



US00D966426S

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

(10) **Patent No.:** **US D966,426 S**

(45) **Date of Patent:** **** Oct. 11, 2022**

(54) **ORBITAL PLANE TOY**

(71) Applicant: **Guangdong Hengguan Technology Industrial Co., Ltd, Shantou (CN)**

(72) Inventor: **Tianxiong Zhou, Shantou (CN)**

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

(21) Appl. No.: **29/802,784**

(22) Filed: **Aug. 9, 2021**

(51) **LOC (13) Cl.** **21-01**

(52) **U.S. Cl.**

USPC **D21/430; D21/436; D21/447**

(58) **Field of Classification Search**

USPC D21/473, 430, 433, 434, 436, 447, 564,
D21/541, 540, 533, 542, 543, 546, 544,
D21/552, 548

CPC A63H 27/00; A63H 27/02; A63H 27/04;
A63H 27/001; A63H 27/06; A63H 7/02

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 1,556,647 A * 10/1925 Strauss A63H 27/04
446/58
- 2,122,346 A * 6/1938 Horn A63H 27/04
446/33
- 2,384,193 A * 9/1945 Platt A63H 27/06
446/56
- D185,733 S * 7/1959 Cagan et al. D21/430
- 2,896,369 A * 7/1959 Palensky A63H 27/00
446/230
- 3,041,983 A * 7/1962 Liversidge A63H 21/02
446/228
- D225,248 S * 11/1972 Ostrander D21/448
- 3,808,732 A * 5/1974 Gay A63H 33/00
446/230
- D254,918 S * 5/1980 Havranek A63H 27/04
D21/448

- D265,488 S * 7/1982 Appel A63H 27/04
D21/447
- D275,300 S * 8/1984 Mancini A63H 27/00
D12/112
- D303,686 S * 9/1989 Tapdrup A63H 27/06
D21/450
- 5,733,169 A * 3/1998 Tsai A63H 27/00
446/237

(Continued)

FOREIGN PATENT DOCUMENTS

- CN 201775959 U * 3/2011
- CN 202087054 U * 12/2011

(Continued)

OTHER PUBLICATIONS

“Airbus Beluga,” Sep. 13, 1994, wikipedia.org, site visited May 27, 2022, URL: https://en.wikipedia.org/wiki/Airbus_Beluga (Year: 1994).*

(Continued)

