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United States Patent [19]

Hoshide et al.

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[54] **ROTARY BRUSH FOR ELECTRIC VACUUM CLEANER**

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[73] Assignee: **Matsushita Electric Industrial Co., Ltd.**, Japan

[**] Term: **14 Years**

[21] Appl. No.: **29/112,586**

[22] Filed: **Oct. 20, 1999**

[30] **Foreign Application Priority Data**

Apr. 28, 1999 [JP] Japan 11-11462

[51] **LOC (7) Cl.** **15-05**

[52] **U.S. Cl.** **D32/33**

[58] **Field of Search** D32/31-33, 25; 15/383, 321-322, 182-183, 398, 366, 142.2, 415.1, 400

[56] **References Cited**

U.S. PATENT DOCUMENTS

- D. 52,238 7/1918 Hoover D32/33
- D. 125,786 3/1941 Schaad D32/33
- D. 222,702 12/1971 Schaefer D32/33

- 2,459,007 1/1949 Taylor .
- 4,209,873 7/1980 Schaefer .
- 4,901,394 2/1990 Nakamura et al. 15/383
- 5,029,361 7/1991 Murata et al. 15/383
- 5,495,364 3/1996 Brundula et al. 15/182

FOREIGN PATENT DOCUMENTS

- 61-52685 11/1986 Japan .
- 8131374 5/1996 Japan .
- 1028523 5/1999 Japan .

Primary Examiner—Ruth McInroy
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[57] **CLAIM**

The ornamental design for a rotary brush for electric vacuum cleaner, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the top, front and right side of a rotary brush for electric vacuum cleaner showing our new design;

FIG. 2 is a front view thereof;

FIG. 3 is a top plan view thereof;

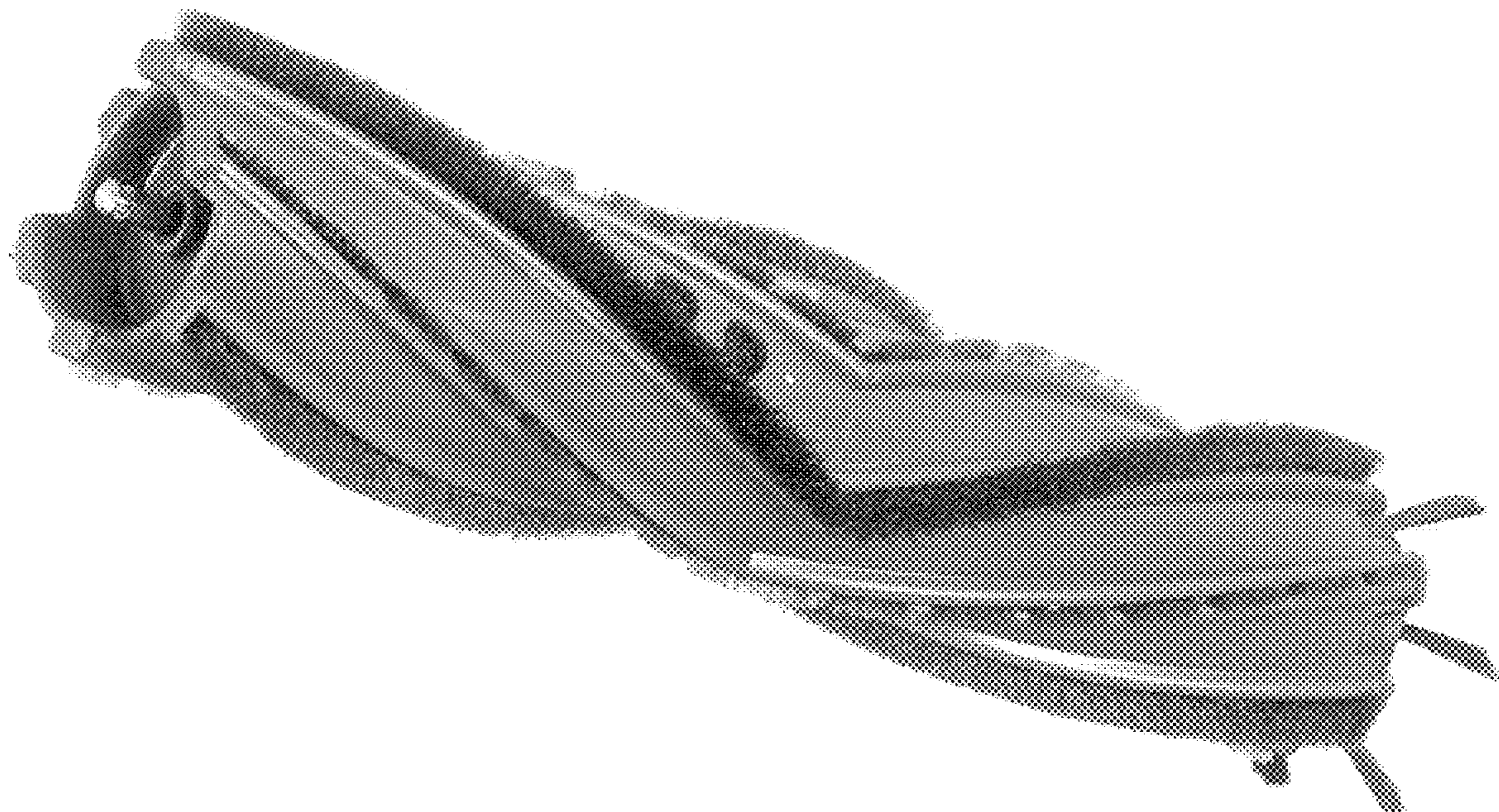
FIG. 4 is a rear view thereof;

