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(12) **United States Design Patent** (10) **Patent No.:** **US D959,636 S**  
**Zhao** (45) **Date of Patent:** **\*\* Aug. 2, 2022**

(54) **BLADELESS FAN**  
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(\*\*) Term: **15 Years**

D722,374 S \* 2/2015 Lewis ..... D23/332  
D728,092 S \* 4/2015 Poulton ..... D23/370  
D728,769 S \* 5/2015 Dyson ..... D23/370  
D729,376 S \* 5/2015 McPherson ..... D23/370  
D729,377 S \* 5/2015 Chen ..... D23/378  
D744,630 S \* 12/2015 Ying ..... D23/378  
D768,280 S \* 10/2016 Peet ..... D23/370  
D783,140 S \* 4/2017 Poulton ..... D23/370  
D888,219 S \* 6/2020 Peet ..... D23/370  
D923,166 S \* 6/2021 Zhao ..... D23/370  
D923,767 S \* 6/2021 Oram ..... D23/356  
D930,140 S \* 9/2021 Fu ..... D23/370  
D939,072 S \* 12/2021 Fu ..... D23/370  
2014/0147297 A1 \* 5/2014 Iyer ..... F04D 29/5826  
417/158

(21) Appl. No.: **35/511,157**

(22) Filed: **Oct. 15, 2020**

\* cited by examiner

(80) **Hague Agreement Data**

*Primary Examiner* — Natasha Vujcic

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Int. Reg. No.: **DM/212004**  
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Int. Reg. Pub. Date: **Jan. 15, 2021**

(57) **CLAIM**

The ornamental design for a bladeless fan, as shown and described.

(30) **Foreign Application Priority Data**

**DESCRIPTION**

May 21, 2020 (CN) ..... 202030238818.3

(51) **LOC (13) Cl.** ..... **23-04**

(52) **U.S. Cl.**  
USPC ..... **D23/370**

(58) **Field of Classification Search**  
USPC ..... D23/370–385, 411–414; D13/179  
CPC ..... F04D 25/088; F04D 25/06; F04D 29/38;  
F04D 29/522; F04D 29/5853; F04D  
29/326; F01P 5/02  
See application file for complete search history.

The patent or application file contains at least one drawing executed in color. Copies of this patent or patent application publication with color drawing(s) will be provided by the Office upon request and payment of the necessary fee.

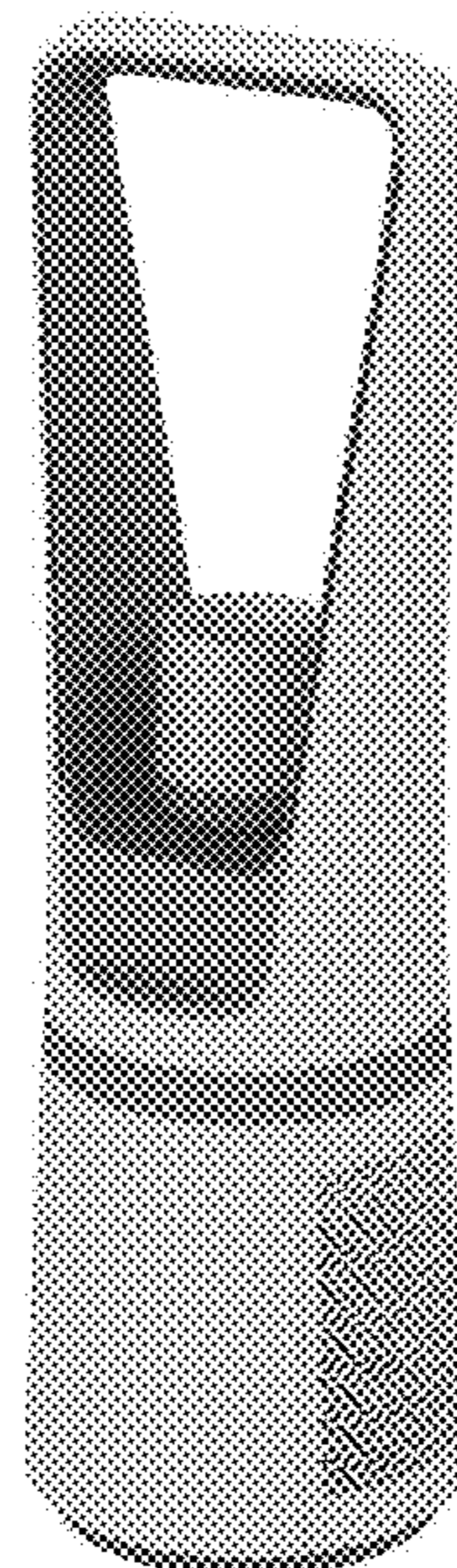
- 1. Bladeless fan
- 1.1 : Front
- 1.2 : Back
- 1.3 : Left
- 1.4 : Right
- 1.5 : Top
- 1.6 : Bottom
- 1.7 : Perspective