Primary Examiner — Eric L Goodman

Assistant Examiner — Sarah L Smith

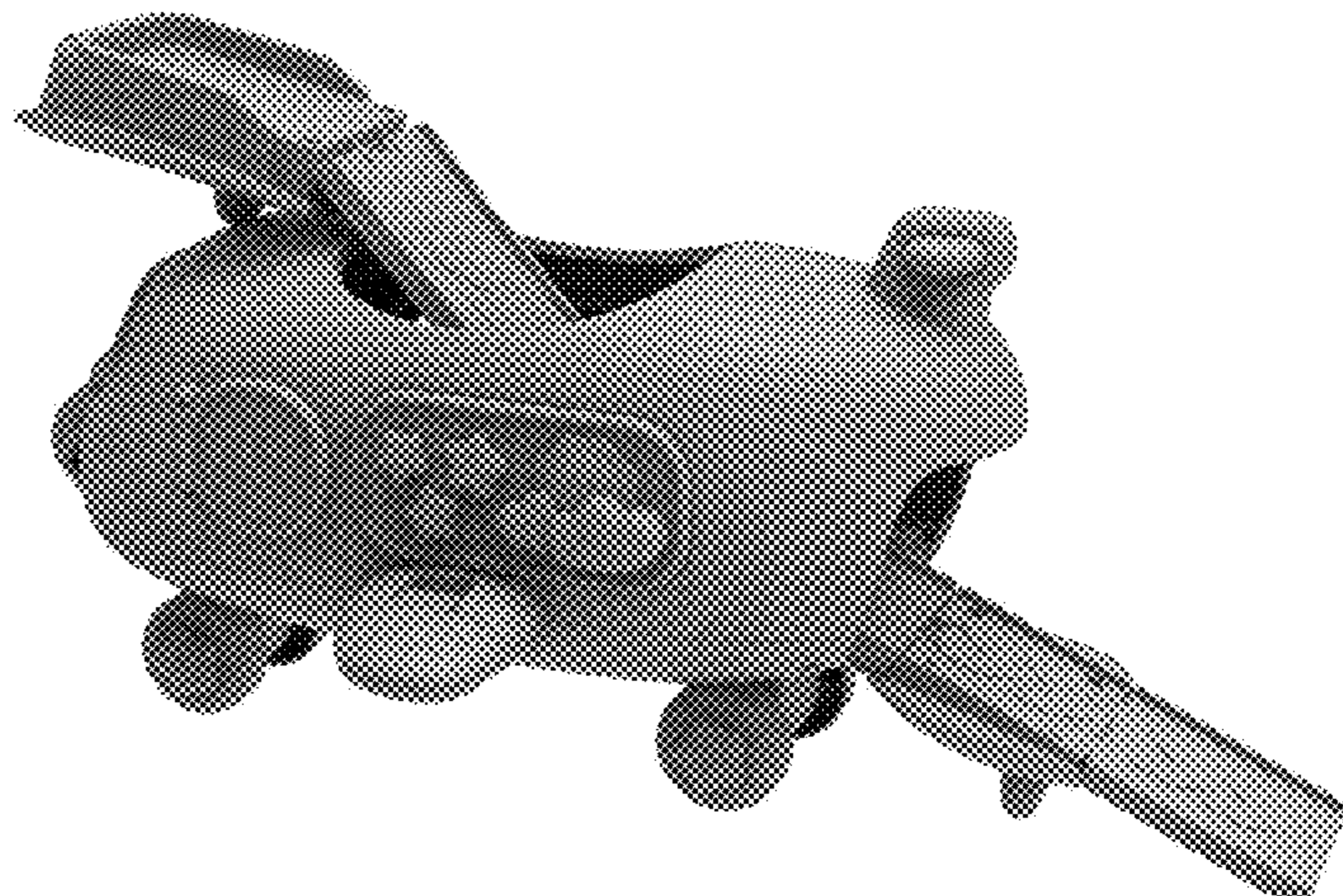
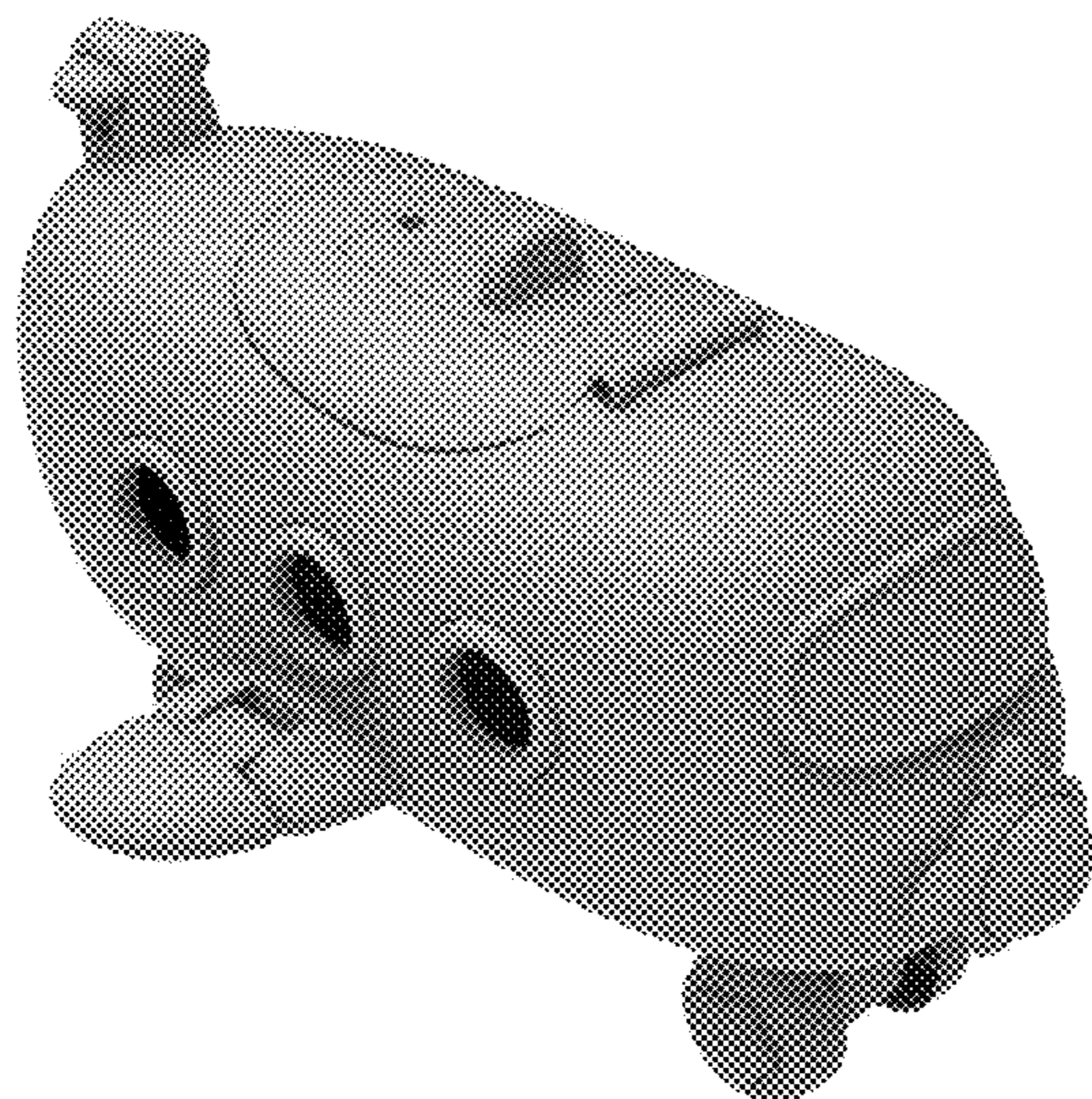
(57) **CLAIM**

