

US00D834161S

(12) **United States Design Patent** (10) **Patent No.:** **US D834,161 S**  
**Szolony et al.** (45) **Date of Patent:** **\*\* Nov. 20, 2018**

(54) **HEAT EXCHANGER**

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(72) Inventors: **Tomas Szolony**, Zilina (CZ); **Ondrej Sikula**, Zábřdovice (CZ)

(73) Assignee: **TOMTON s.r.o.**, Velké Albrechtice (CZ)

(\*\*) Term: **15 Years**

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(80) **Hague Agreement Data**

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(30) **Foreign Application Priority Data**

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(Continued)

(51) **LOC (11) Cl.** ..... **23-03**

(52) **U.S. Cl.**  
USPC ..... **D23/330**

(58) **Field of Classification Search**

USPC ..... D23/317, 314, 332, 333, 334, 335, 337,  
D23/342, 351, 355, 378, 370, 381, 364,  
D23/336, 341, 330

(Continued)

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*Primary Examiner* — Darlington Ly

(74) *Attorney, Agent, or Firm* — Grady K. Bergen; Griggs Bergen LLP

(57) **CLAIM**

The ornamental design for a heat exchanger, as shown and described.

**DESCRIPTION**

**2.1** is a top, front, and right side perspective view of a heat exchanger showing our new design;

**2.2** is a top, front, and right side perspective view thereof, in which the right panel is removed and not shown;

**2.3** is a right side perspective view thereof;

**2.4** is a front perspective view thereof;

**2.5** is a top perspective view thereof;

**2.6** is an enlarged and partial top, front, and right side perspective view thereof; and

**2.7** is a bottom, front, and right side perspective view thereof.

**4.1** is a top, front, and right side perspective view of a heat exchanger showing our new design in accordance to a second embodiment;

**4.2** is a right side perspective view thereof;

**4.3** is a bottom, front, and right side perspective view thereof;

**4.4** is an enlarged and partial top, front, and right side perspective view thereof;

**4.5** is a top, front, and right side perspective view thereof, in which the right panel is removed and not shown; and

**4.6** is a top perspective view thereof.

**5.1** is a top, front, and right side perspective view of a heat exchanger showing our new design in accordance to a third embodiment;

**5.2** is a right side perspective view thereof;

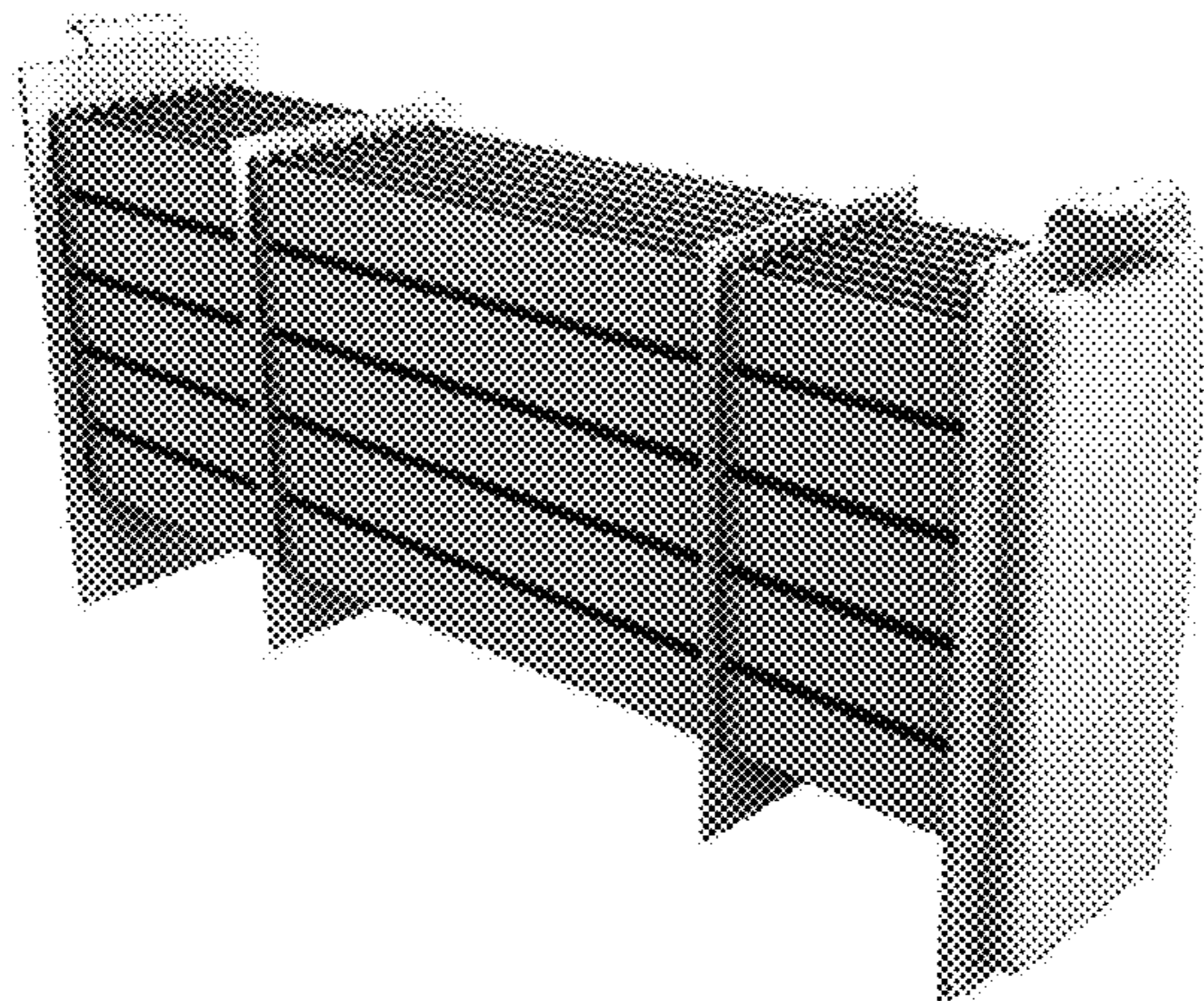
**5.3** is a bottom, front, and right side perspective view thereof;

**5.4** is an enlarged and partial top, front, and right side perspective view thereof;

**5.5** is a top, front, and right side perspective view thereof, in which the right panel is removed and not shown; and

**5.6** is a top perspective view thereof.

**1 Claim, 10 Drawing Sheets**



(30) **Foreign Application Priority Data**

Feb. 8, 2016 (EM) ..... 002976878-0003  
Feb. 8, 2016 (EM) ..... 002976878-0004  
Feb. 8, 2016 (EM) ..... 002976878-0005

(58) **Field of Classification Search**

CPC ..... F24H 3/004; F24H 3/0411; F24H 3/0417;  
F24H 3/00; F28D 1/0333  
See application file for complete search history.

