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(12) **United States Design Patent** (10) **Patent No.:** **US D871,479 S**  
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(54) **GRIPPER FOR INDUSTRIAL ROBOT**

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(73) Assignee: **Nitta Corporation**, Osaka-Shi (JP)

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

(21) Appl. No.: **29/693,808**

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(30) **Foreign Application Priority Data**

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Jan. 17, 2017	(JP)	2017-000646
Jan. 17, 2017	(JP)	2017-000647
Jan. 17, 2017	(JP)	2017-000648
Jan. 17, 2017	(JP)	2017-000649
Jan. 17, 2017	(JP)	2017-000650
Jan. 17, 2017	(JP)	2017-000651
Jan. 17, 2017	(JP)	2017-000652
Jan. 17, 2017	(JP)	2017-000653
Jan. 17, 2017	(JP)	2017-000654
Jan. 17, 2017	(JP)	2017-000655
Jan. 17, 2017	(JP)	2017-000656
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(51) **LOC (12) Cl.** ..... **15-99**

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USPC ..... **D15/199**

(58) **Field of Classification Search**

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CPC ..... B25J 11/0045; B25J 15/08; B25J 15/024;  
B25J 15/026; B25J 15/0475; B25J  
15/0042; B65G 47/90; H05K 13/02;  
Y10S 294/902; Y10S 294/907

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,172,693 A	3/1965	Hansen
3,322,455 A	5/1967	Gressbach
3,851,769 A	12/1974	Noguchi et al.
4,461,608 A	7/1984	Boda

(Continued)

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(57) **CLAIM**

The ornamental design for a gripper for industrial robot, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a gripper for industrial robot illustrating our new design;

FIG. 2 is a bottom perspective view thereof;

FIG. 3 is a front view thereof;

FIG. 4 is a rear view thereof;

FIG. 5 is a right view thereof;

FIG. 6 is a left view thereof;

FIG. 7 is a top view thereof; and,

FIG. 8 is a bottom view thereof.

The gripper for industrial robot comprises a finger portion to grip an object.

The broken lines in the drawings depict portions of the gripper for industrial robot which form no part of the claimed design.

