



US0D1042267S

(12)

United States Design Patent

Lee

(10) Patent No.:

US D1,042,267 S

(45) Date of Patent:

** Sep. 17, 2024

(54) JOYSTICK FOR PERSONAL MOBILITY

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(**) Term: 15 Years

(21) Appl. No.: 29/831,236

(22) Filed: Mar. 18, 2022

(30) Foreign Application Priority Data

Dec. 22, 2021 (KR) 30-2021-0061803

(51) LOC (14) Cl. 12-16

(52) U.S. Cl. D12/174

USPC D12/174

(58) Field of Classification Search

USPC D12/174, 128, 131, 133, 192; D8/310; D14/401, 412, 413, 415, 417, 418; D21/333

CPC . G05G 1/00; G05G 5/05; G05G 9/047; G06F 3/0338; A63F 2009/24

See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

D212,379 S * 10/1968 Dudes et al. D7/393

D424,047 S * 5/2000 Chan D14/401

D569,220 S * 5/2008 McConnell D8/310

D613,291 S * 4/2010 Carver D14/218

D679,276 S * 4/2013 Coulter D14/412

D692,003 S * 10/2013 Coulter D14/412

D693,346 S * 11/2013 Coulter D14/412

9,931,567 B2 * 4/2018 Tiffany G05G 9/047

9,943,757 B2 * 4/2018 Tiffany G05G 5/05

D890,185 S * 7/2020 Jetter D21/333

D917,622 S * 4/2021 Hsu D21/333

D943,523 S * 2/2022 Kim D13/108

(Continued)

FOREIGN PATENT DOCUMENTS

CN 305285650 * 2/2019

GB 4013035 * 10/2009

KR 301185143.0000 * 12/2021

OTHER PUBLICATIONS

Round Game Joystick Mobile Phone, date referenced Apr. 10, 2024, data retrieved by Pia Marchetti at <https://www.aliexpress.com/item/1005005242445768.html> (Year: 2024).*

(Continued)

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(57) CLAIM

The ornamental design for a joystick for personal mobility, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the joystick for personal mobility according to the present invention.

FIG. 2 is a front view of the joystick for personal mobility of FIG. 1.

FIG. 3 is a rear view of the joystick for personal mobility of FIG. 1.

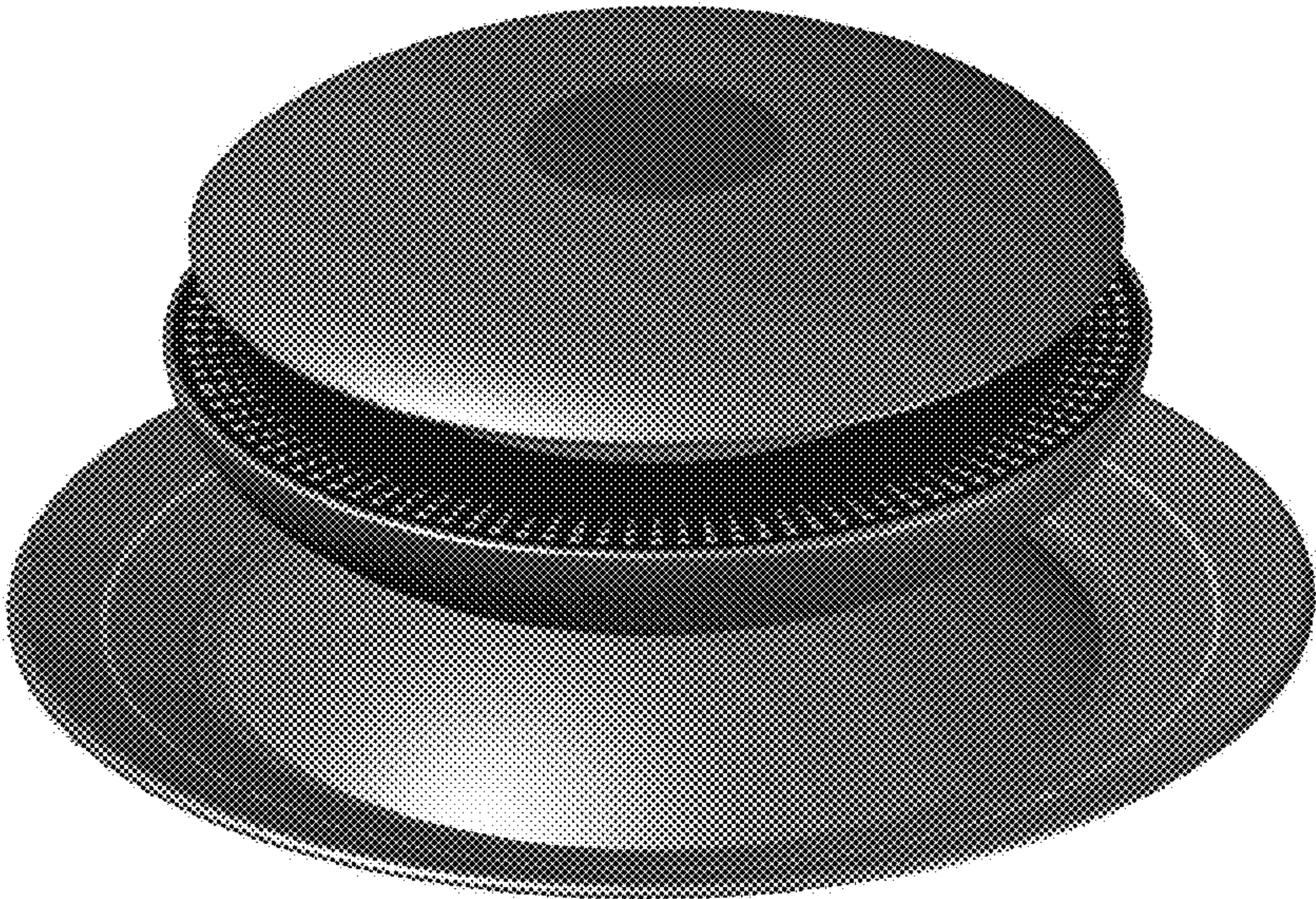
FIG. 4 is a left side view of the joystick for personal mobility of FIG. 1.