The ornamental design for an orbital plane toy, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of an orbital plane toy showing my new design;
FIG. 2 is a front view thereof;
FIG. 3 is a back 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 perspective view of another state of the orbital plane toy thereof.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D449,658 S * 10/2001 Ma D21/448
 D628,244 S 11/2010 Fish
 D837,897 S * 1/2019 Mayson A63H 27/00
 D21/430
 D897,447 S * 9/2020 Gillenwater A63H 33/00
 D21/447
 D900,242 S 10/2020 Ramirez et al.
 D900,243 S 10/2020 Ramirez et al.

FOREIGN PATENT DOCUMENTS

CN 302826437 * 5/2014 B63G 8/22
 CN 302826439 * 5/2014 A63F 9/12
 CN 302826442 * 5/2014
 CN 207575787 U * 7/2018 B63G 8/22
 CN 207822516 U * 9/2018 A63F 9/12
 CN 211676284 U * 10/2020
 CN 212090885 U * 12/2020
 CN 306621784 * 6/2021
 CN 215232101 U * 12/2021 A63H 17/25

EP 2845794 A1 * 3/2015 B63G 8/22
 JP 2000342860 A * 12/2000 A63H 17/25
 WO WO-2008131595 A1 * 11/2008 A63F 9/12

OTHER PUBLICATIONS

“Fisher-Price Little People Travel Together Airplane,” Dec. 7, 2017, amazon.ca, site visited May 27, 2022, URL: <https://www.amazon.ca/Fisher-Price-Little-People-Together-Airplane/dp/B06XKFX816/> (Year: 2017).*

“Cartoon Airplane 3D Model,” Jan. 11, 2018, free3d.com, site visited May 27, 2022, URL: <https://free3d.com/3d-model/cartoon-airplane-5106.html> (Year: 2018).*

“Airplane 4 Port USB 2.0 Hub,” Sep. 1, 2019, amazon.com, site visited May 31, 2022, URL: <https://www.amazon.com/Airplane-Port-USB-2-0-Hub/dp/B07XDZBRDJ> (Year: 2019).*

“12Pcs/Set Wooden Toy Cars Set,” Feb. 20, 2019, amazon.co.uk, site visited May 27, 2022, URL: <https://www.amazon.co.uk/Zerodis-Cartoon-Educational-Aircraft-Children/dp/B07NYNJ8R5?th=1> (Year: 2019).*

