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

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- (54) **TIRE BALANCERS (WEIGHTS)**
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 - Jan. 30, 2014 (EM) 002395590-0006
 - Jan. 30, 2014 (EM) 002395590-0007
 - Jan. 30, 2014 (EM) 002395590-0008

D729,664 S * 5/2015 Burgel D10/94
 D729,665 S * 5/2015 Burgel D10/94
 D729,666 S * 5/2015 Burgel D10/94

FOREIGN PATENT DOCUMENTS

EM	002292748-0001	8/2013
EM	002292748-0002	8/2013
EM	002292748-0003	8/2013
EM	002551291-0001	10/2014
EM	002551291-0002	10/2014
EM	002551291-0003	10/2014
EM	002551291-0004	10/2014
EM	002551309-0001	10/2014
EM	002551309-0002	10/2014
EM	002551309-0003	10/2014
EM	002551309-0004	10/2014
EM	002551325-0001	10/2014
EM	002551325-0002	10/2014
EM	002551325-0003	10/2014
EM	002551325-0004	10/2014

* cited by examiner

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- (51) **LOC (10) CL.** **10-04**
- (52) **U.S. CL.**
USPC **D10/94**
- (58) **Field of Classification Search**
USPC D10/94; D21/385, 391, 491, 680;
177/264
CPC F16F 15/32; F16F 15/322; F16F 15/324;
F16F 15/326; F16F 15/328; F16F 15/34;
F16F 15/345; F16F 15/36; F16F 15/363;
F16F 15/366; G01G 1/32; G01G 1/34; G01G
21/26
See application file for complete search history.

(57) **CLAIM**

The ornamental designs for tire balancers (weights), as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a first embodiment including a chain of balancing weights joined by a mounting strip;
 FIG. 2 is a top view of the first embodiment;
 FIG. 3 is a left side view of the first embodiment, the right side view being a mirror image thereof;
 FIG. 4 is a first end view of the first embodiment, the second end view being a mirror image thereof;
 FIG. 5 is a perspective view of a second embodiment including a single balancing weight and portion of the mounting strip of the first embodiment;
 FIG. 6 is a top view of the second embodiment;
 FIG. 7 is a first end view of the second embodiment, the second end view being a mirror image thereof;

(56) **References Cited**
U.S. PATENT DOCUMENTS

6,592,188	B2 *	7/2003	Yamaguchi	.....	301/5.21
6,659,567	B2 *	12/2003	Yamaguchi	.....	301/5.21
6,874,856	B2 *	4/2005	Yoshimura et al.	.....	301/5.21
8,449,042	B2 *	5/2013	Yamaguchi et al.	.....	301/5.21
D709,779	S *	7/2014	Burgel	.....	D10/94
D710,225	S *	8/2014	Burgel	.....	D10/94

