



US00D962406S

(12) **United States Design Patent** (10) **Patent No.:** **US D962,406 S**
Choi et al. (45) **Date of Patent:** **** Aug. 30, 2022**

(54) **AIR PURIFIER**
(71) Applicant: **Samsung Electronics Co., Ltd.**,
Suwon-si (KR)
(72) Inventors: **Minkyung Choi**, Suwon-si (KR);
Cheolyeon Jo, Suwon-si (KR);
Kangdoo Kim, Suwon-si (KR)
(73) Assignee: **Samsung Electronics Co., Ltd.**,
Suwon-si (KR)

D510,991 S * 10/2005 Harbutt D23/366
D511,029 S * 10/2005 Willinger D21/713
D697,800 S * 1/2014 Villarreal D9/504
D810,263 S * 2/2018 Lu D23/366
D847,324 S * 4/2019 Zuo D23/366
D886,271 S * 6/2020 Lu D23/359

(Continued)

FOREIGN PATENT DOCUMENTS

CN 2015301548979 11/2015
CN 2015303627015 3/2016

(Continued)

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

(21) Appl. No.: **29/750,728**

(22) Filed: **Sep. 16, 2020**

(30) **Foreign Application Priority Data**

Mar. 26, 2020 (KR) 30-2020-0013564

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

(52) **U.S. Cl.**
USPC **D23/364**

(58) **Field of Classification Search**
USPC D23/332, 336, 356, 359, 364-366, 378,
D23/499; D14/204, 214, 240, 314, 496;
D16/203-216
CPC F24F 1/029; F24F 1/035; F24F 1/0287;
F24F 6/06; F24F 6/14; F24F 13/06; F24F
13/20; F24F 13/222; F24F 3/16; F24F
3/1405; A61L 9/03
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D221,657 S * 8/1971 Katzman et al. D23/362
D334,975 S * 4/1993 Bunce D23/366
D367,504 S * 2/1996 Barzani D21/498
D400,620 S * 11/1998 Barton, Jr. D21/713
D418,880 S * 1/2000 Albarelli, Jr. D21/443

OTHER PUBLICATIONS

CANOPUS Hand Operated Mini Drone, first available Jul. 10, 2020[online], [site visited Apr. 21, 2022]. Available from internet, URL:<<https://www.amazon.com/CANOPUS-Operated-Induction-Levitation-Rotating/dp/B08C266DZR?th=1>> (Year: 2020).*

(Continued)

Primary Examiner — Barbara Fox
Assistant Examiner — Jamaal Rasheed
(74) *Attorney, Agent, or Firm* — NSIP Law

