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

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- (54) **SPINAL IMPLANT**
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- (73) Assignee: **MIRUS LLC**, Marietta, GA (US)
- (\*\*) Term: **15 Years**
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- (51) **LOC (13) Cl.** ..... **24-03**
- (52) **U.S. Cl.**  
USPC ..... **D24/155**
- (58) **Field of Classification Search**  
USPC ..... D24/155  
CPC ..... A61F 2/4611; A61F 2/442; A61F 2/447;  
A61F 2220/0025; A61F 2310/00023;  
A61F 2310/00017; A61F 2002/4475;  
A61F 2002/30841; A61F 2002/2835;  
A61F 2002/30904; A61F 2002/30785;  
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See application file for complete search history.

9,681,966	B2	6/2017	Knapp et al.
9,700,431	B2	6/2017	Nebosky et al.
9,724,203	B2	8/2017	Nebosky et al.
D809,661	S	2/2018	Mueller
D815,281	S	4/2018	Chang et al.
10,271,958	B2	4/2019	Schauffer et al.
10,369,009	B2 *	8/2019	Joly ..... A61F 2/30734
D870,288	S	12/2019	Dang
10,512,545	B2	12/2019	Arnone
10,517,739	B2	12/2019	Ryan
10,709,570	B2	7/2020	Stauffer et al.
10,744,003	B2 *	8/2020	Ryan ..... A61F 2/447
D920,515	S *	5/2021	Miller ..... D24/155
D920,516	S *	5/2021	Miller ..... D24/155
D920,517	S *	5/2021	Miller ..... D24/155
11,147,679	B2 *	10/2021	Kowalczyk ..... A61F 2/4202
2009/0048675	A1	2/2009	Bhatnagar et al.
2012/0197413	A1	8/2012	Kyomoto et al.

(Continued)

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(57) **CLAIM**

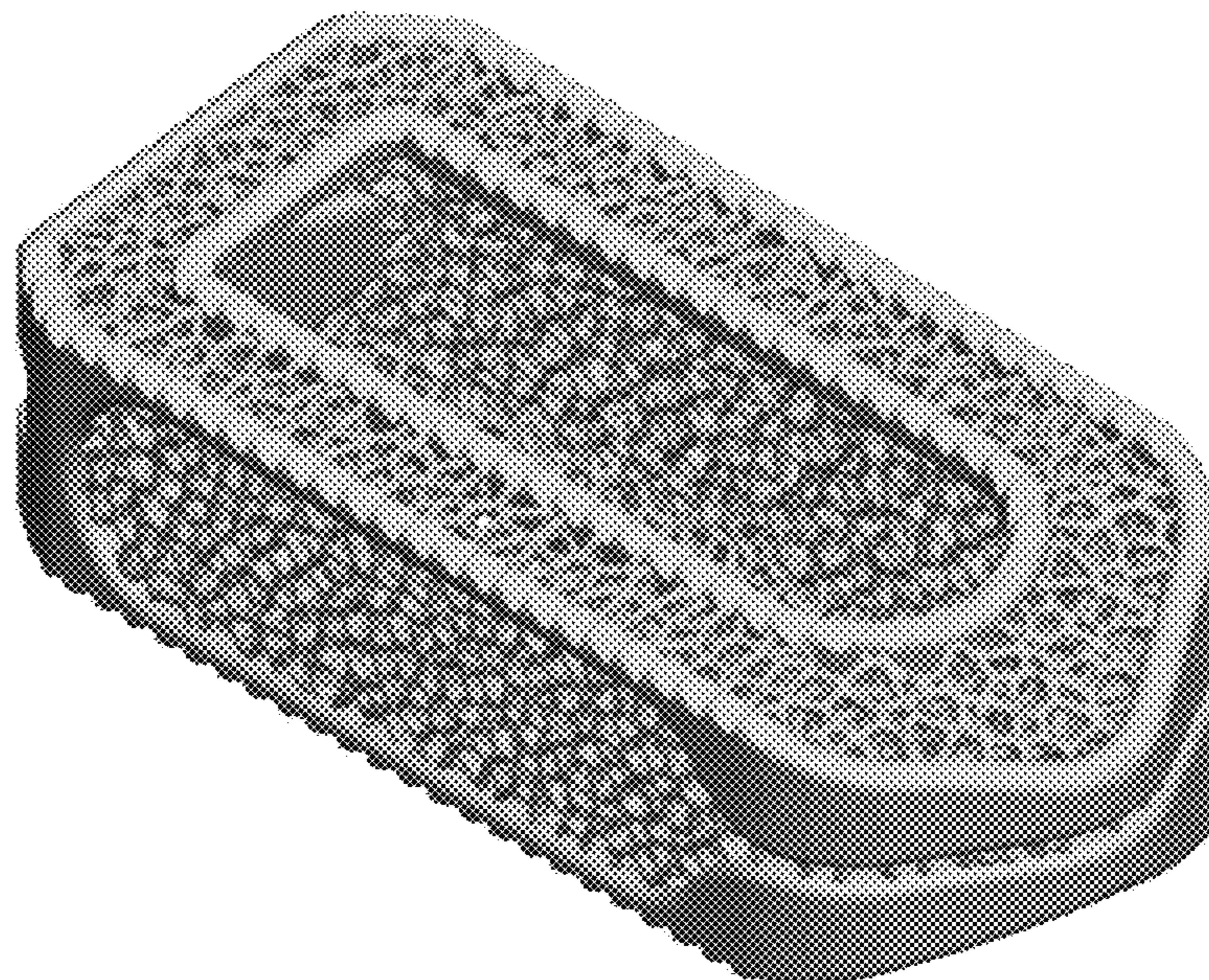
The ornamental design for a spinal implant, as shown and described.