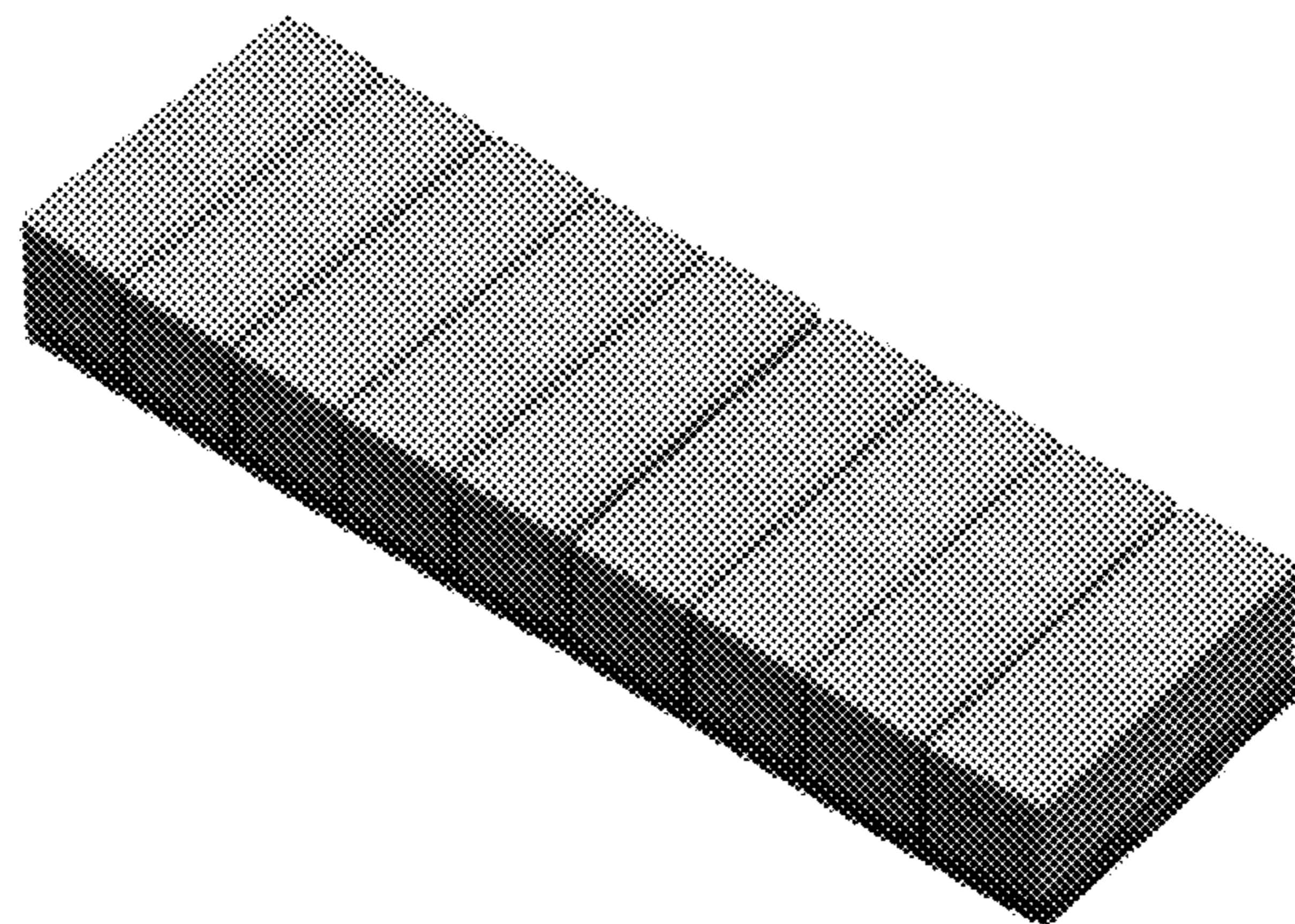


FIG. **8** is a left side view of the second embodiment, the right side view being a mirror image thereof;
FIG. **9** is a perspective view of a third embodiment including a chain of balancing weights joined by a mounting strip;
FIG. **10** is a top view of the third embodiment;
FIG. **11** is a left side view of the third embodiment, the right side view being a mirror image thereof;
FIG. **12** is a first end view of the third embodiment, the second end view being a mirror image thereof;
FIG. **13** is a perspective view of a fourth embodiment including a single balancing weight and portion of the mounting strip of the third embodiment;

FIG. **14** is a top view of the fourth embodiment;
FIG. **15** is a first end view of the fourth embodiment, the second end view being a mirror image thereof; and,
FIG. **16** is a left side view of the fourth embodiment, the right side view being a mirror image thereof.
All other surface(s) or portion(s) of the tire balancers not shown in the figures or otherwise described in the specification form no part of the claimed design.

