



US00D844393S

(12) **United States Design Patent** (10) **Patent No.:** **US D844,393 S**
Narayanan (45) **Date of Patent:** **** Apr. 2, 2019**

(54) **FOOD EXTRUSION DIE**
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(73) Assignee: **Frito-Lay North America, Inc.**, Plano, TX (US)
(**) Term: **15 Years**
(21) Appl. No.: **29/583,964**

D689,341 S * 9/2013 Dooley D7/675
D689,342 S * 9/2013 Dooley D7/676
D732,976 S * 6/2015 Ellsworth D9/661
D742,692 S * 11/2015 Petrie D7/414
2005/0048180 A1* 3/2005 Moore A23G 3/2015
426/516
2012/0040078 A1* 2/2012 Narwankar A23L 1/16
426/618

* cited by examiner

Primary Examiner — Brett Miller

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(51) **LOC (11) Cl.** **07-04**
(52) **U.S. Cl.**
USPC **D7/672**
(58) **Field of Classification Search**
USPC D7/672–677, 354, 357, 414; D15/90, 80;
30/316; 426/516
CPC F25C 1/04; F25C 1/22; F25C 1/24; A21B
3/13; B23G 9/26; B23G 9/503; B23G
9/221; B23G 9/083; A23P 30/20; A23P
30/10; A22C 7/003; A47J 43/20
See application file for complete search history.

(57) **CLAIM**

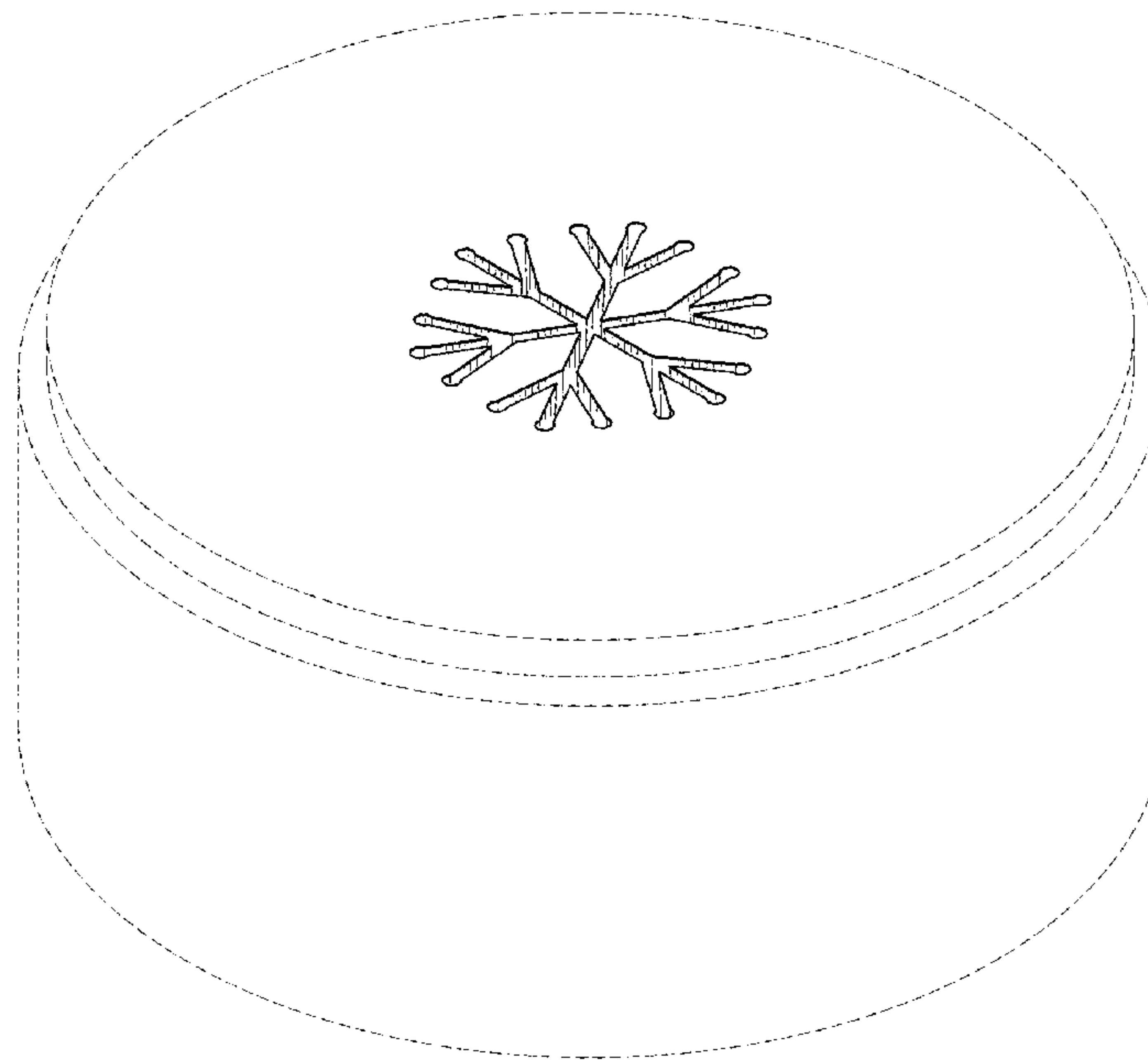
The ornamental design for a food extrusion die, as shown and described.