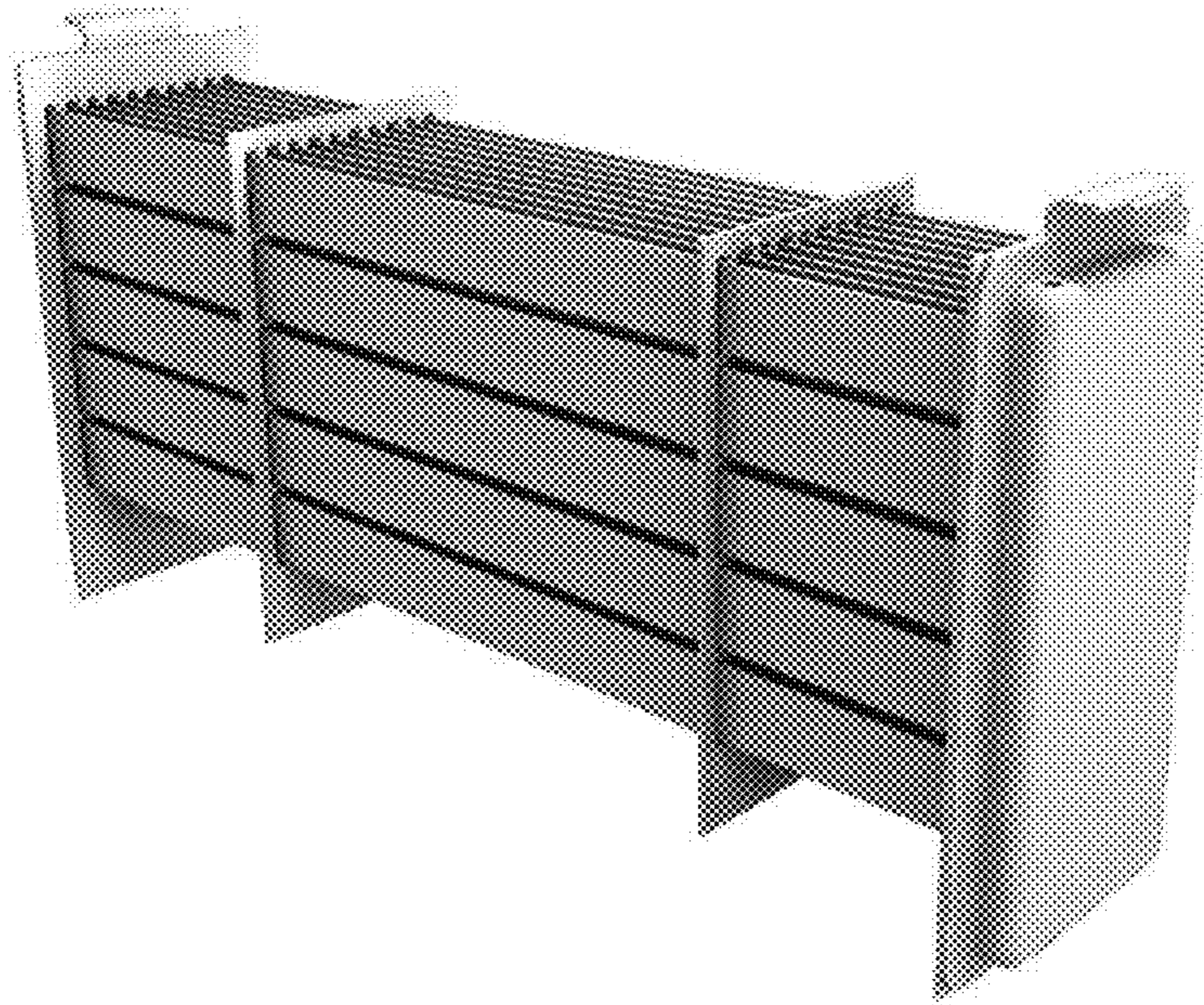
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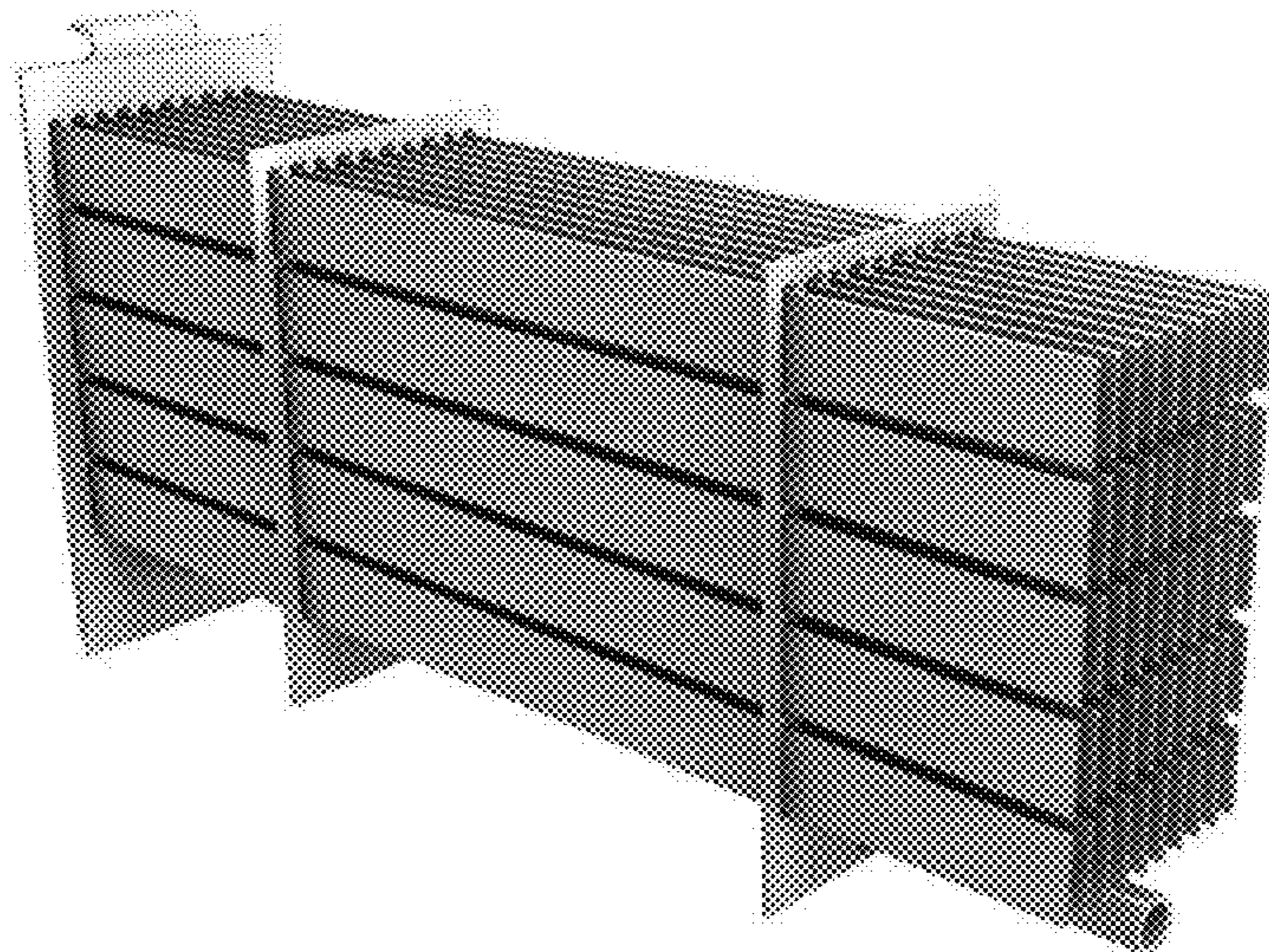
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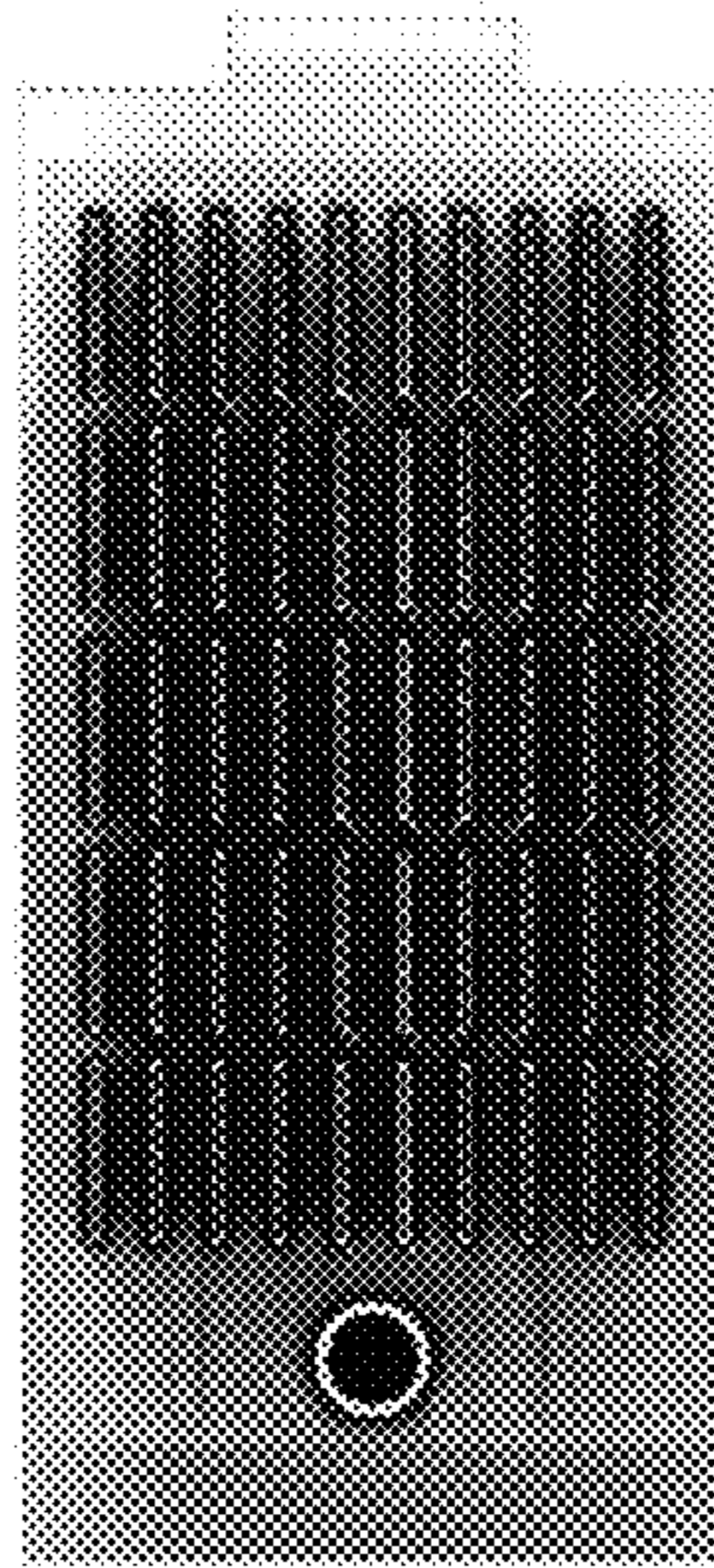