* cited by examiner



FIG. 1

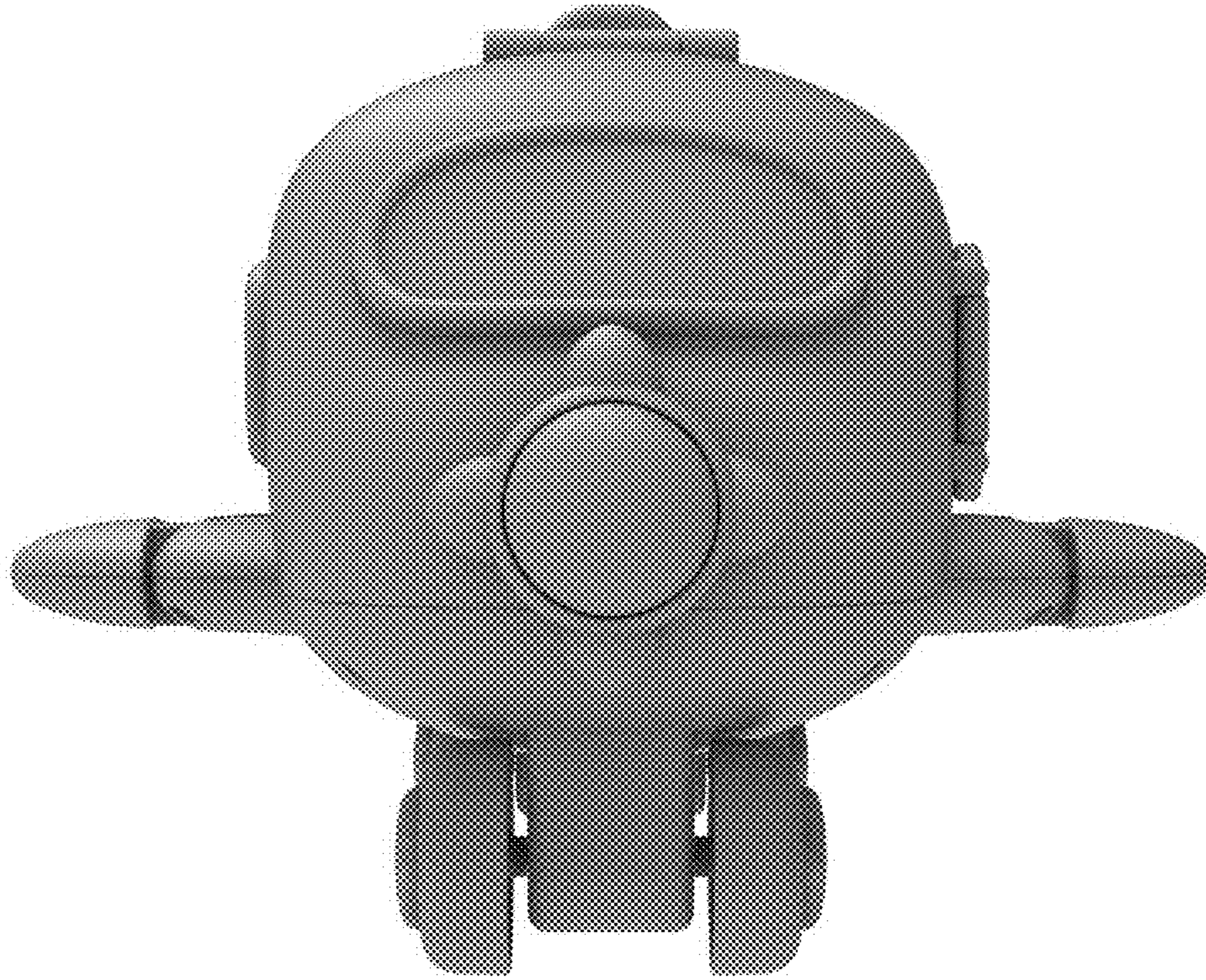