**1 Claim, 8 Drawing Sheets**

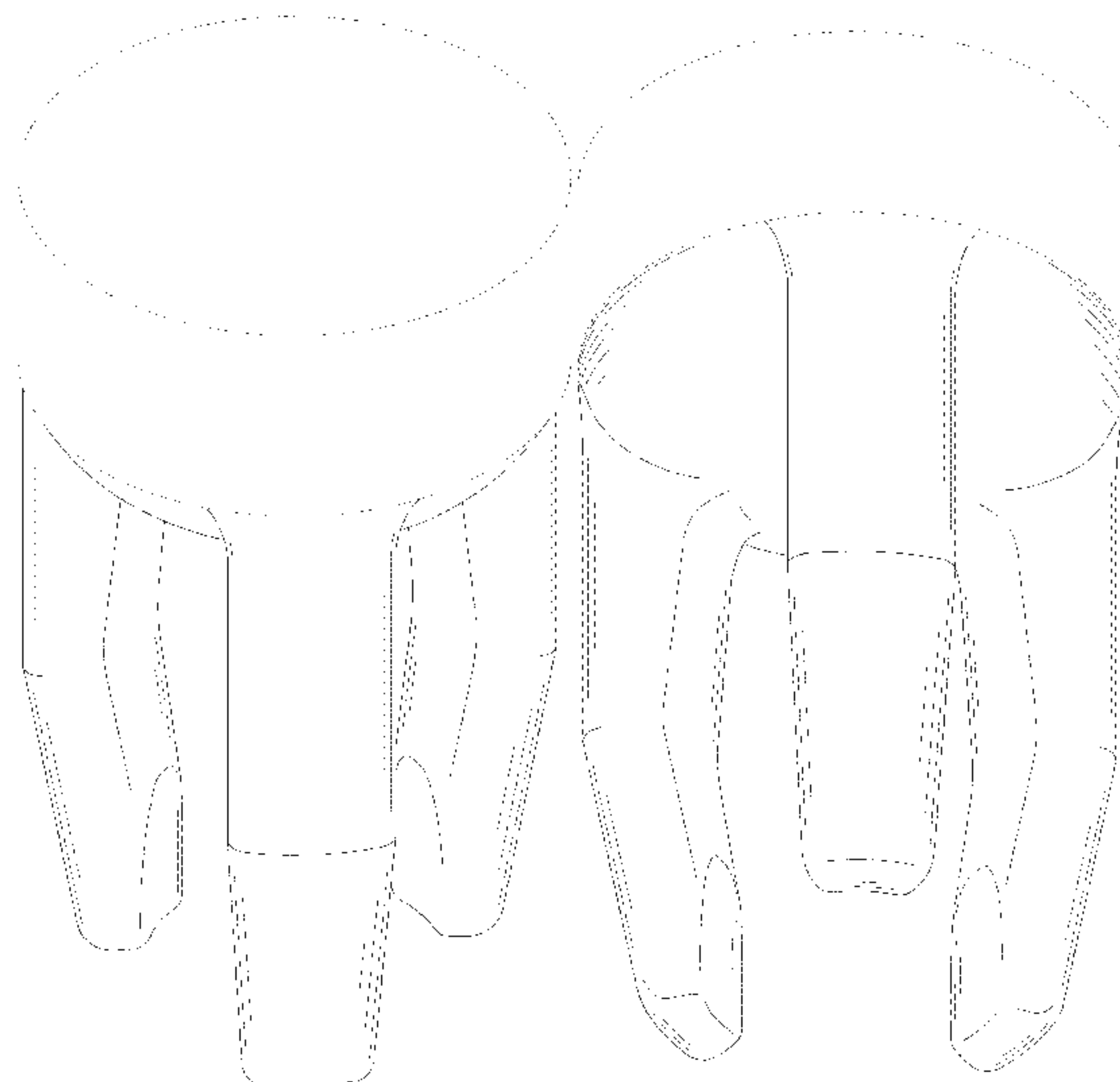




