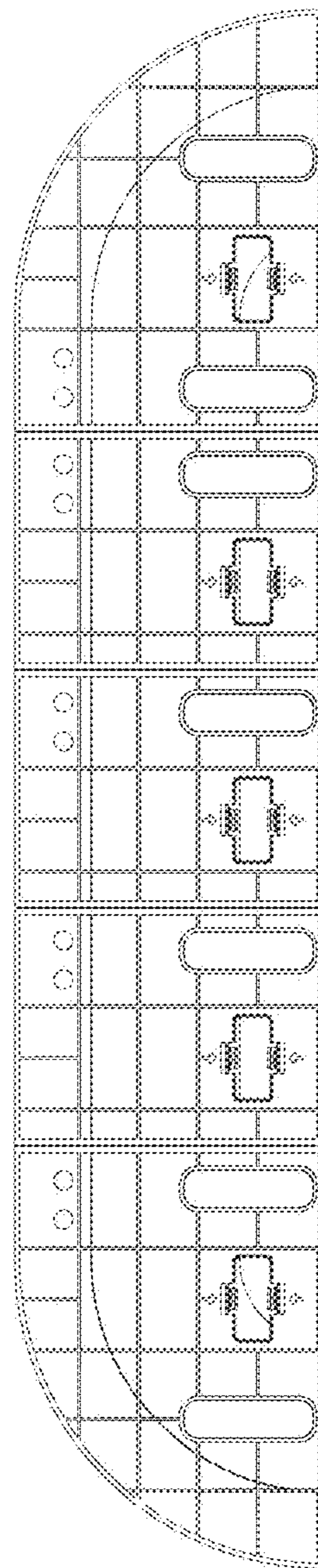
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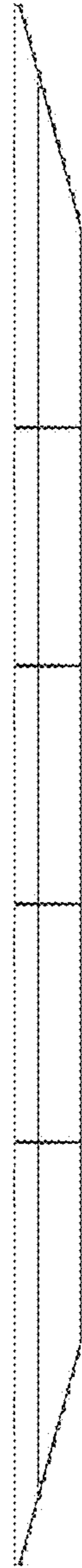


