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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**
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A61F 2220/0025; A61F 2310/00023;
A61F 2310/00017; A61F 2002/4475;
A61F 2002/30841; A61F 2002/2835;
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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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Brian E. Turung

(57) **CLAIM**

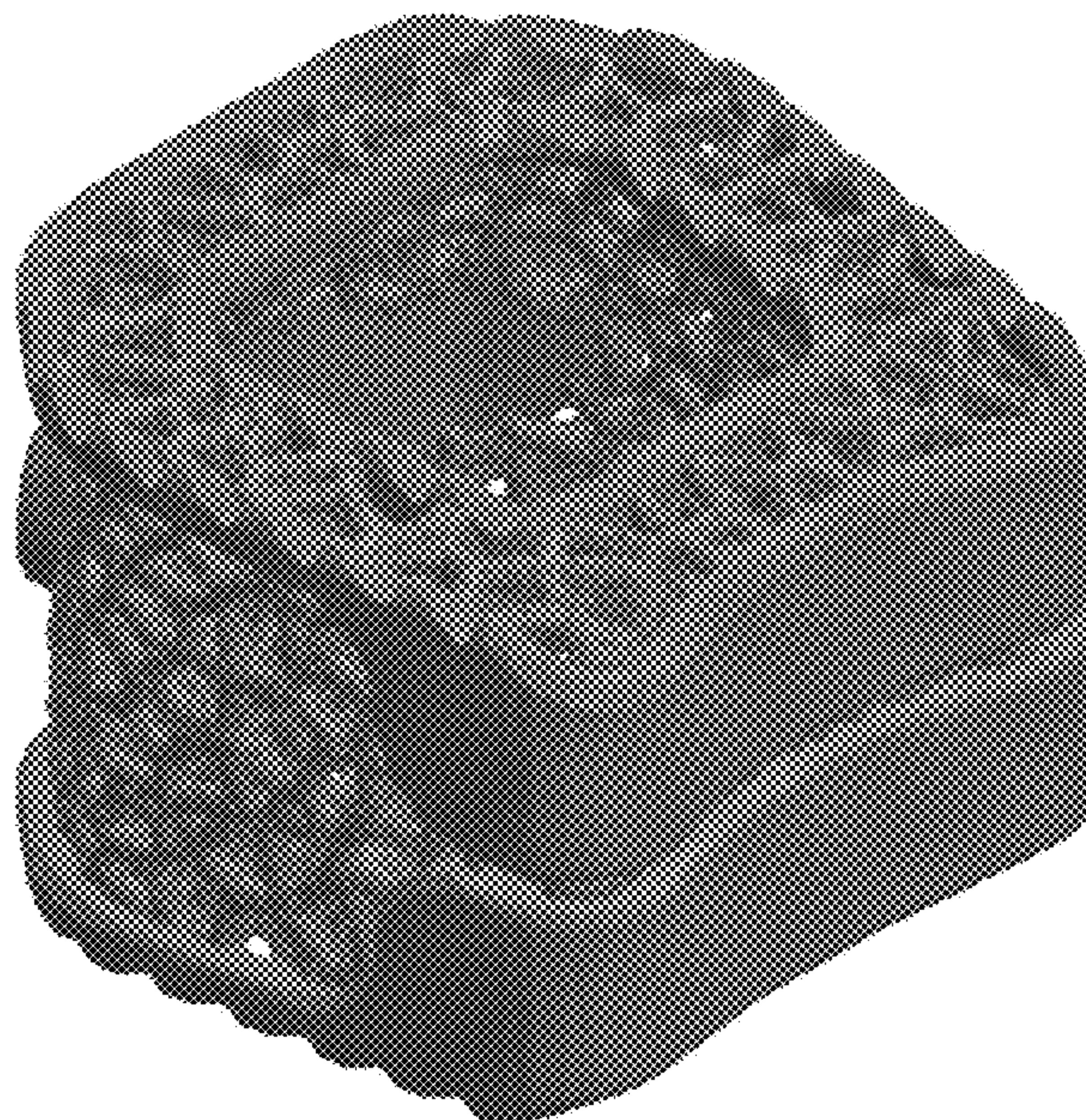
The ornamental design for a spinal implant, as shown and described.

