



US00D473637S

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

(10) **Patent No.:** **US D473,637 S**

(45) **Date of Patent:** **\*\* Apr. 22, 2003**

(54) **FLUTED FILTER ELEMENT**

(74) *Attorney, Agent, or Firm*—Merchant & Gould P.C.

(75) **Inventor:** **Patrick Golden**, Roseville, MN (US)

(57) **CLAIM**

(73) **Assignee:** **Donaldson Company, Inc.**,  
Minneapolis, MN (US)

The ornamental design for fluted filter element, as shown and described.

(\*\*) **Term:** **14 Years**

**DESCRIPTION**

(21) **Appl. No.:** **29/151,518**

FIG. 1 is a perspective view of a fluted filter element embodying my new design;  
FIG. 2 is a top plan view thereof;  
FIG. 3 is a bottom plan view thereof;  
FIG. 4 is a right side elevational view thereof, the left side elevational view being a mirror image thereof;  
FIG. 5 is a front side elevational view thereof;  
FIG. 6 is a rear side elevation view thereof;  
FIG. 7 is an enlarged view of a portion of the top plan view of FIG. 2, showing the centerpiece;  
FIG. 8 is an enlarged view of a portion of the top plan view of FIG. 2, showing the shape of the flutes; and,  
FIG. 9 is an enlarged view of a portion of the front side elevational view shown in FIG. 5.