FIG. 5 is a right side view of the joystick for personal mobility of FIG. 1.

FIG. 6 is a top view of the joystick for personal mobility of FIG. 1; and,

FIG. 7 is a bottom view of the joystick for personal mobility of FIG. 1.

1 Claim, 5 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D990,569 S * 6/2023 Aoyagi D21/333
D994,779 S * 8/2023 Liu D21/333
2016/0346681 A1* 12/2016 Tsai A63F 13/24
2017/0304717 A1* 10/2017 Huang G06F 3/0338

OTHER PUBLICATIONS

Vakili Mobile Phone Game Joystick Game Control, date referenced Apr. 10, 2024, data retrieved by Pia Marchetti at <https://www.amazon.com/Vakili-Joystick-Control-Controller-Android/dp/B07CG8BS6P> (Year: 2024).*

Big Button—Joystick Handle for Electric Wheelchairs and Mobility Powerchair, date referenced Apr. 10, 2024, data retrieved by Pia Marchetti at <https://www.etsy.com/listing/1029927714/big-button-joystick-handle-for-electric> (Year: 2024).*

Sony Standard Thumbsticks 2 Pack, date referenced Apr. 10, 2024, data retrieved by Pia Marchetti at <https://scufgaming.com/sony-ps4-oem-thumbsticks-double-pack> (Year: 2024).*