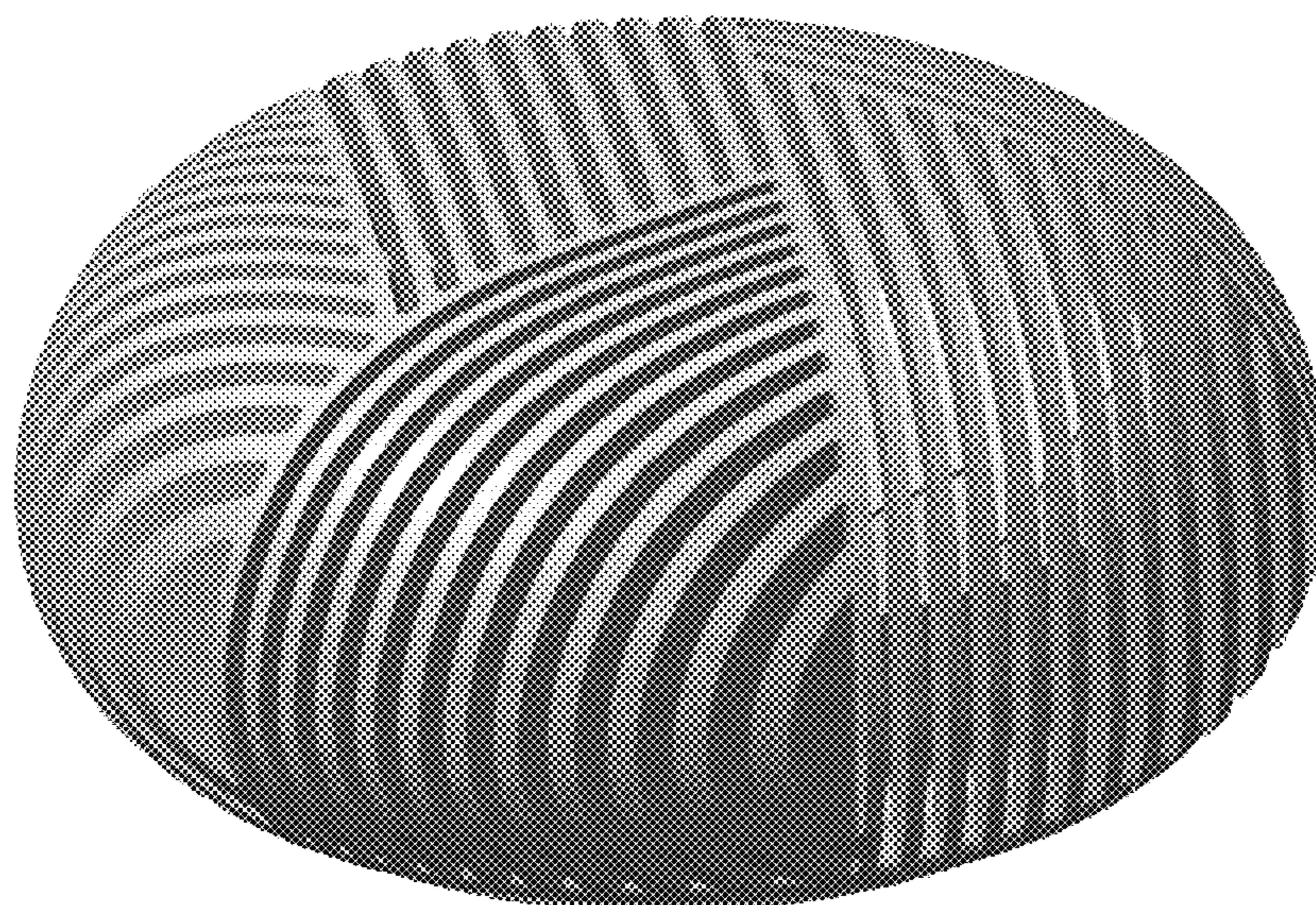
(57) **CLAIM**

We claim the ornamental design for an air purifier, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of an air purifier showing our new design;
FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a left-side view thereof;
FIG. 5 is a right-side view thereof;
FIG. 6 is a top view thereof;
FIG. 7 is a bottom view thereof; and,
FIG. 8 is a rear perspective view thereof.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D917,686 S * 4/2021 Lee D23/366
2005/0120972 A1* 6/2005 Aboujaoude A01K 15/025
119/707

FOREIGN PATENT DOCUMENTS

CN	2017300424569		7/2017
CN	304537359	*	3/2018
CN	2018300378620		6/2018
CN	304987537	*	1/2019
KR	30-2018-0048230		5/2019

OTHER PUBLICATIONS

Kreafunk. "aGo Bluetooth Speaker—Cool Grey" [2020] www.amara.com Sep. 16, 2020 <<https://www.amara.com/products/ago-bluetooth-speaker-cool-grey>>.

"Huawei CM51 SoundStone Portable Bluetooth Speaker" [2020] www.shop.huawei.com Sep. 16, 2020 <<https://shop.huawei.com/my/product/18060360110623.html>>.