1 Claim, 4 Drawing Sheets

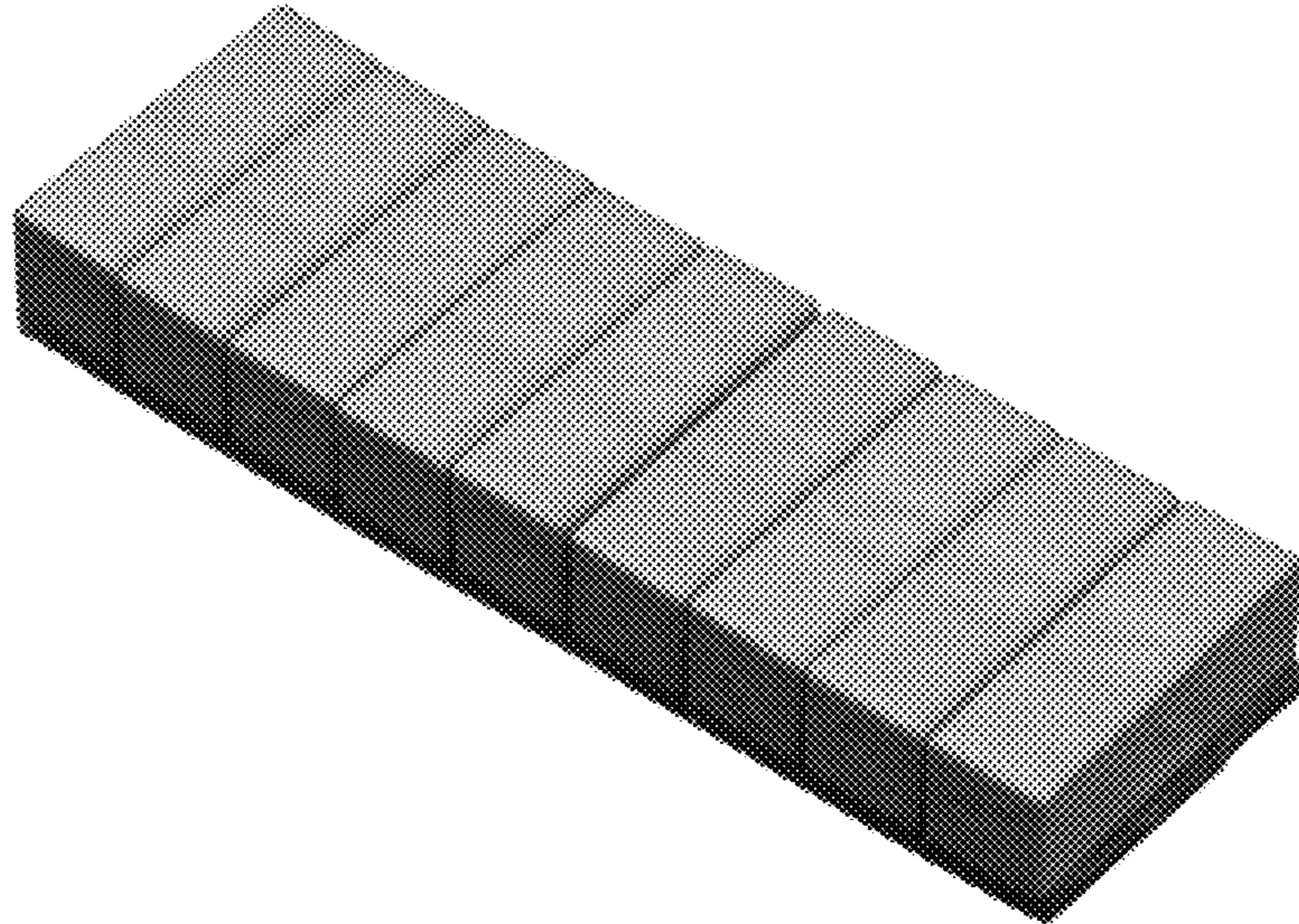


FIG. 1

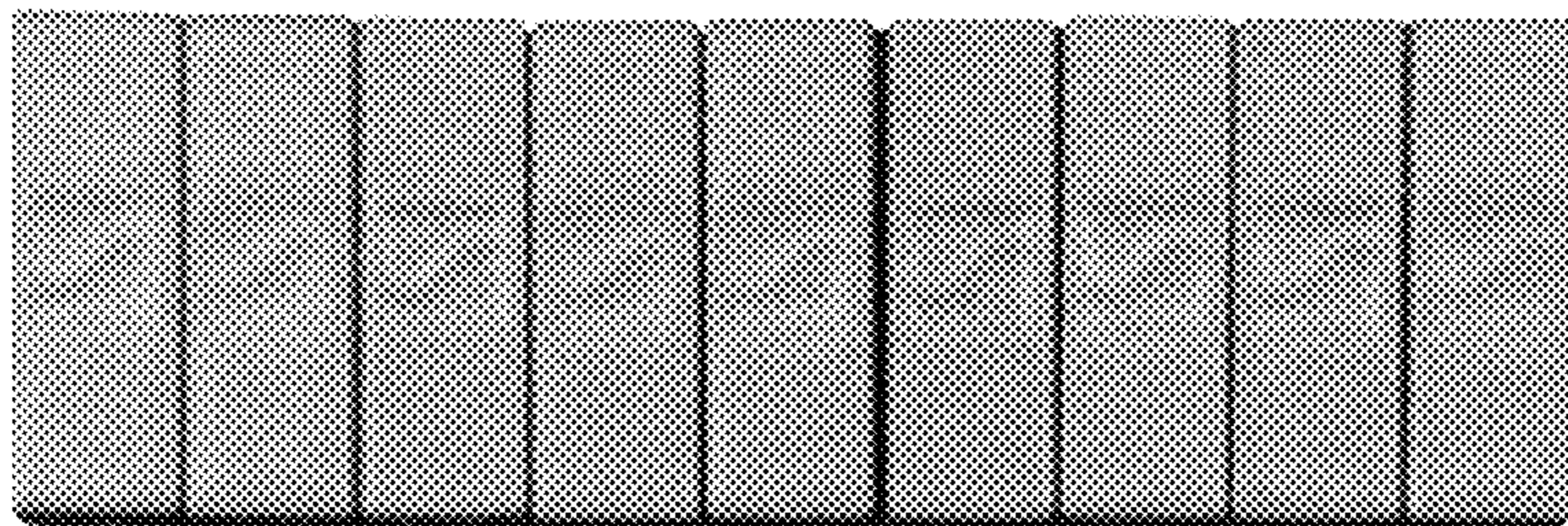