* cited by examiner

FIG. 1

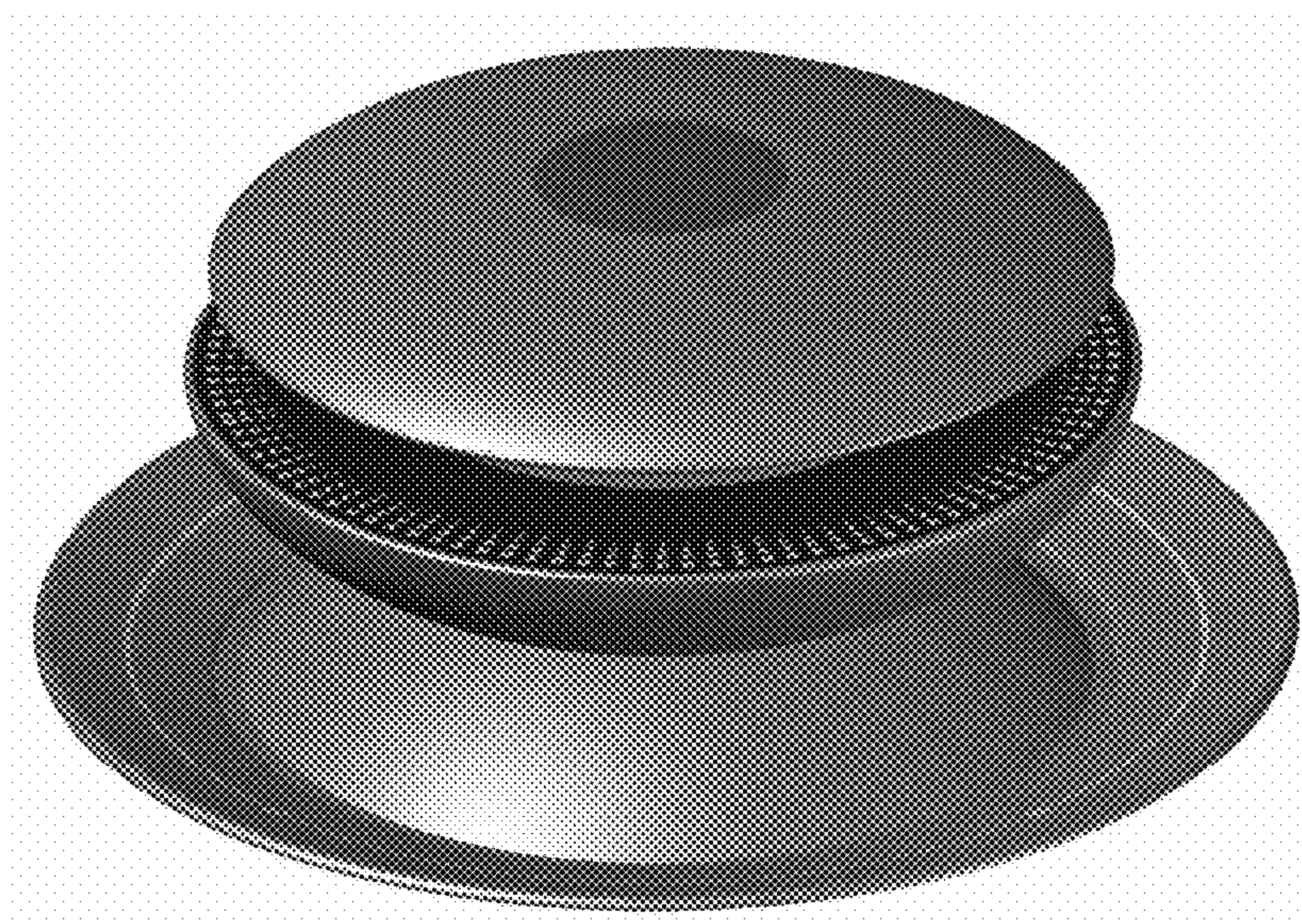