**DESCRIPTION**

FIG. 1 is a side elevation view of a spinal implant in accordance with the new design;  
FIG. 2 is a front plan view of the spinal implant of FIG. 1;  
FIG. 3 is a back plan view of the spinal implant of FIG. 1;  
FIG. 4 is a top plan view of the spinal implant of FIG. 1;  
FIG. 5 is a bottom plan view of the spinal implant of FIG. 1;  
FIG. 6 is a side plan view of the spinal implant of FIG. 1; and,  
FIG. 7 is an opposite side plan view of the spinal implant of FIG. 1.

**1 Claim, 4 Drawing Sheets**

- (56) **References Cited**  
U.S. PATENT DOCUMENTS
- |           |    |         |                   |
|-----------|----|---------|-------------------|
| 3,867,728 | A  | 2/1975  | Stubstad          |
| 4,955,908 | A  | 9/1990  | Frey et al.       |
| 5,496,372 | A  | 3/1996  | Hamamoto et al.   |
| 5,545,229 | A  | 8/1996  | Parsons et al.    |
| 5,609,635 | A  | 3/1997  | Michelson         |
| 7,001,551 | B2 | 2/2006  | Meredith          |
| D625,821  | S  | 10/2010 | Goncalves et al.  |
| 9,295,562 | B2 | 3/2016  | Lechmann et al.   |
| 9,345,817 | B2 | 5/2016  | Papengelou et al. |
| D773,047  | S  | 11/2016 | Goncalves et al.  |
| 9,636,226 | B2 | 5/2017  | Hunt              |
| 9,662,157 | B2 | 5/2017  | Schneider et al.  |



(56)

**References Cited**

U.S. PATENT DOCUMENTS

2012/0303128 A1 11/2012 Ulrich et al.  
2012/0321878 A1 12/2012 Landon et al.  
2015/0094813 A1\* 4/2015 Lechmann ..... A61F 2/441  
623/17.15  
2016/0270920 A1\* 9/2016 Dawson ..... A61F 2/4601  
2016/0324656 A1 11/2016 Morris et al.  
2017/0020685 A1\* 1/2017 Geisler ..... A61F 2/442  
2017/0156880 A1 6/2017 Halverson et al.  
2018/0110624 A1\* 4/2018 Arnone ..... A61F 2/30767  
2018/0243097 A1 8/2018 Jones et al.  
2018/0256336 A1\* 9/2018 Mueller ..... B33Y 70/00  
2018/0296363 A1 10/2018 Berry  
2018/0338838 A1\* 11/2018 Cryder ..... A61F 2/4611  
2019/0076258 A1\* 3/2019 Black ..... B33Y 80/00  
2019/0083270 A1 3/2019 Milz et al.  
2019/0133783 A1 5/2019 Unger et al.