(22) **Filed:** **Dec. 3, 2001**

(51) **LOC (7) Cl.** ..... **23-04**

(52) **U.S. Cl.** ..... **D23/365**

(58) **Field of Search** ..... D23/365, 355;  
55/521, 497, 498, 357

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

5,137,696 A \* 8/1992 Hitachi et al. .... 422/180

\* cited by examiner

*Primary Examiner*—Lisa Lichtenstein

**1 Claim, 9 Drawing Sheets**

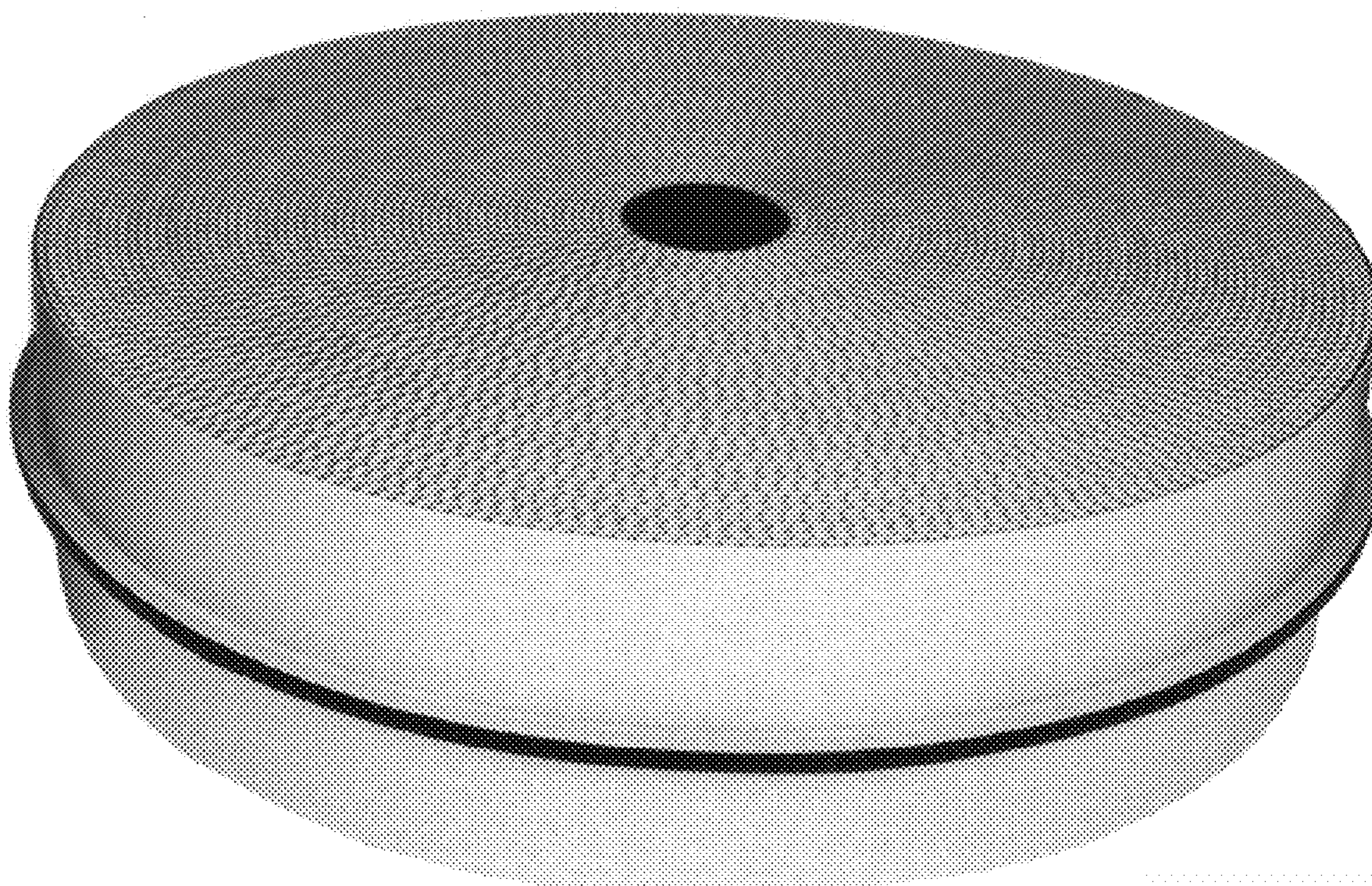


FIG. 1

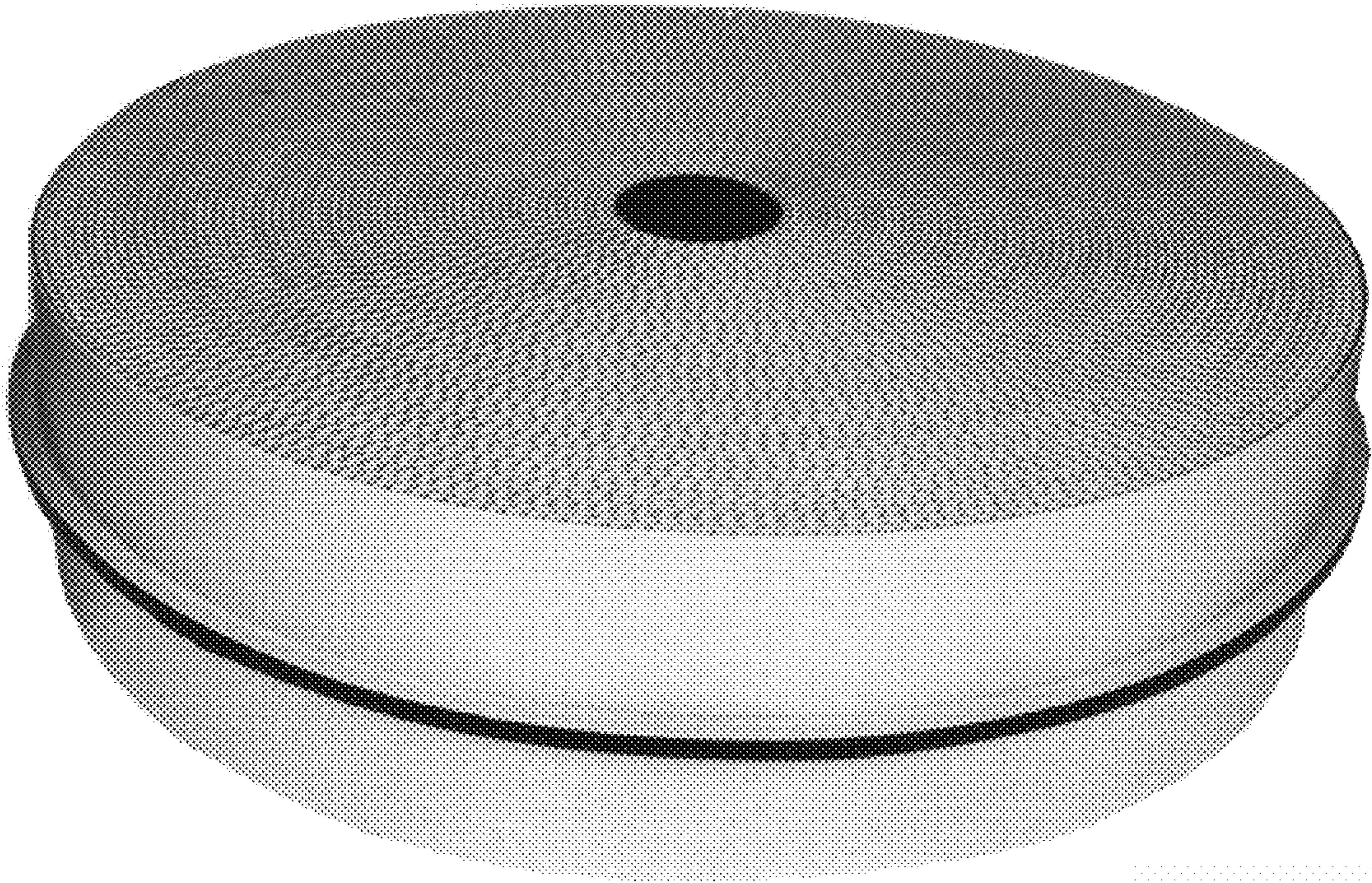


FIG. 2

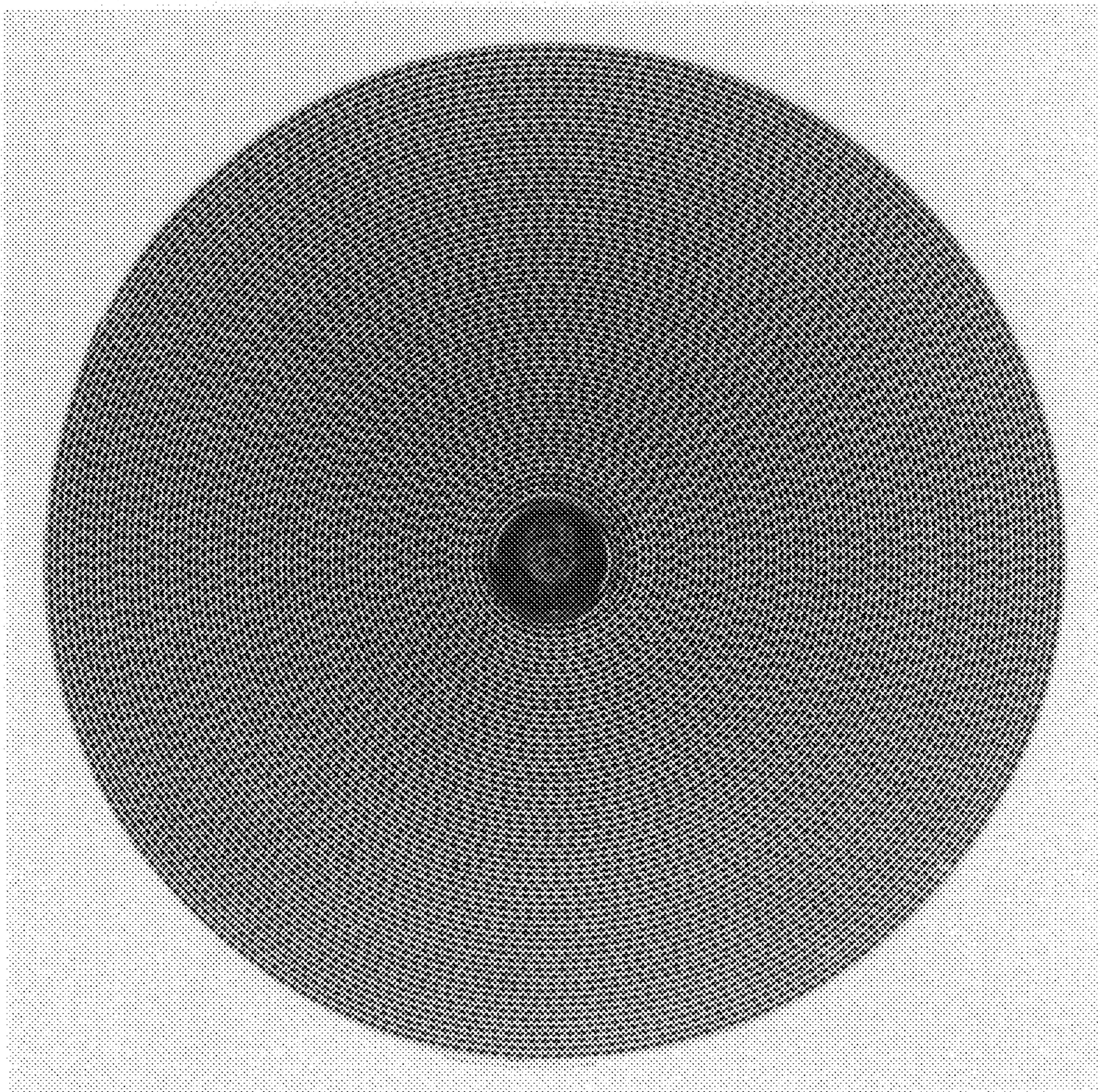


FIG. 3

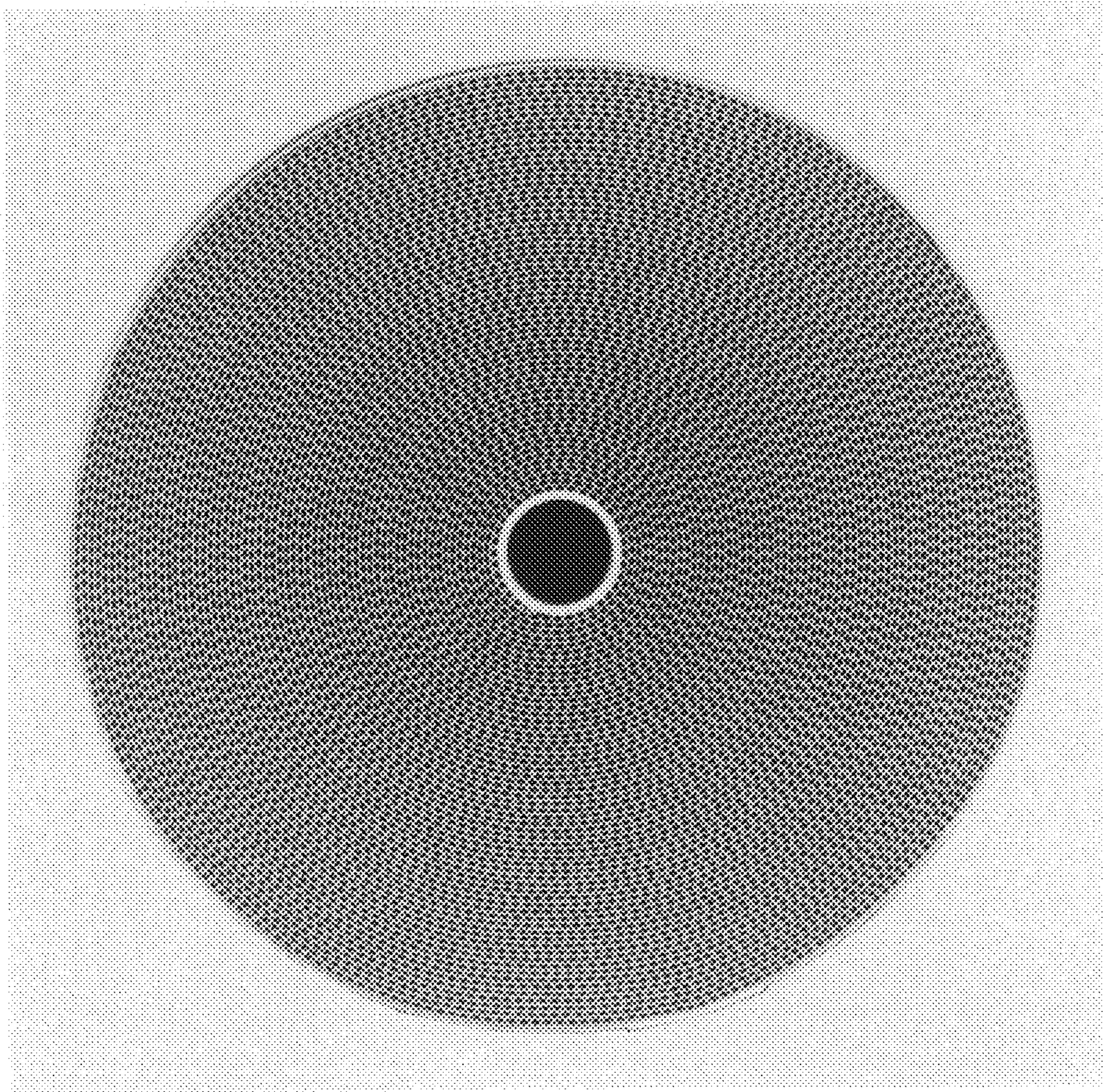