Fig. 1

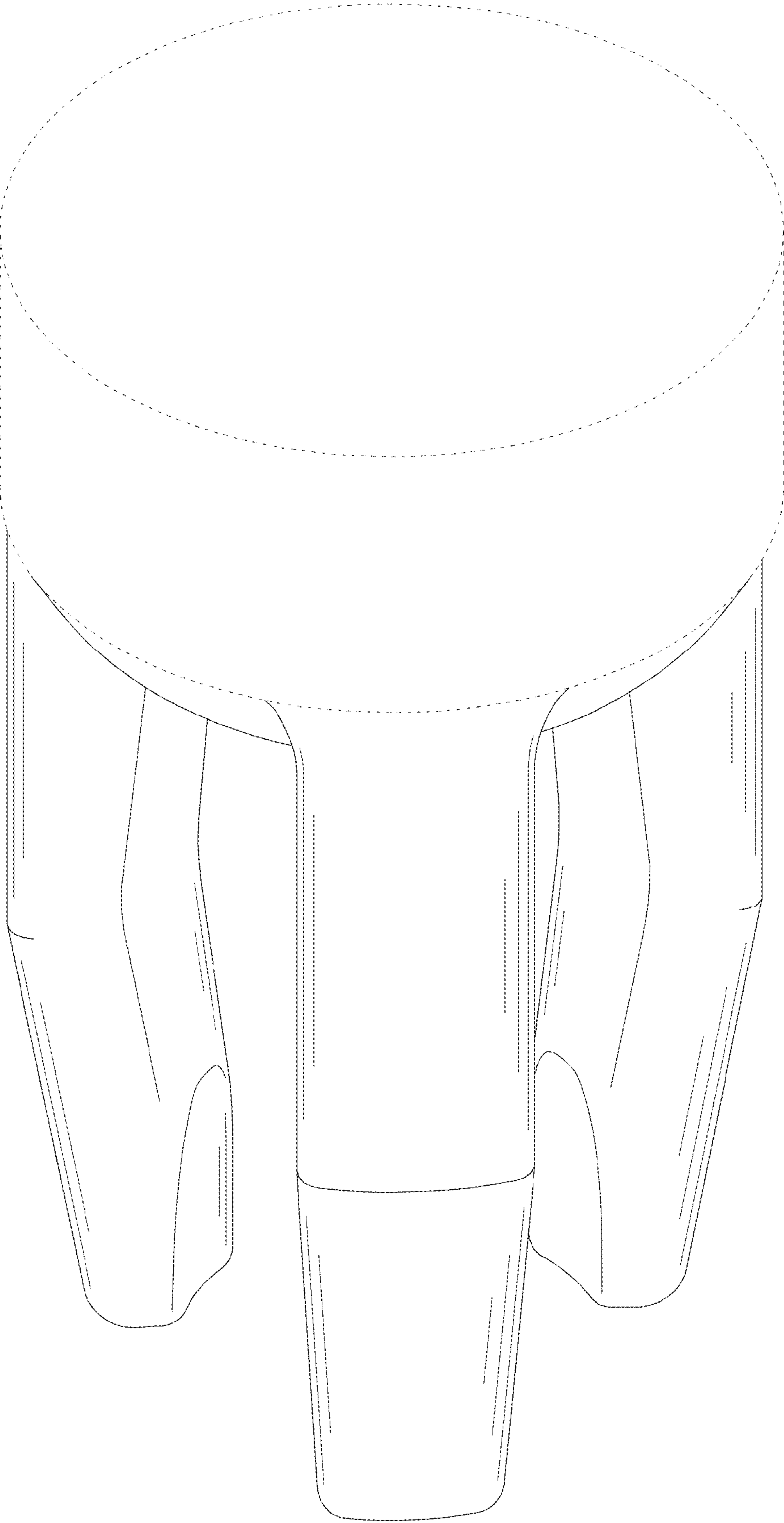