\* cited by examiner

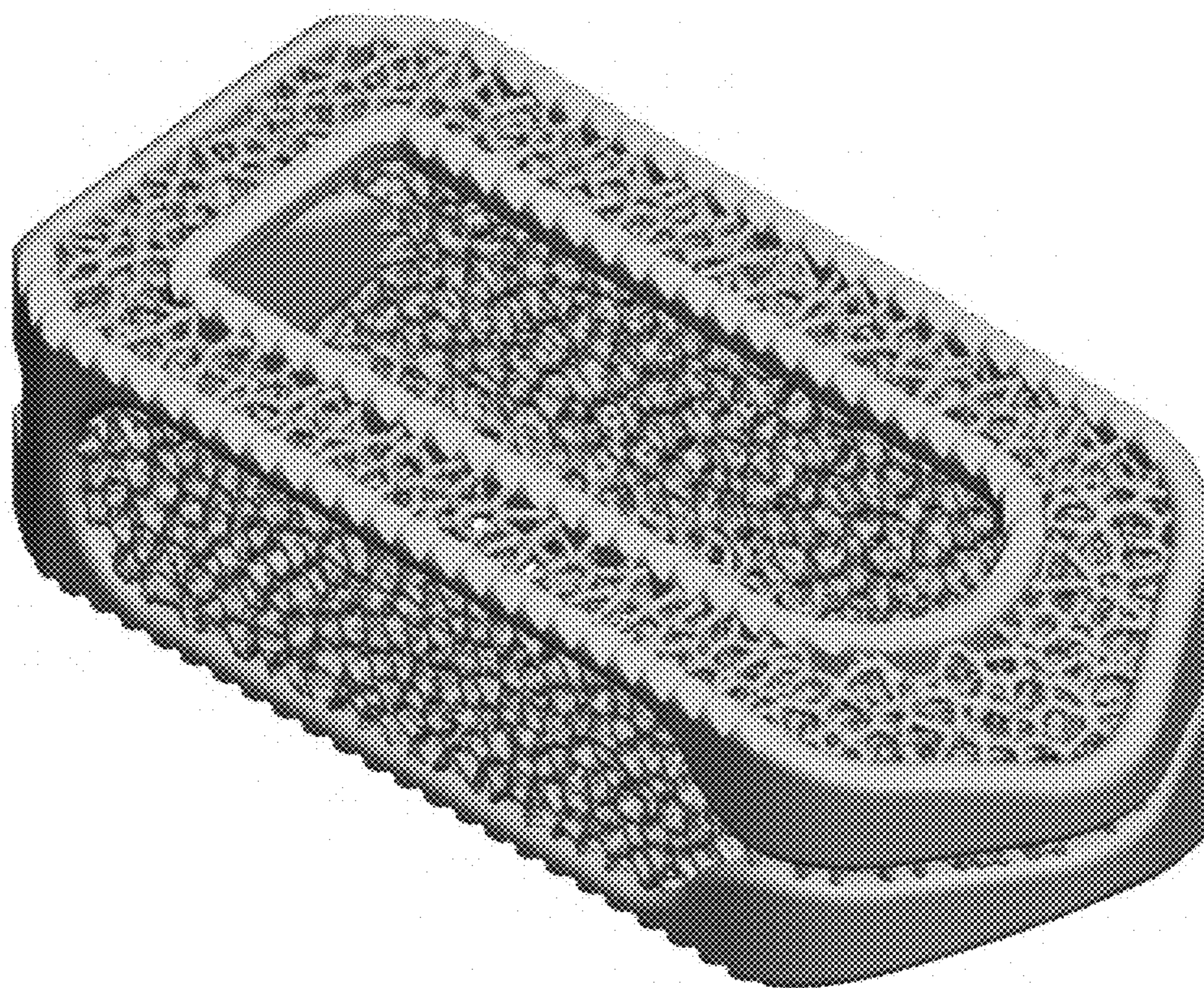