DESCRIPTION

FIG. 1 is a first top perspective view of the present invention; FIG. 2 is a second top perspective view of the present invention; FIG. 3 is a front elevation view of the present invention with the left elevation, right elevation, and rear elevation views identical to the front elevation view; FIG. 4 is a top plan view of the present invention; FIG. 5 is a bottom plan view of the present invention; FIG. 6 is a first bottom perspective view of the present invention; and, FIG. 7 is a second bottom perspective view of the present invention. The broken lines illustrate environmental features that form no part of the claimed invention.

(56) **References Cited**
U.S. PATENT DOCUMENTS
D322,736 S * 12/1991 Sutherland D7/414
D445,005 S * 7/2001 Vargas D7/675
D445,315 S * 7/2001 Kapellas D7/675
D447,020 S * 8/2001 Kapellas D7/675
7,585,531 B2 * 9/2009 Baumeister A23P 30/20
426/439
D659,470 S * 5/2012 Narwankar D7/414

1 Claim, 7 Drawing Sheets



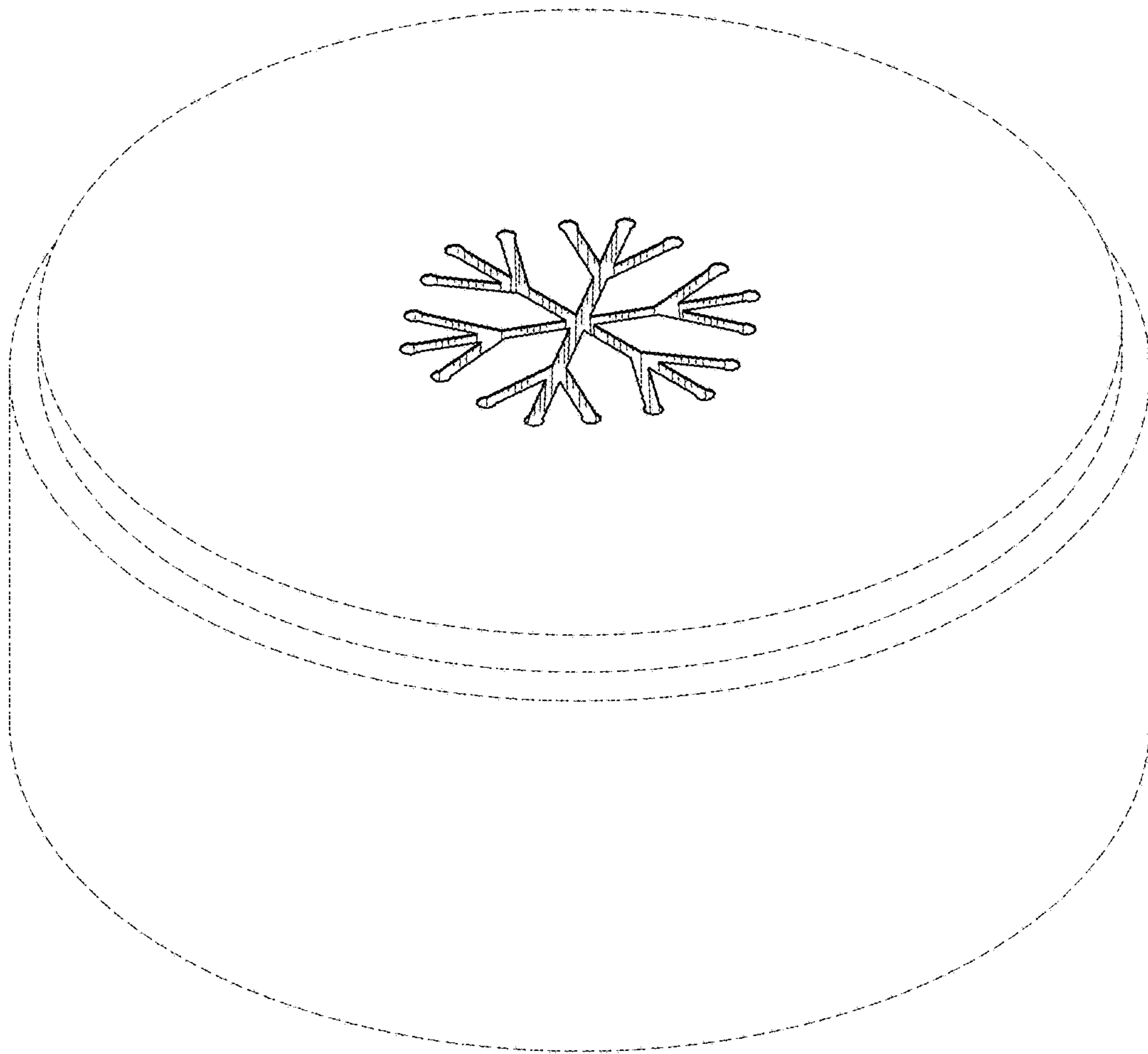


FIG. 1

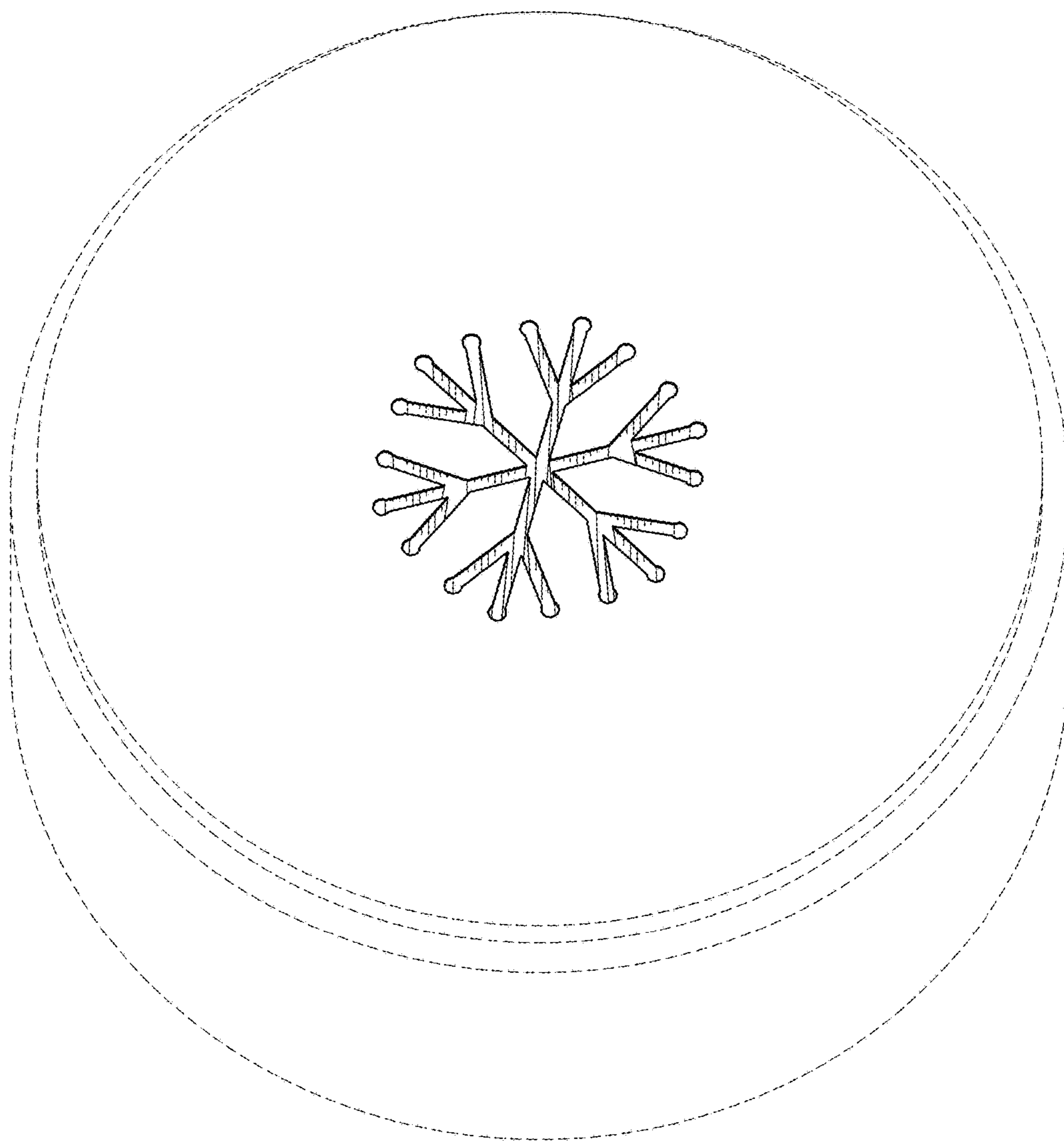


FIG. 2

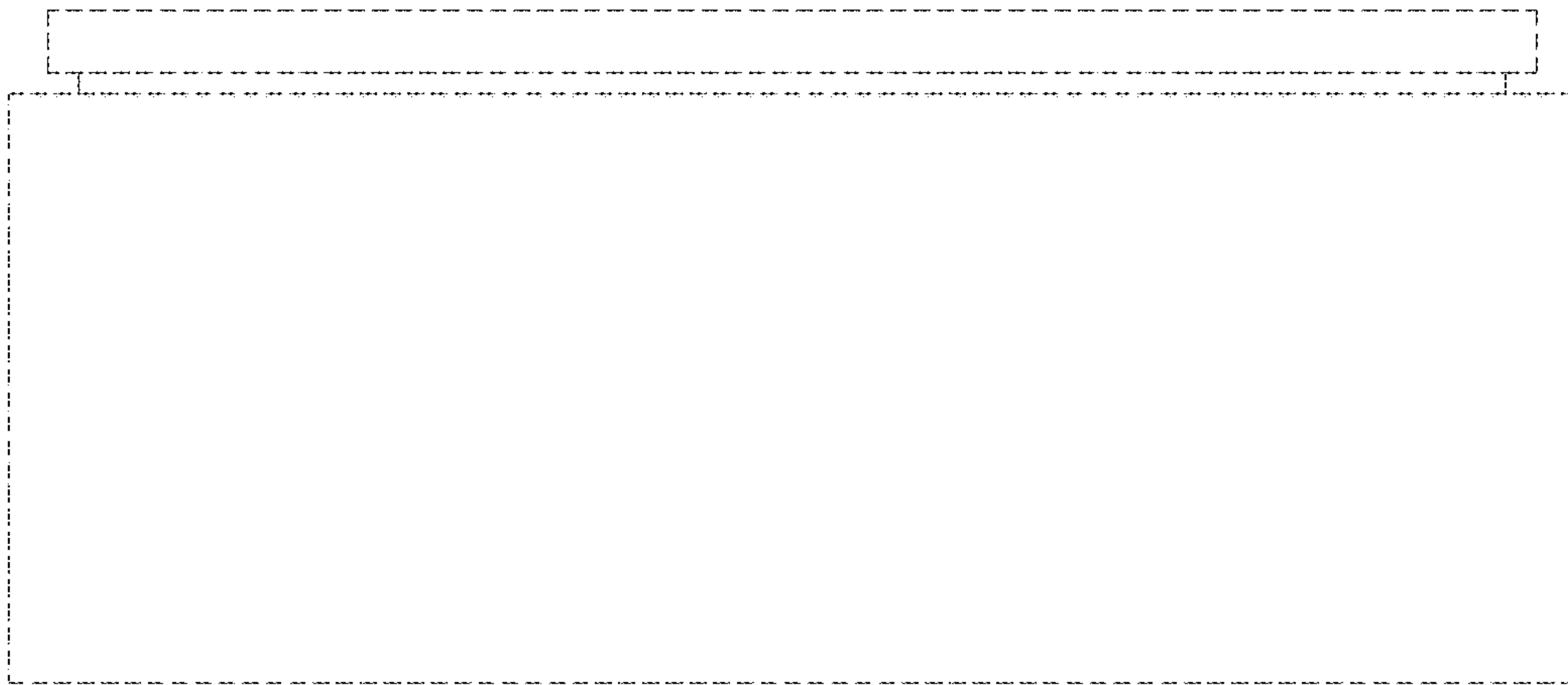


FIG. 3