* cited by examiner

FIG. 1

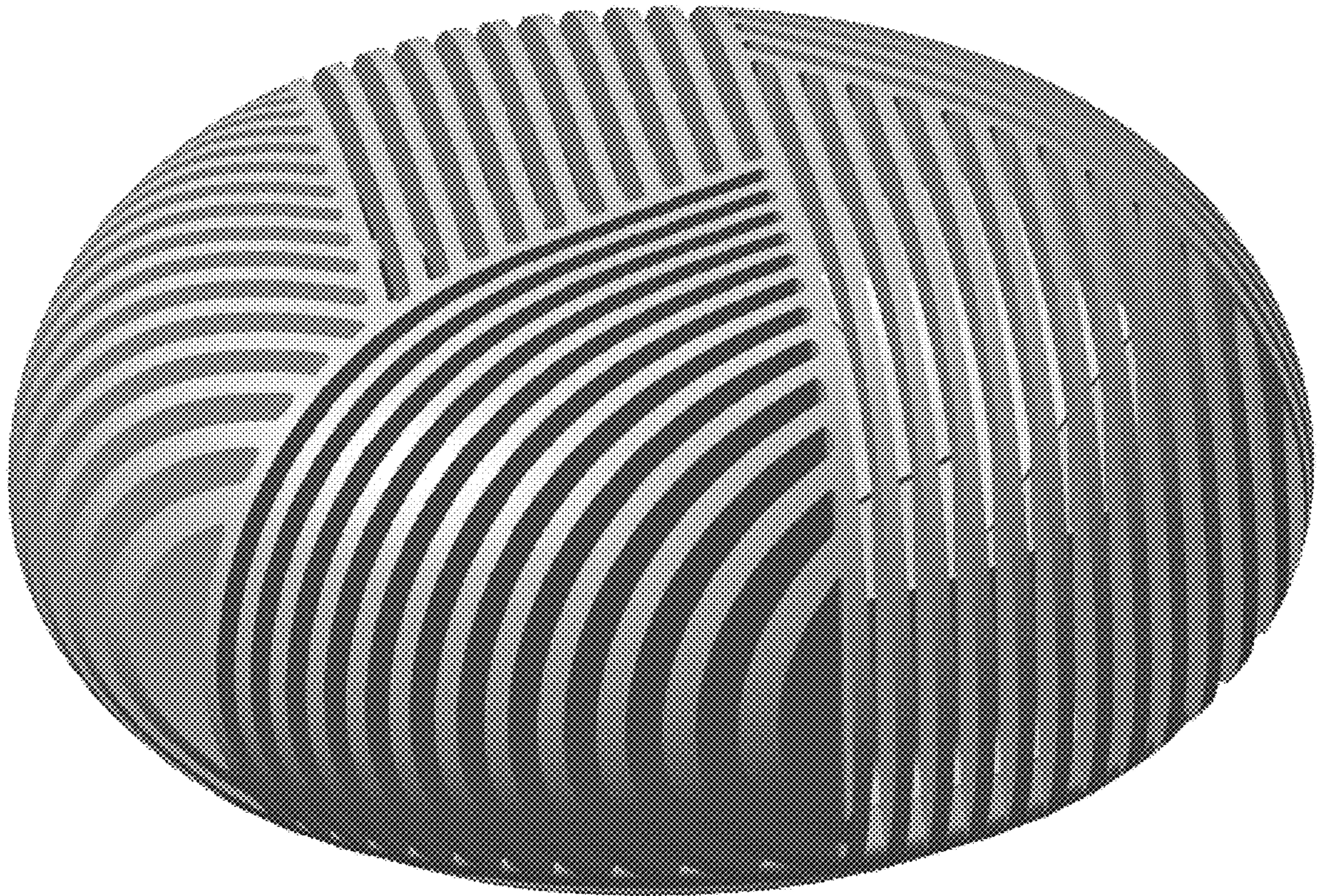