FIG. 1

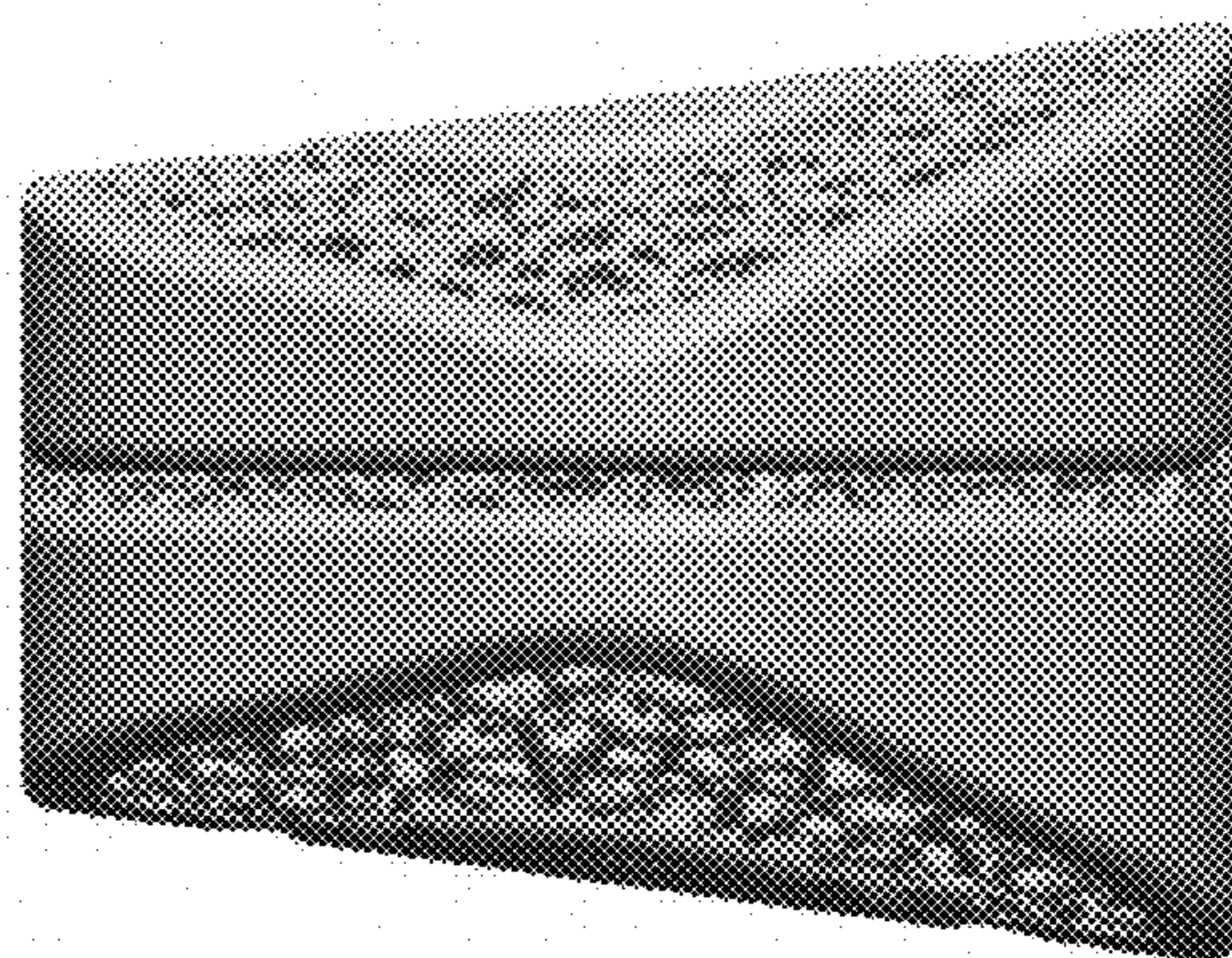


FIG. 2