FIG. 2



FIG. 3



FIG. 4

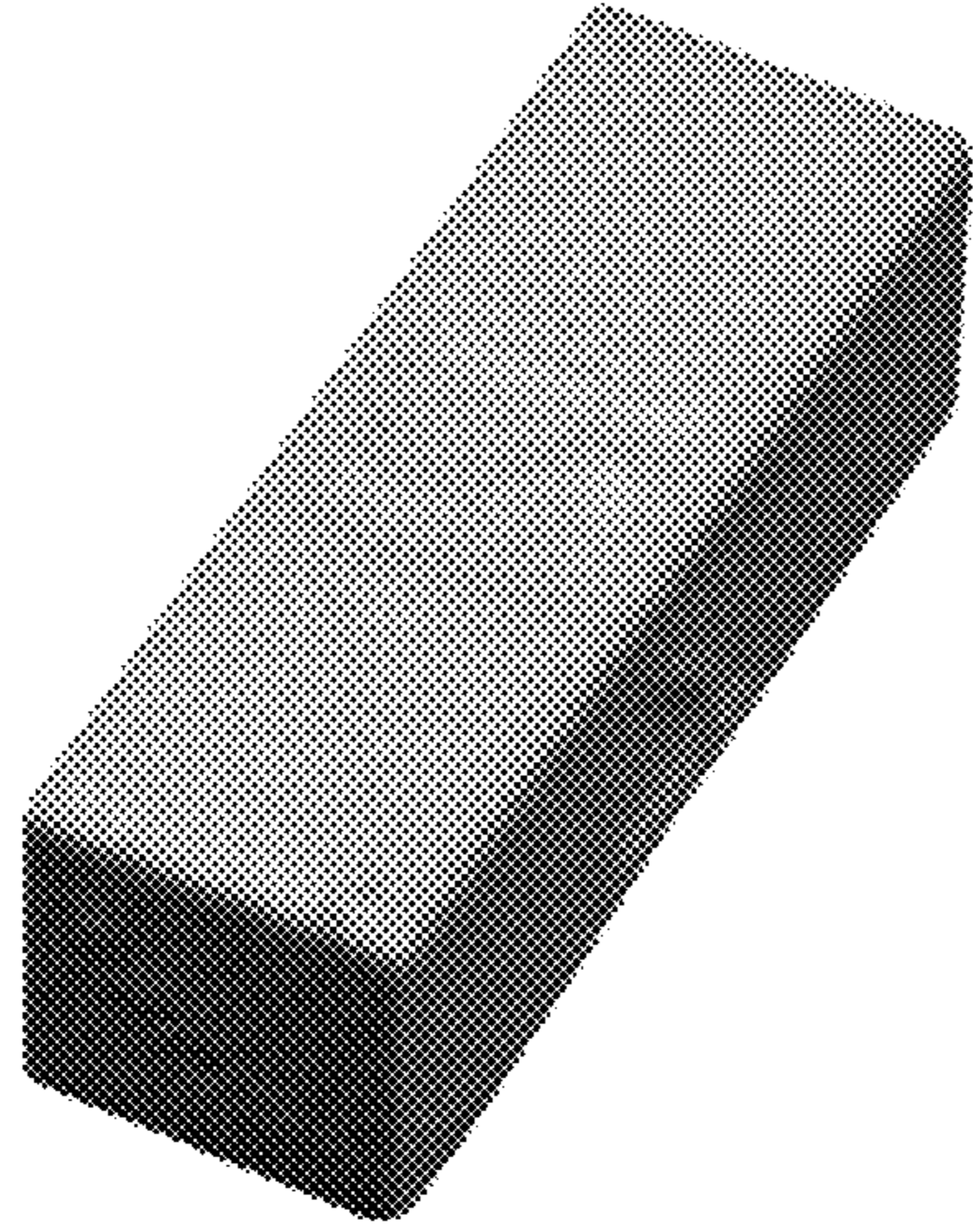


FIG. 5

