



US00D977020S

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

(10) **Patent No.:** **US D977,020 S**  
(45) **Date of Patent:** **\*\* Jan. 31, 2023**

- (54) **HULA HOOP**
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D965,705 S \* 10/2022 Yang ..... A63B 21/0618  
D21/683  
D969,240 S \* 11/2022 Hu ..... A63B 21/222  
D21/683  
2014/0342882 A1\* 11/2014 Huang ..... A63B 21/222  
482/110  
2016/0332018 A1\* 11/2016 Granat ..... H05B 45/00  
2017/0100620 A1\* 4/2017 Hsiao ..... A63B 21/0618  
(Continued)

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

**FOREIGN PATENT DOCUMENTS**

(21) Appl. No.: **29/781,040**

CN 306523169 \* 5/2021

(22) Filed: **Apr. 28, 2021**

**OTHER PUBLICATIONS**

- (51) **LOC (14) Cl.** ..... **21-01**
- (52) **U.S. Cl.**  
USPC ..... **D21/457**; D21/662; D21/683
- (58) **Field of Classification Search**  
USPC ..... D21/420, 455, 457, 465, 466, 662, 683,  
D21/680, 691, 694, 797; D24/200, 211,  
D24/215; D30/160  
CPC . A63B 19/00; A63B 21/0004; A63B 21/0608;  
A63B 21/002; A63B 21/4009; A63B  
21/068; A63B 21/065  
See application file for complete search history.

Lhotse Smart Weighted Fit Hoop 55in, amazon.com, first available date Jun. 10, 2021 [online], [site visited date Nov. 7, 2022], Available from the internet, URL: <https://www.amazon.com/Smart-Hula-Hoops-Adults-Weight-Loss-Counting-Detachable-Adjustable/dp/B096ZK558Z> (Year: 2021).\*

(Continued)

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(56) **References Cited**

(57) **CLAIM**

The ornamental design for a hula hoop, as shown and described.