FIG. 2

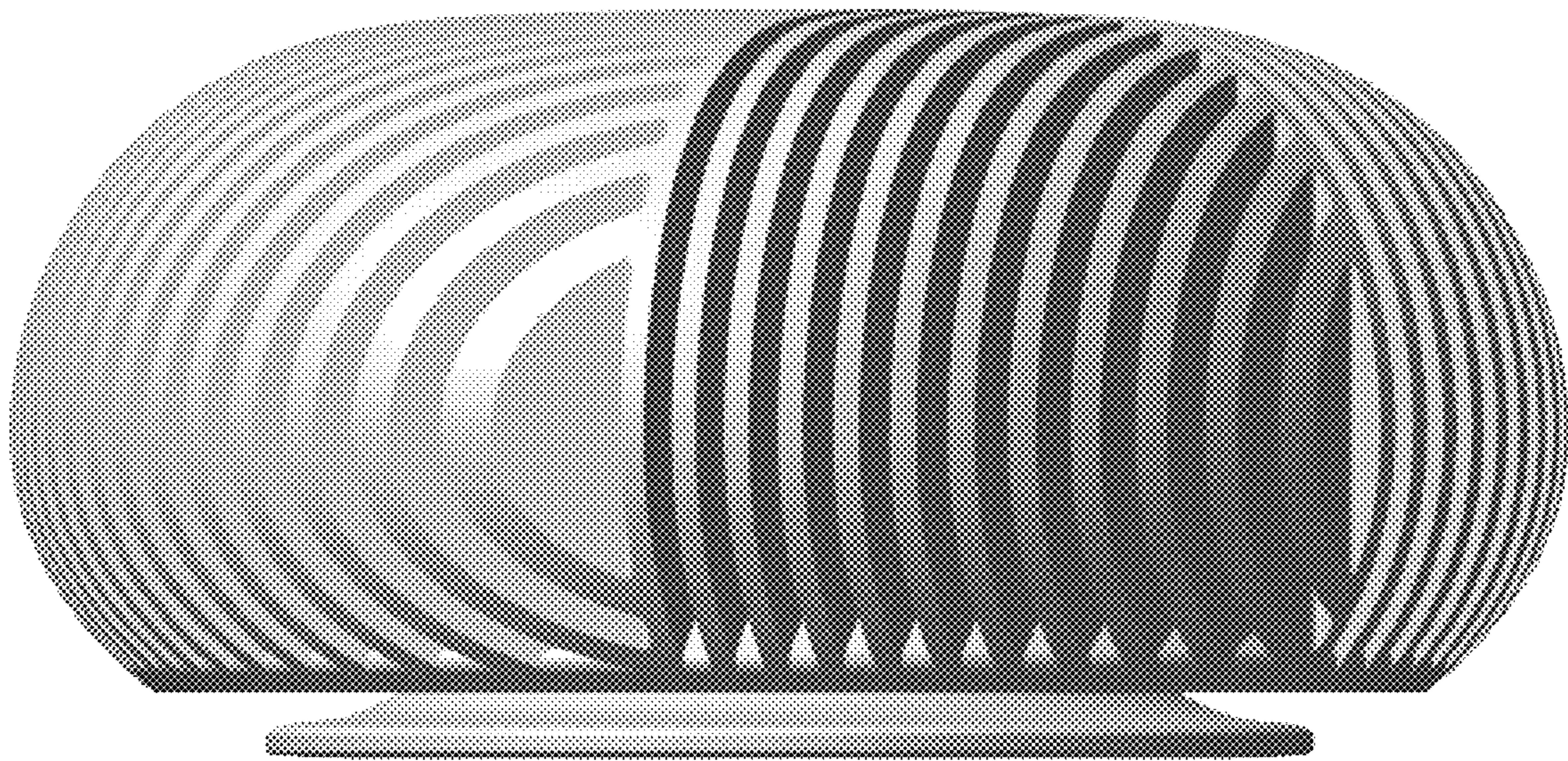


FIG. 3