FIG. 2

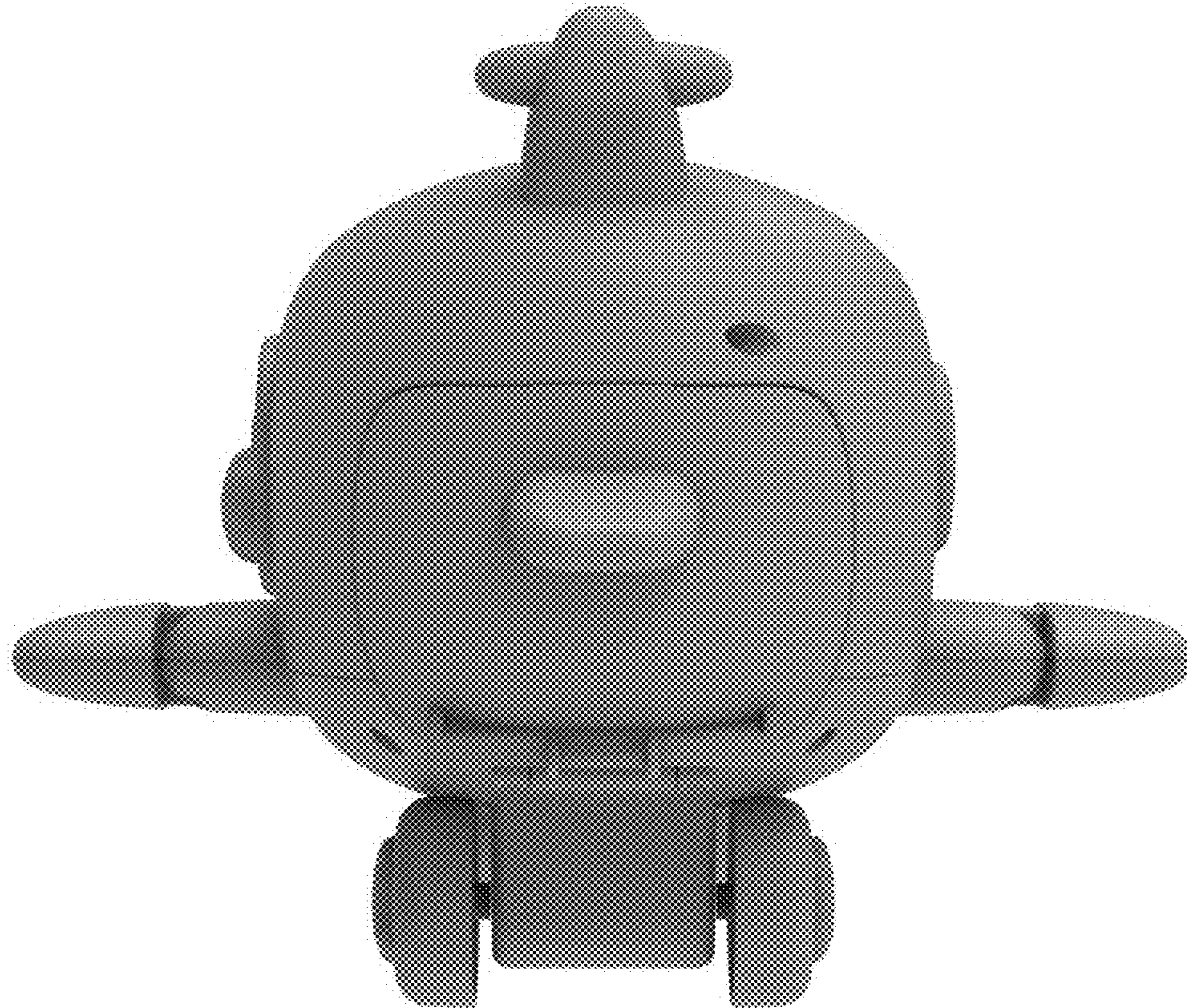


FIG. 3

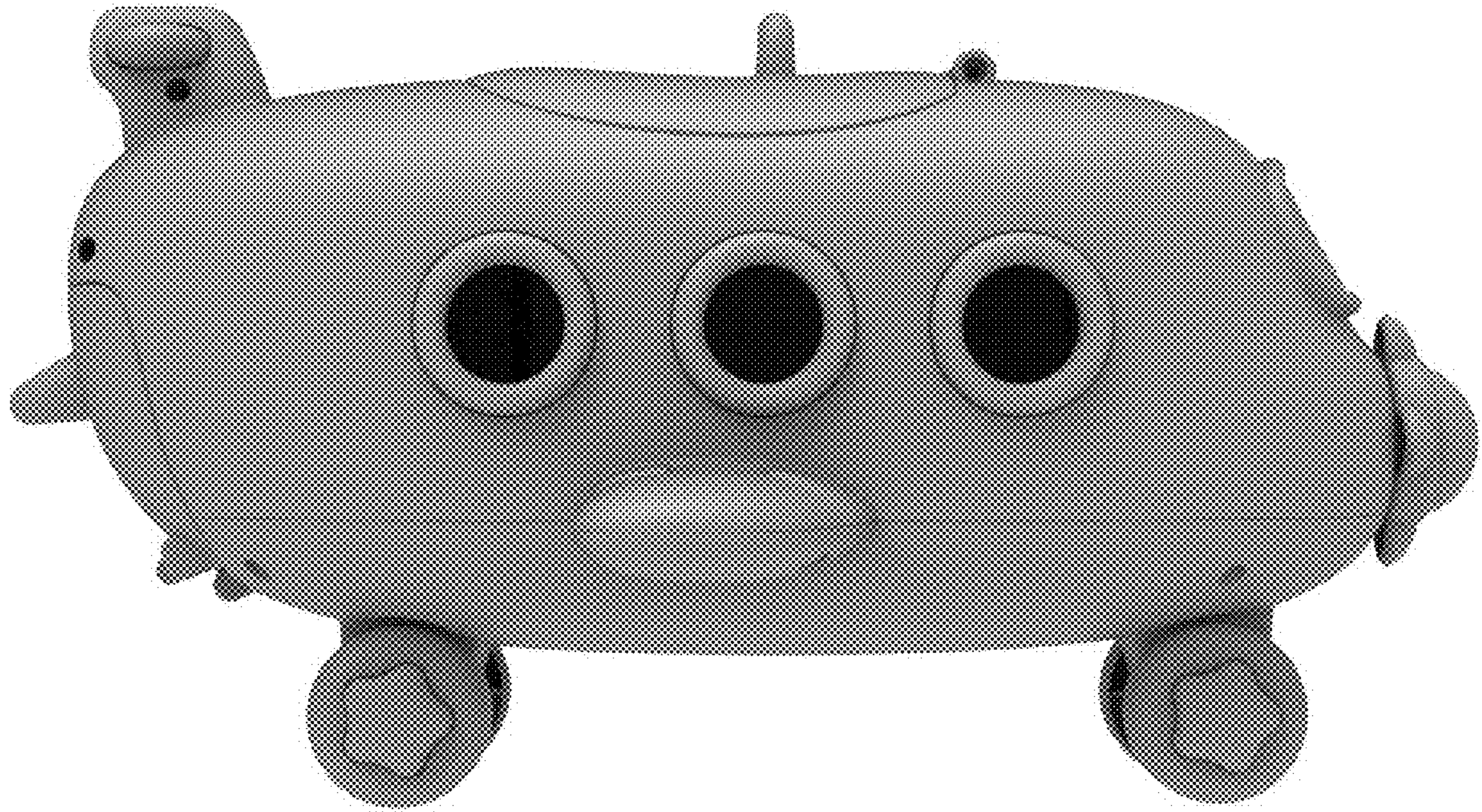