FIG. 2

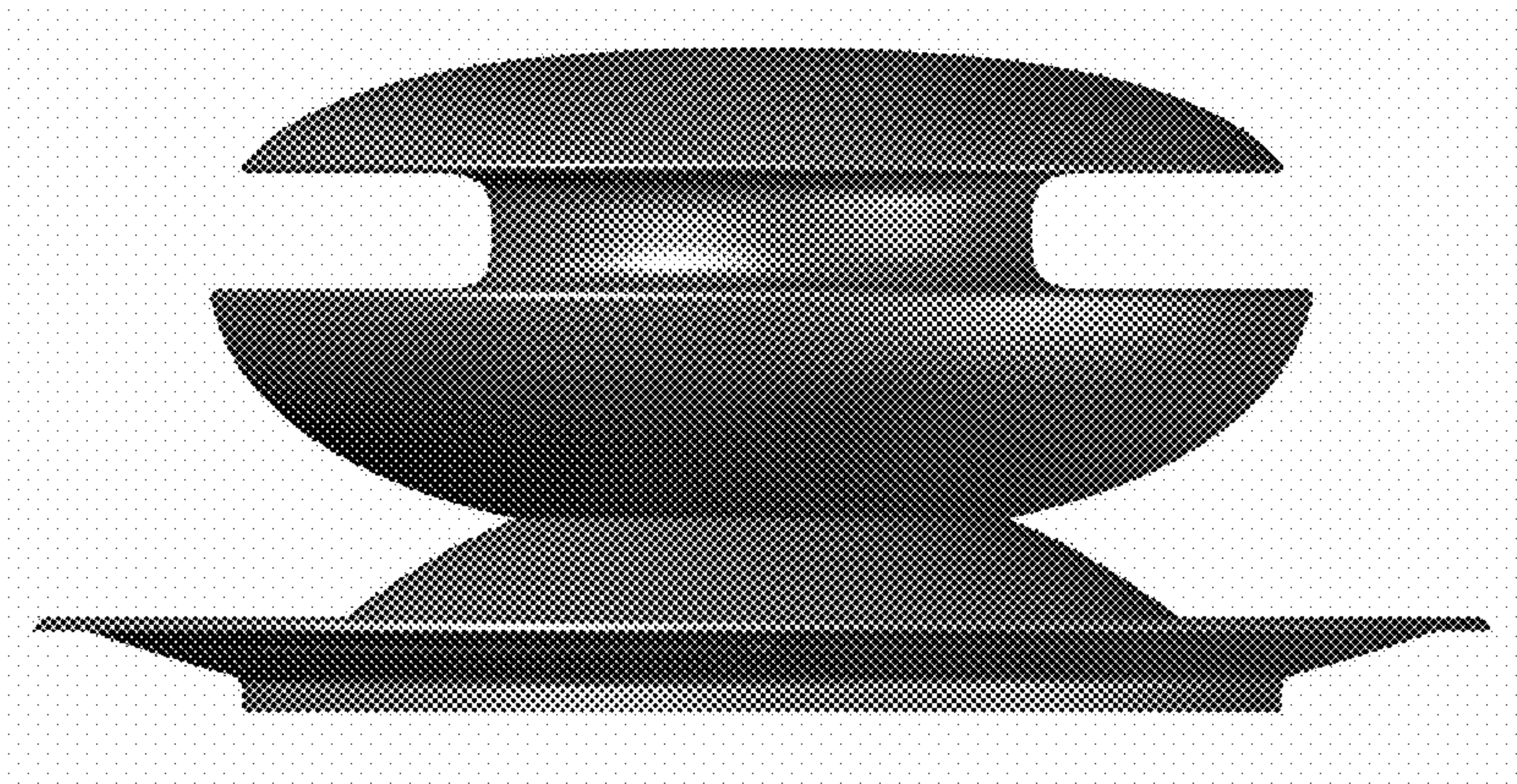


FIG. 3