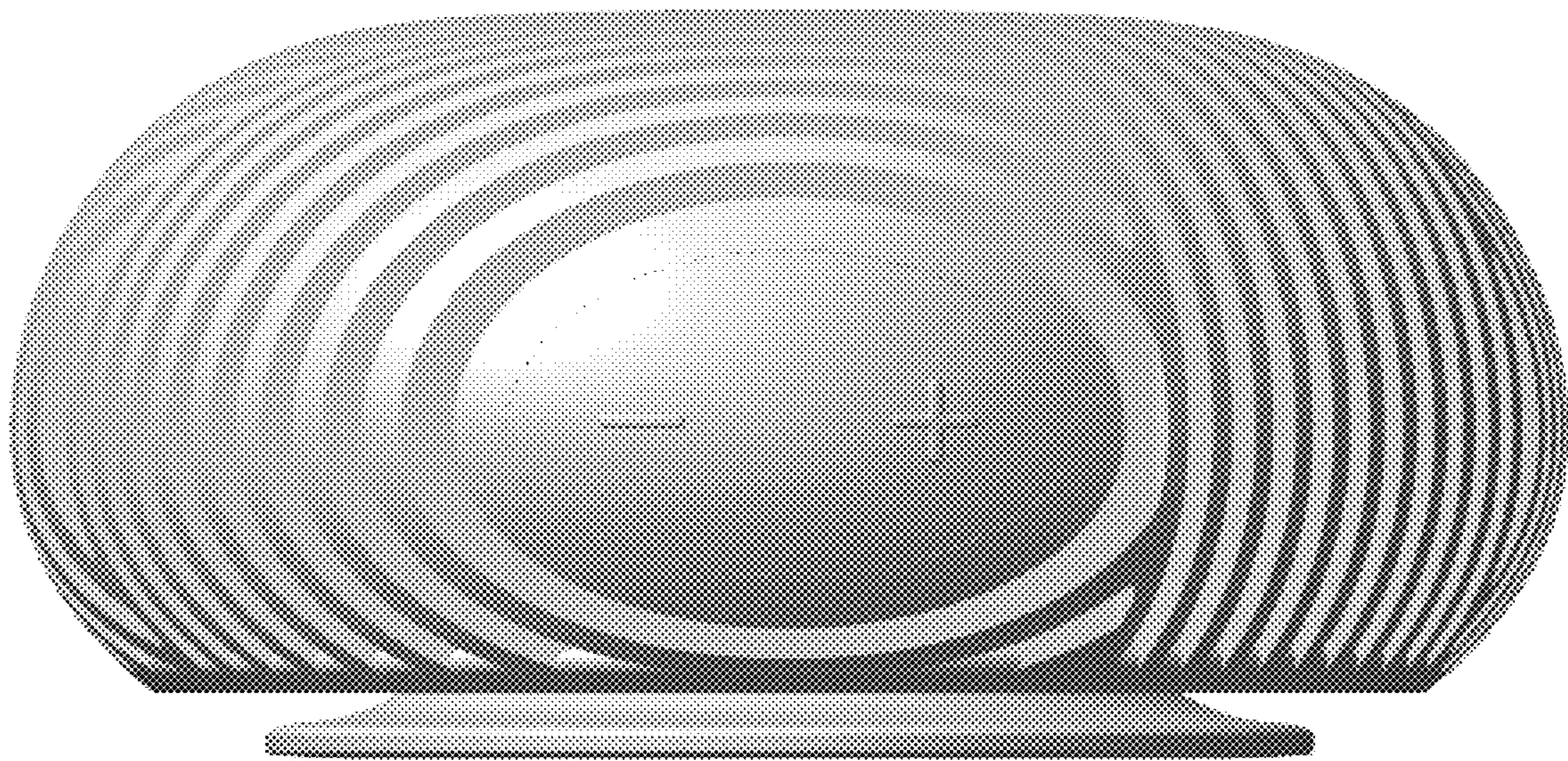


FIG. 4