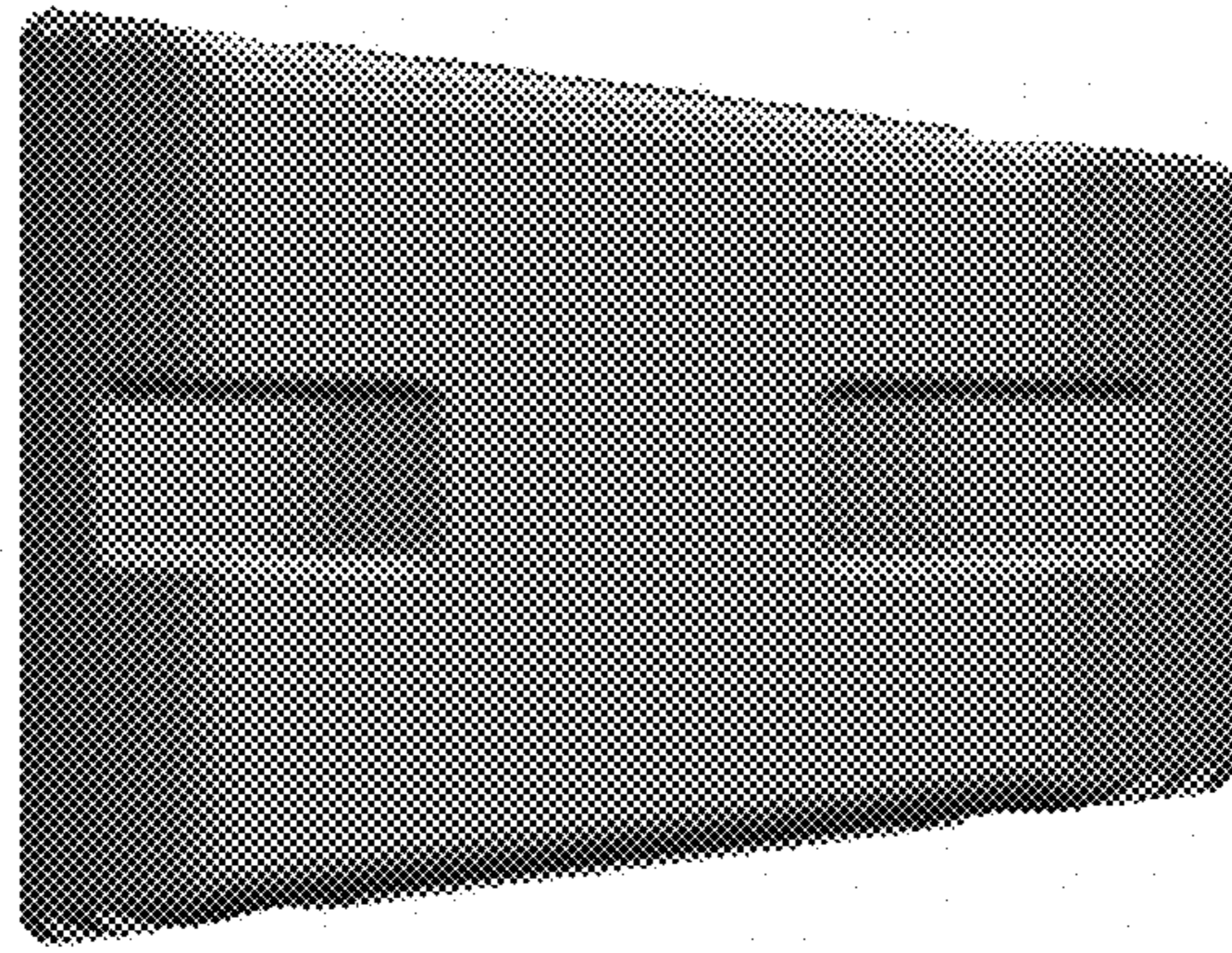


FIG. 3