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 Papangelou 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

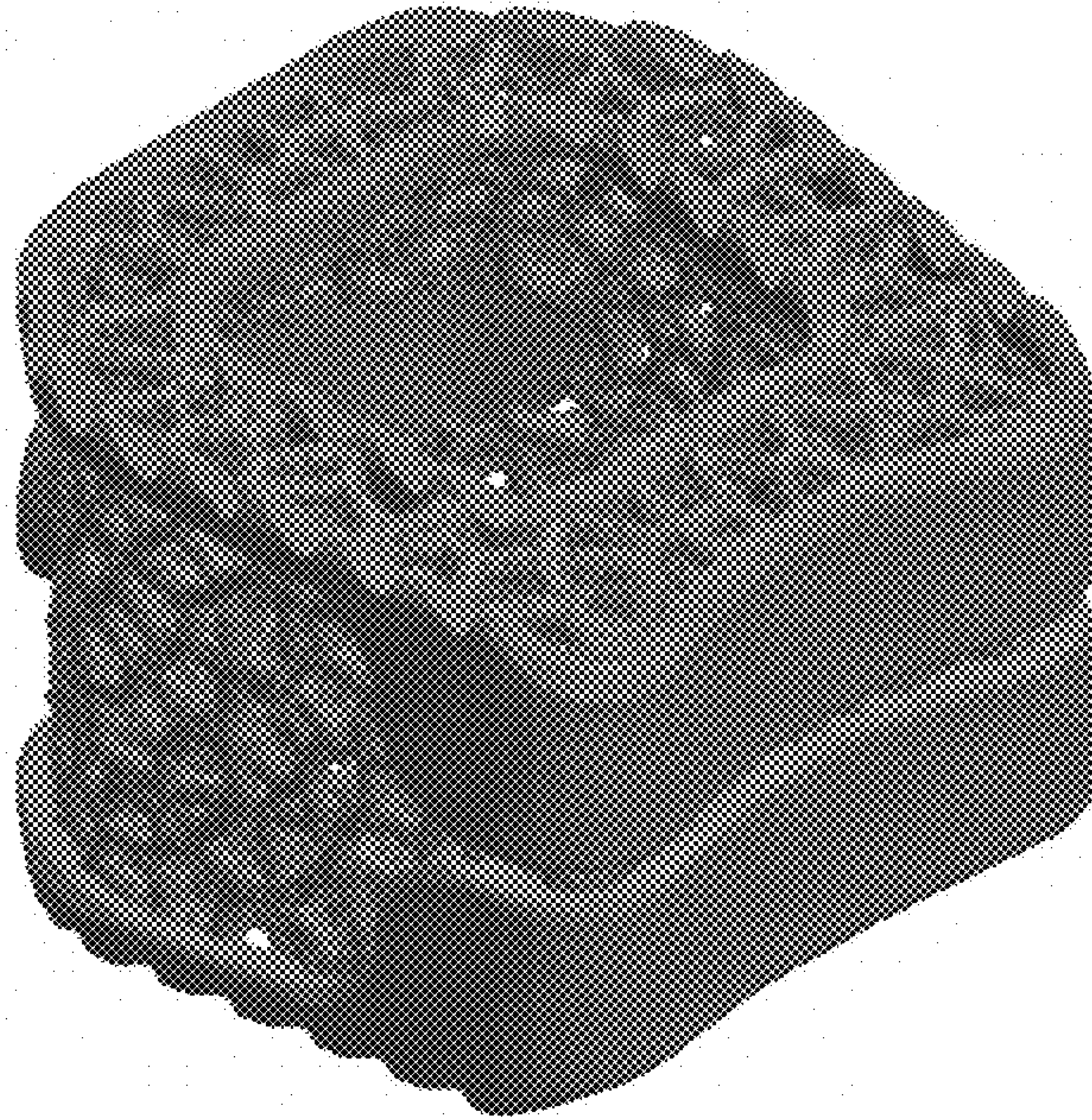


FIG. 1

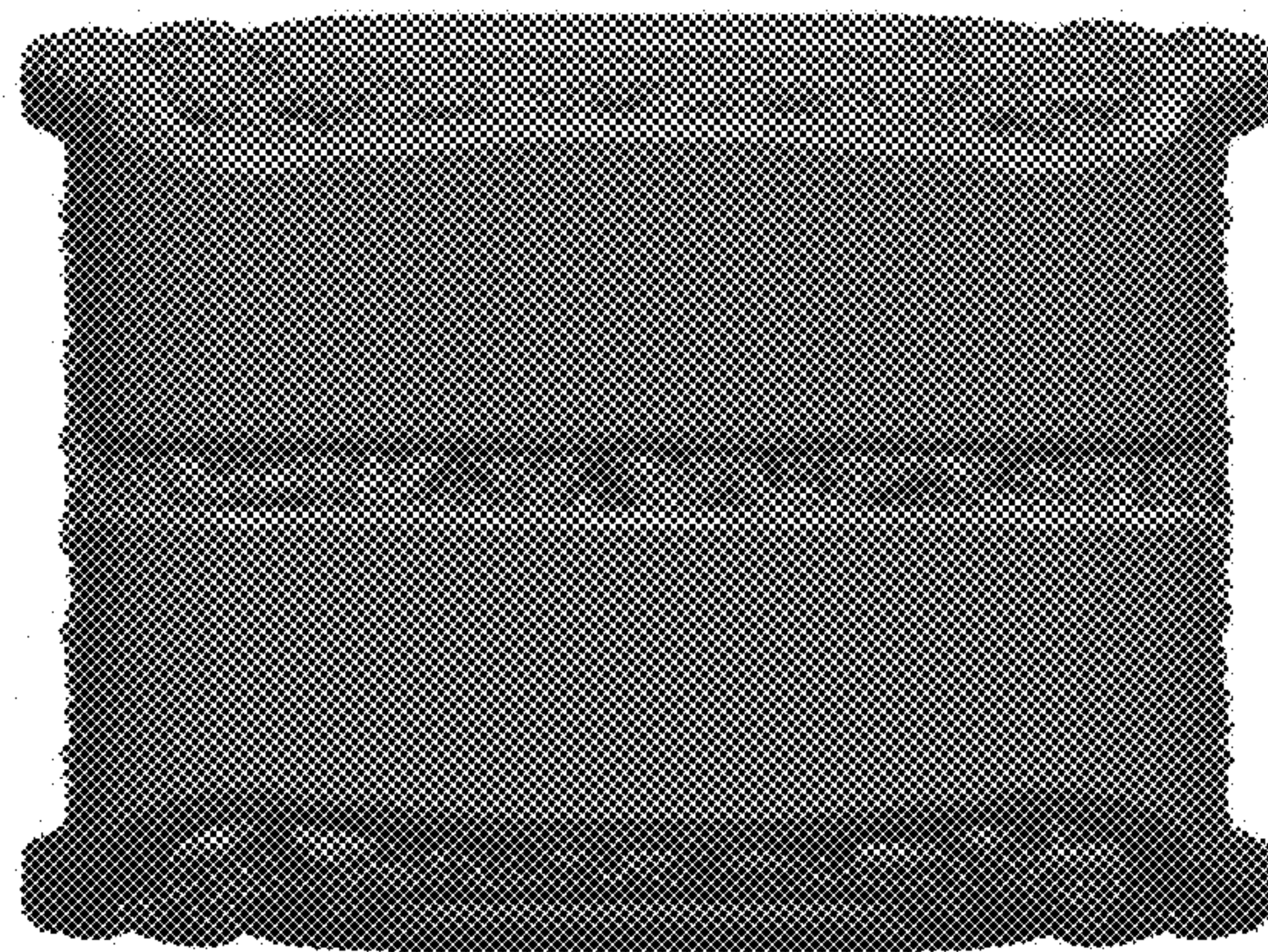