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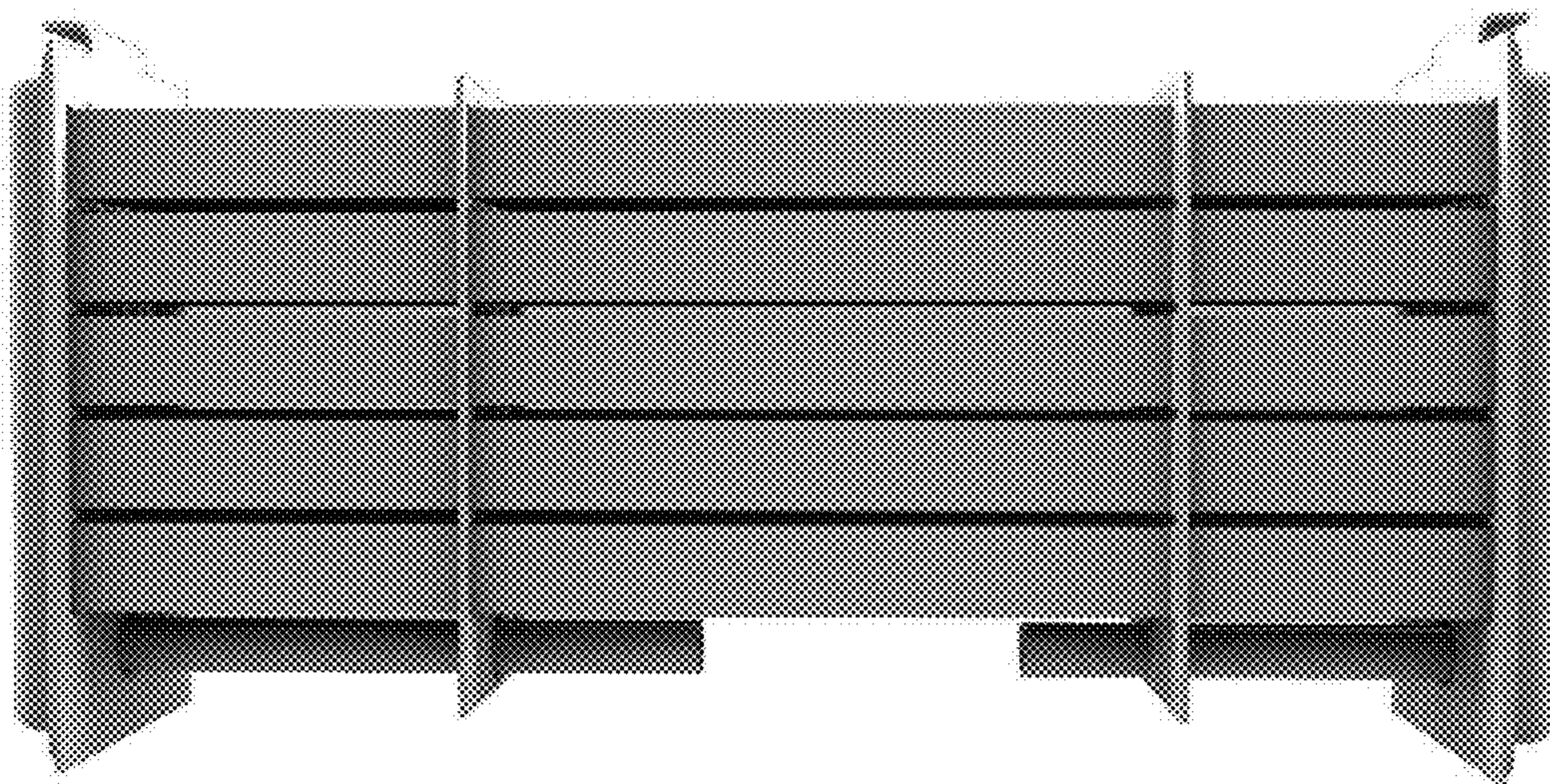
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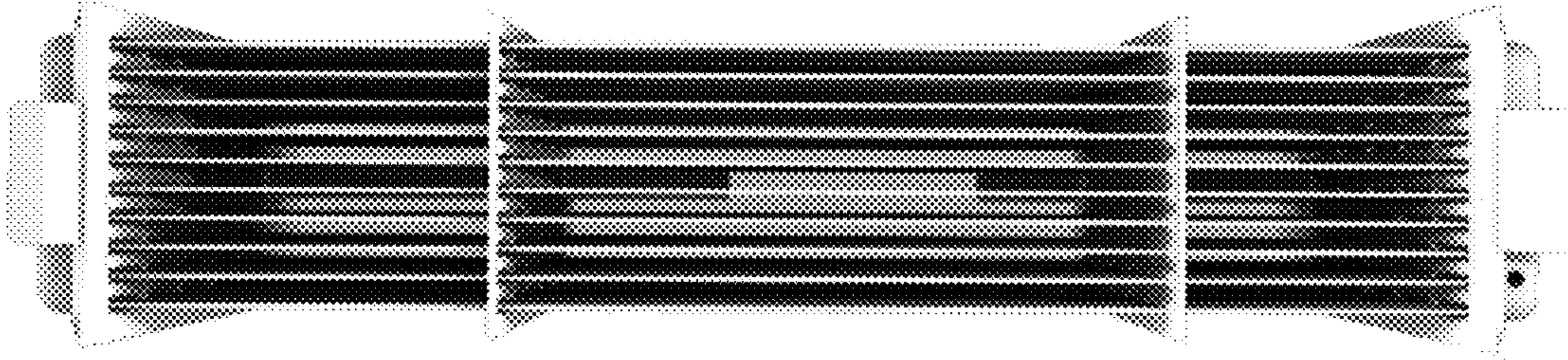
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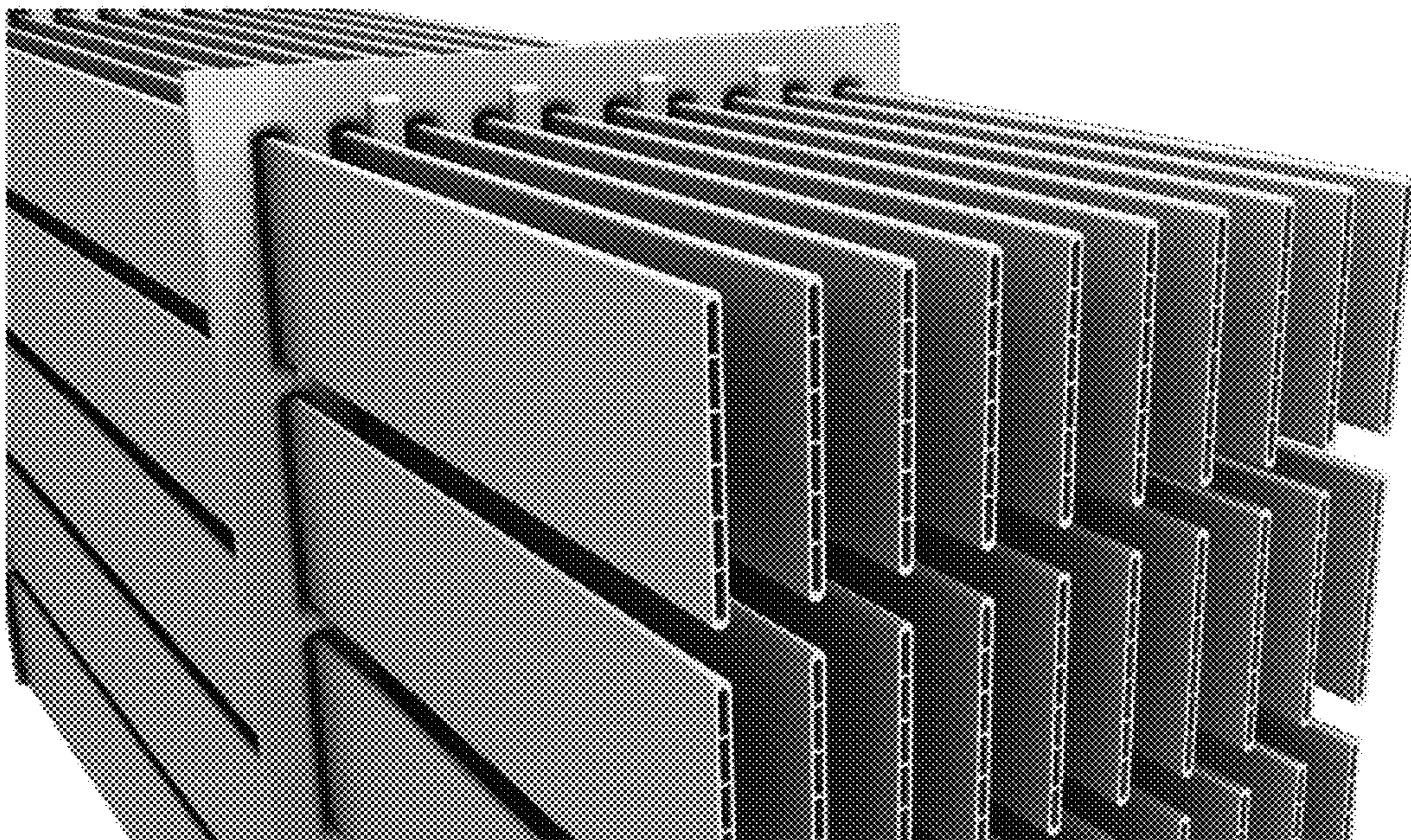