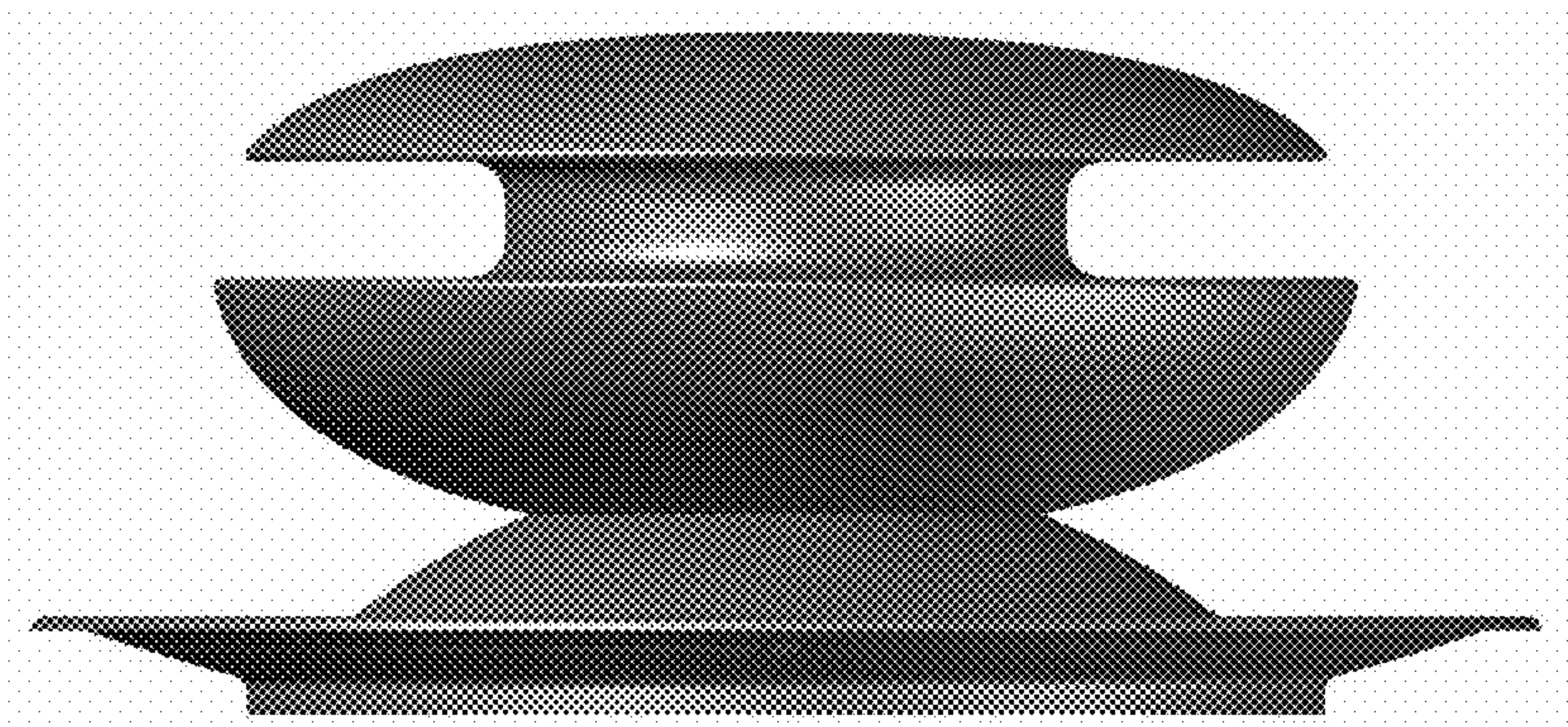


FIG. 4

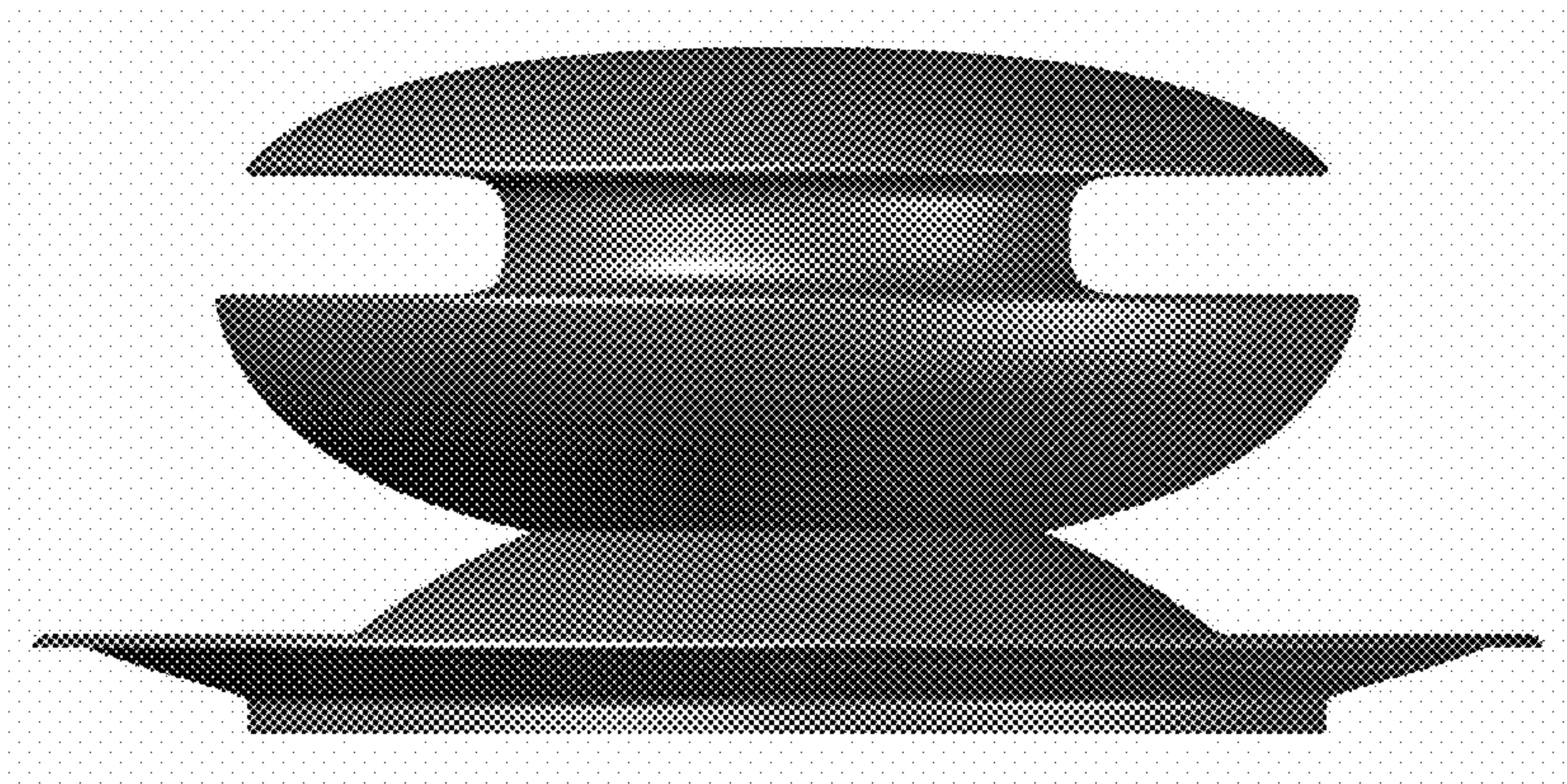