Fig. 2

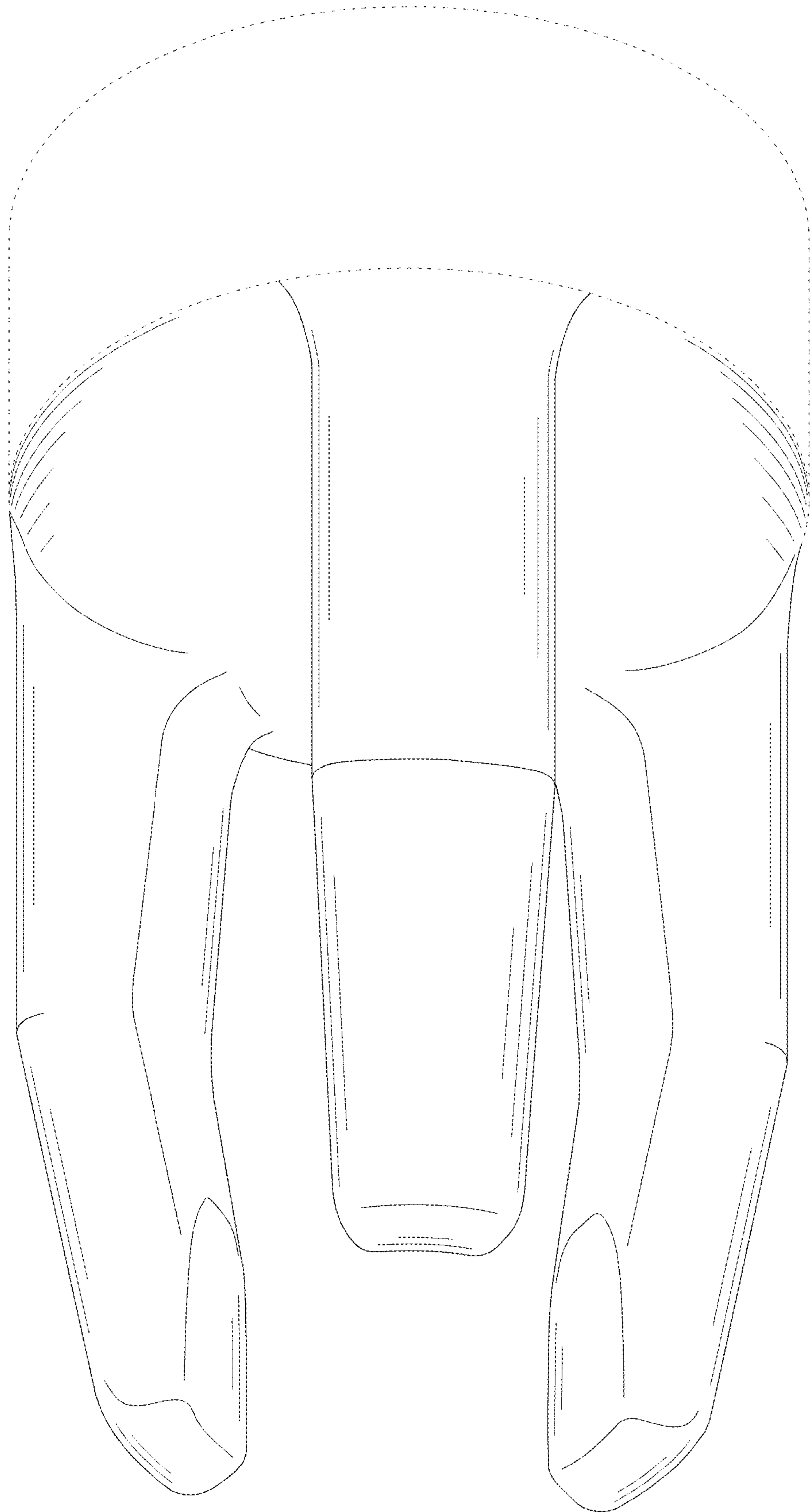


Fig. 3