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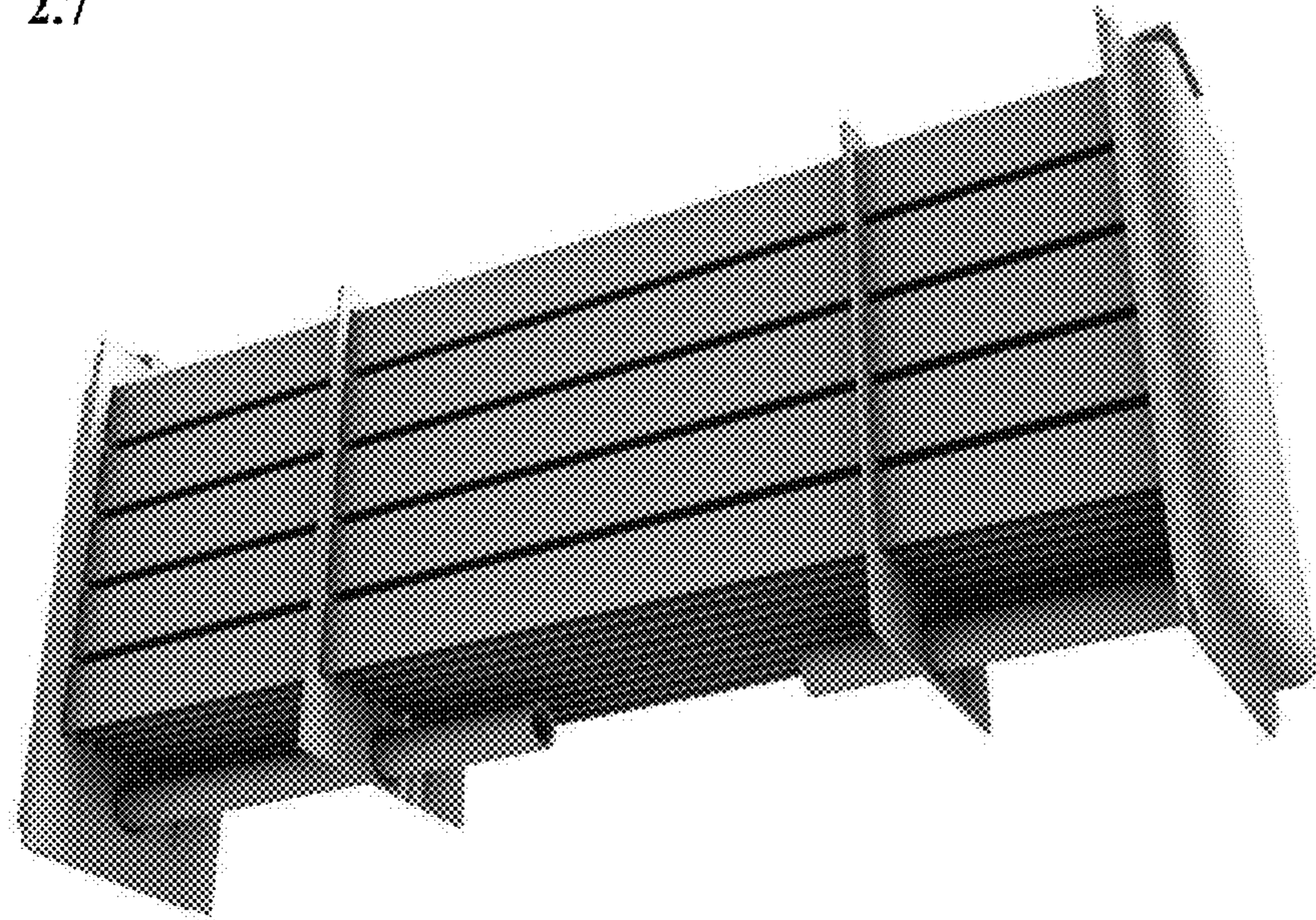
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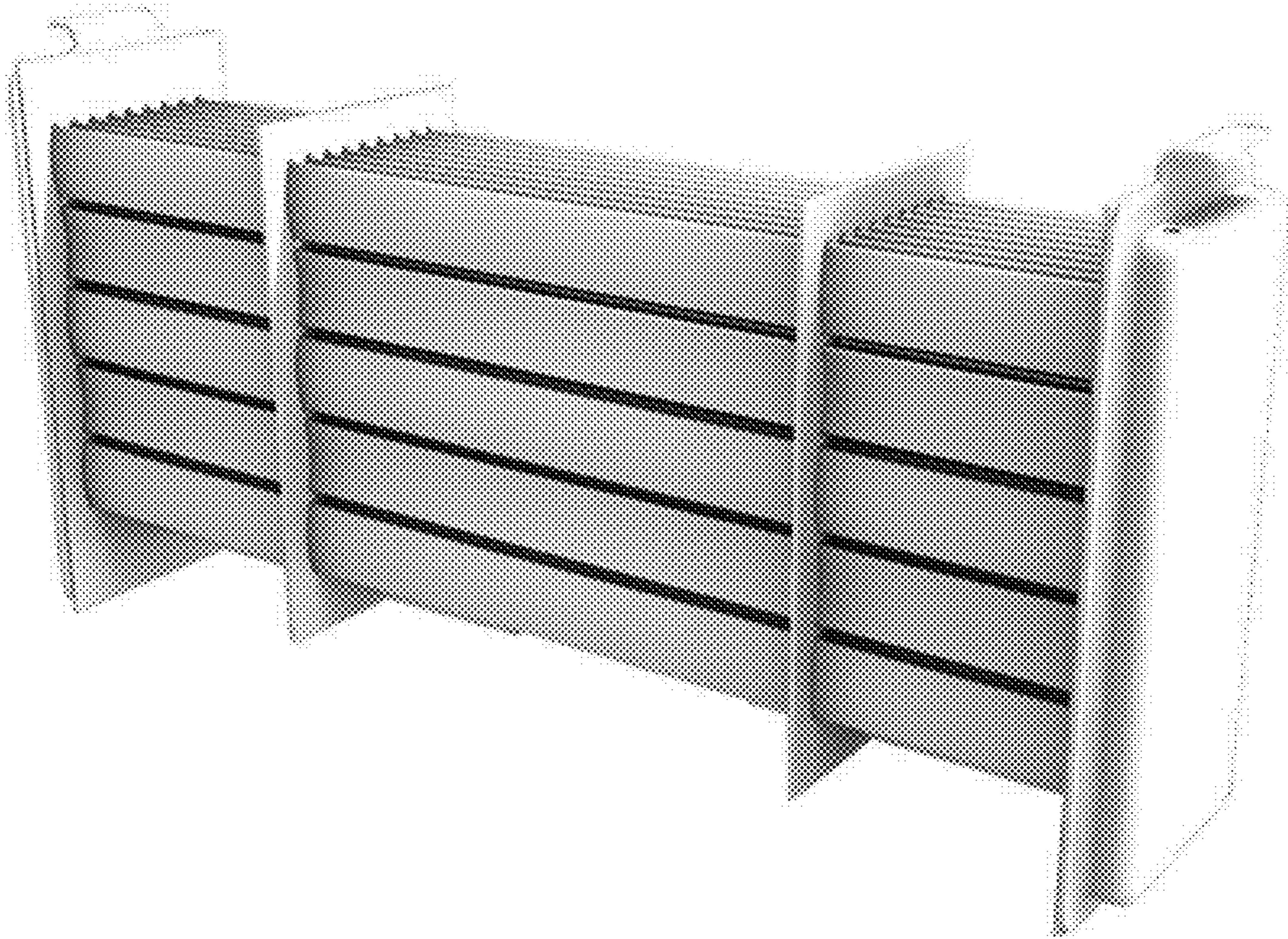
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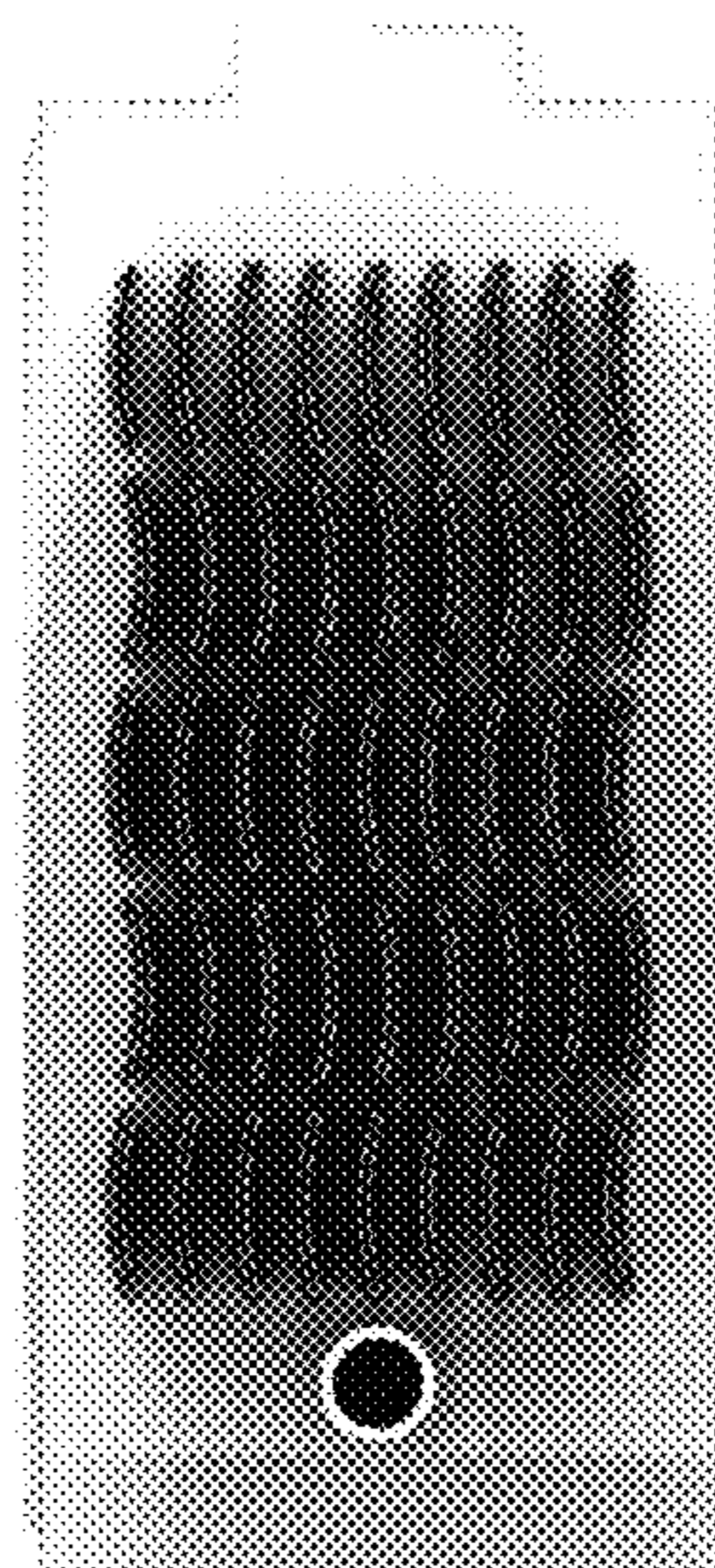