FIG. 4

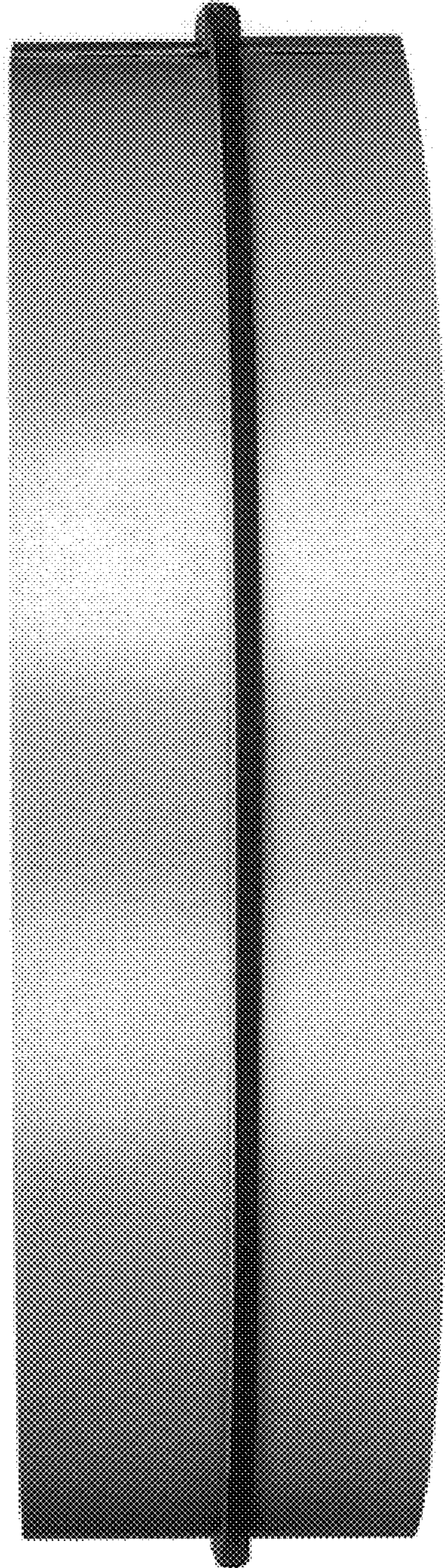


FIG. 5

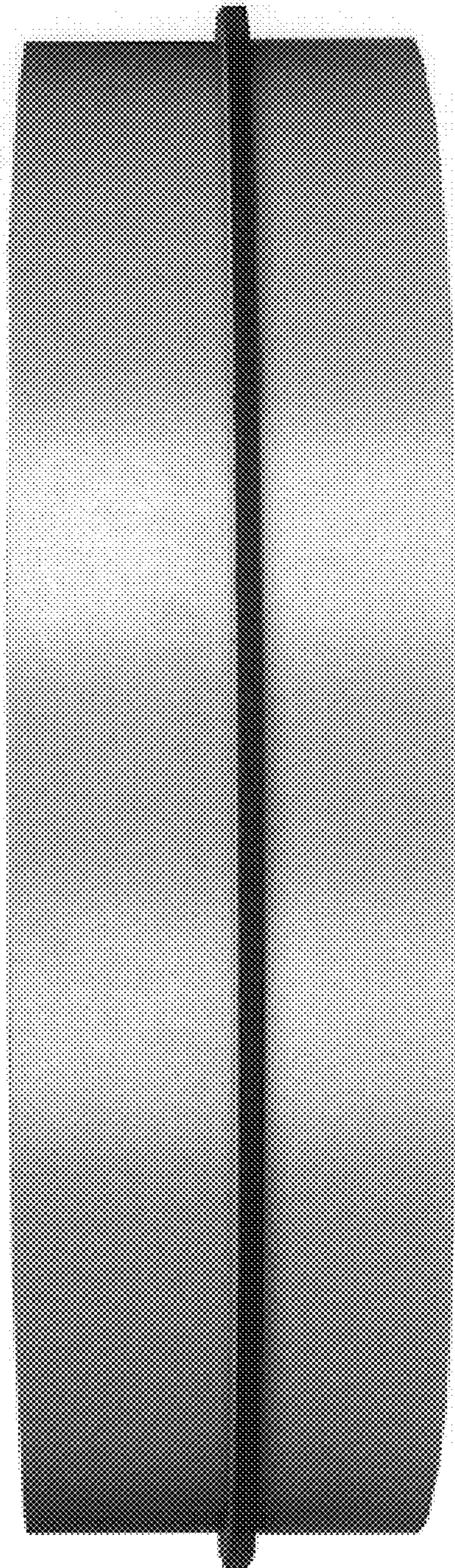


FIG. 6

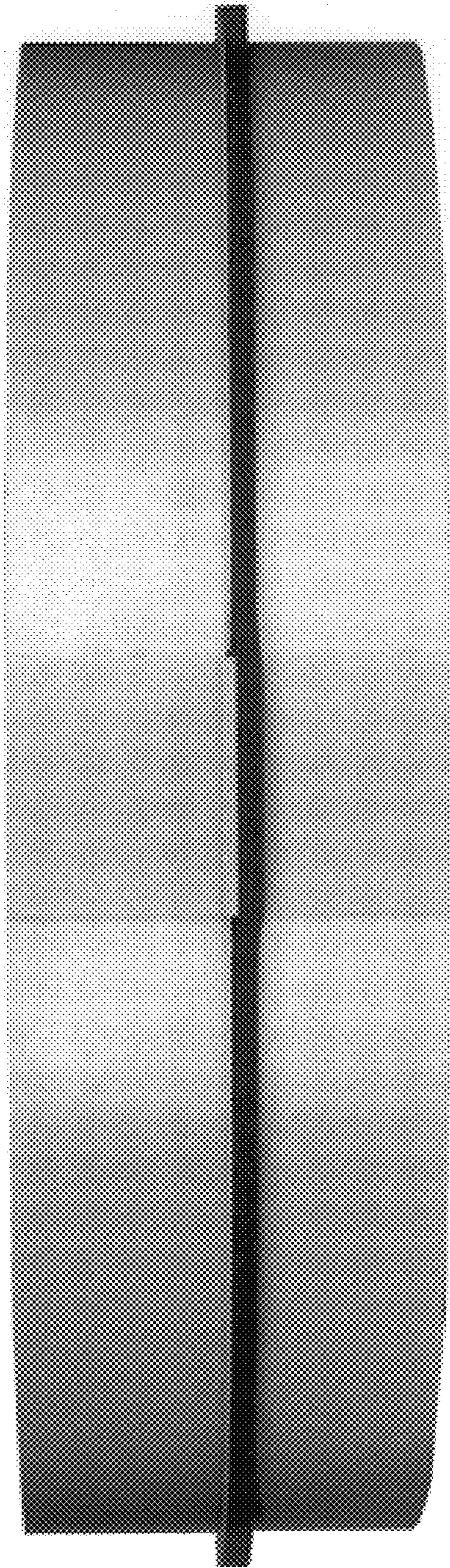


FIG. 7

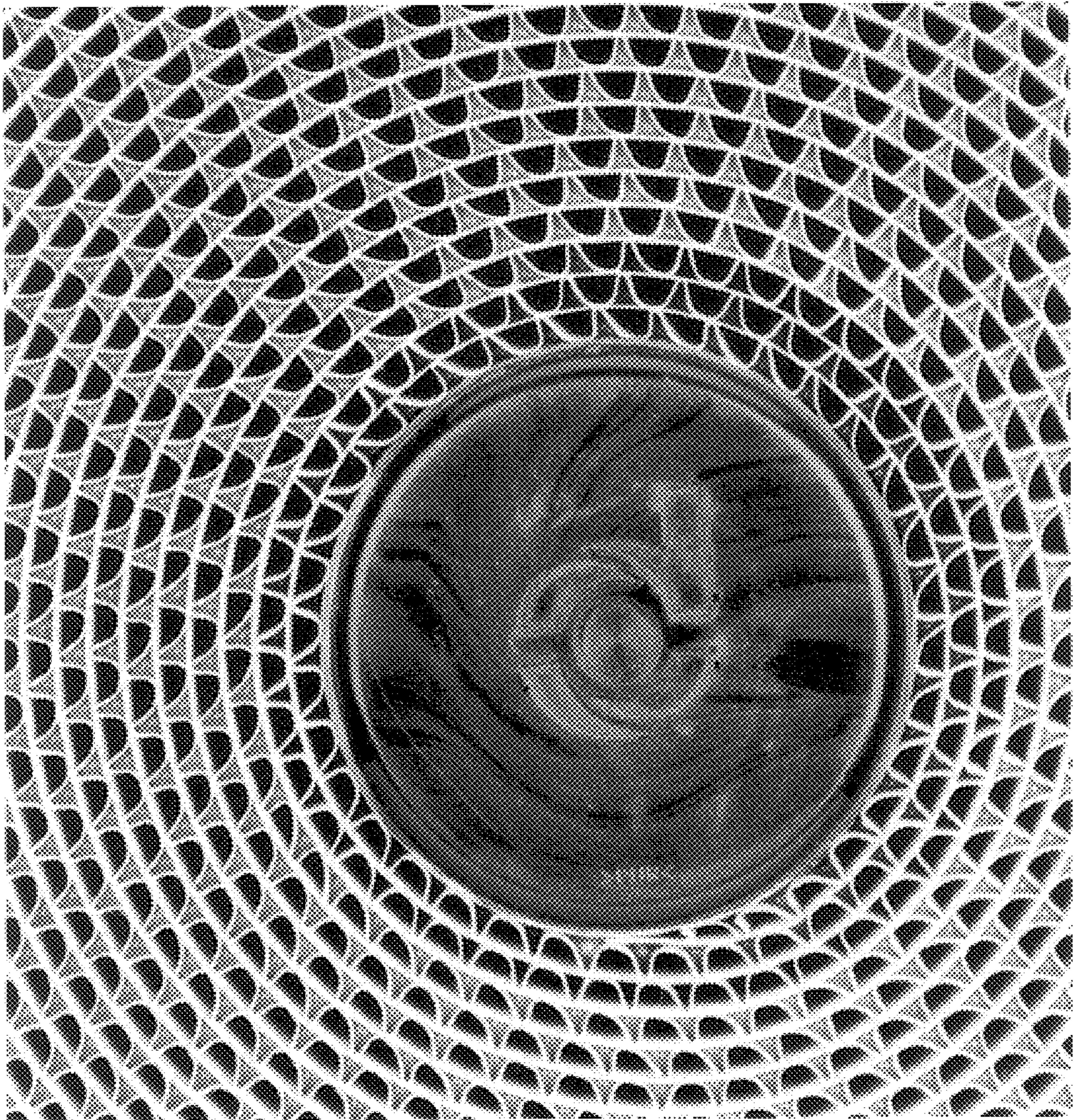