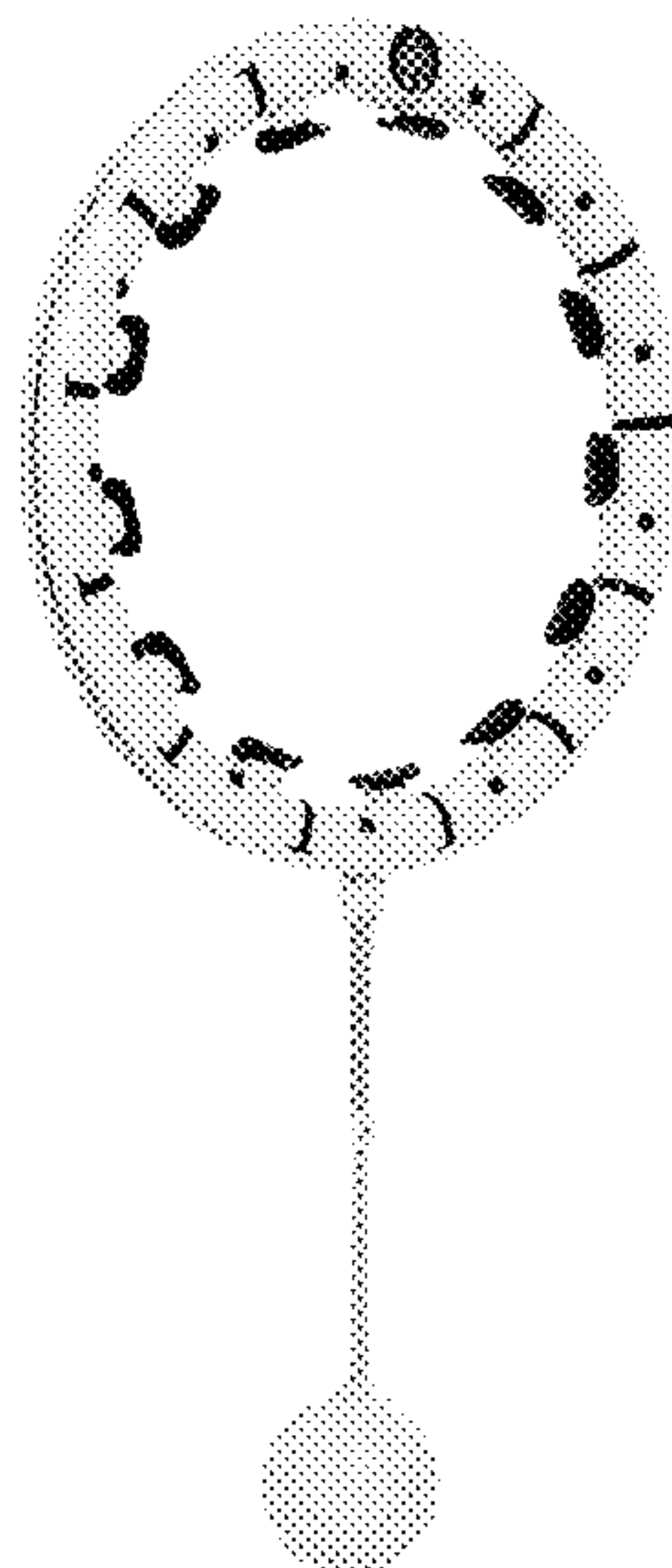
**U.S. PATENT DOCUMENTS**

**DESCRIPTION**

- 3,348,333 A \* 10/1967 Cascioli ..... A63B 19/00  
473/576
- 3,509,660 A \* 5/1970 Seymour ..... A63B 21/0608  
473/576
- D882,888 S \* 4/2020 Steinkraus ..... A63B 19/02  
D30/121
- D937,357 S \* 11/2021 Ju ..... D21/457
- 11,173,336 B1 \* 11/2021 Xu ..... A63B 21/0608
- D953,663 S \* 5/2022 Soto ..... D30/160
- D954,857 S \* 6/2022 Yang ..... D21/662
- 11,446,533 B1 \* 9/2022 Xu ..... A61H 15/00
- D965,693 S \* 10/2022 Li ..... A63B 21/0608  
D21/457

FIG. 1 is a perspective view of a hula hoop showing my new design;  
FIG. 2 is a front elevational view thereof;  
FIG. 3 is a rear elevational view thereof;  
FIG. 4 is a left side elevational view thereof;  
FIG. 5 is a right side elevational view thereof;  
FIG. 6 is a top plan view thereof;  
FIG. 7 is a bottom plan view thereof; and,  
FIG. 8 is another perspective view thereof.

**1 Claim, 8 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

2021/0252323 A1\* 8/2021 Lu ..... A63B 21/151  
2021/0299508 A1\* 9/2021 Gupilan, Sr. .... A63B 19/02

OTHER PUBLICATIONS

Lhotse Smart Hula Hoops for Adults Weight Loss, amazon.co.jp, first available date Aug. 16, 2021 [online], [site visited date Nov. 8, 2022], Available from the internet, URL: <https://www.amazon.co.jp/-/en/Trainer-Removable-Adjustable-Fitness-Exercise/dp/B096ZK558Z> (Year: 2021).\*

Mart Weighted Fit Hoop for Adults, amazon.ca, first available date Jul. 19, 2021 [online], [site visited date Nov. 8, 2022], Available from the internet, URL: <https://www.amazon.ca/Counting-Trainer-Detachable-Adjustable-Fitness/dp/B096ZK558Z> (Year: 2021).\*

Ubuy Smart Weighted Fit Hoop, ubuy.cr, first available Aug. 7, 2021 [online], [site visited Nov. 8, 2022], Available from URL: <https://www.ubuy.cr/en/product/1IDRTDXCW-smart-hula-hoops-for-adults-weight-loss-counting-tik-tok-hoola-hoop-waist-trainer-detachable-size-adjustable-55-16-detachable-knots-2-in> (Year: 2021).\*

Counting Hoola Hoop Waist Trainer, ebay.com, [online], [site visited date Nov. 8, 2022], Available from the internet, URL: <https://www.ebay.com/itm/384877362634> (Year: 2022).\*

24 Knots Smart Weighted Hula Hoop, ebay.com, [online], [site visited date Nov. 8, 2022], Available from the internet, URL: <https://www.ebay.com/itm/225168613295> (Year: 2022).\*