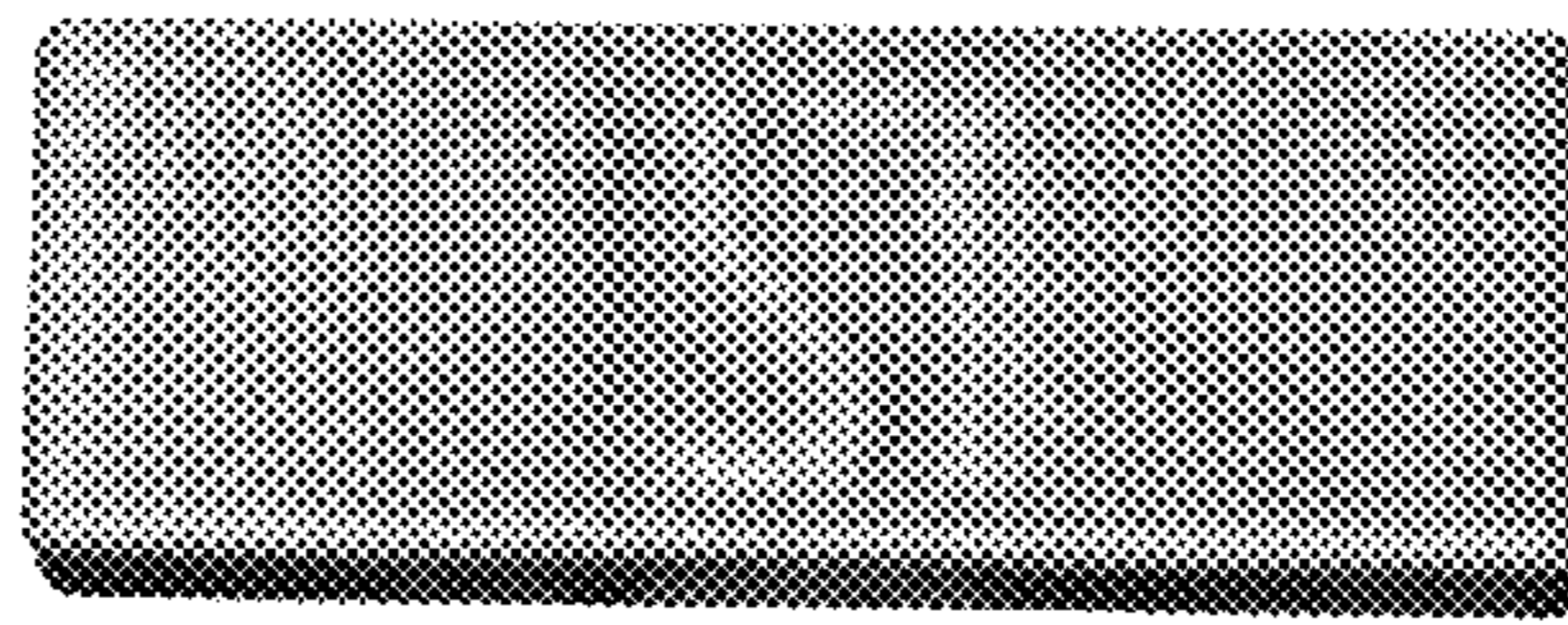


FIG. 6

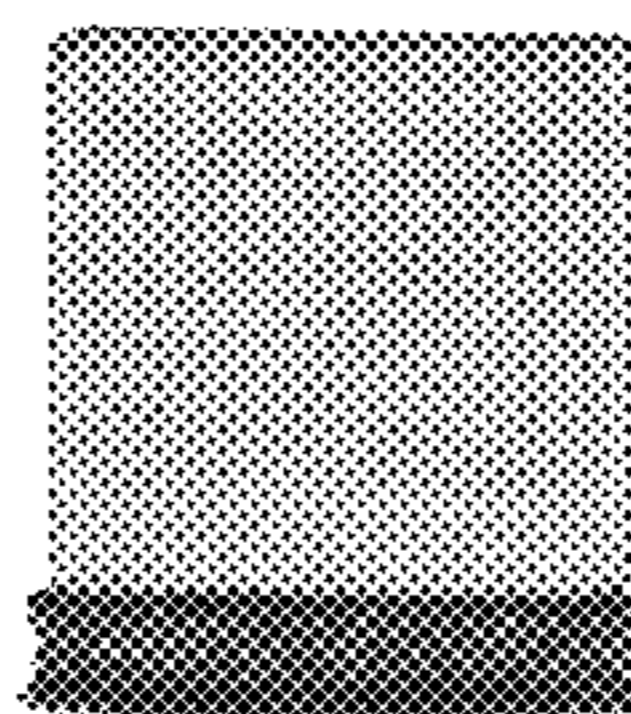


FIG. 7