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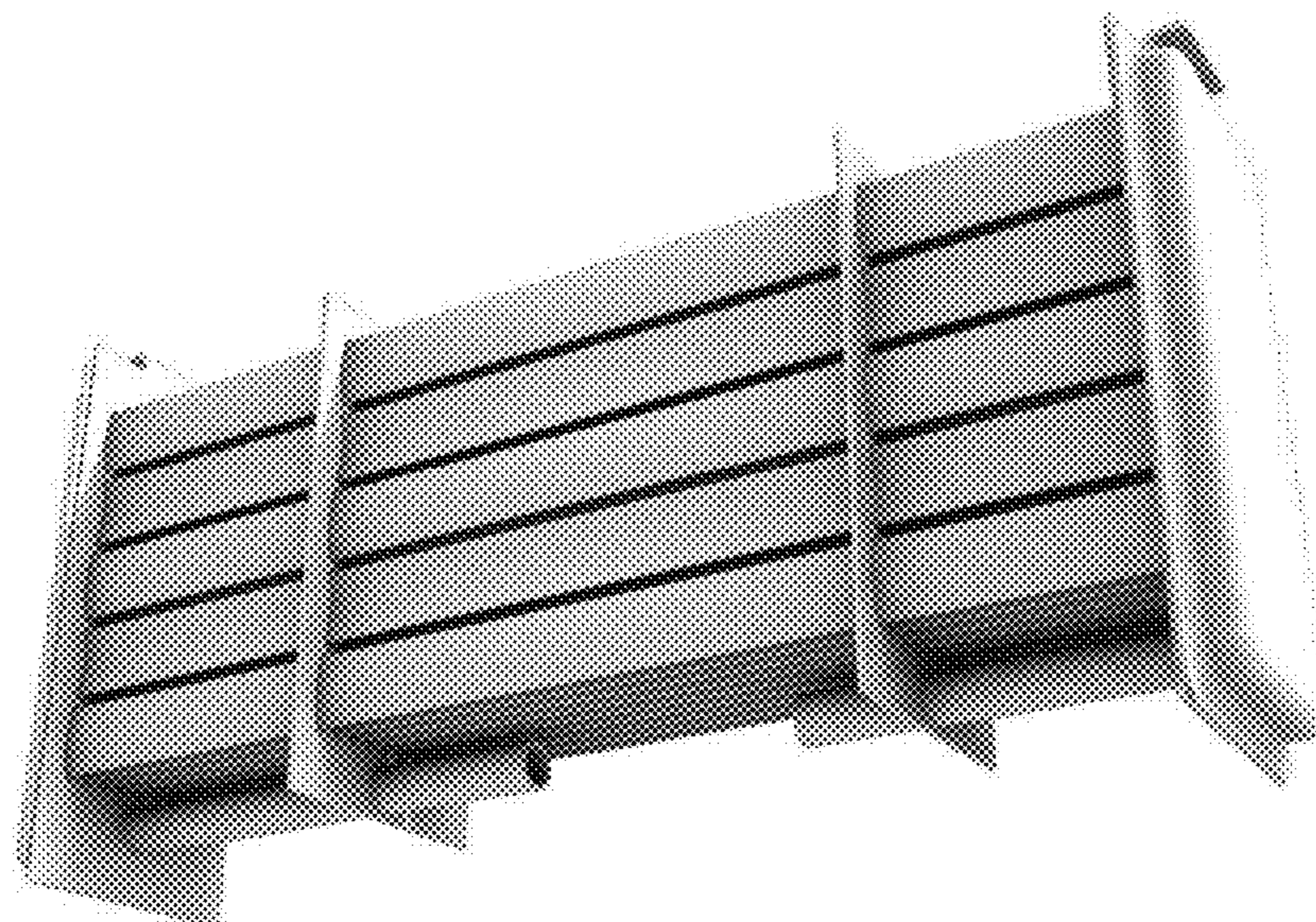
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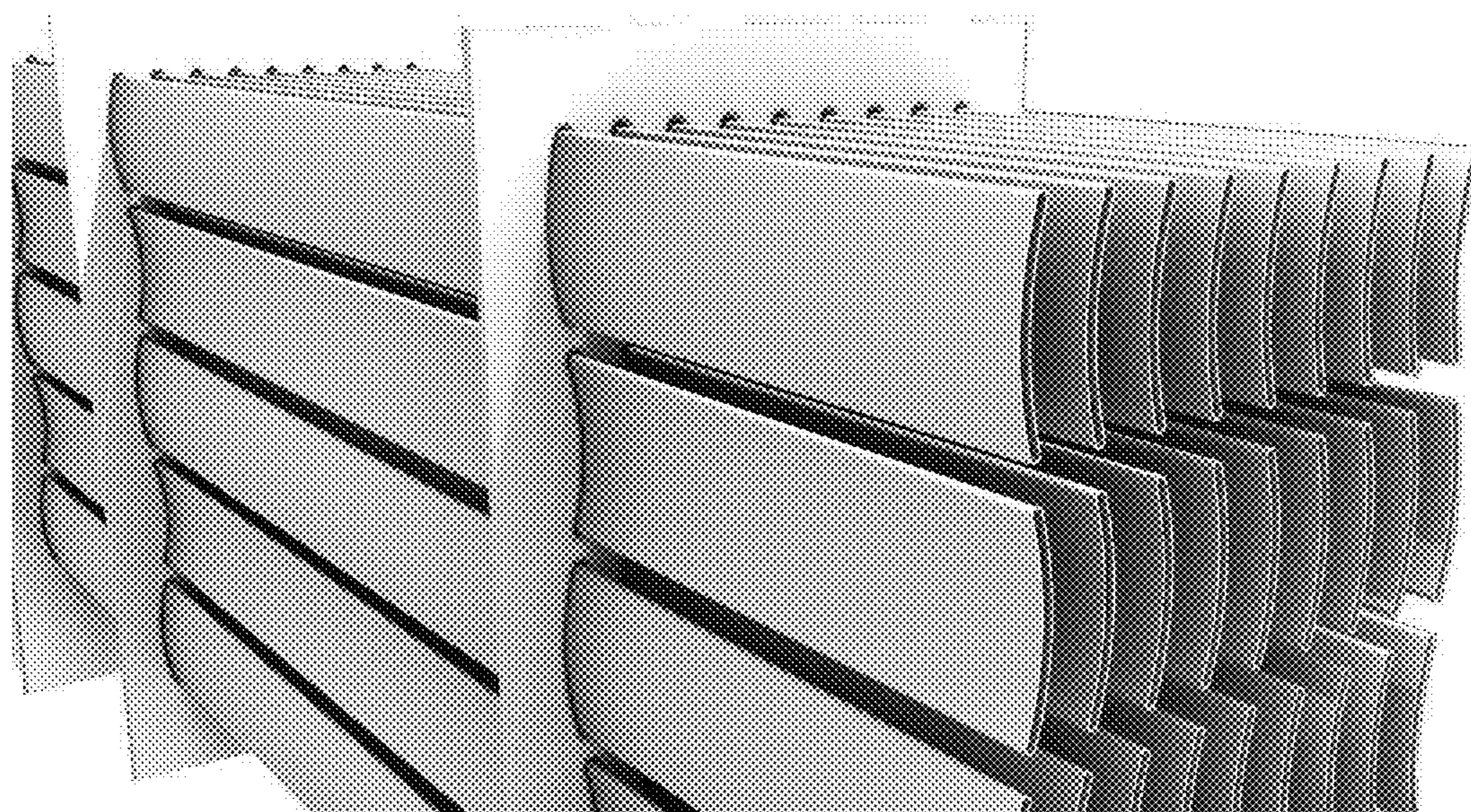
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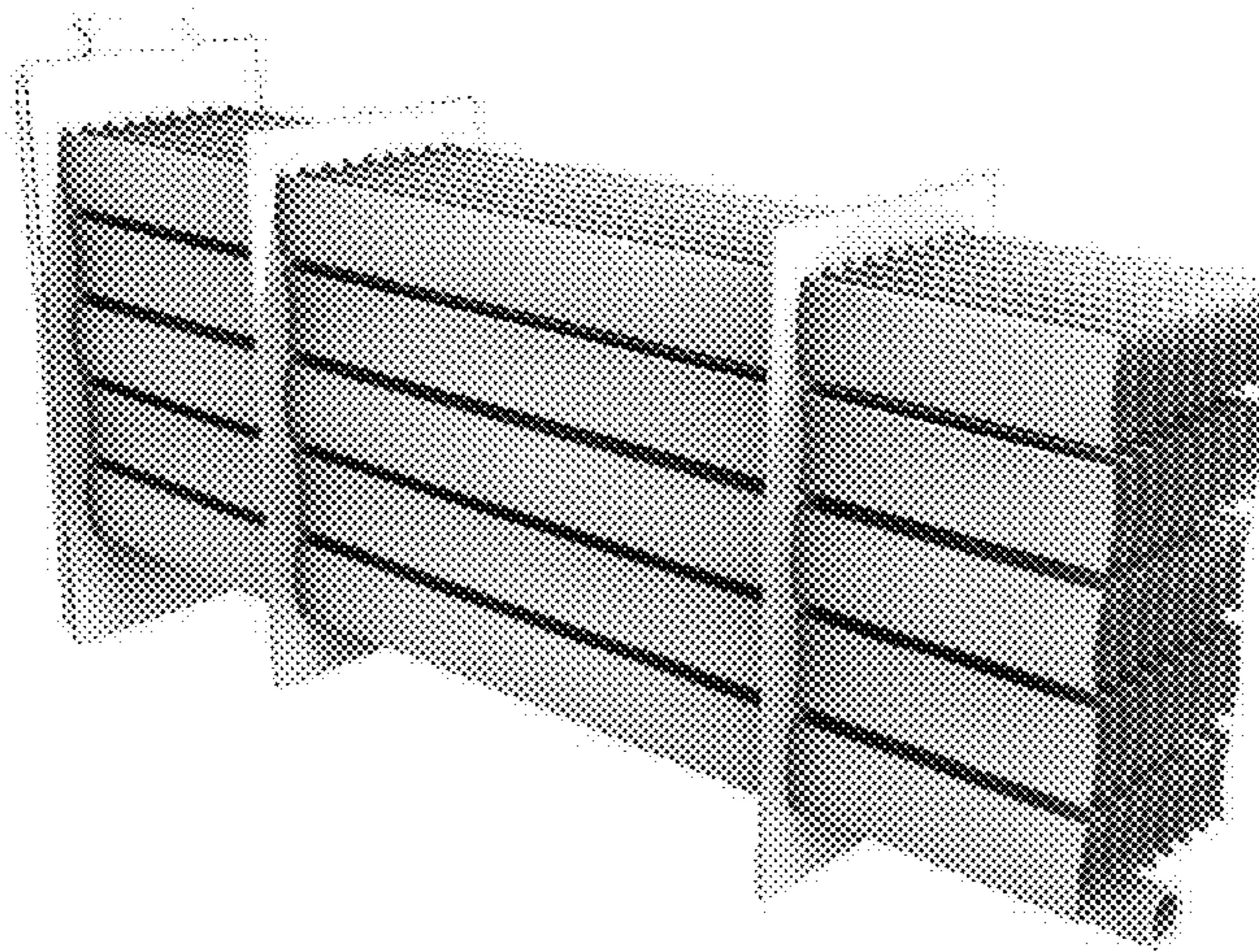