FIG. 8

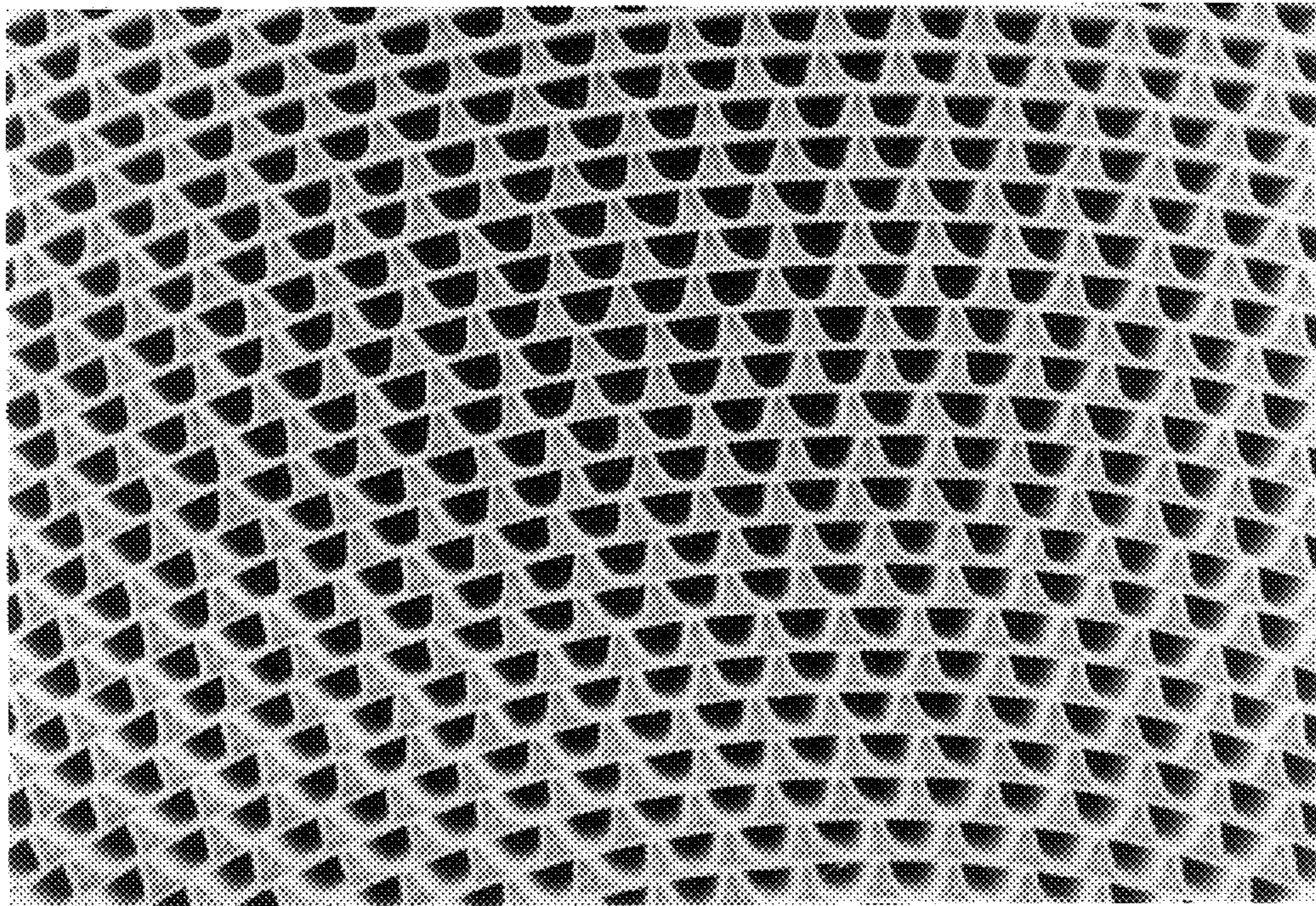
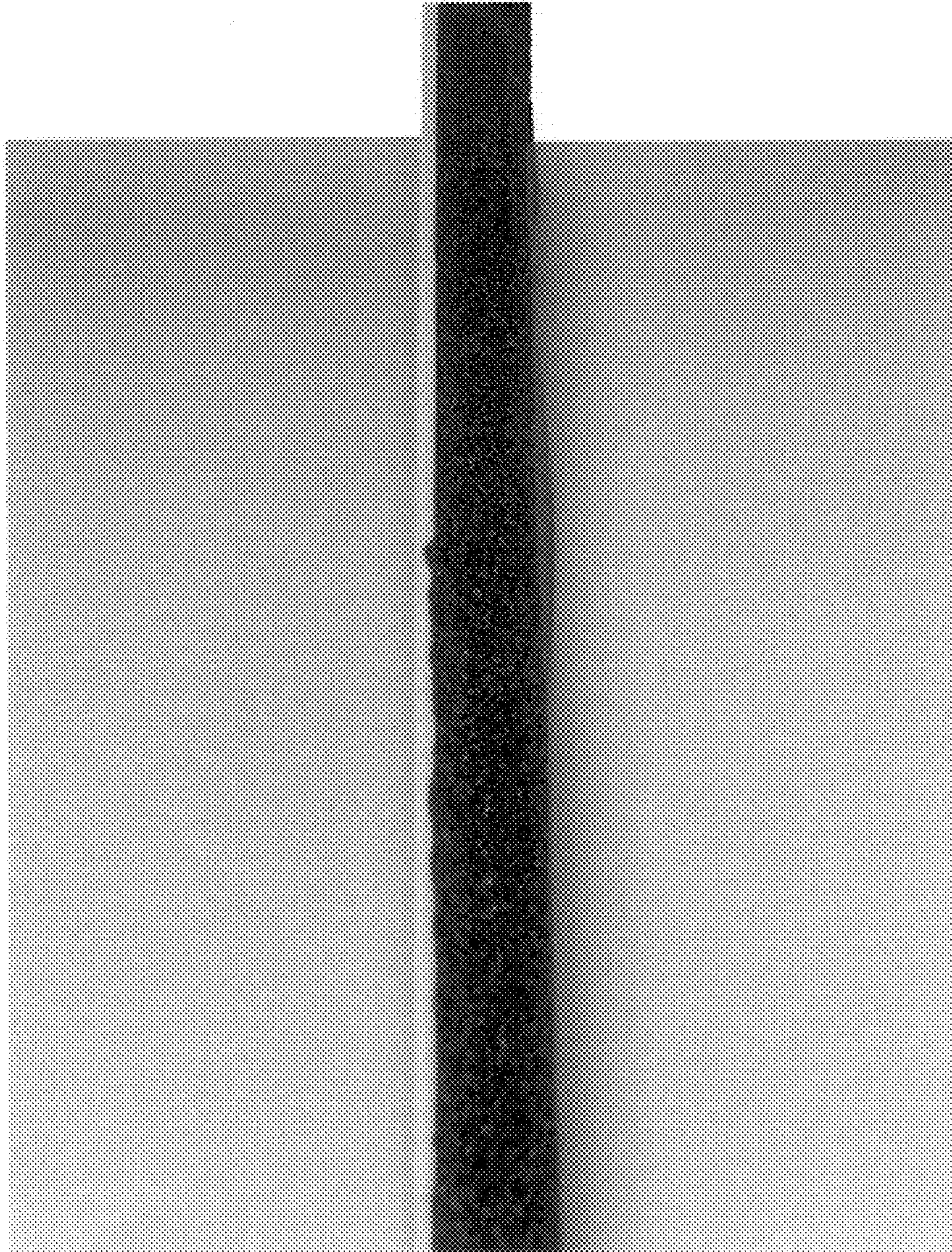


FIG. 9



UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : Des. 473,637 S  
DATED : April 22, 2003  
INVENTOR(S) : Golden

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page,

Item [56], **References Cited**, U.S. PATENT DOCUMENTS, insert:

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D450,828	11/2001	Tokar --

Signed and Sealed this

Second Day of December, 2003



JAMES E. ROGAN

*Director of the United States Patent and Trademark Office*