(56) **References Cited**

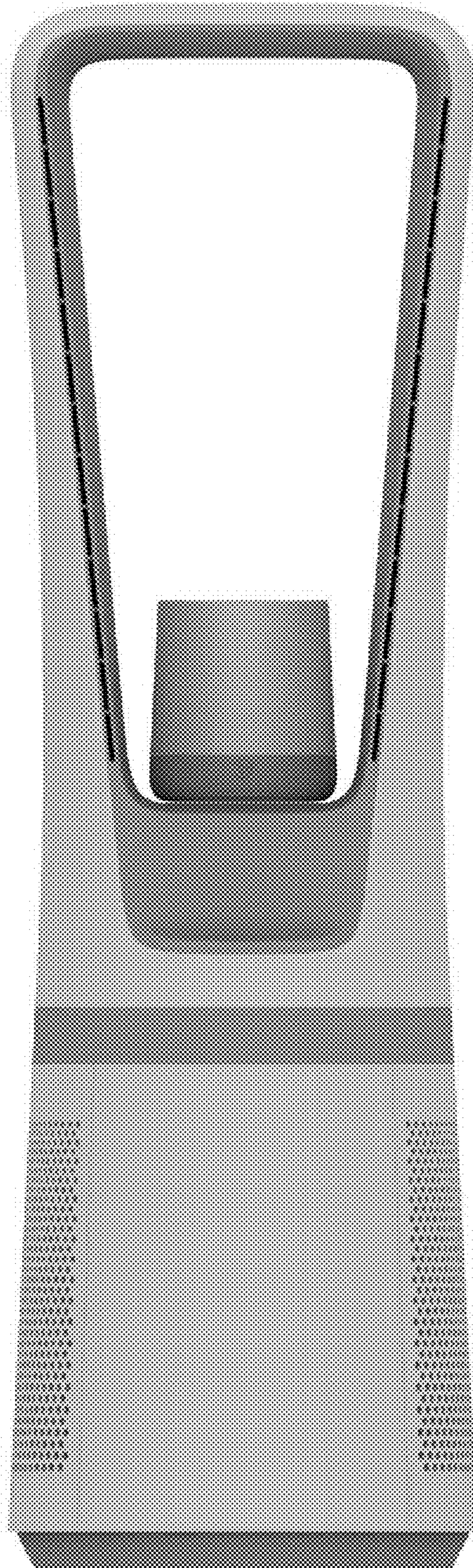
**U.S. PATENT DOCUMENTS**

D638,114 S \* 5/2011 Li ..... D23/370  
D705,415 S \* 5/2014 Lo ..... D23/370

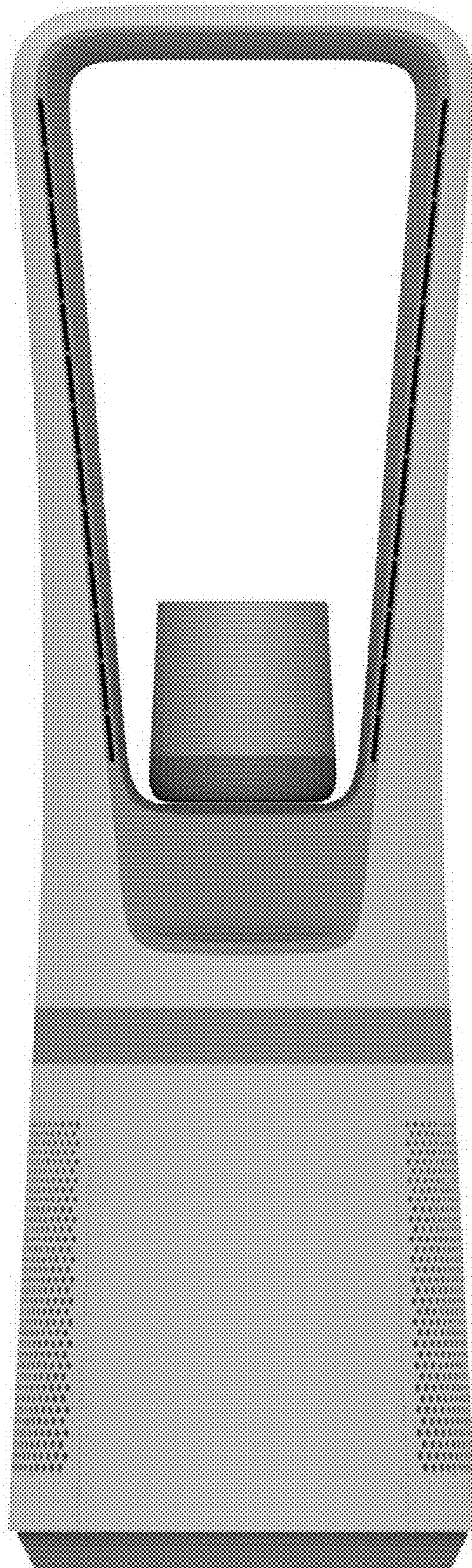
**1 Claim, 7 Drawing Sheets**  
**(7 of 7 Drawing Sheet(s) Filed in Color)**