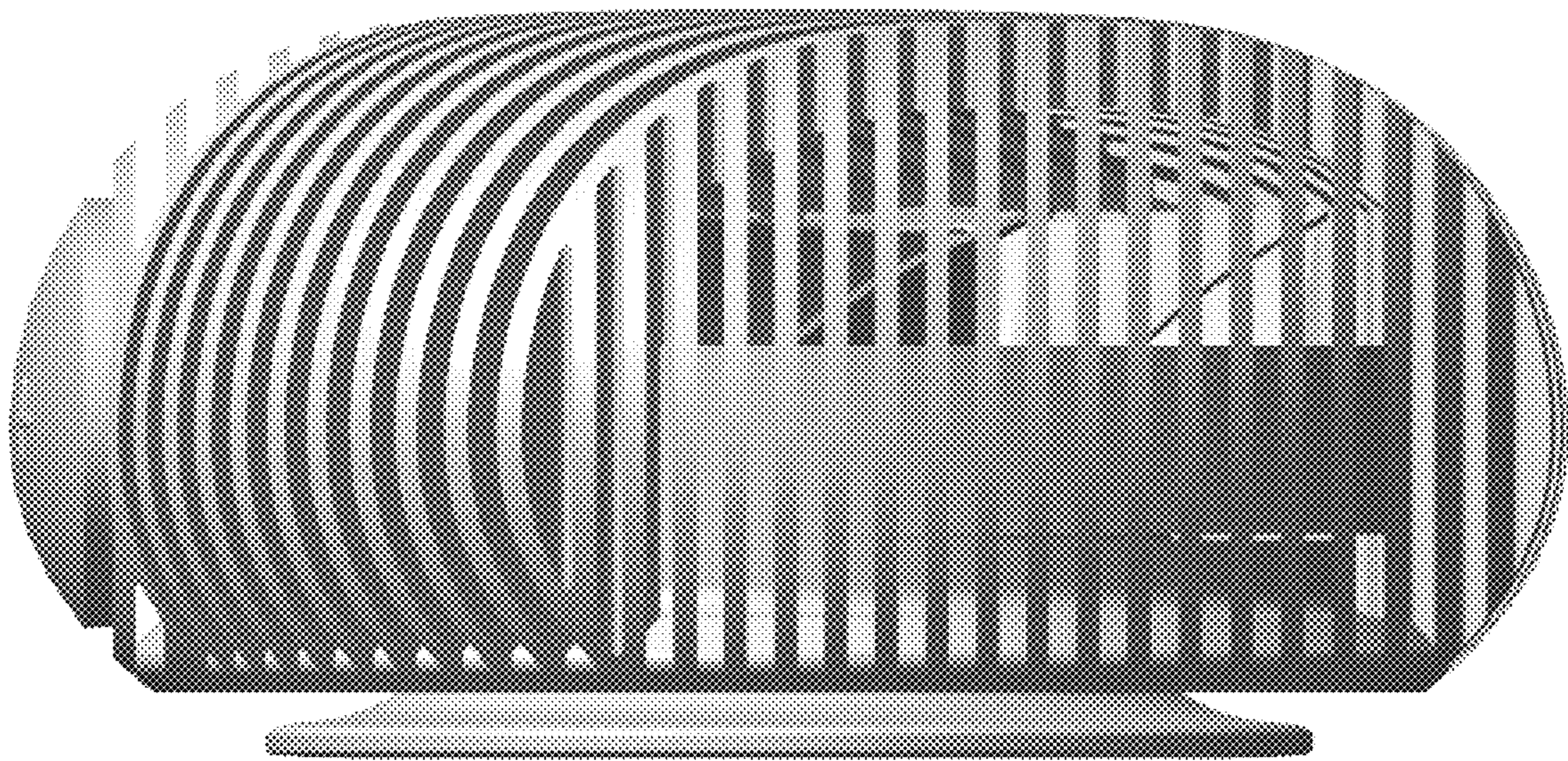


FIG. 5

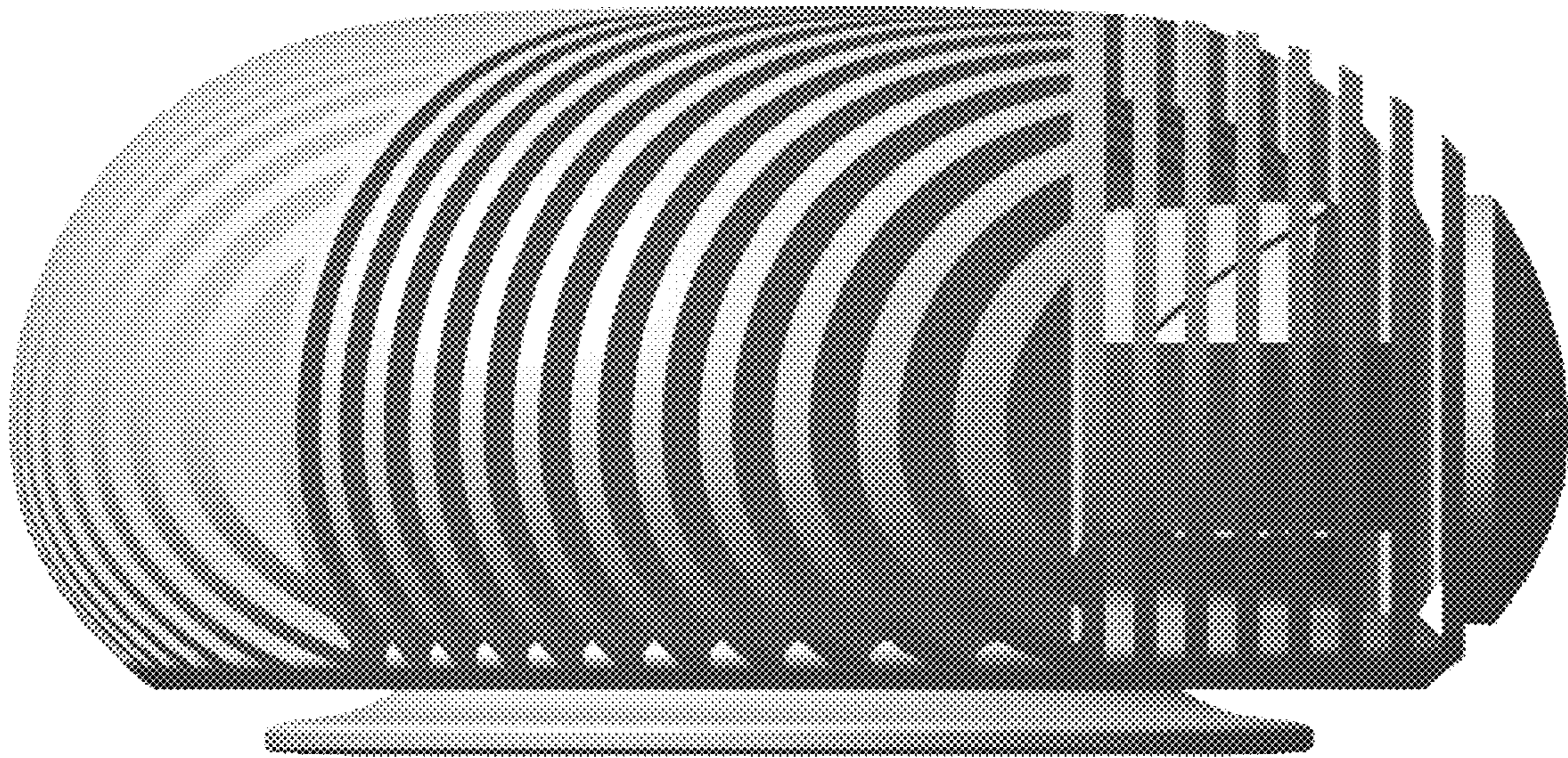