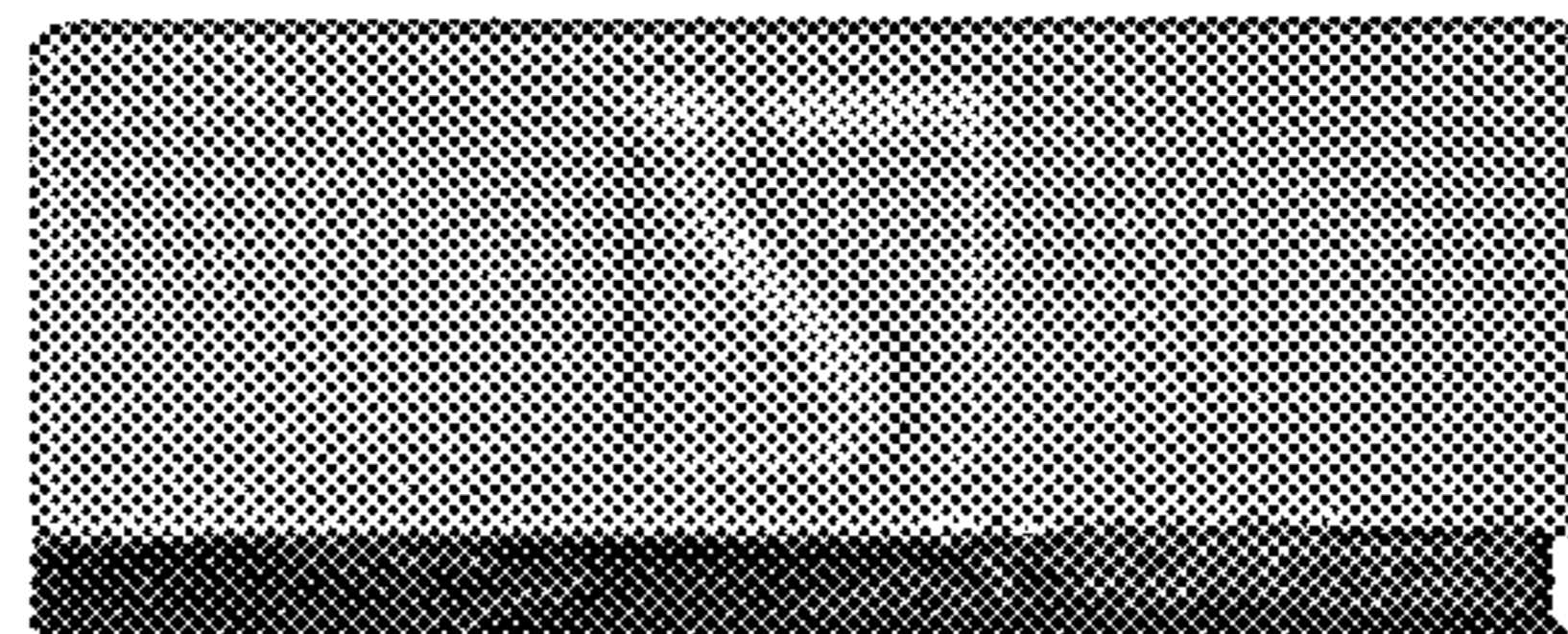


FIG. 8

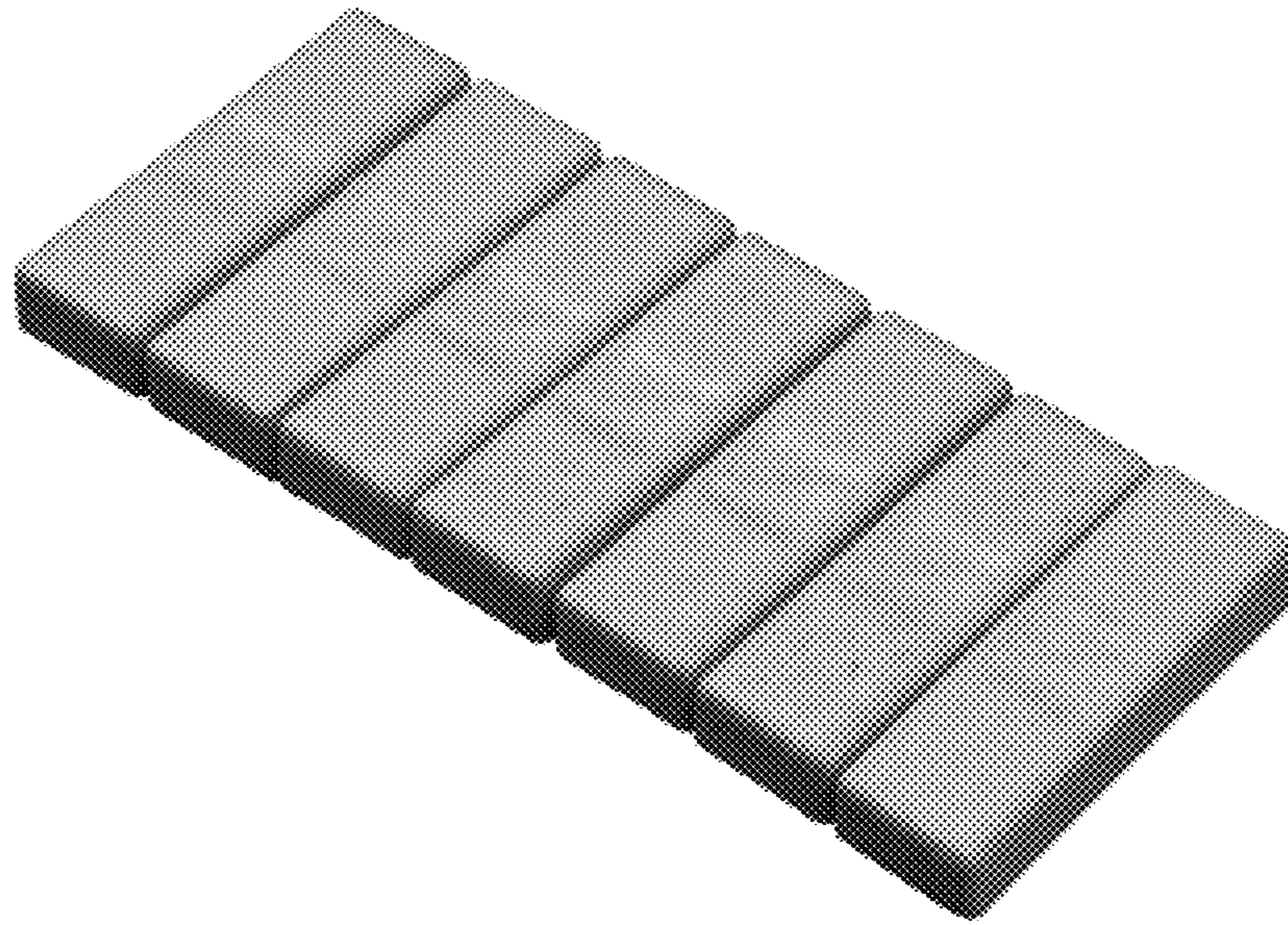


FIG. 9

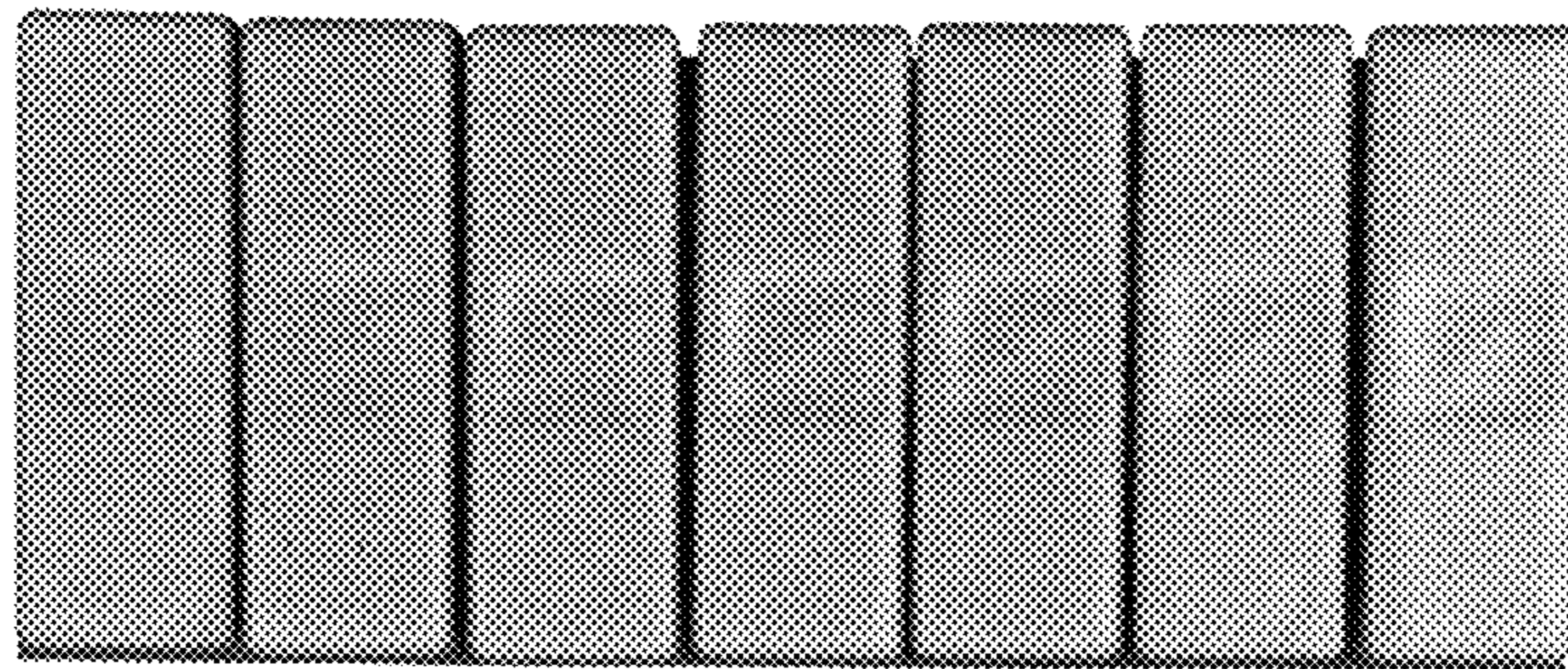