FIG. 5 is a bottom view thereof;

FIG. 6 is a left side view thereof; and,

FIG. 7 is a right side view thereof.

1 Claim, 6 Drawing Sheets



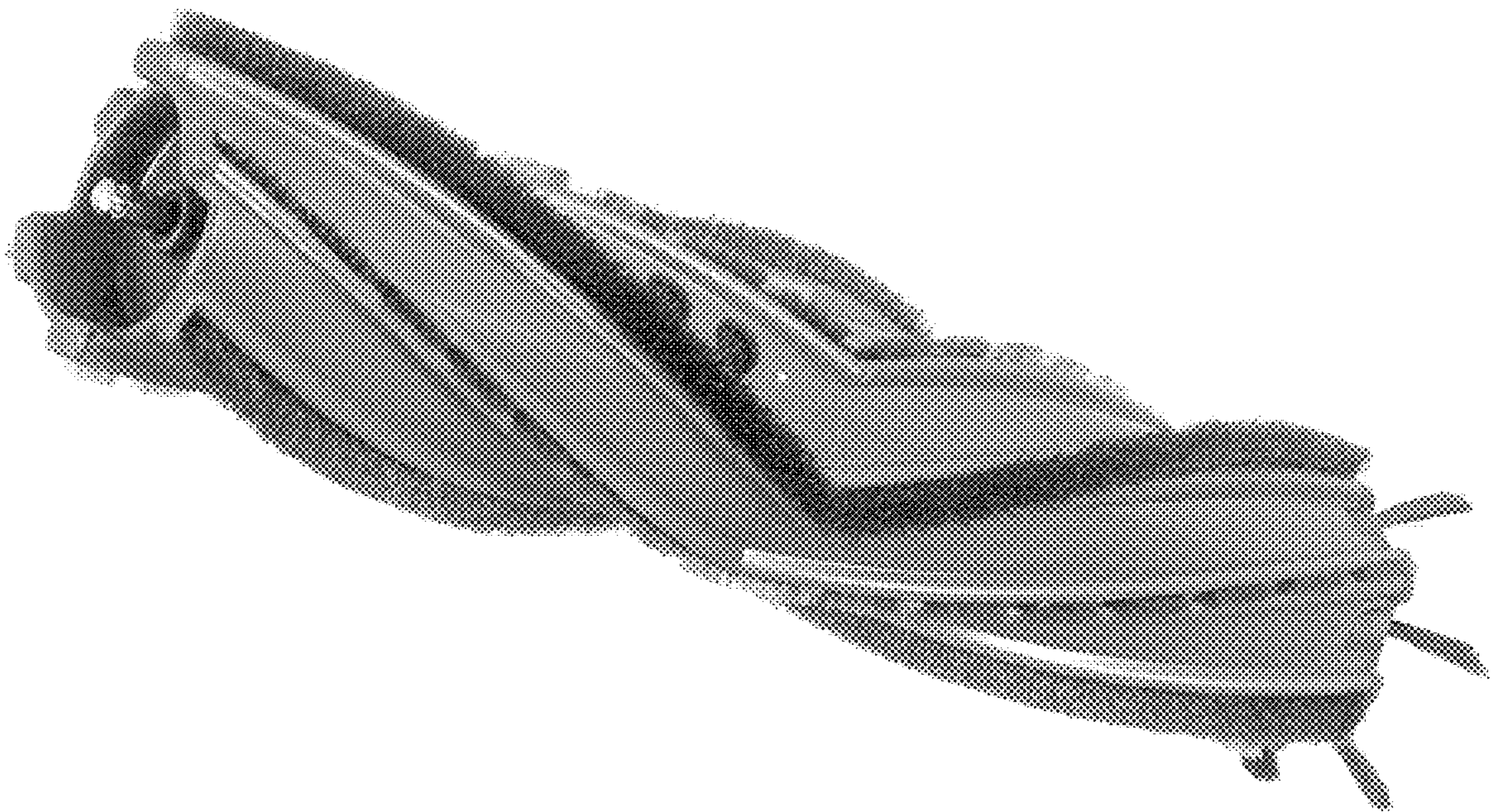