FIG. 4

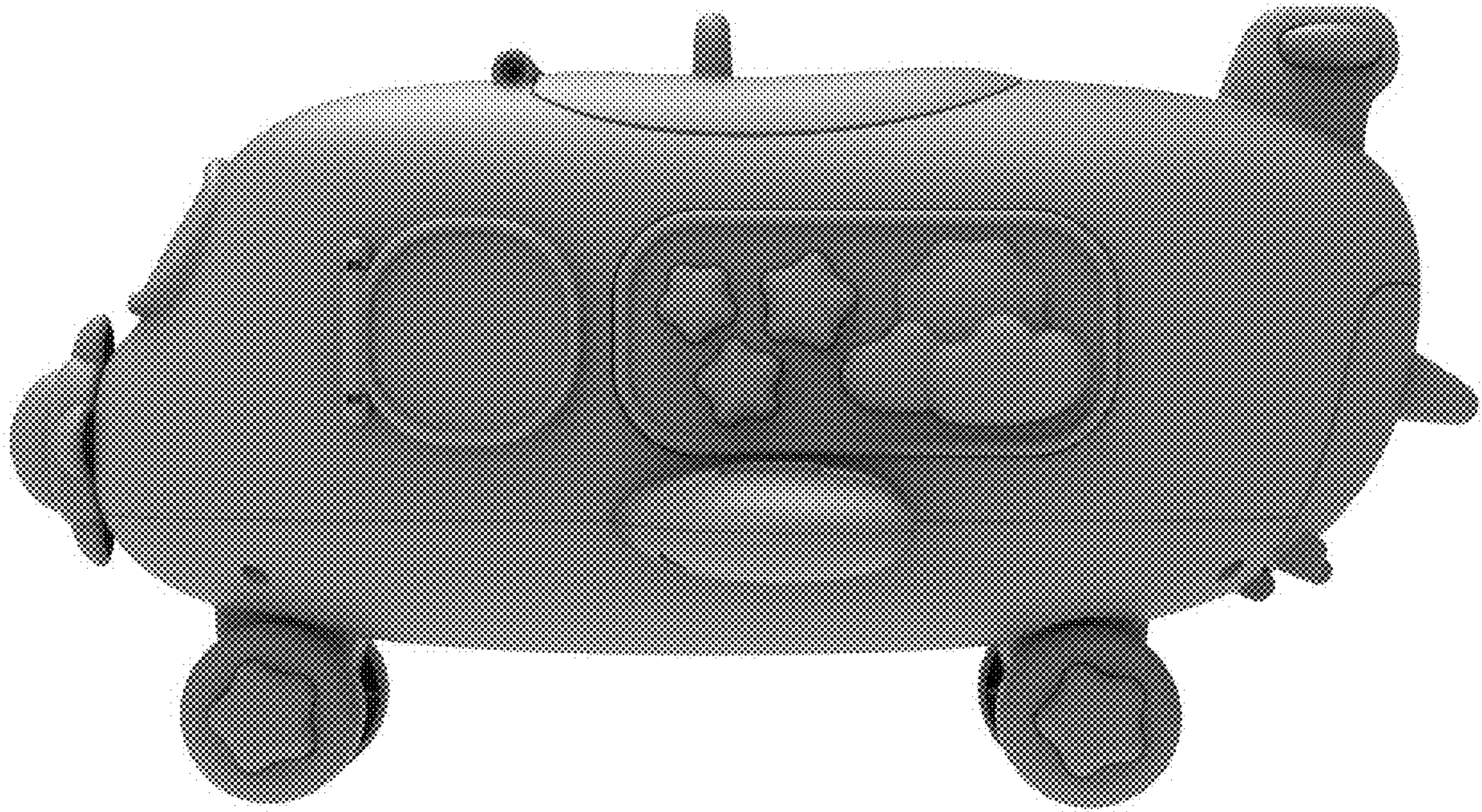


FIG. 5