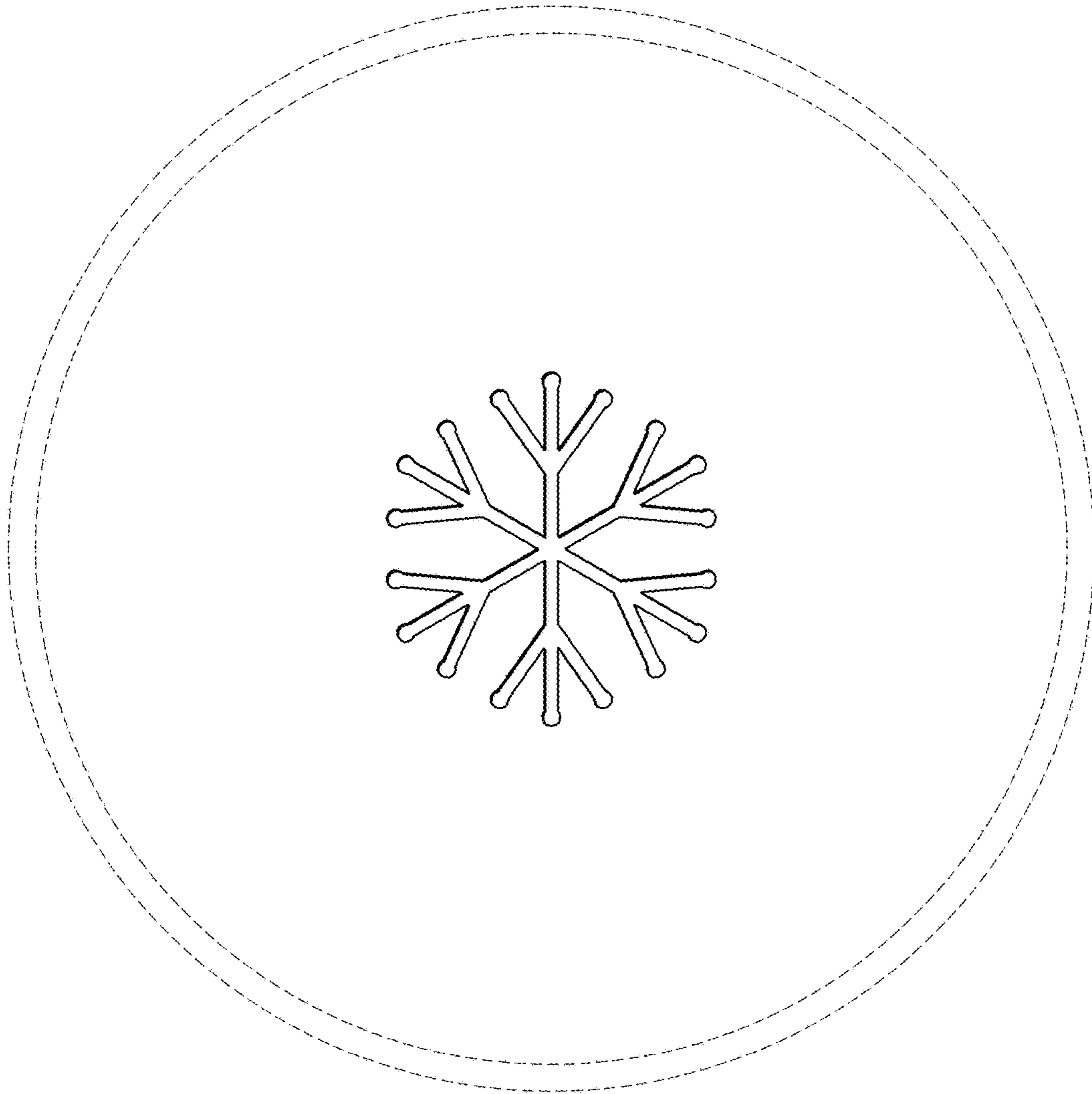


FIG. 4

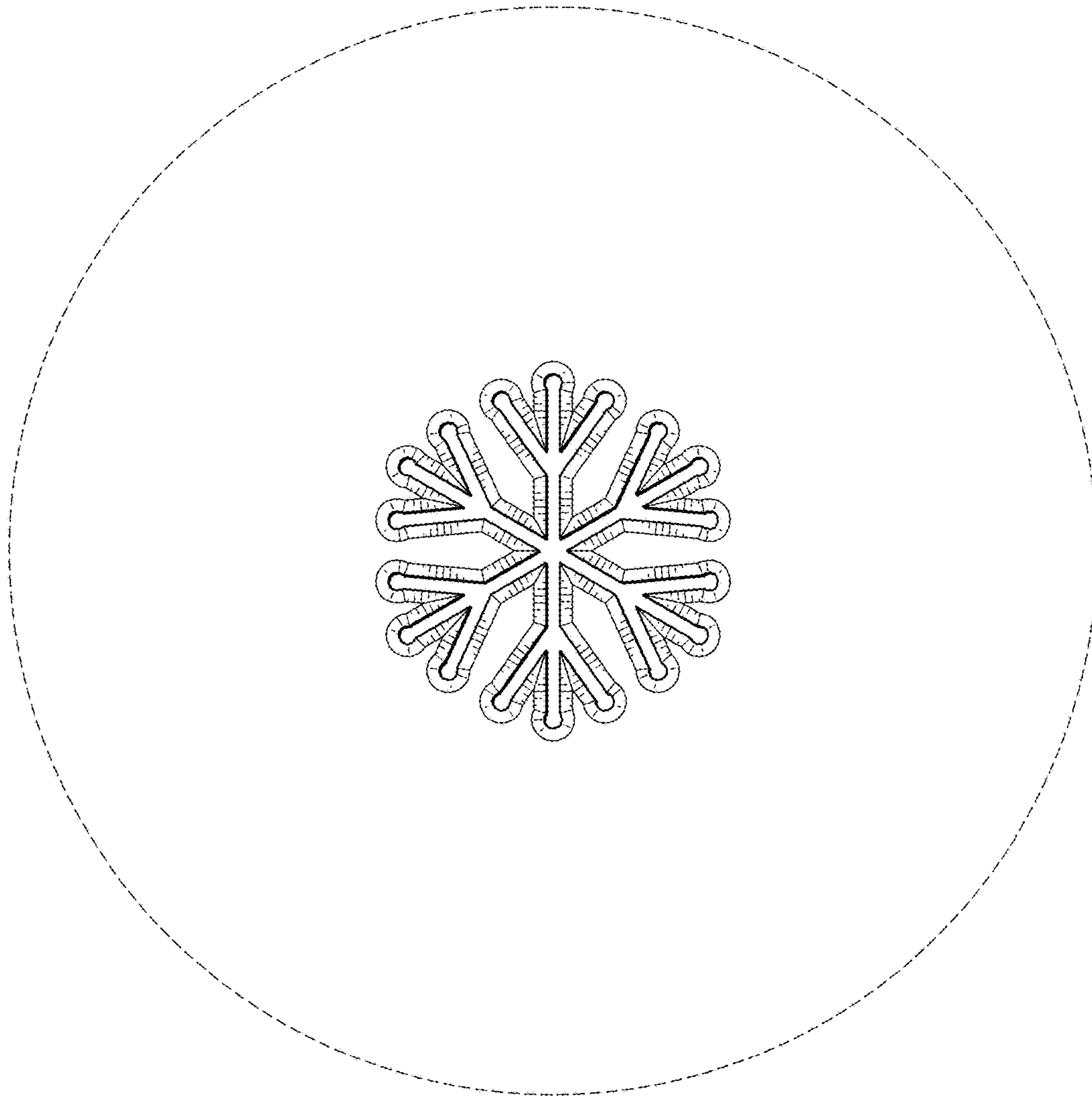


FIG. 5

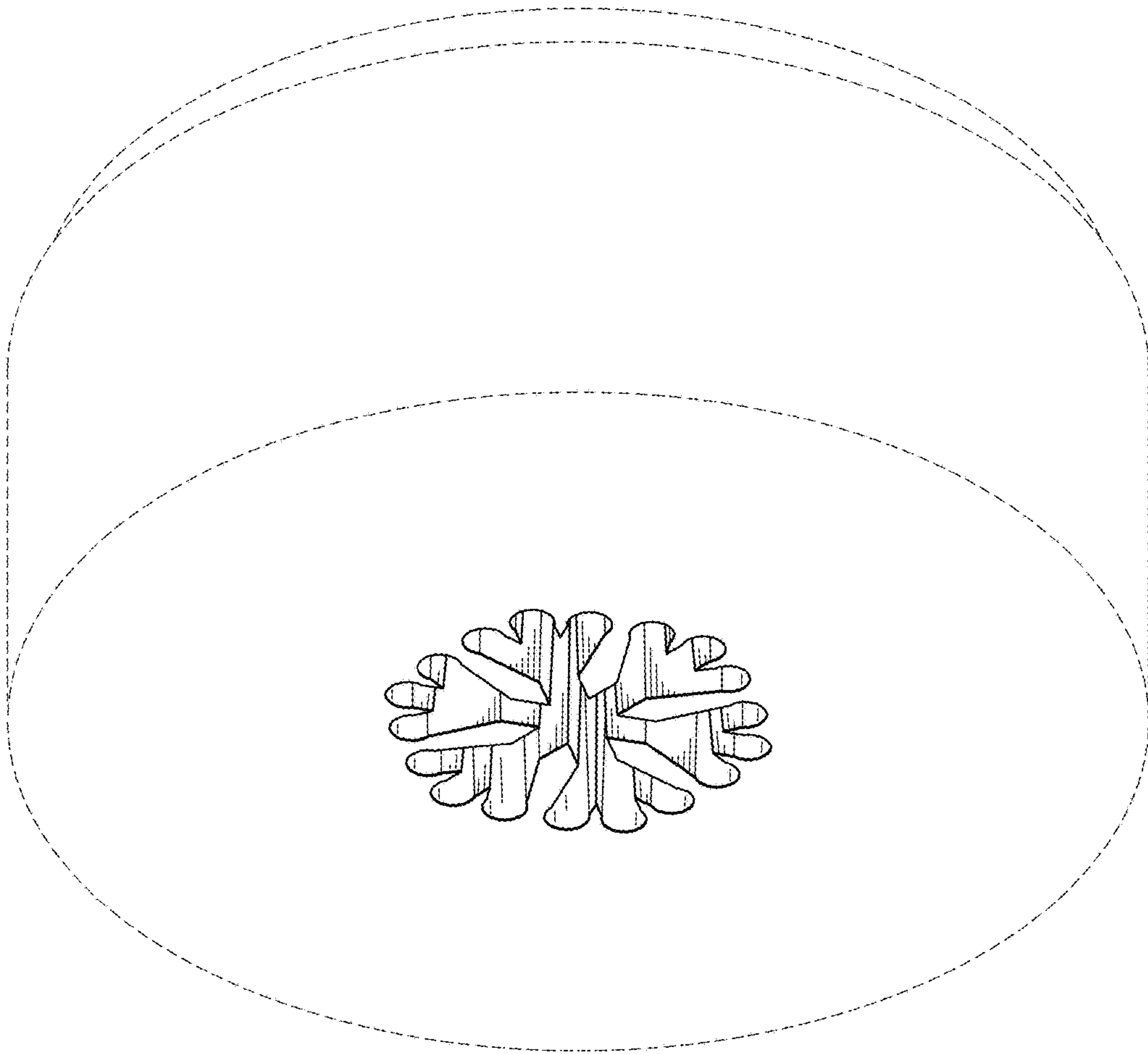


FIG. 6

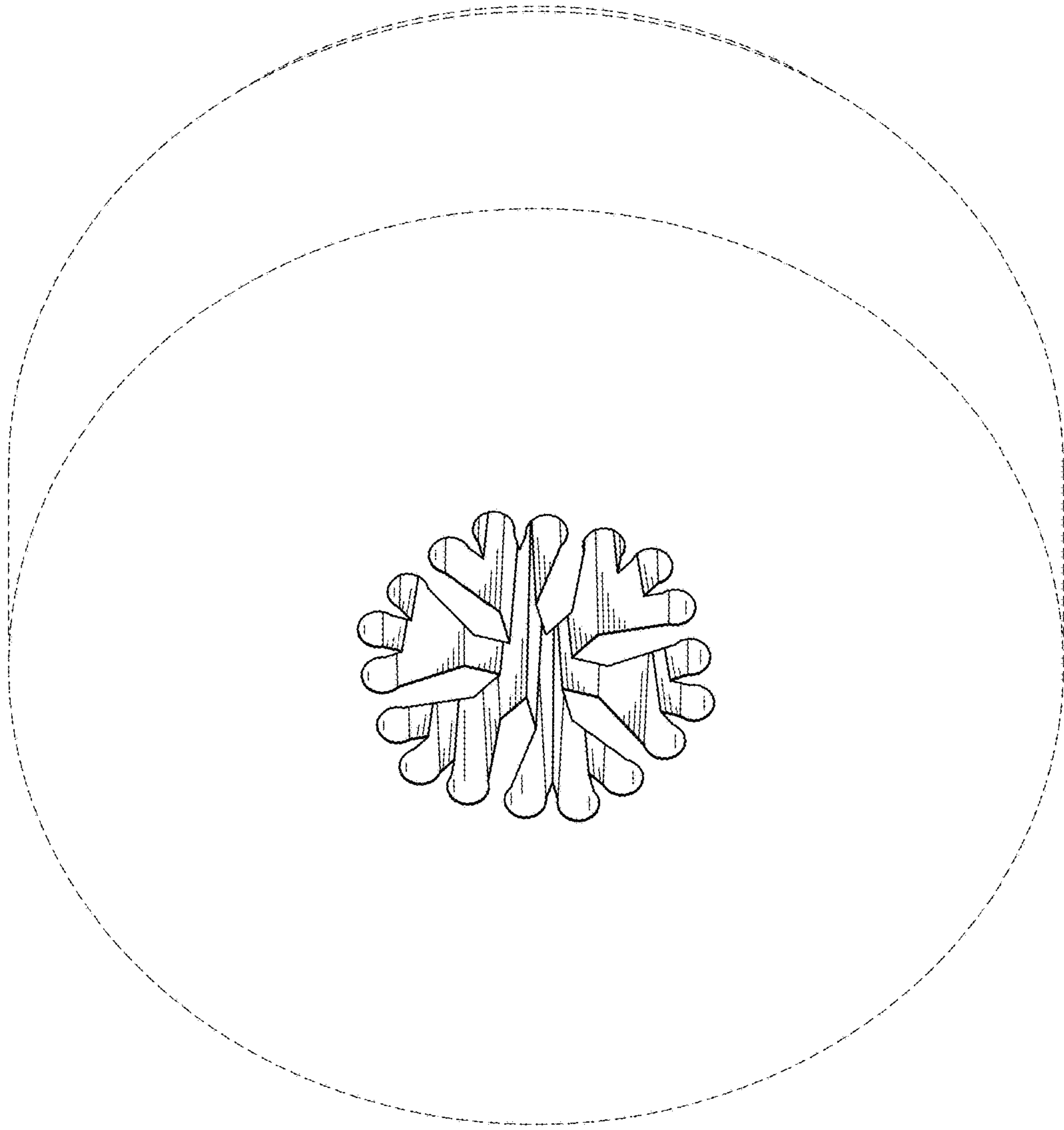


FIG. 7