1.1

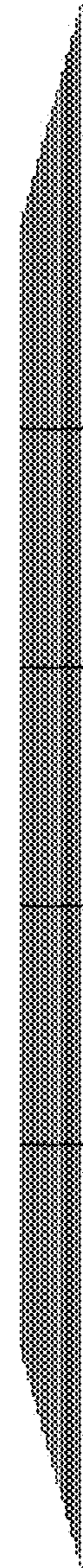


1.2





1.3



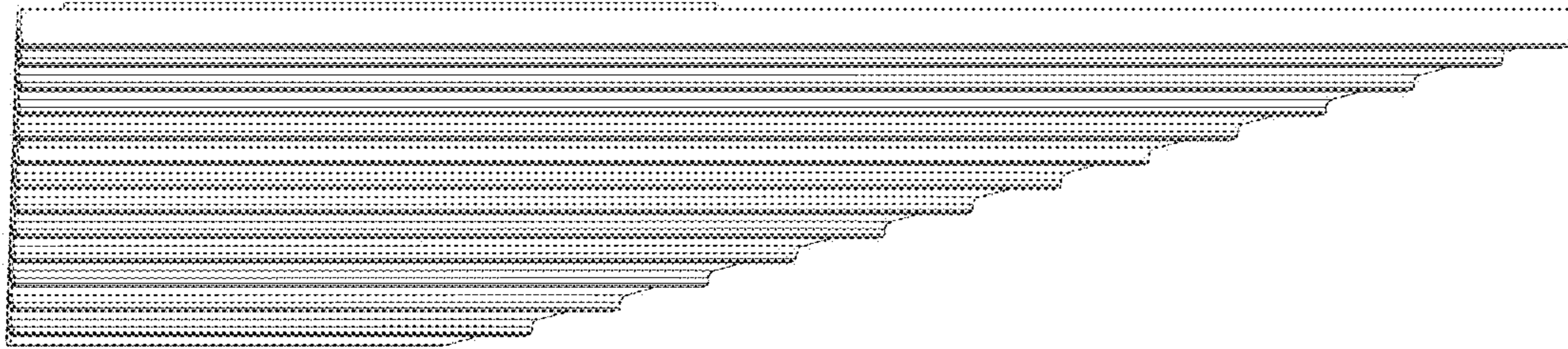
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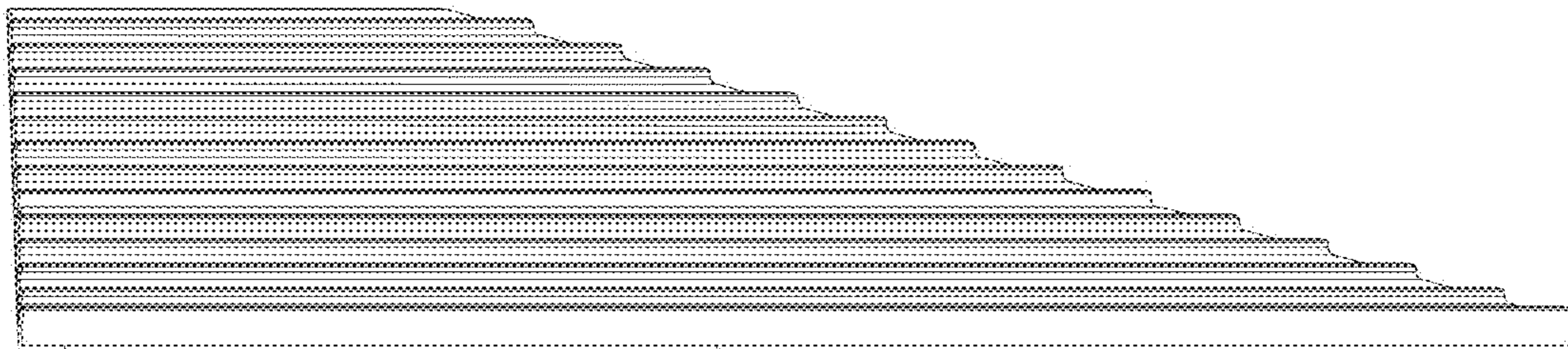
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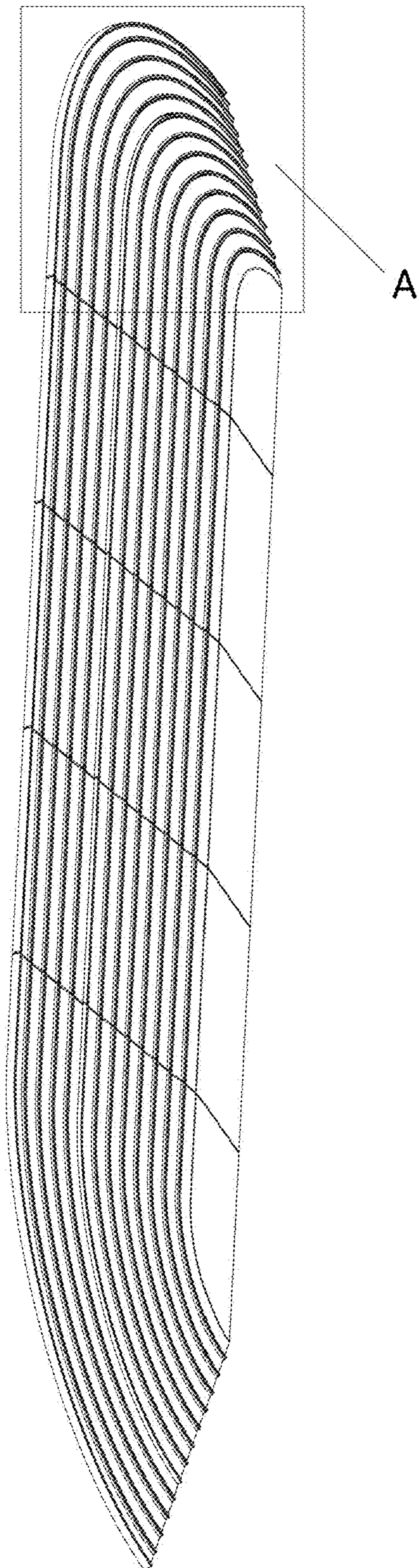
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1.7