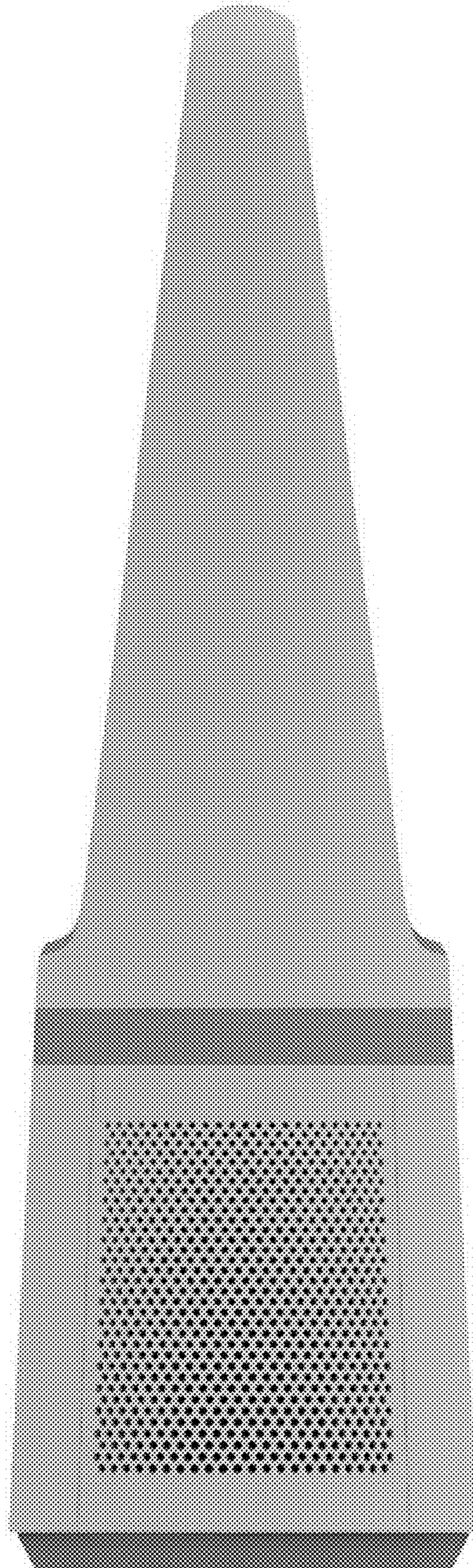
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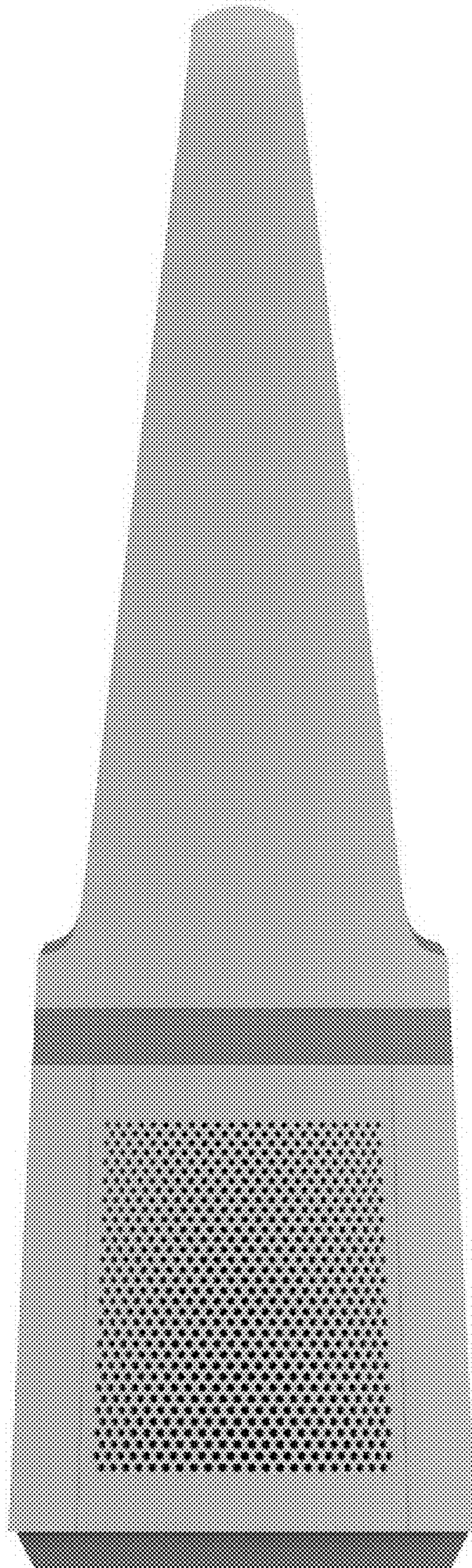