FIG. 1

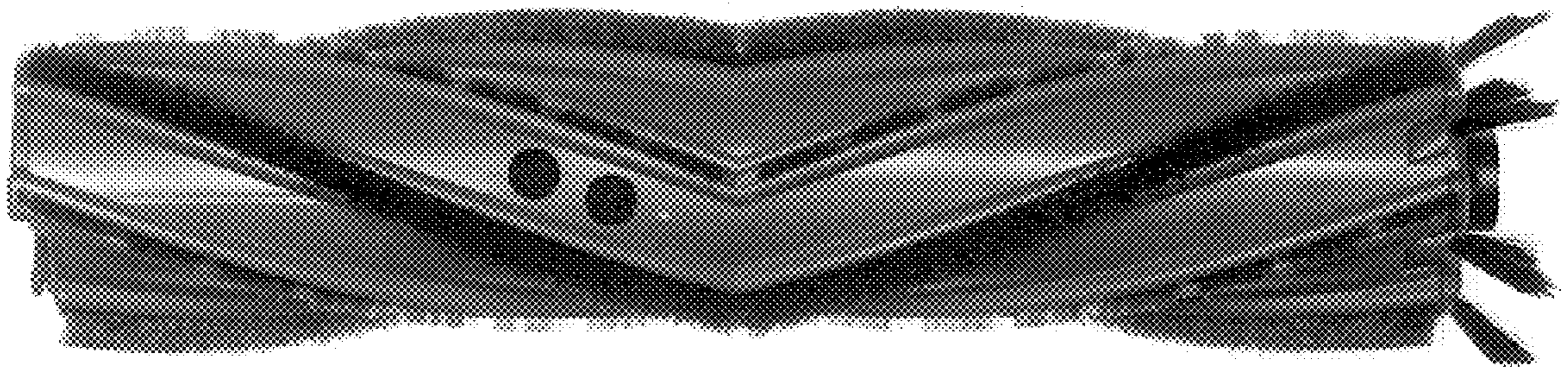


FIG. 2



FIG. 3