FIG. 2

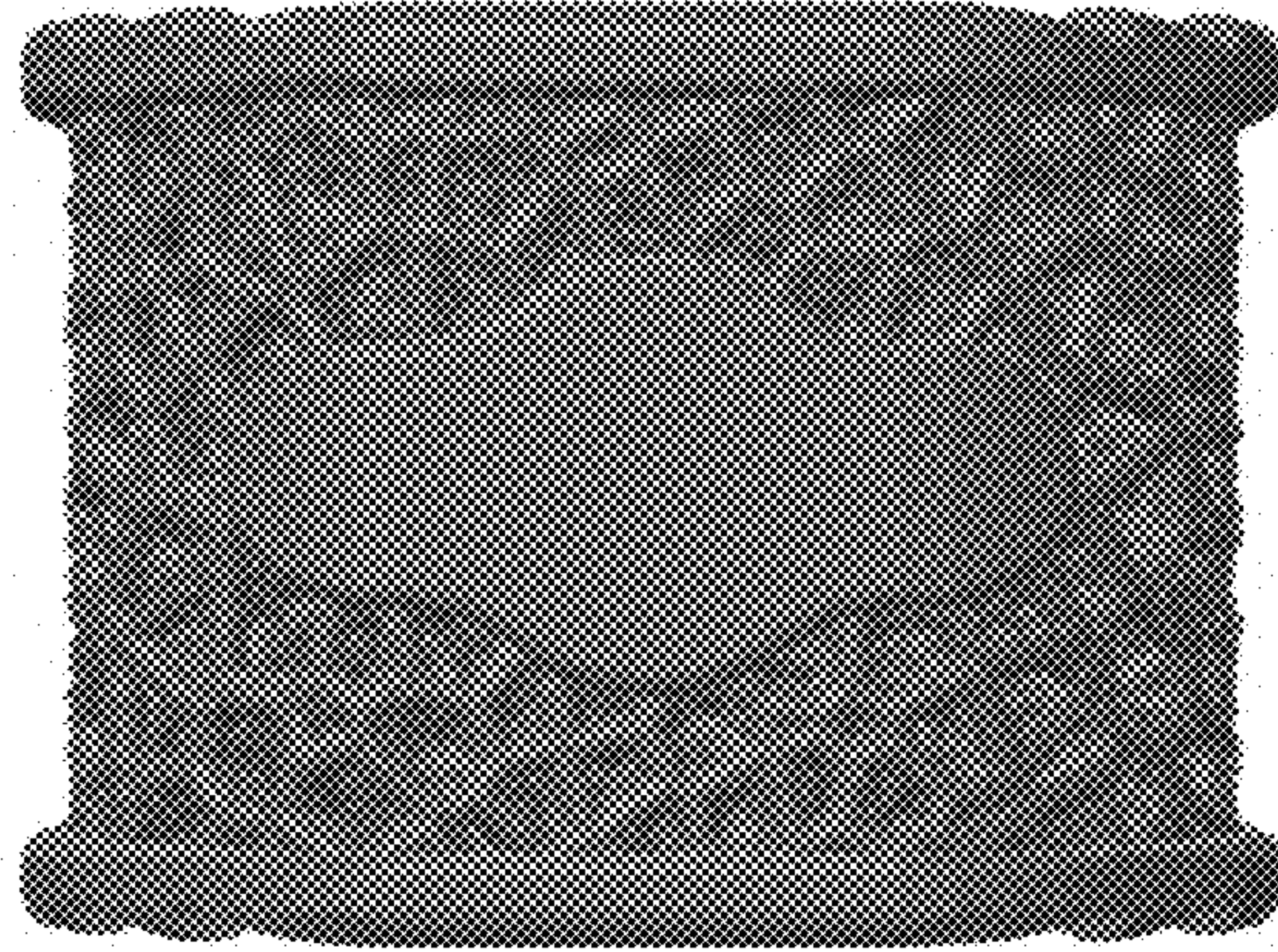


FIG. 3