\* cited by examiner



FIG. 1



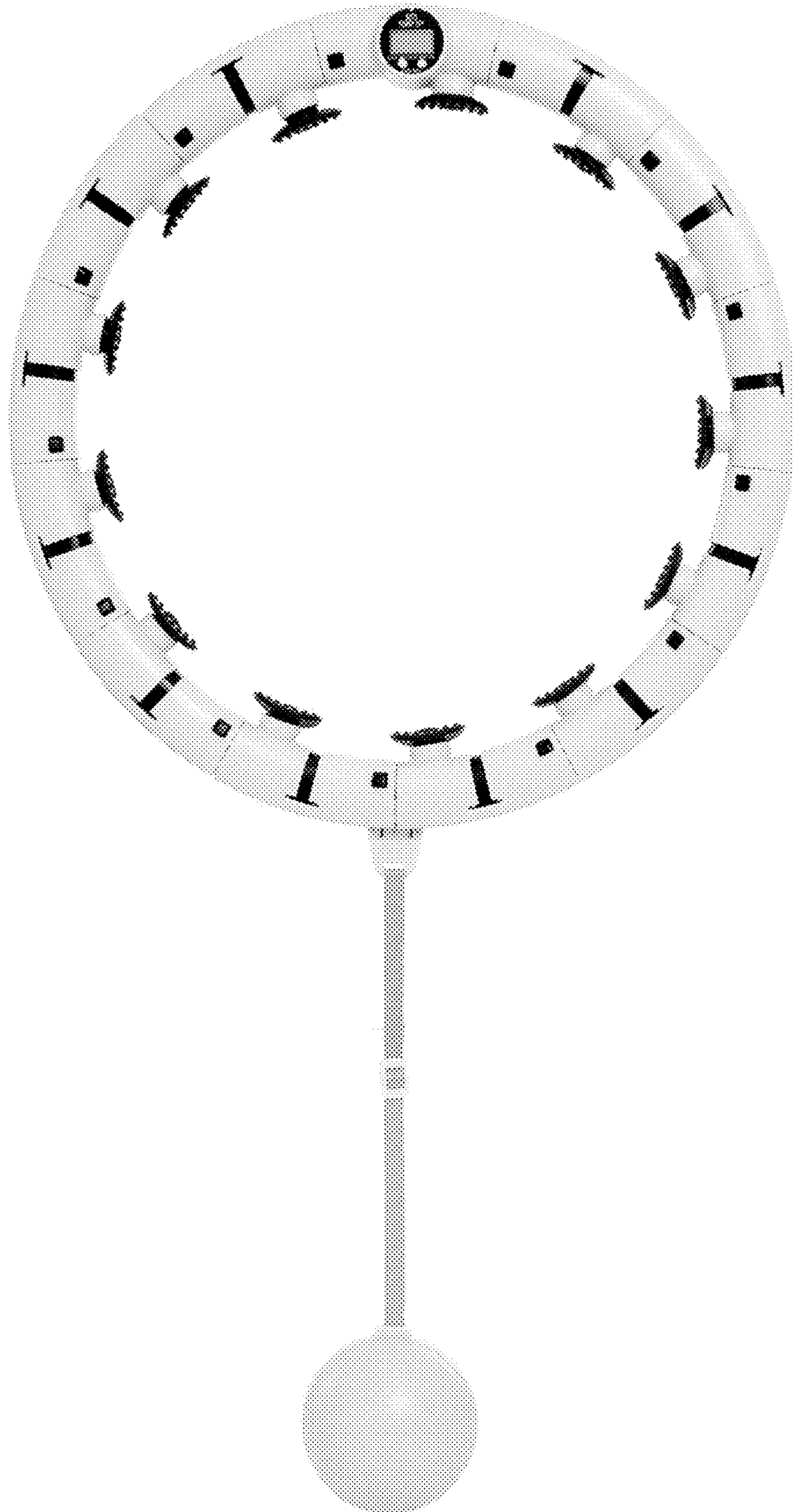


FIG. 2



FIG. 3

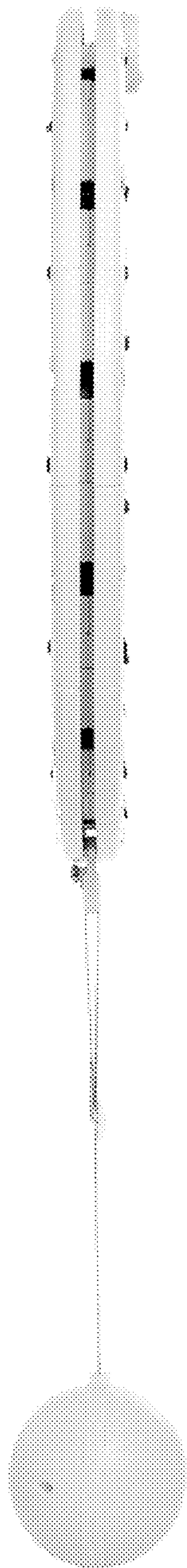


FIG. 4