FIG. 10



FIG. 11



FIG. 12

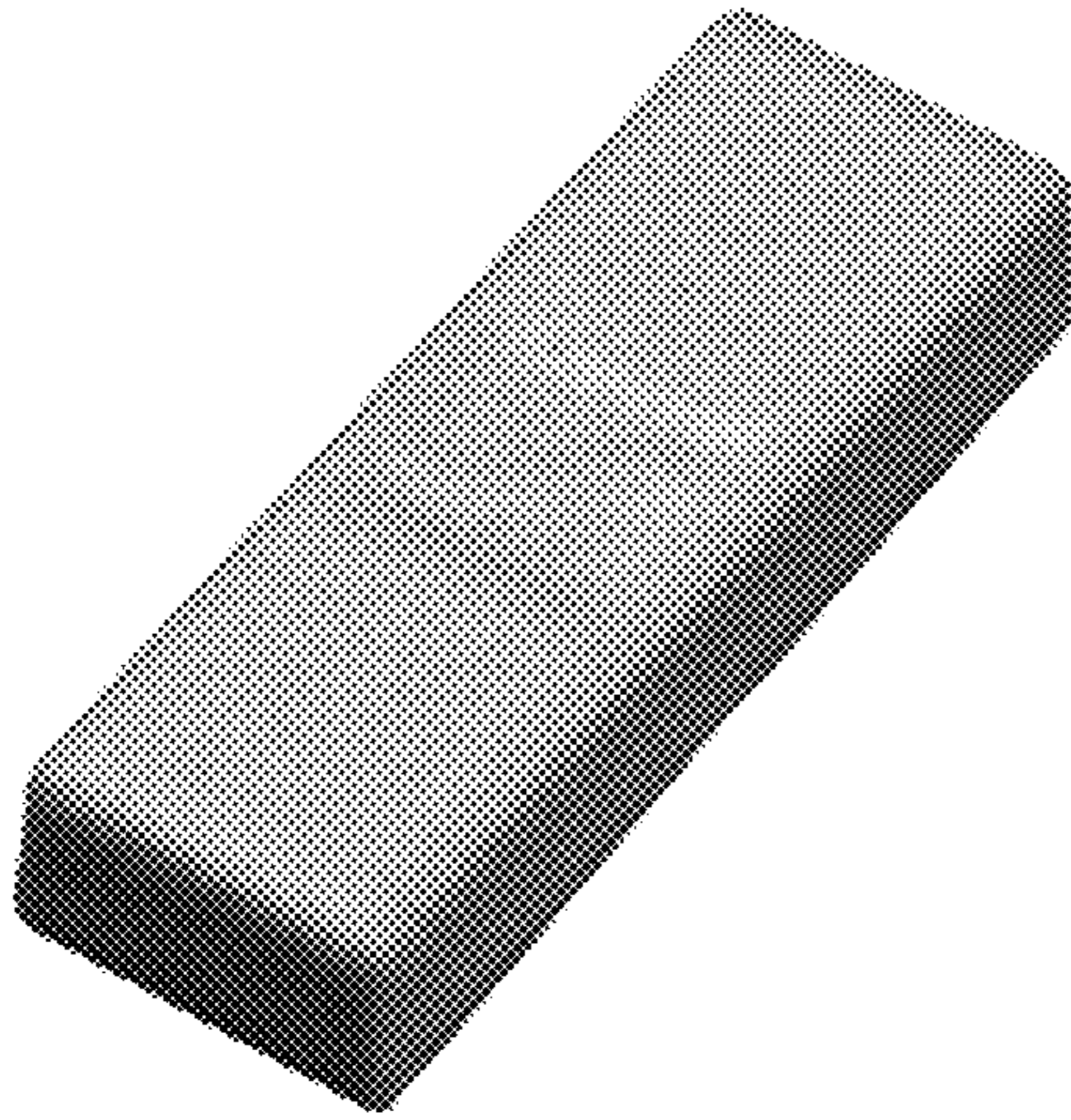


FIG. 13