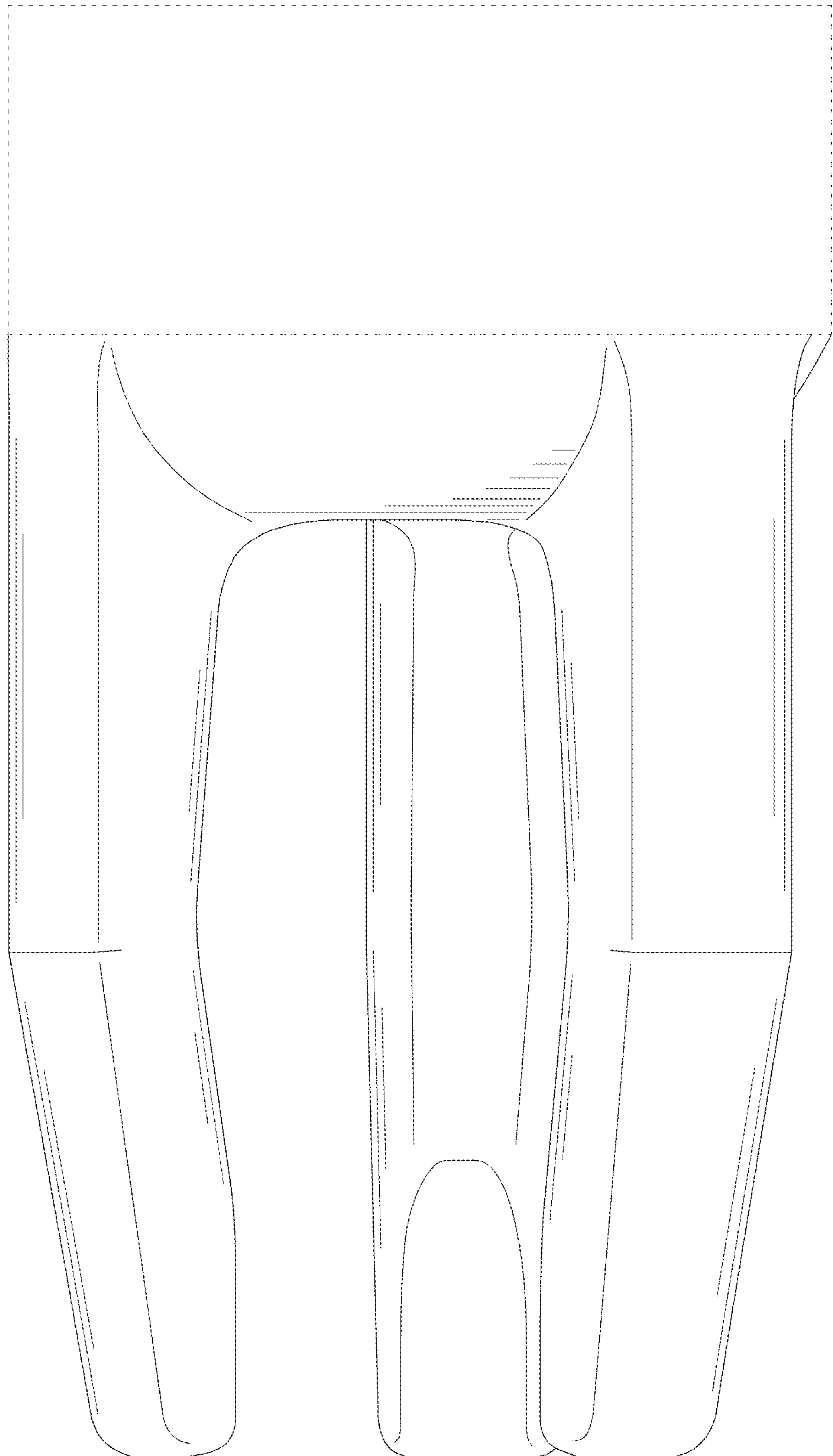




Fig. 4