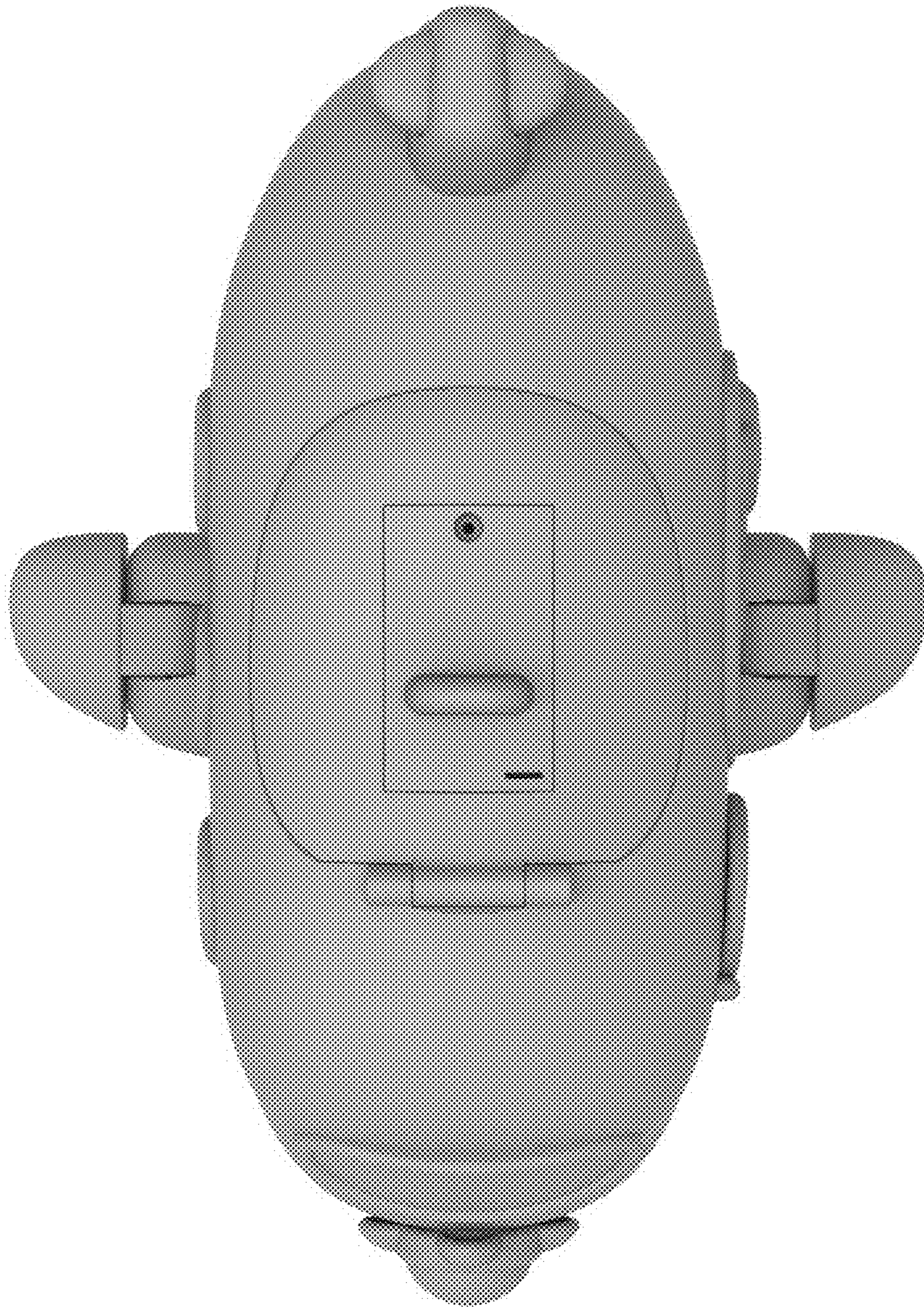


FIG. 6

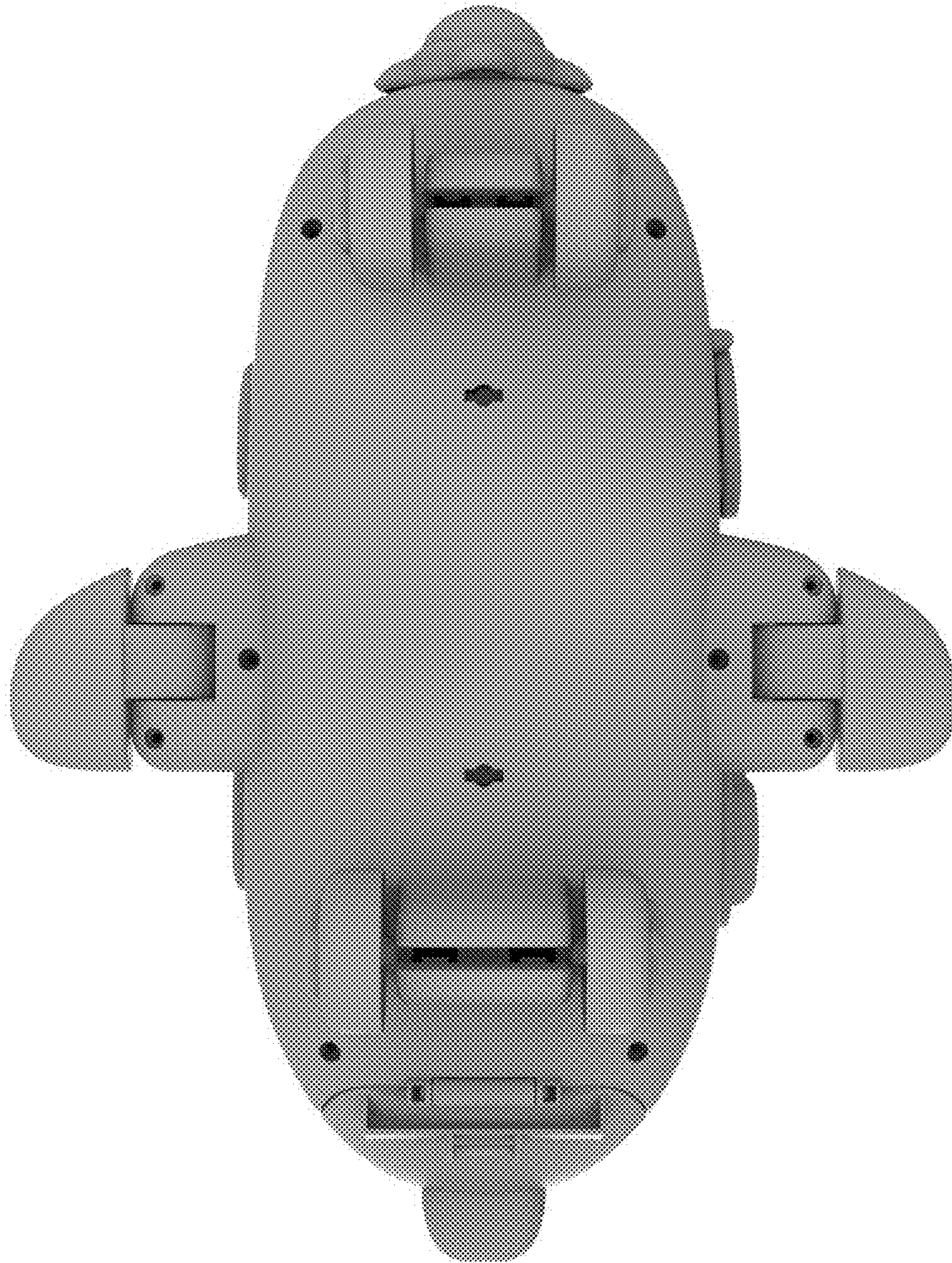