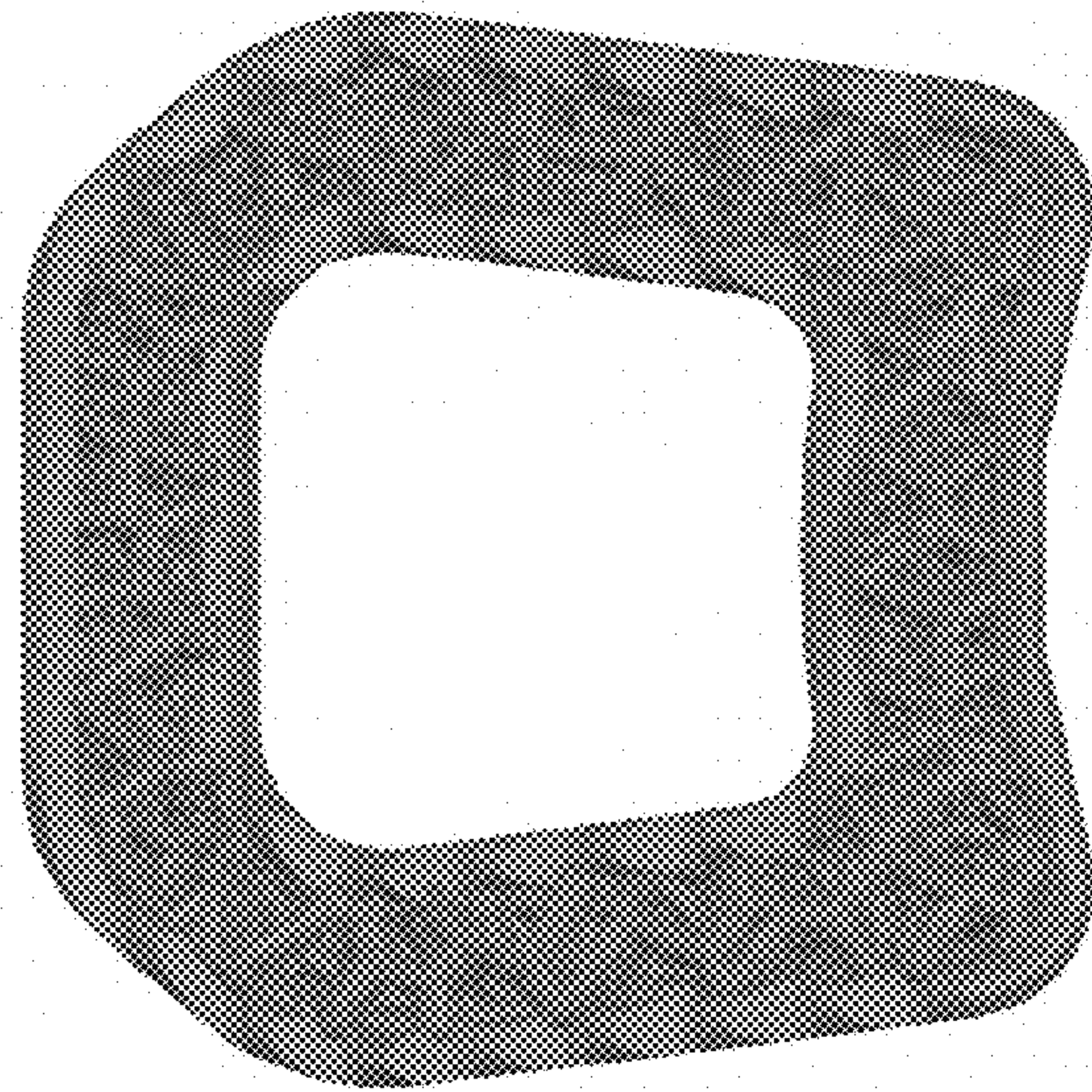


FIG. 4