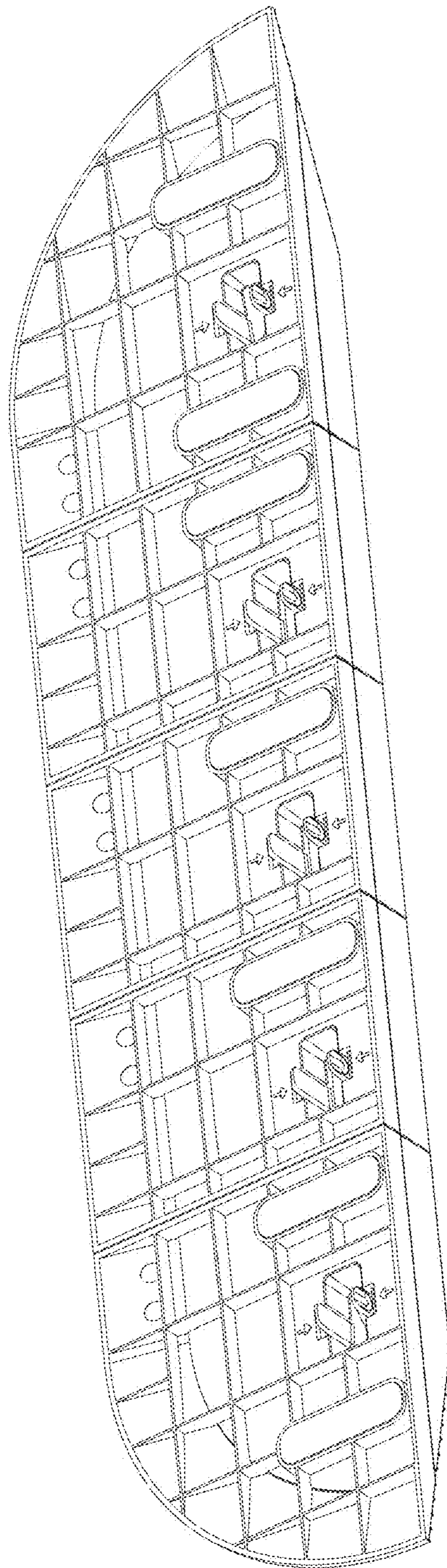


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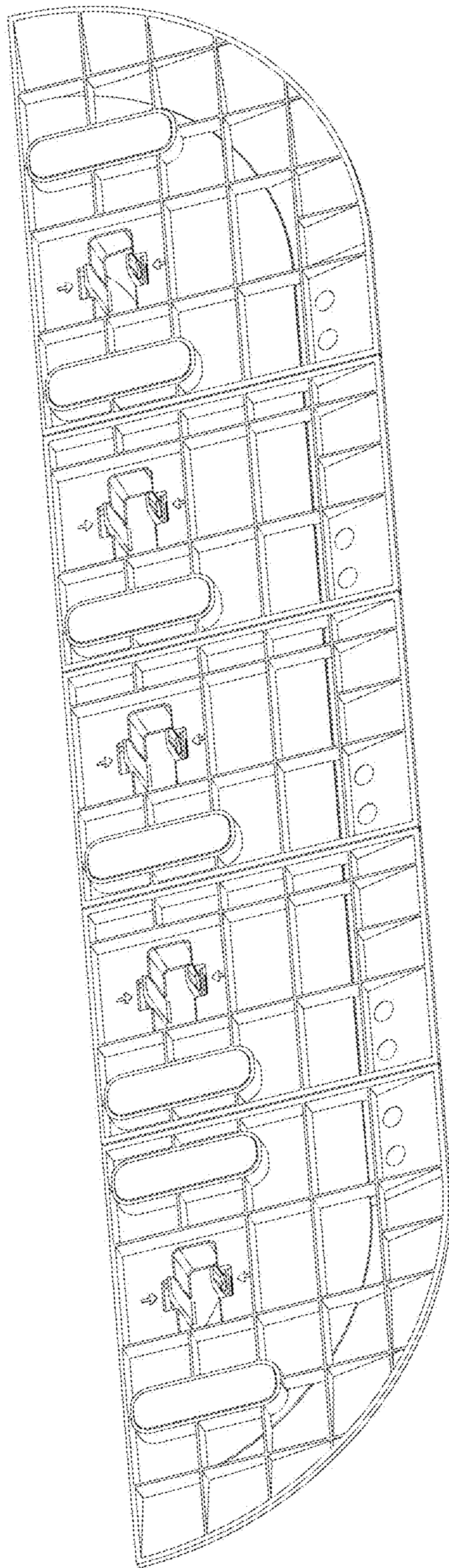