FIG. 5

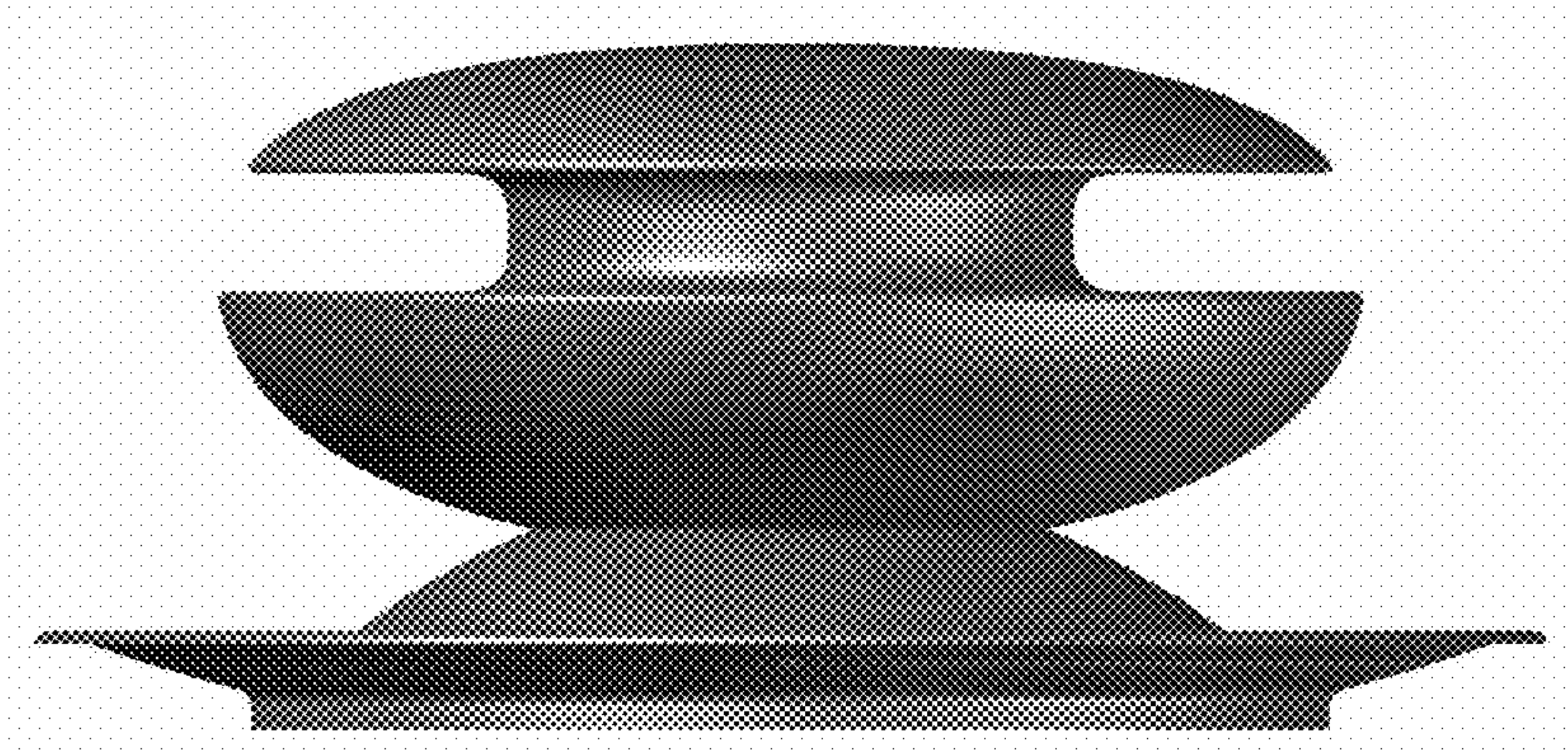


FIG. 6



FIG. 7