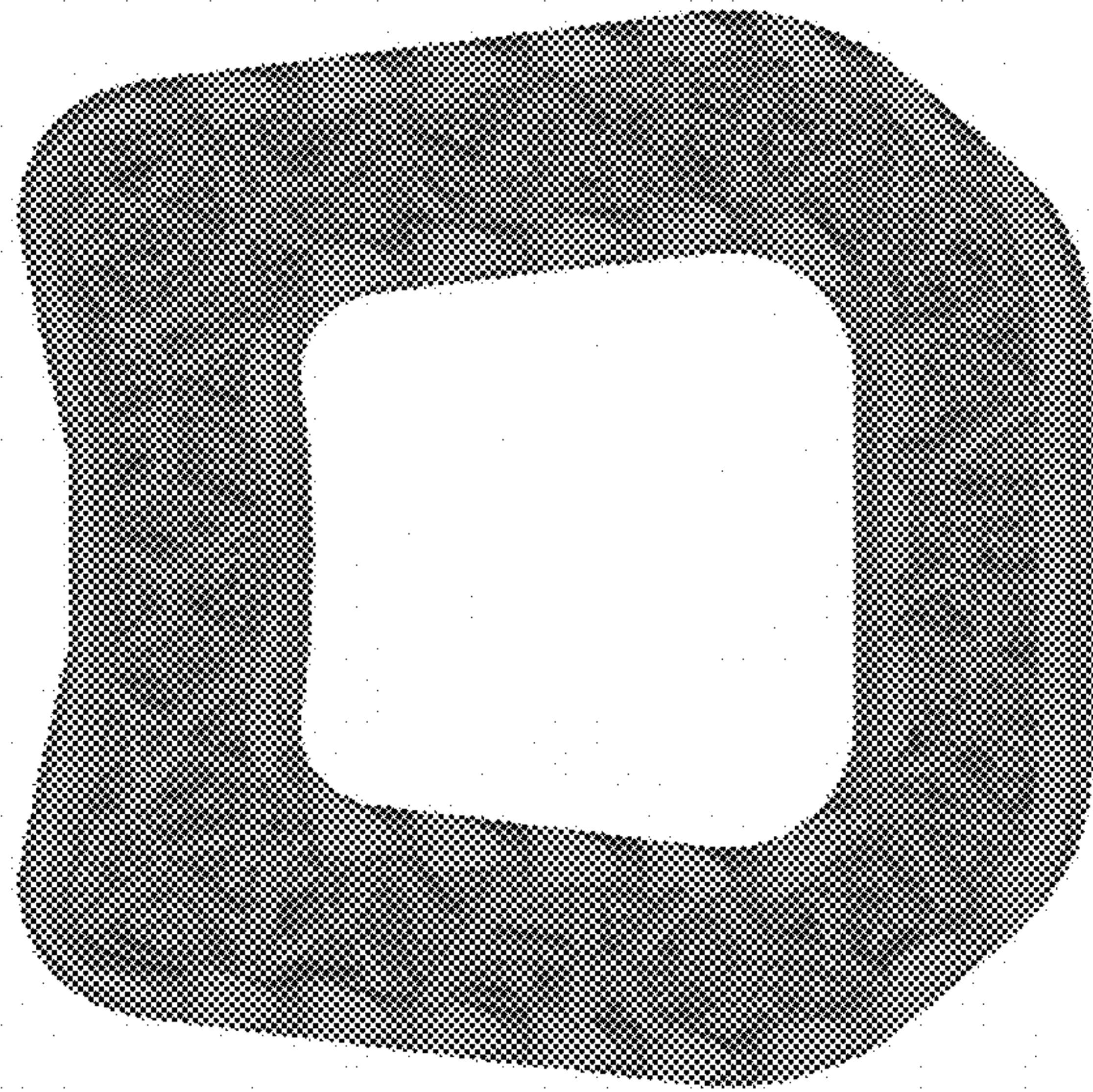


FIG. 5

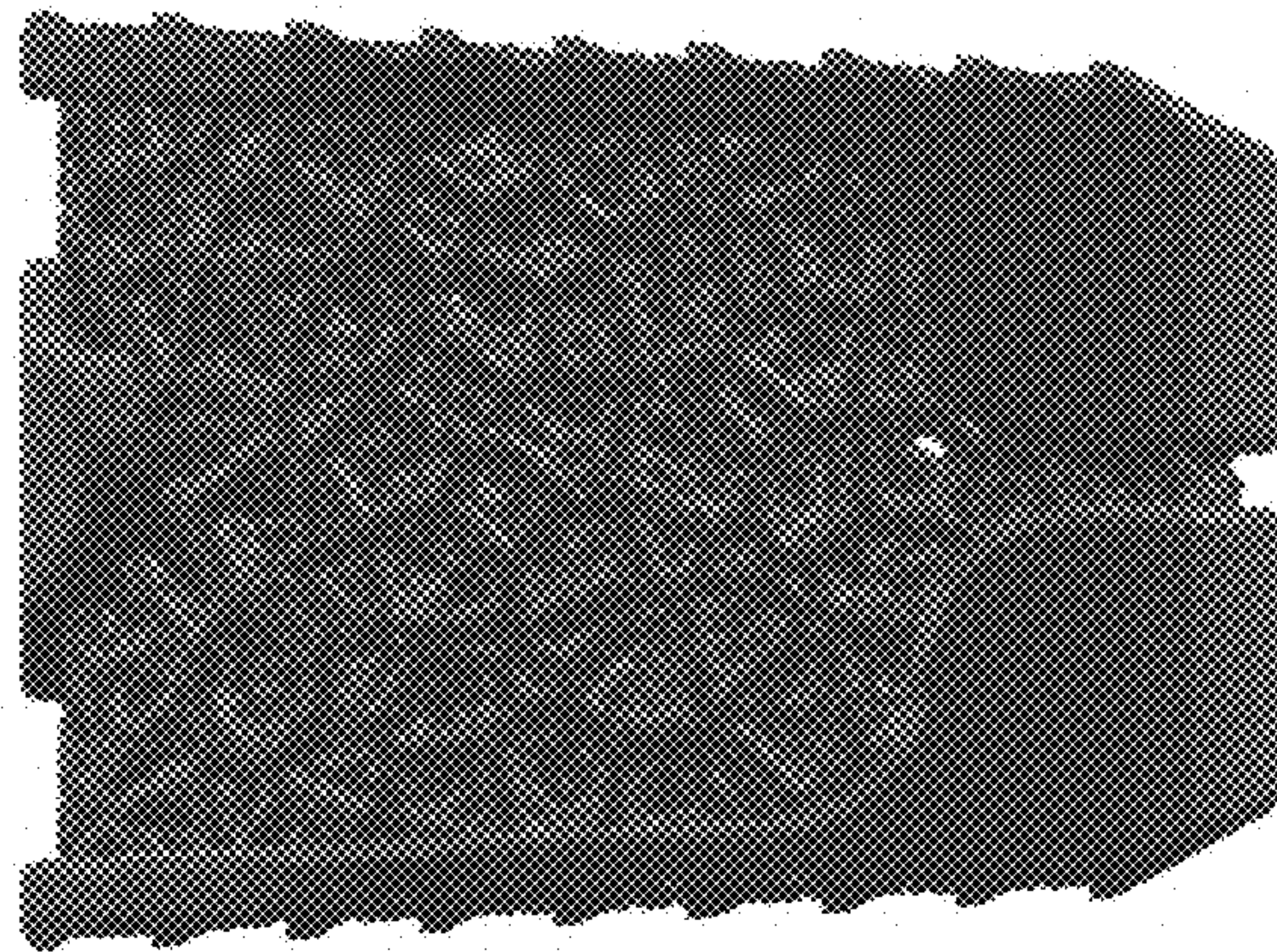