FIG. 6

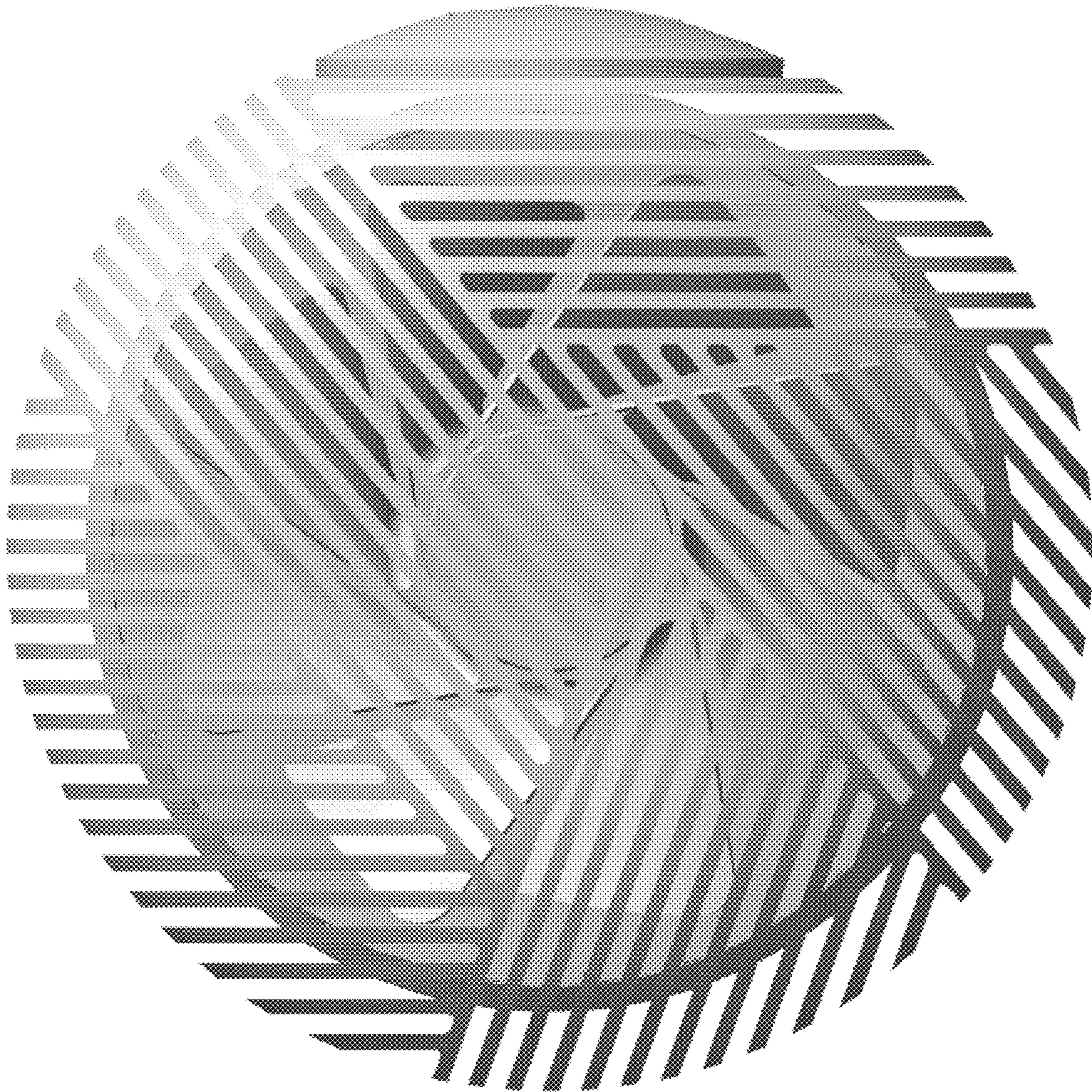