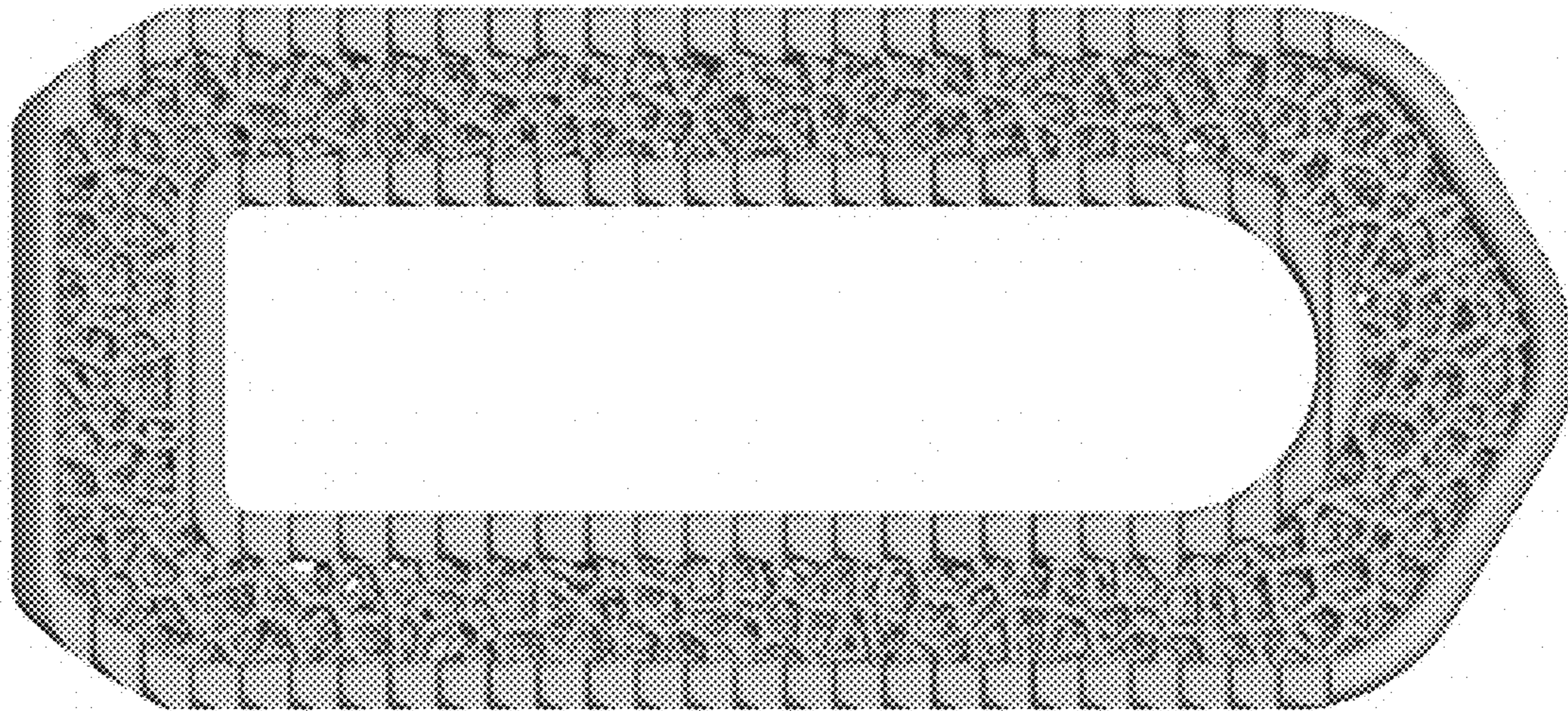


FIG. 4

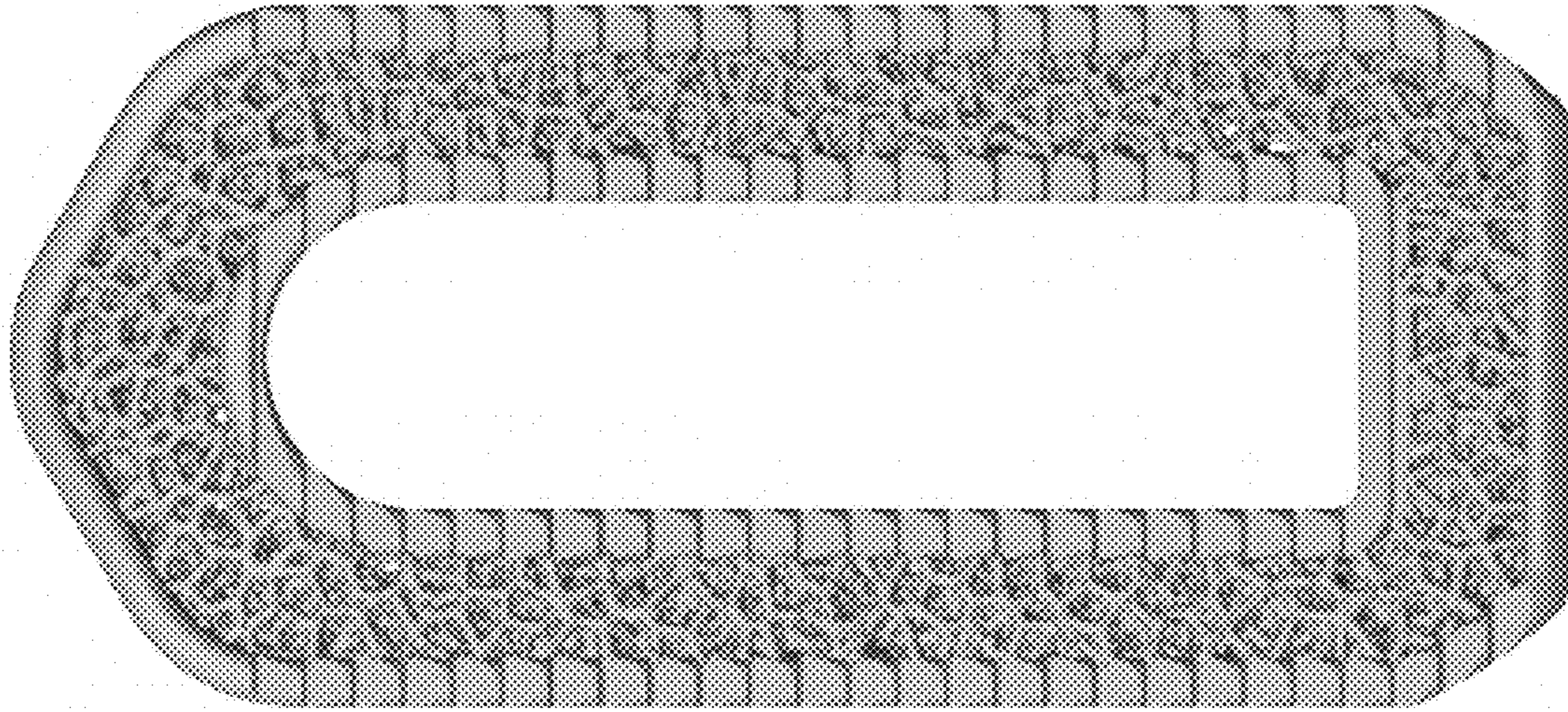