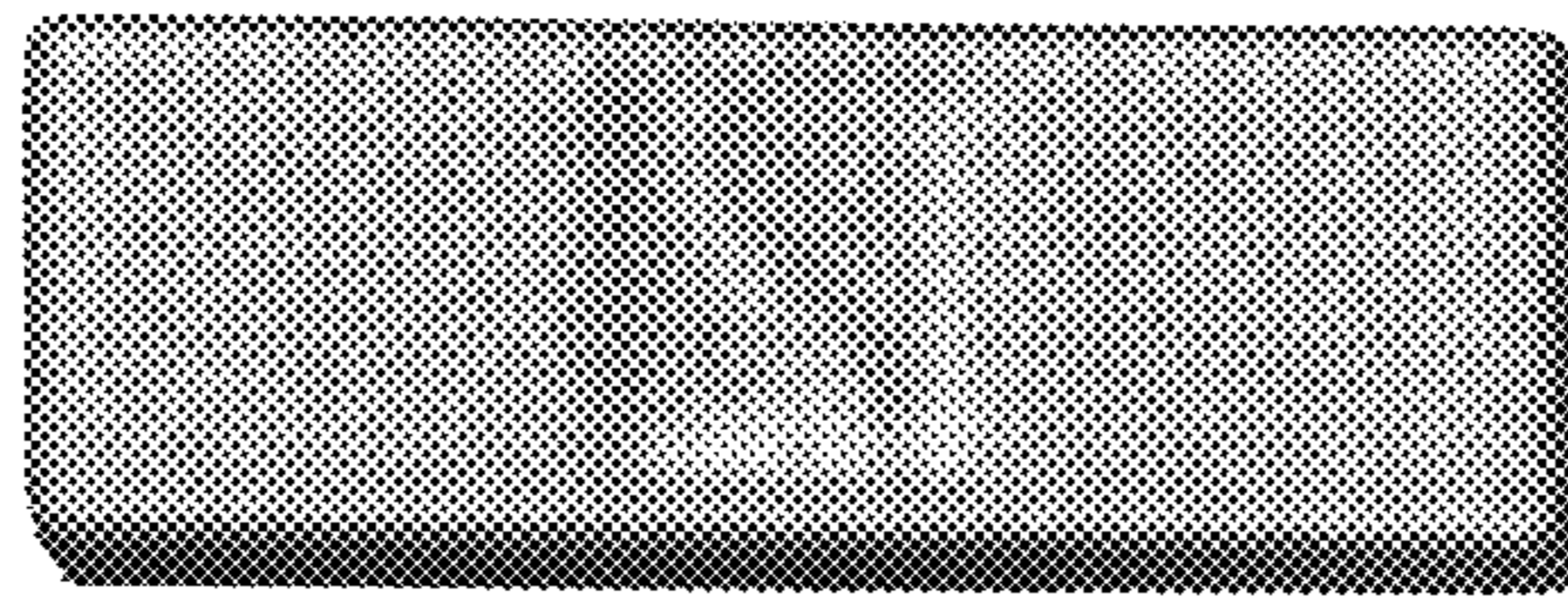


FIG. 14

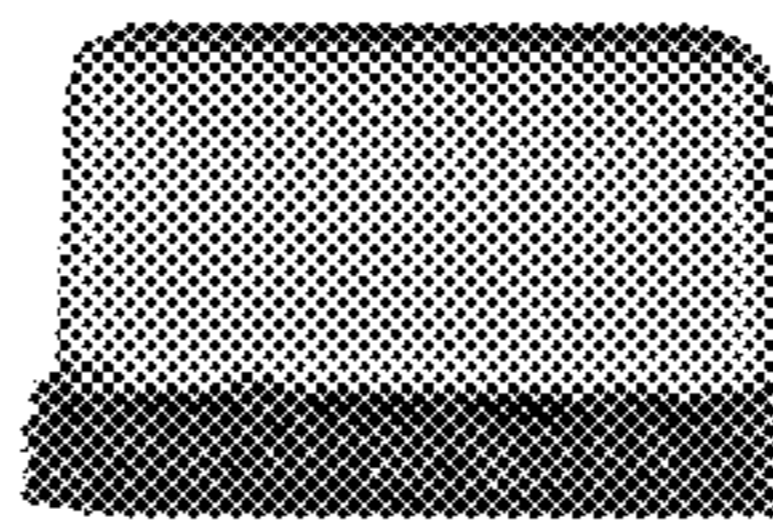


FIG. 15



FIG. 16