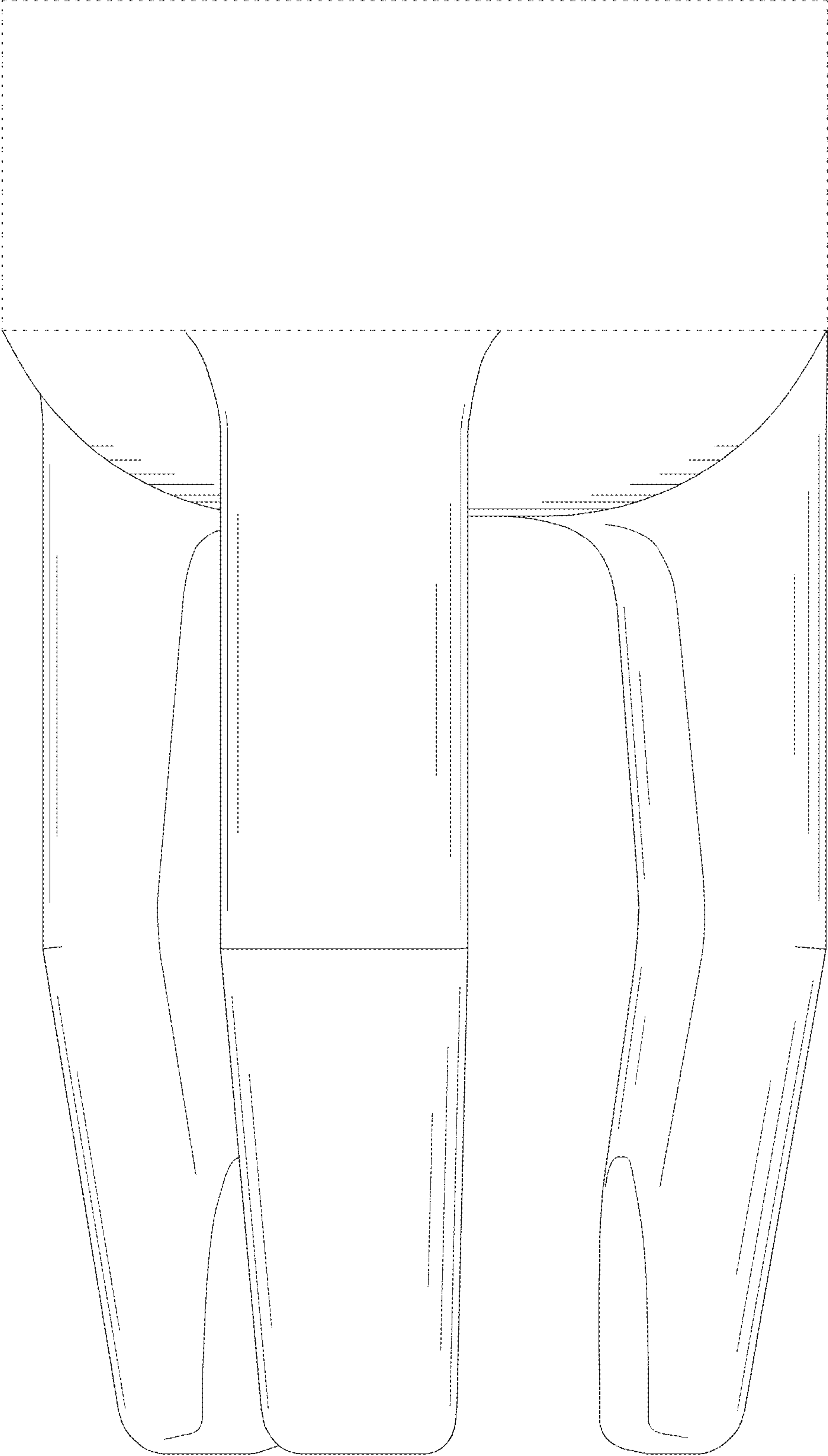


Fig. 5

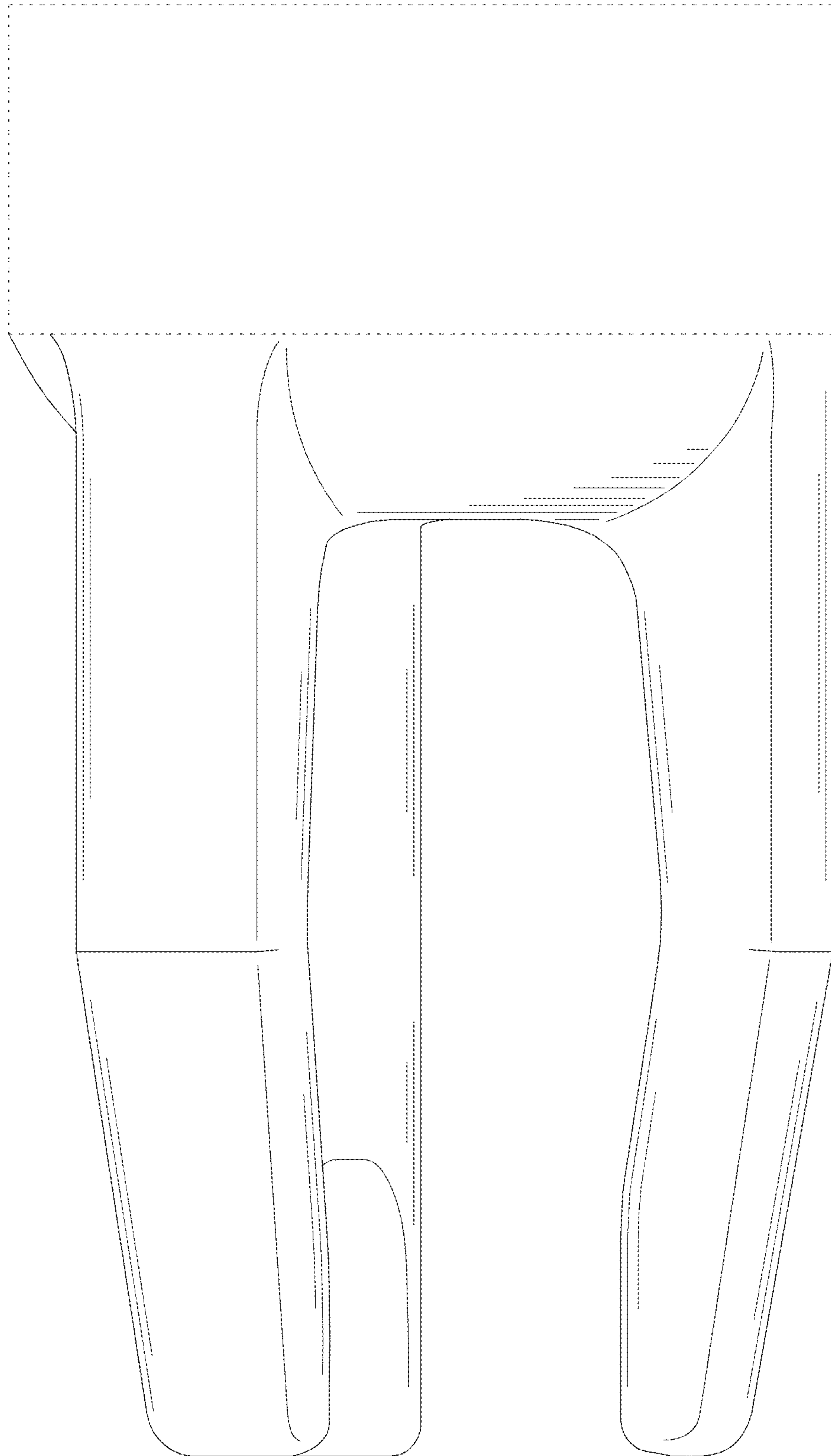