FIG. 5

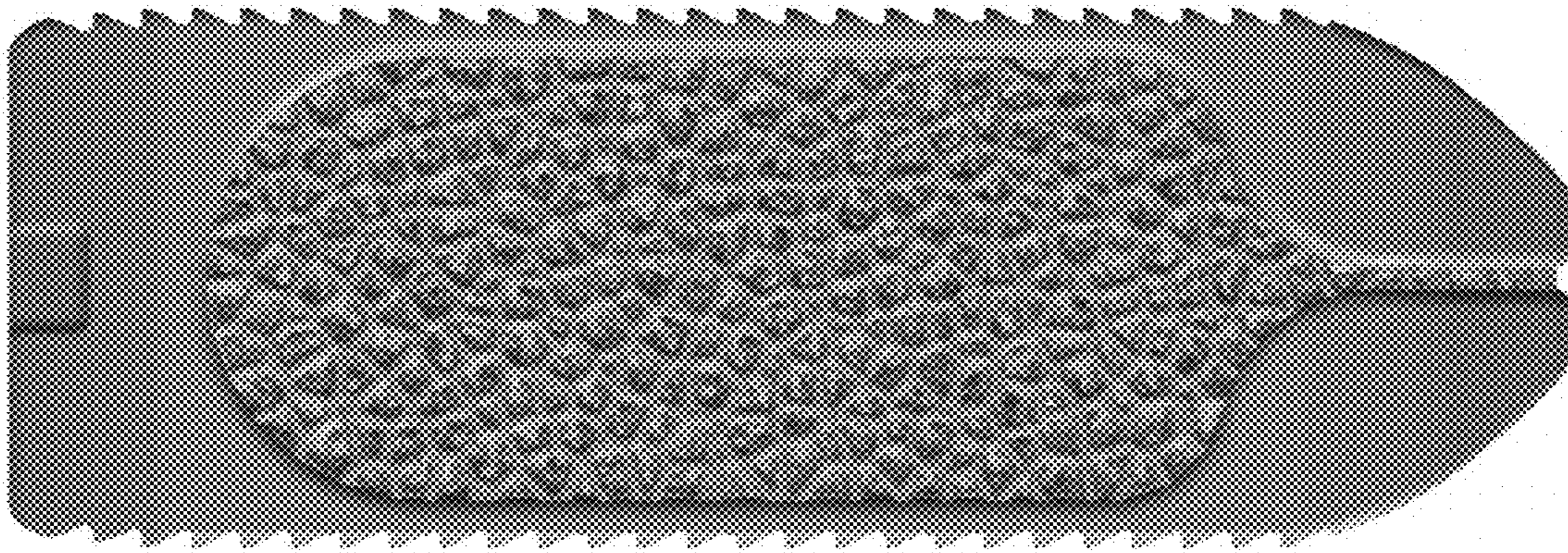