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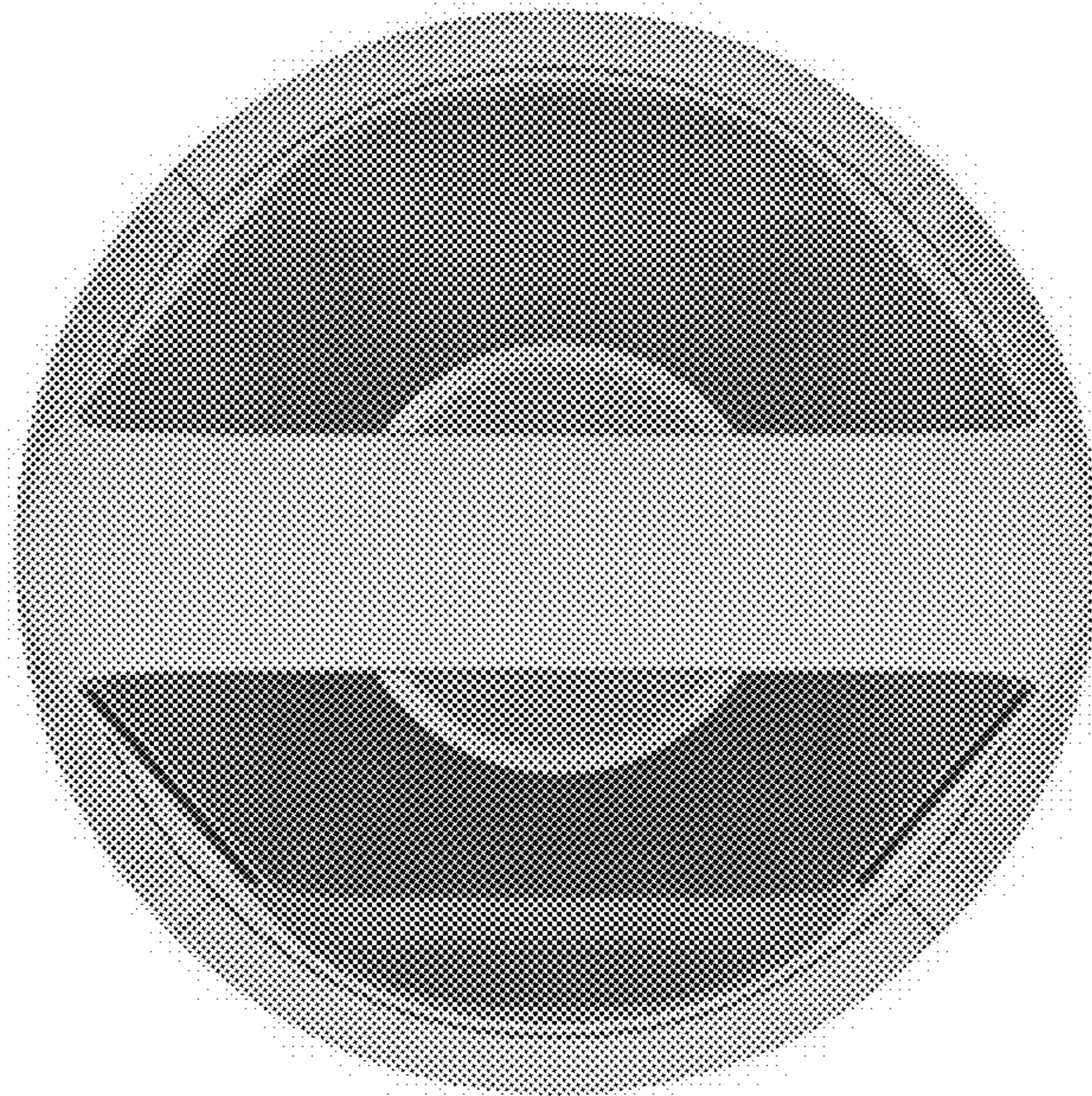
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