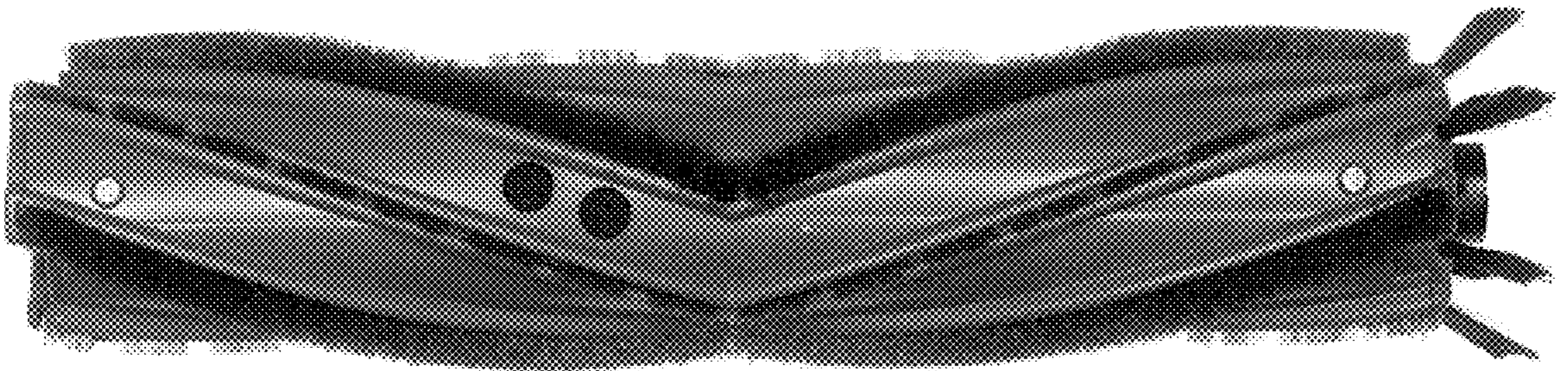


FIG. 4

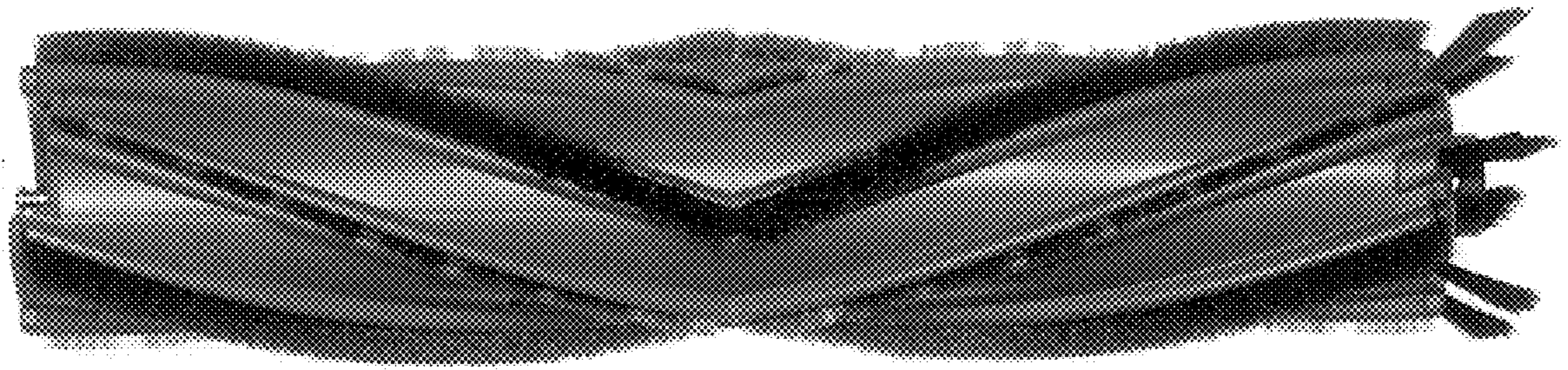


FIG. 5