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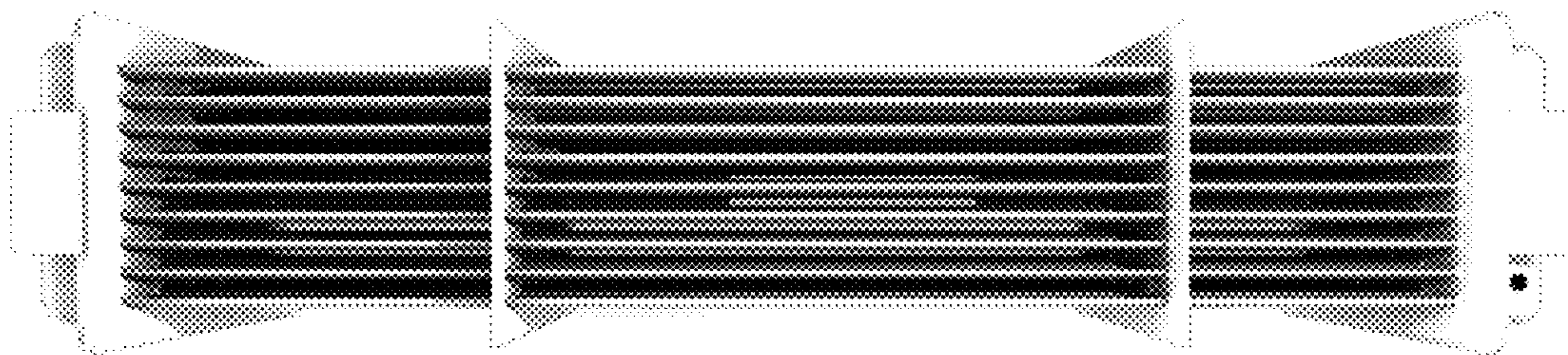