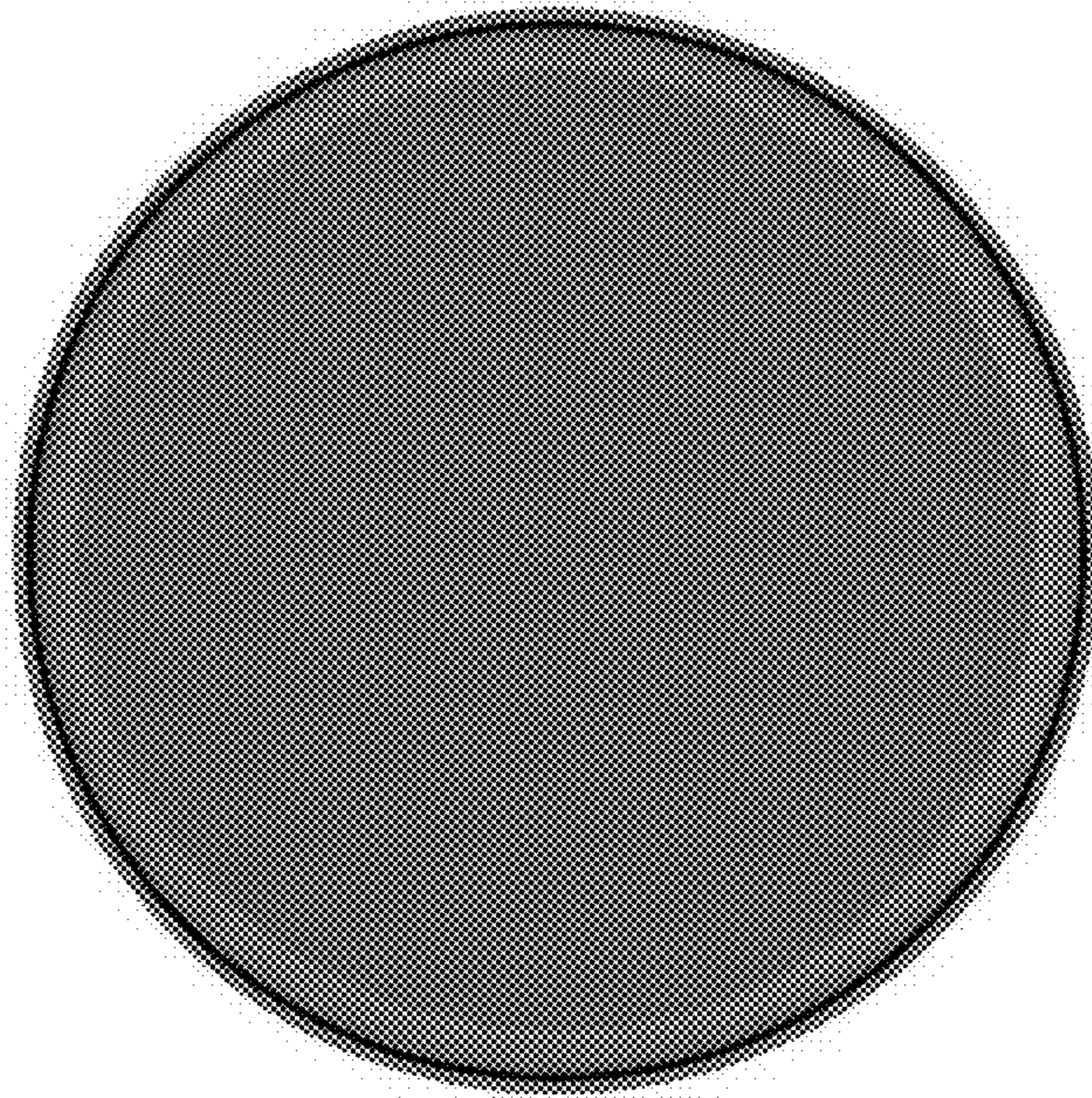
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1.5



1.6



1.7