FIG. 7

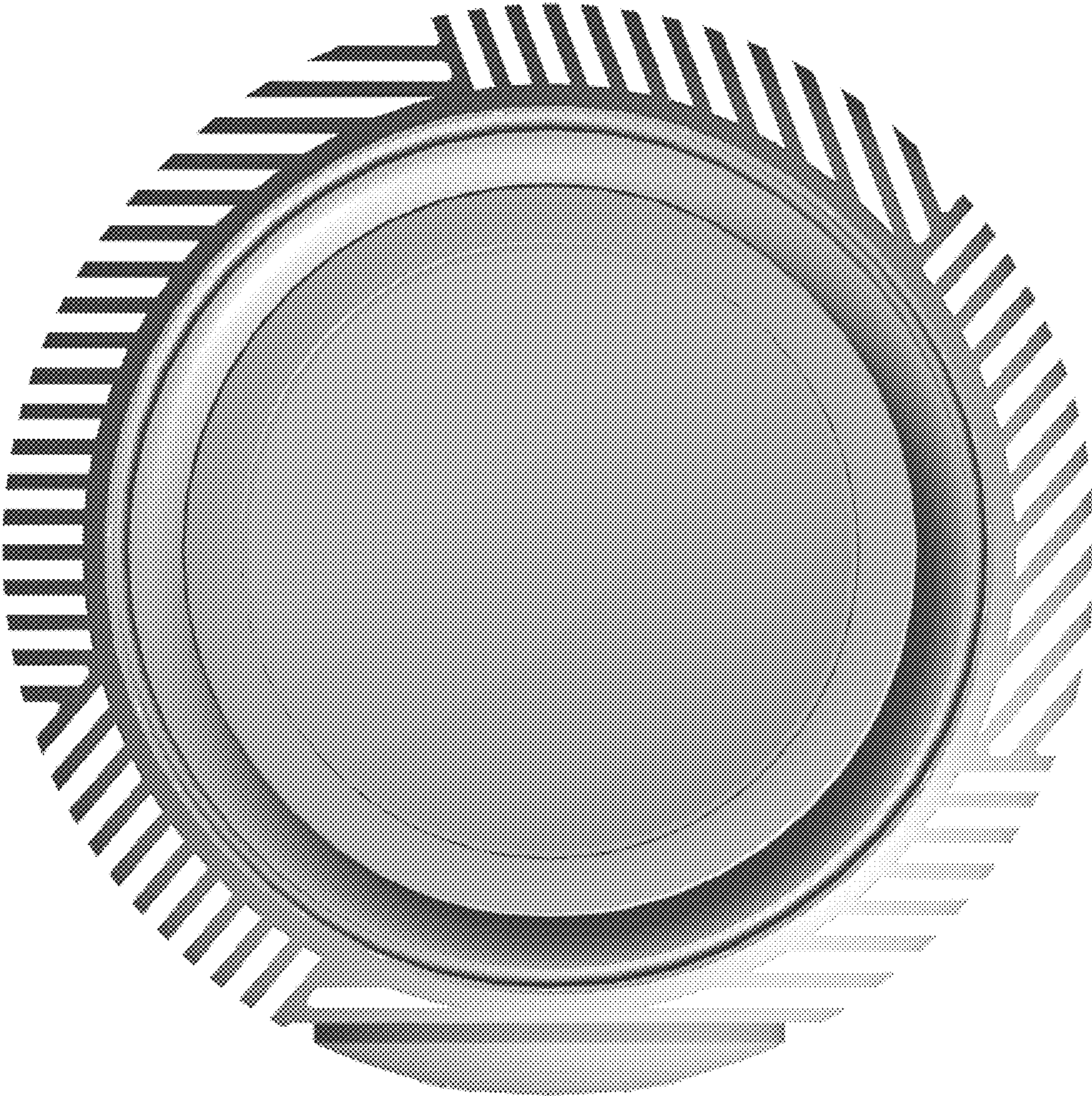


FIG. 8