Fig. 6

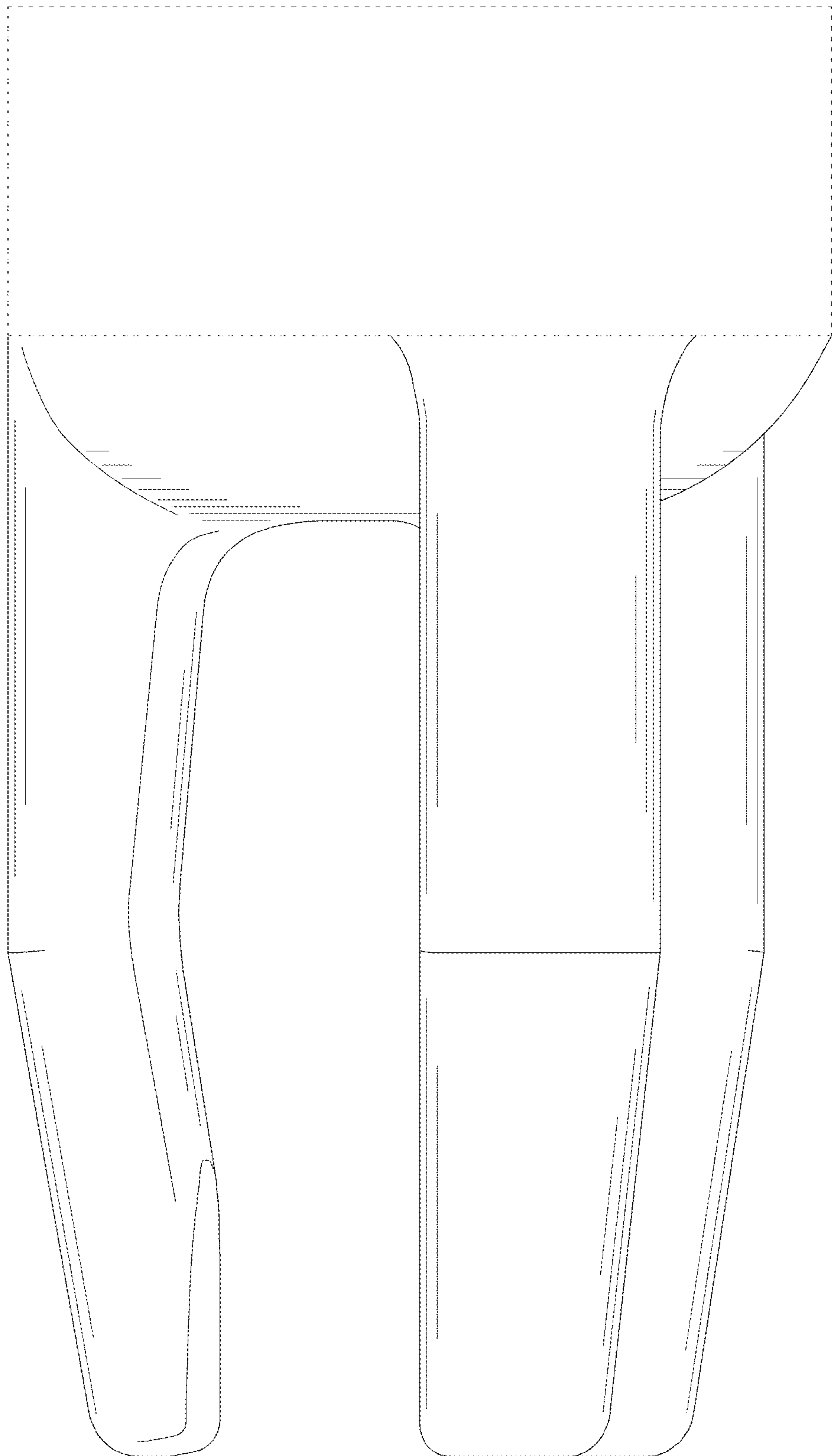