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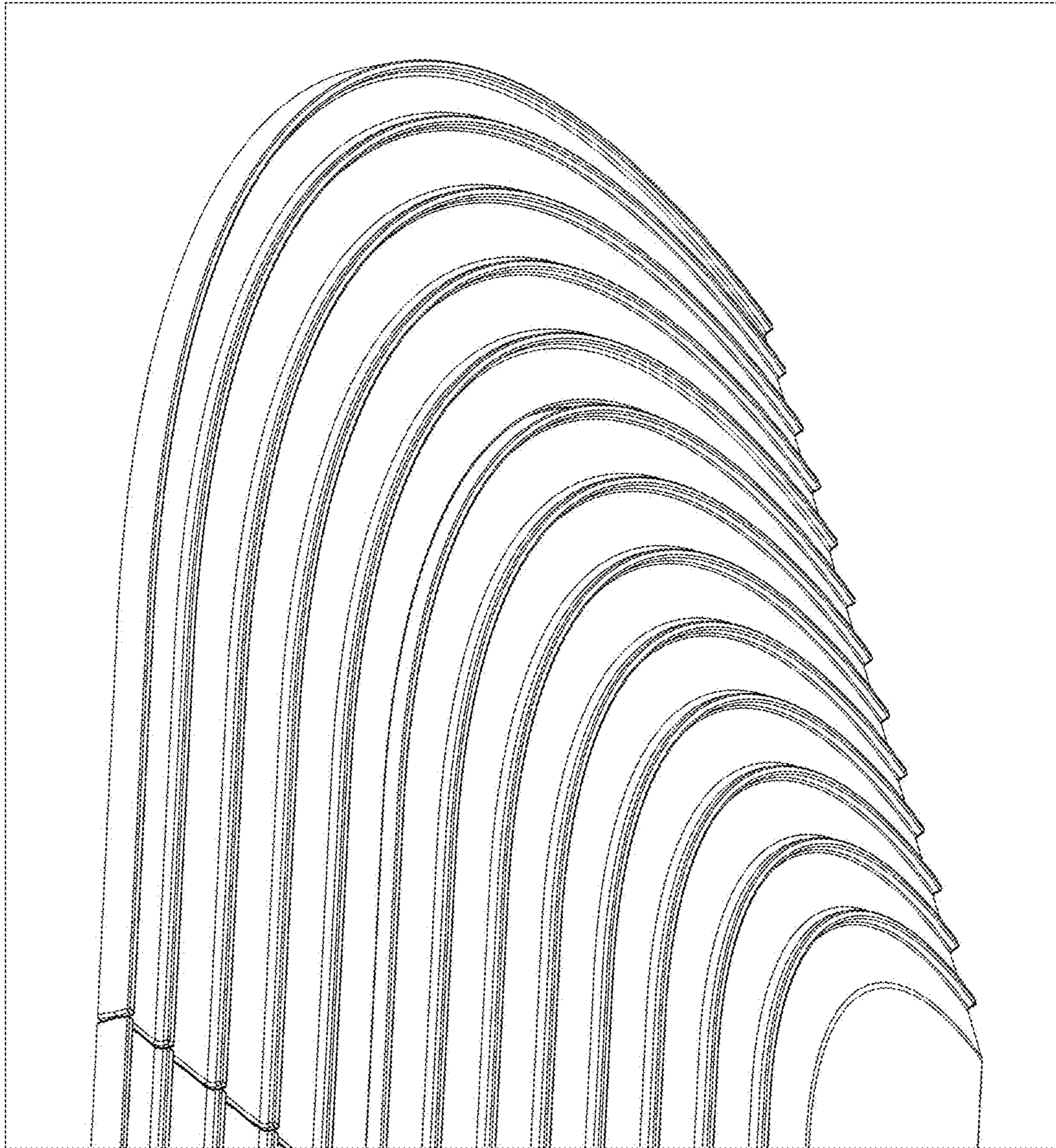


1.10





1.11



1.12