FIG. 7

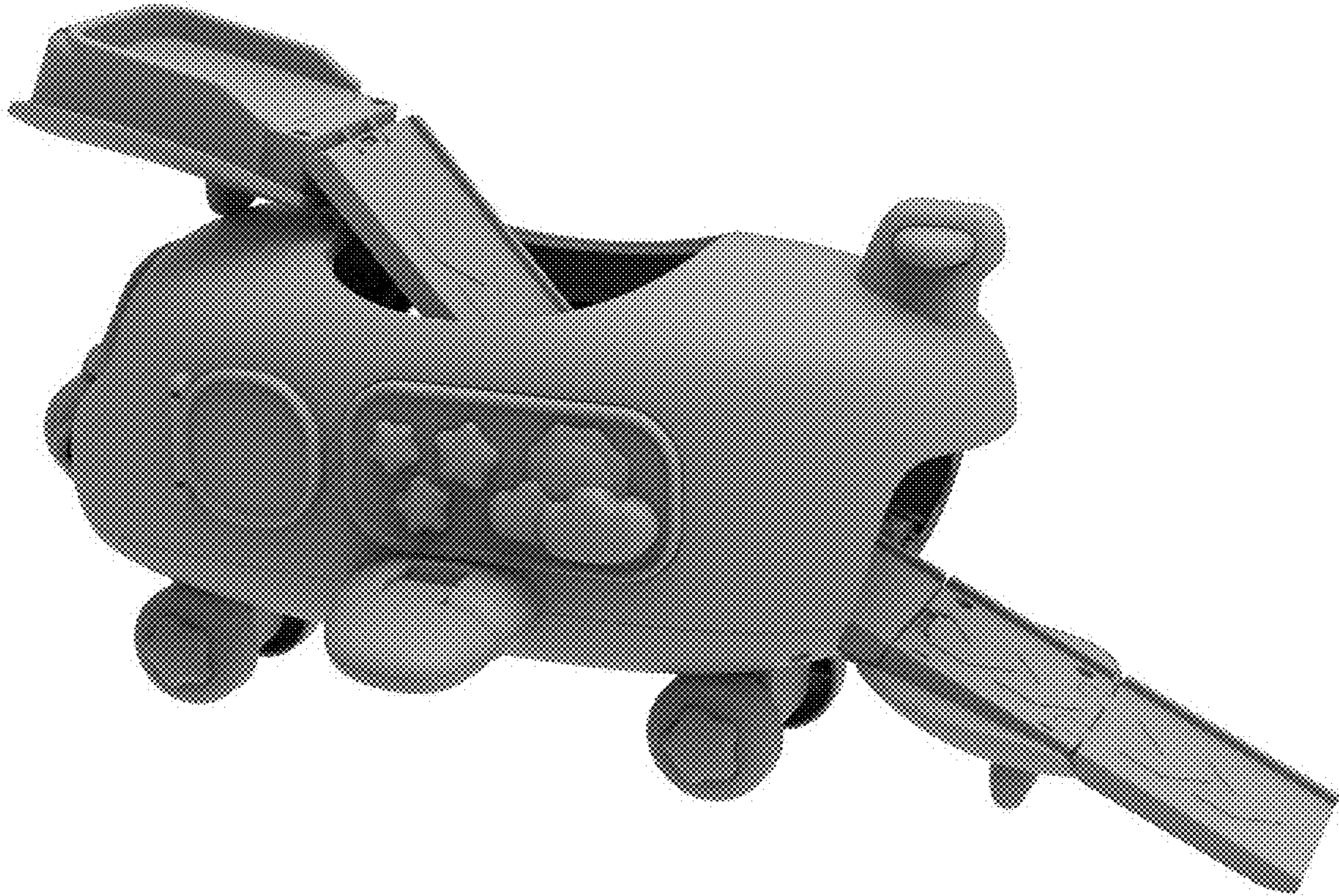


FIG. 8