FIG. 6

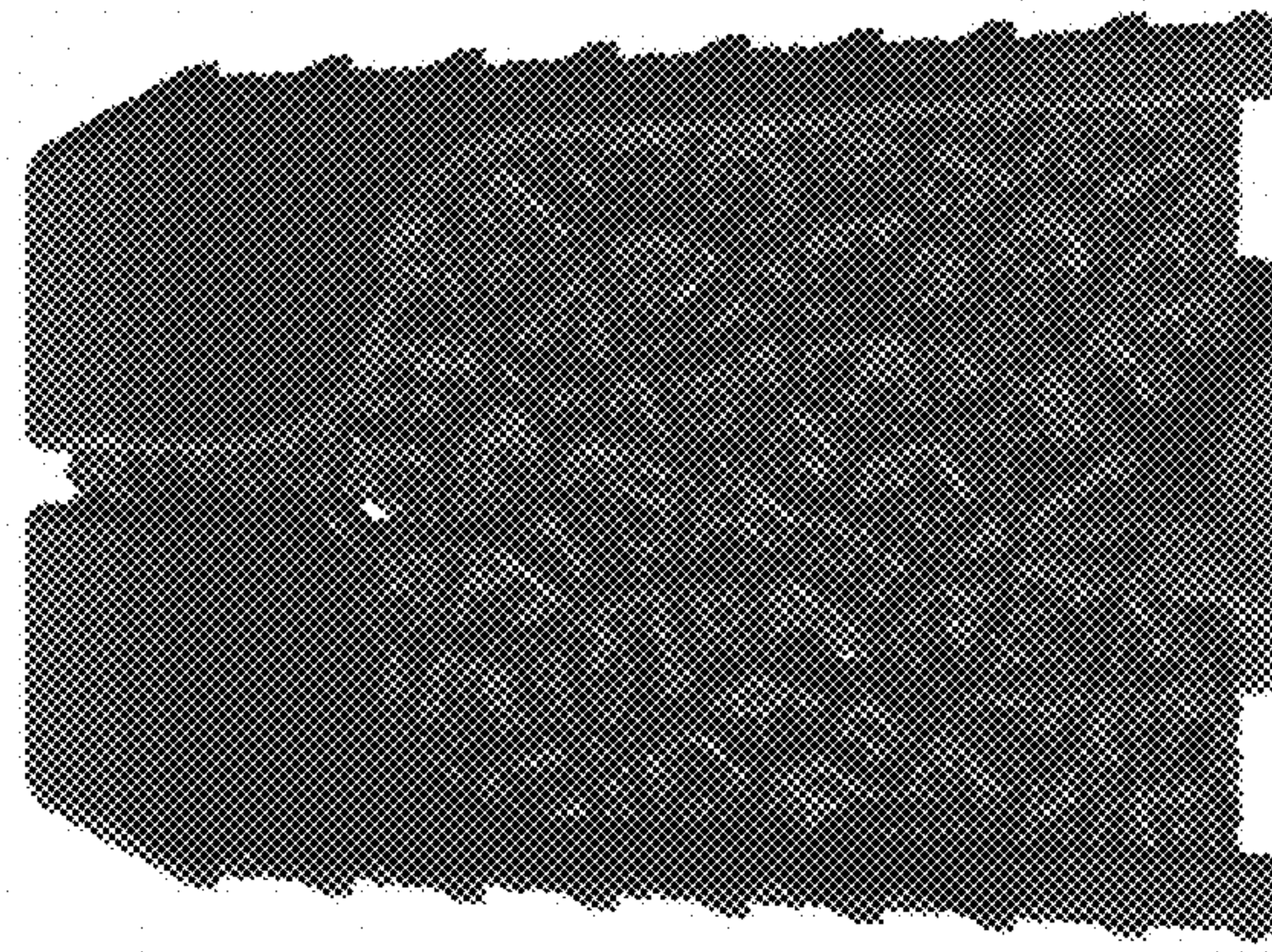


FIG. 7