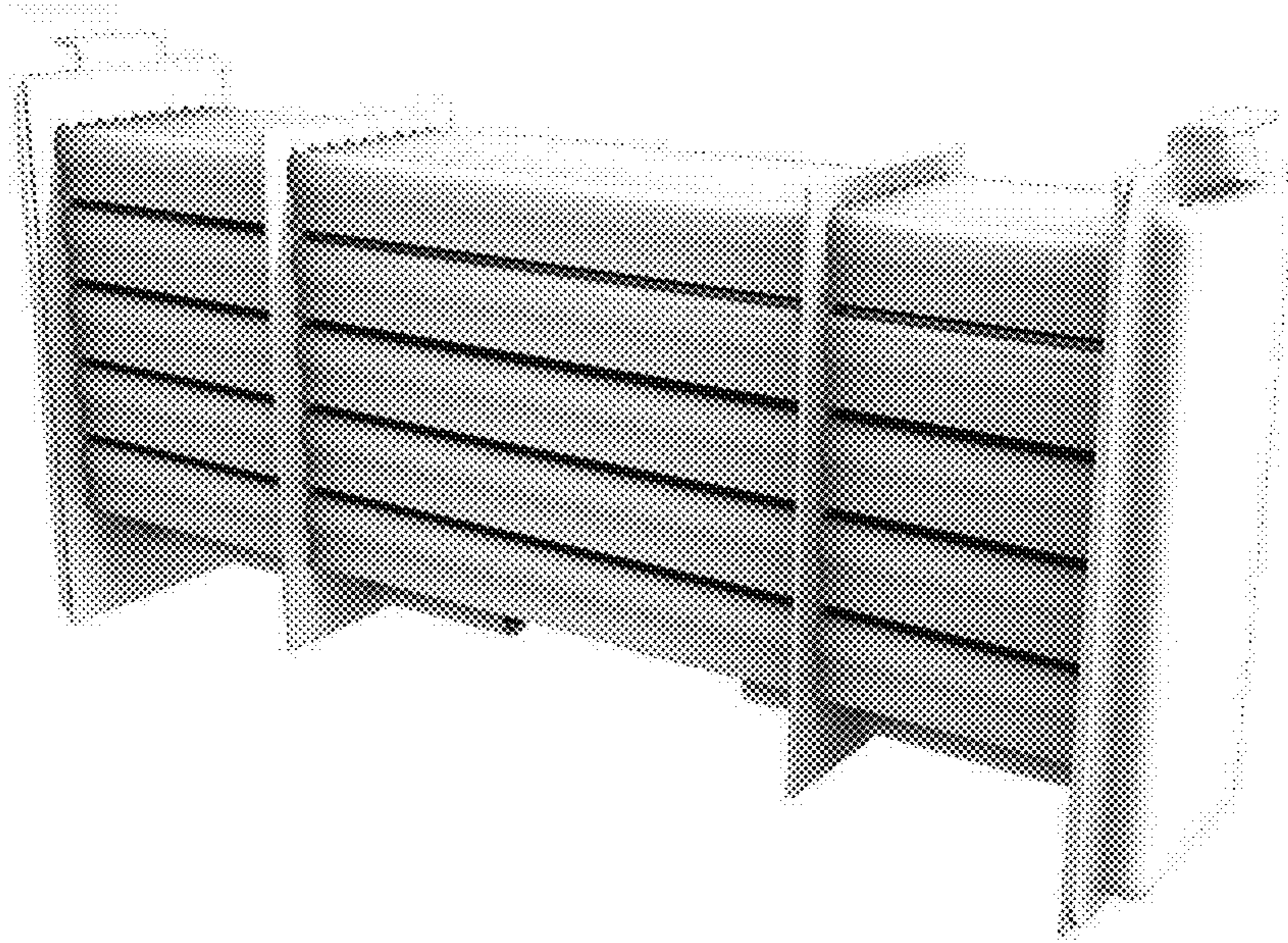
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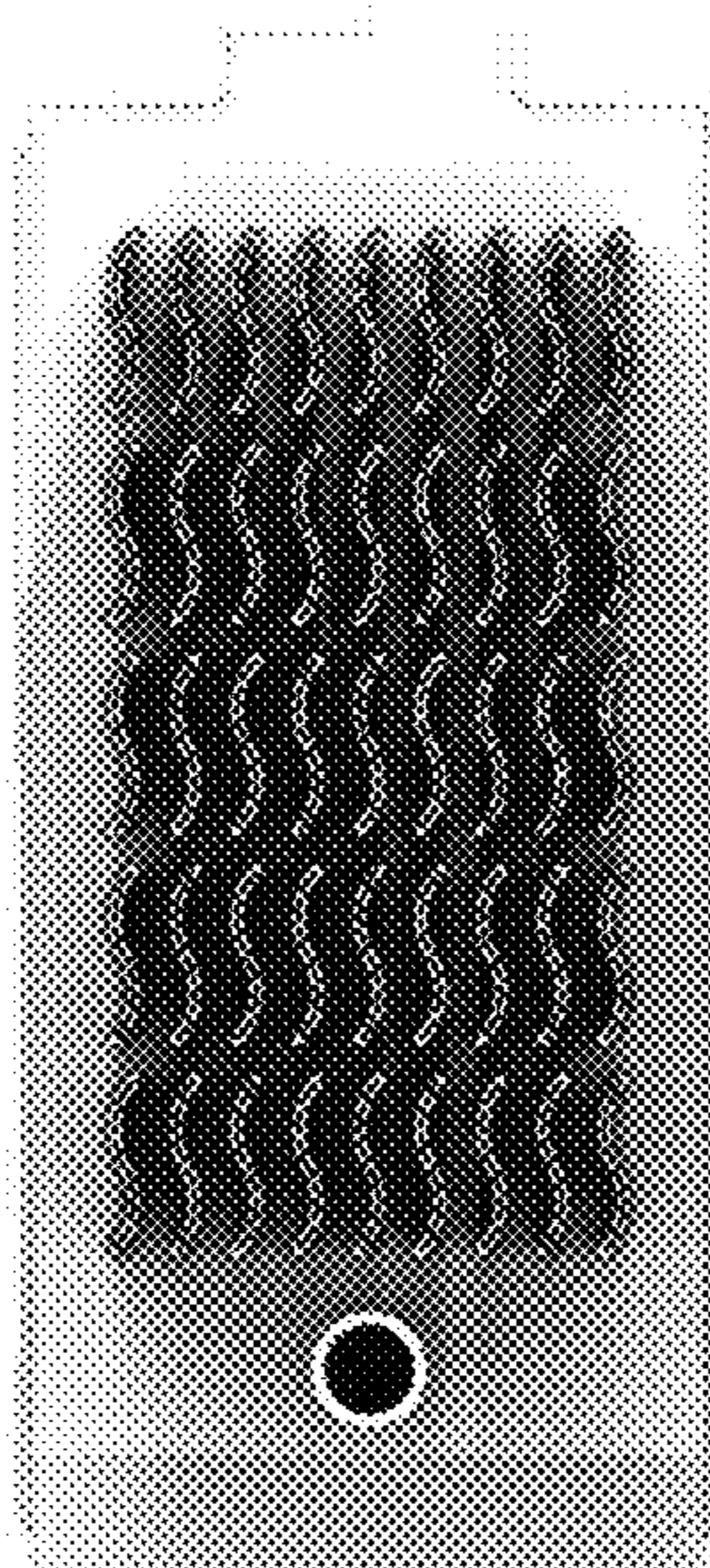
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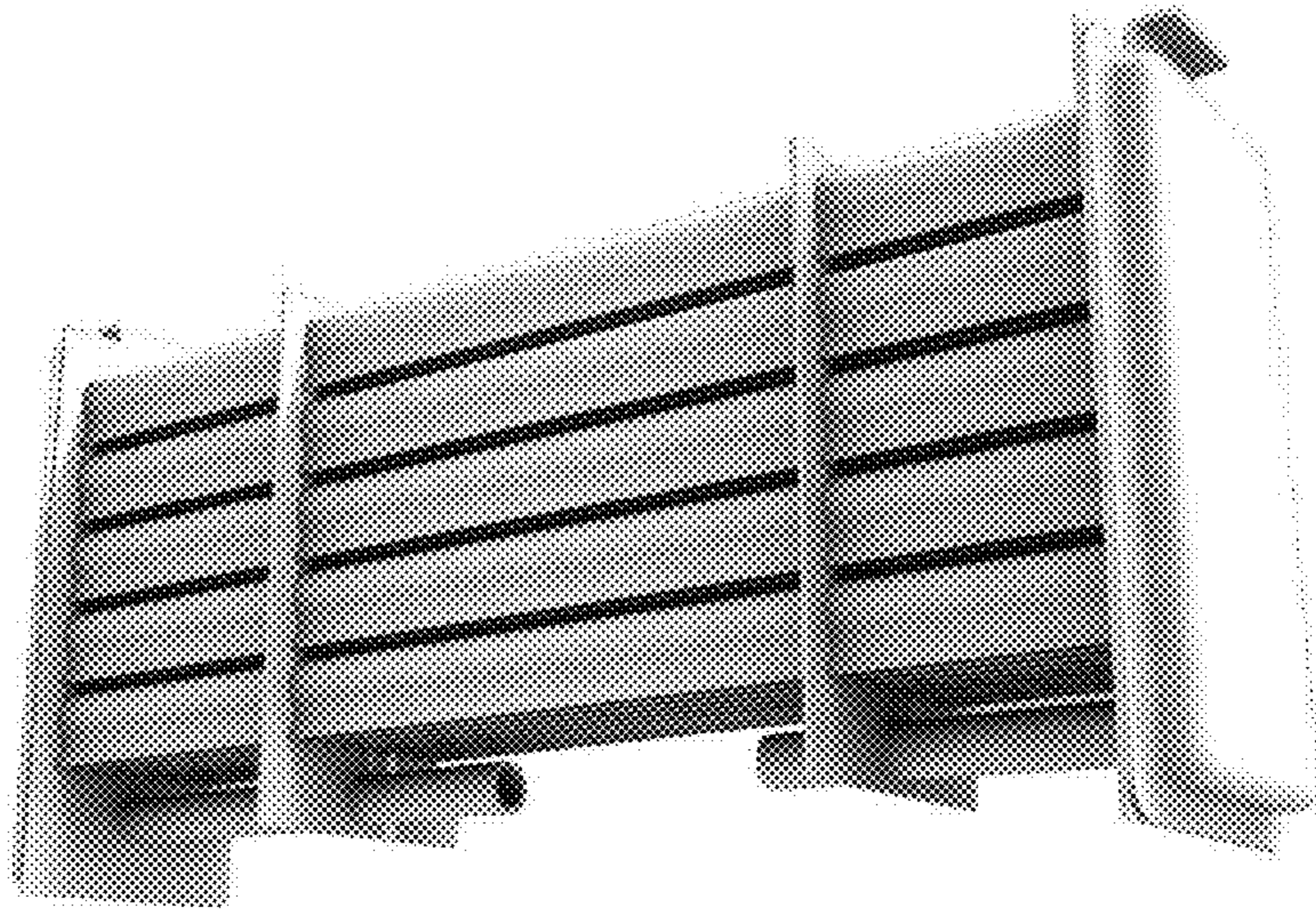