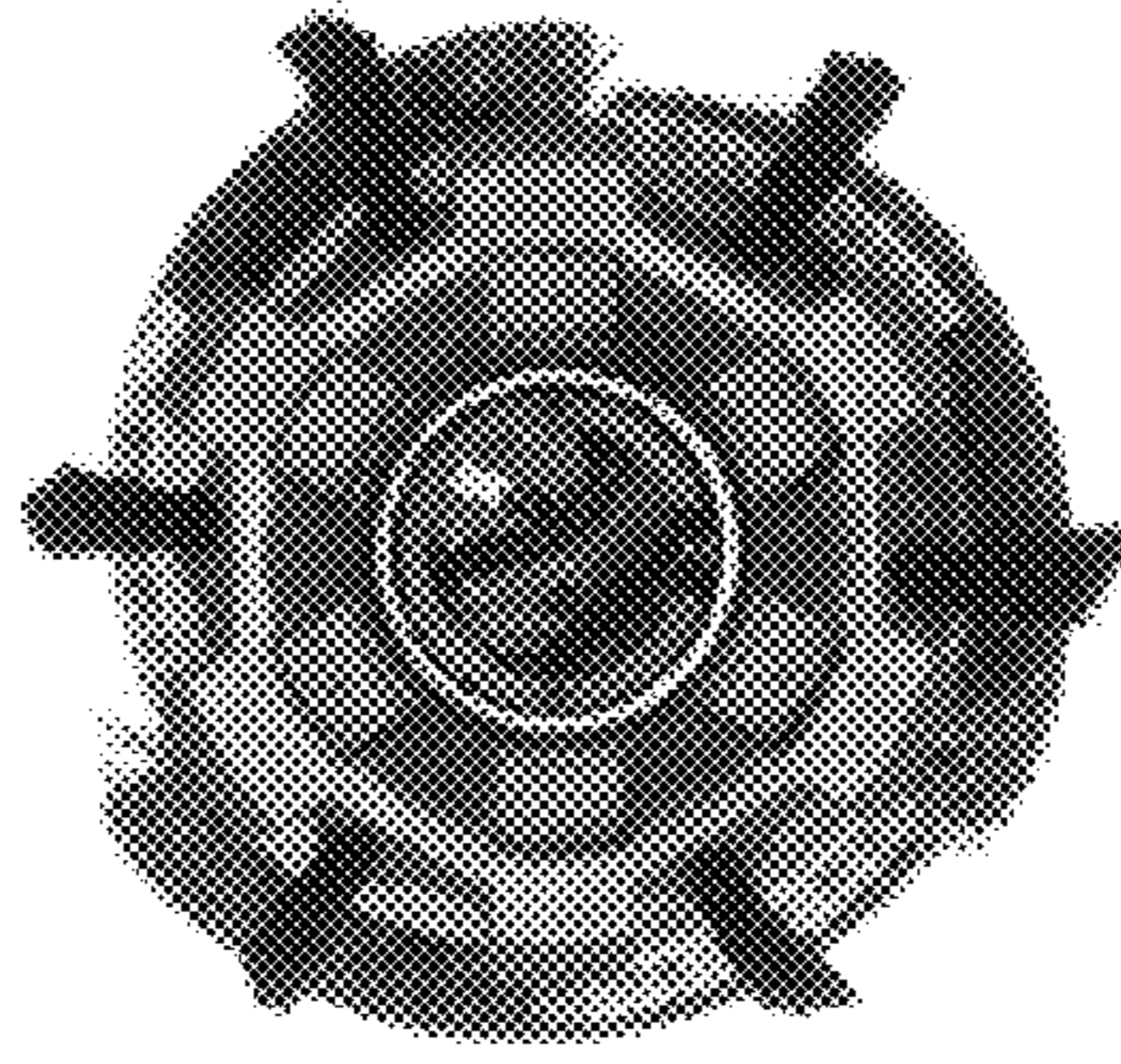


FIG. 6

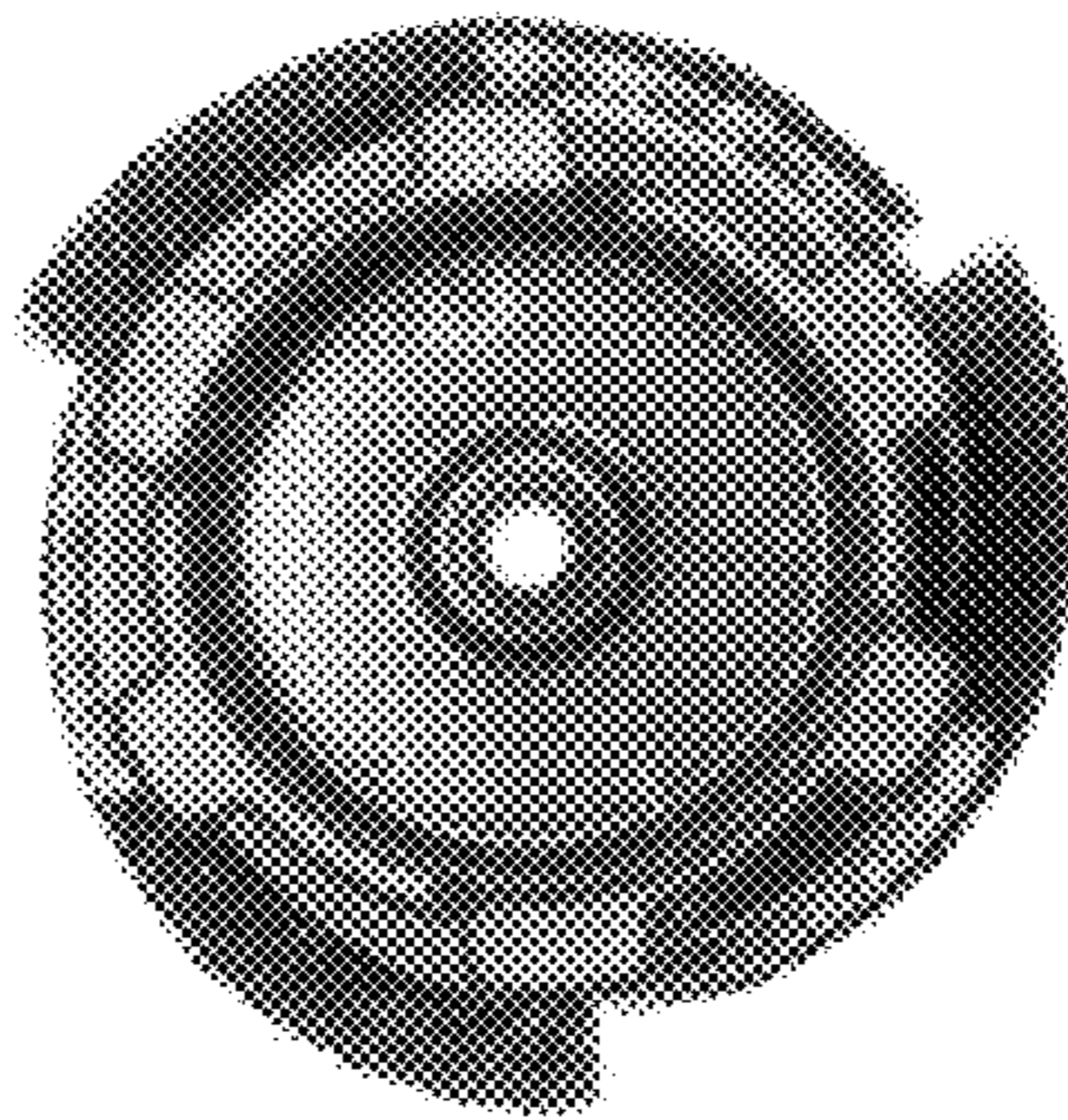


FIG. 7