Fig. 7

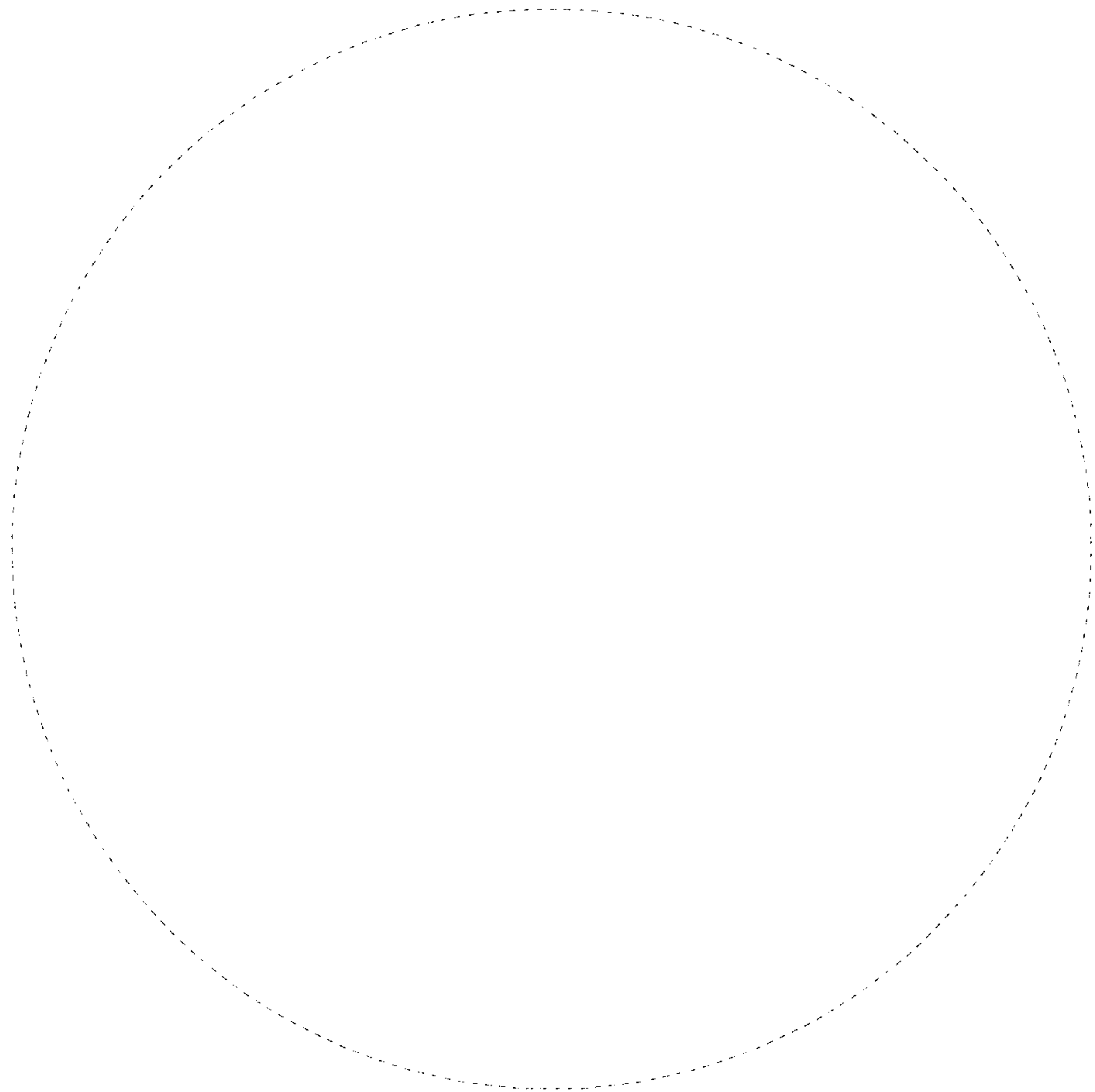


Fig. 8