FIG. 6

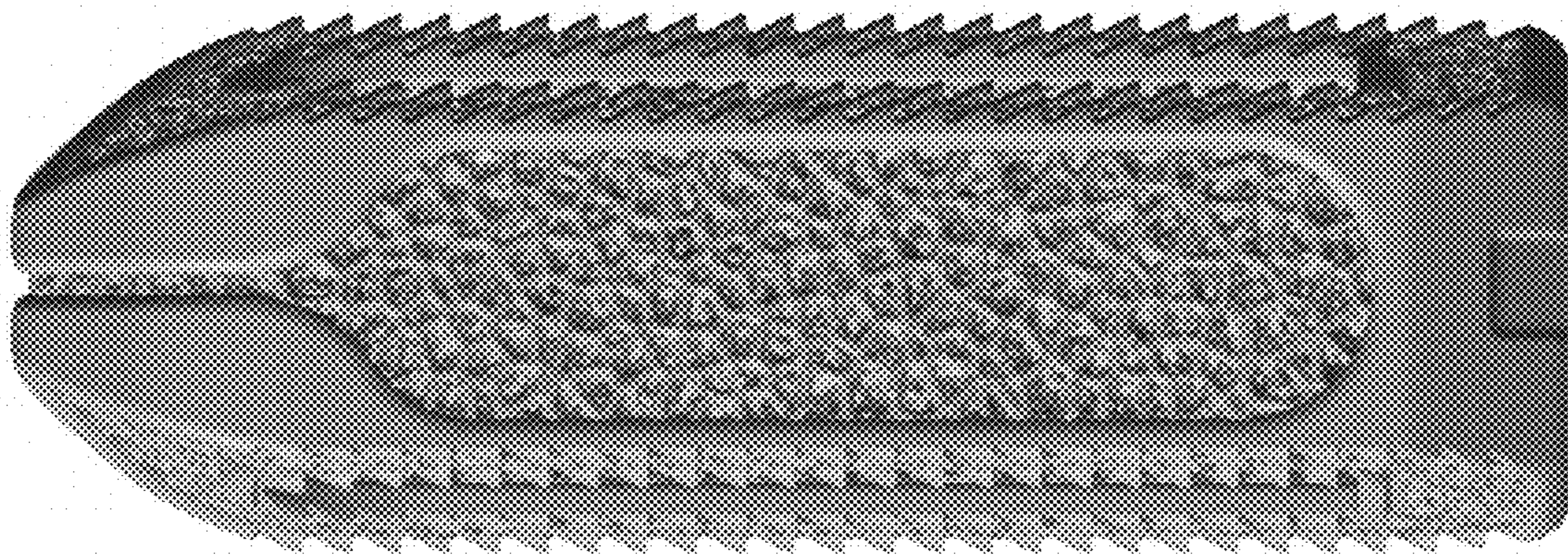


FIG. 7