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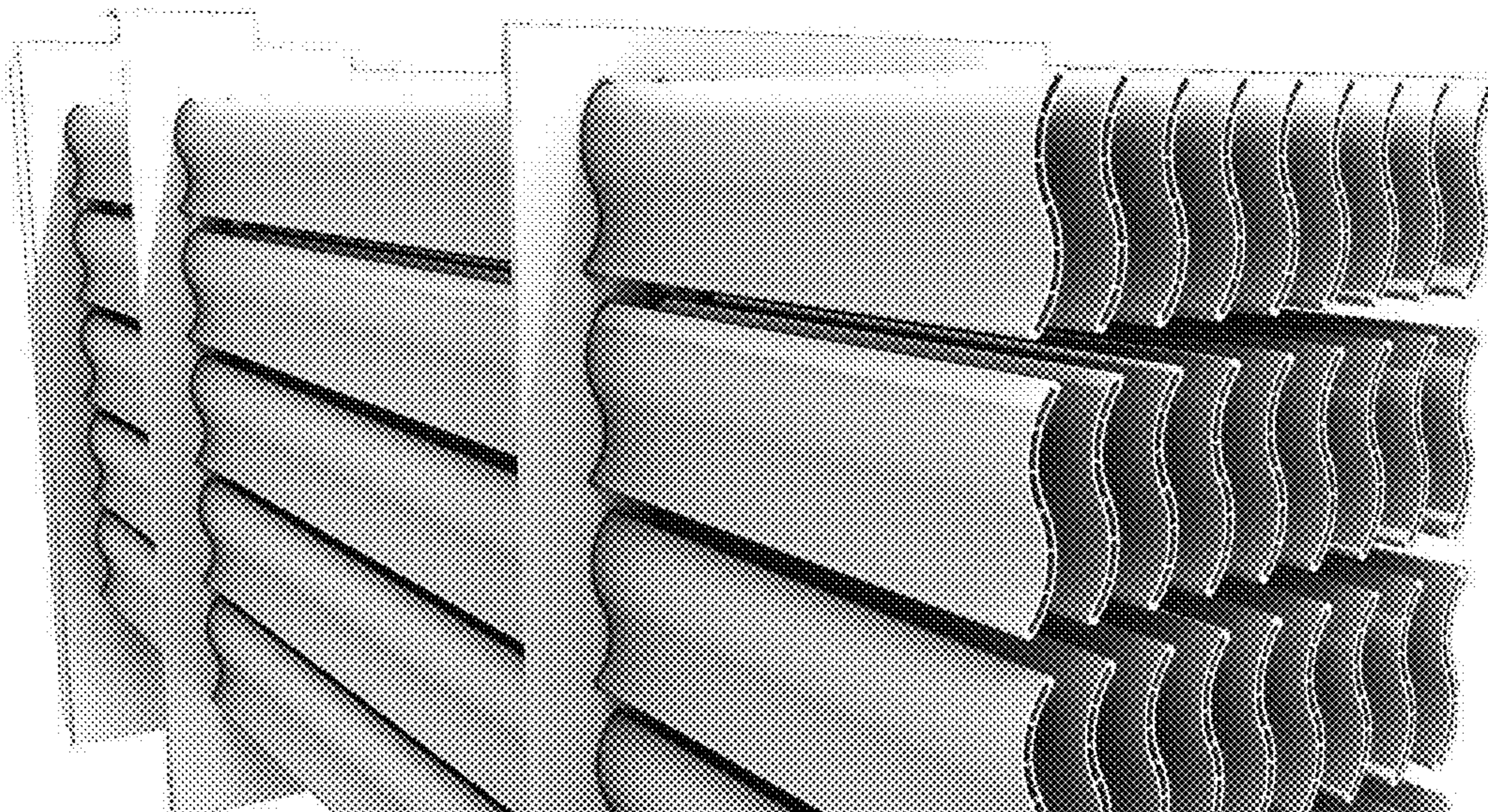
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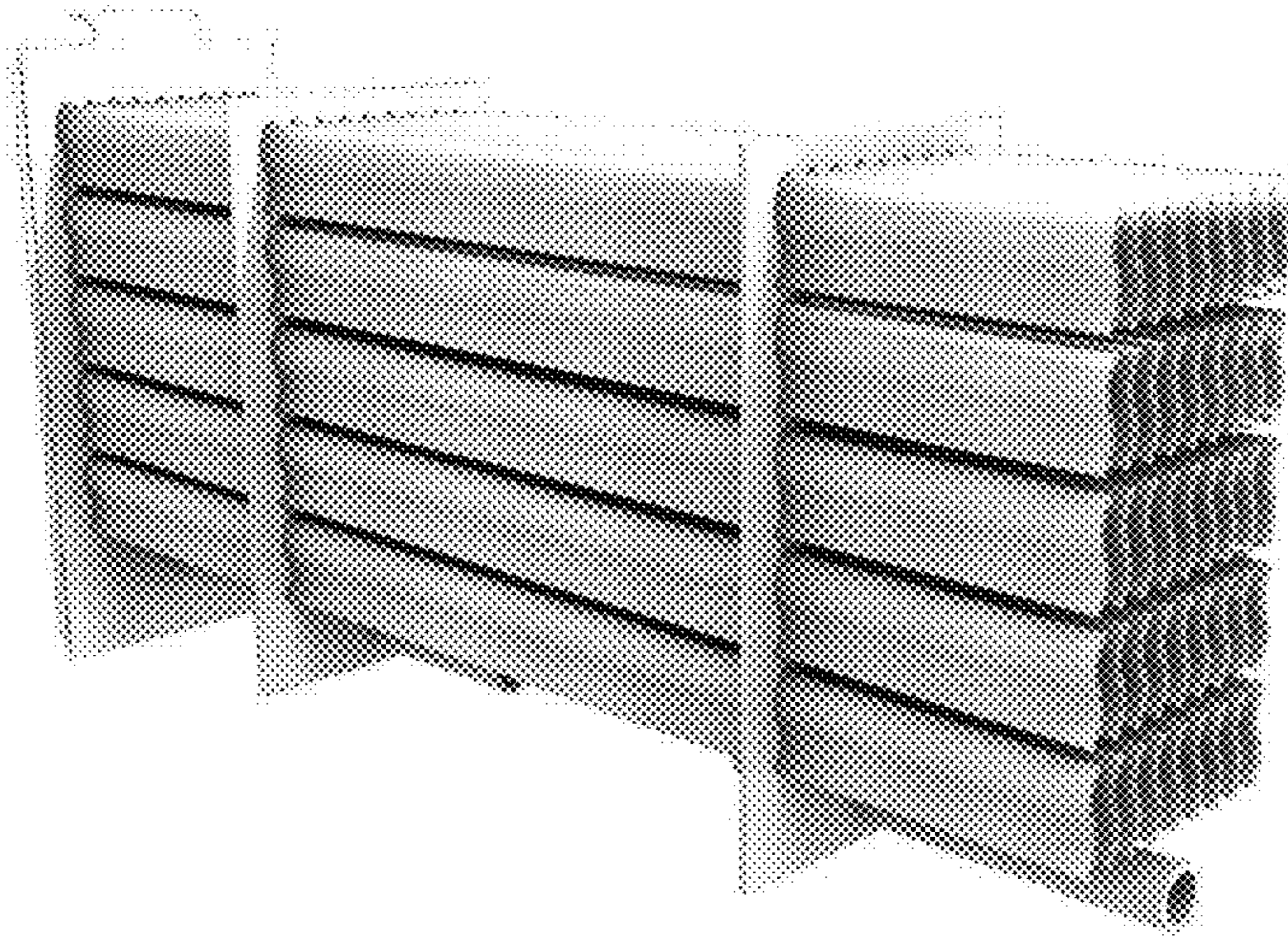
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5.4



5.5



5.6