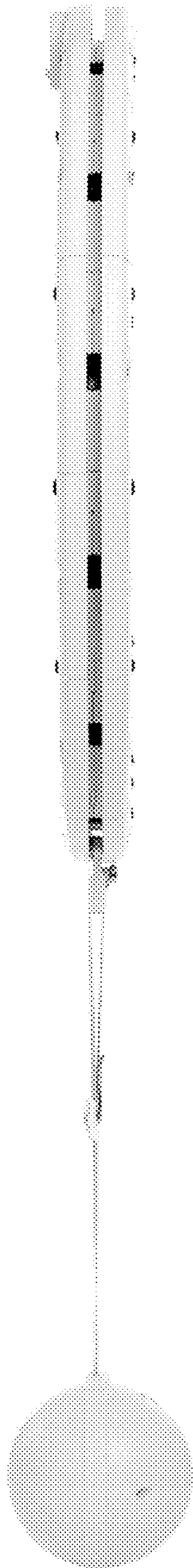


FIG. 5

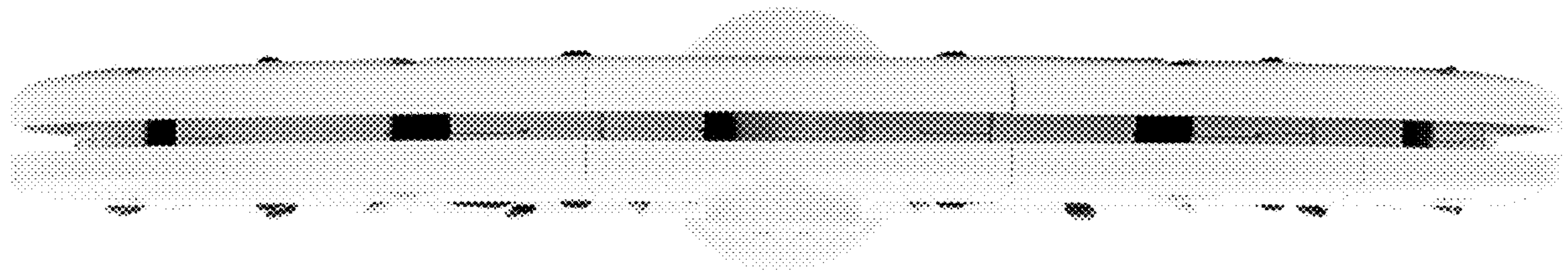


FIG. 6



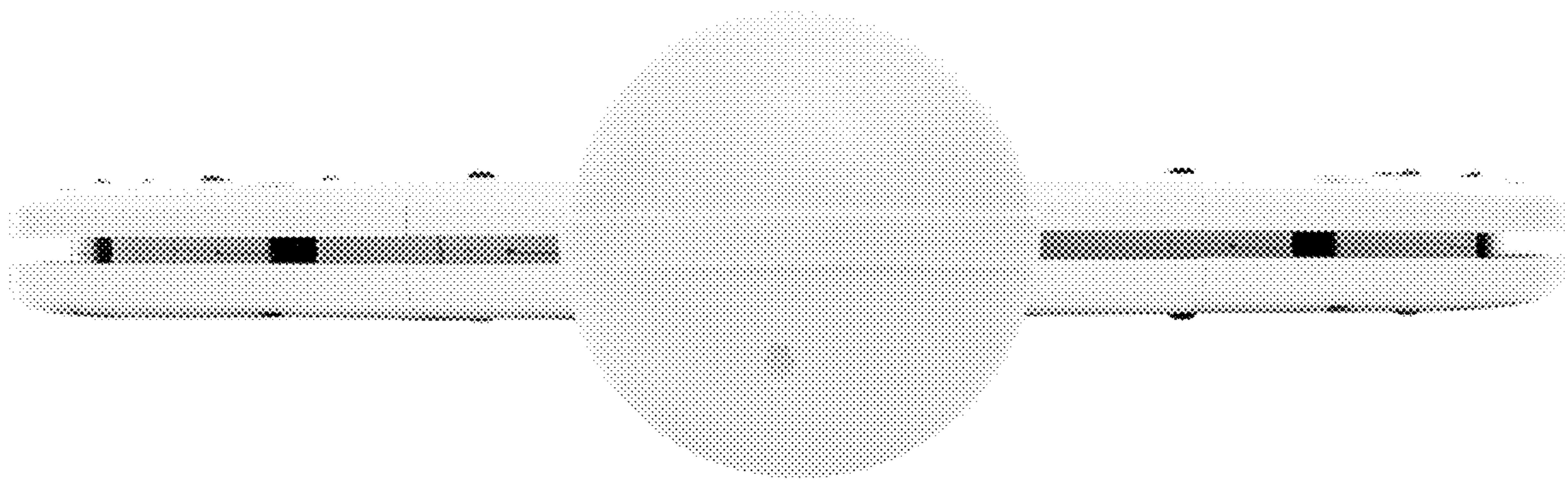


FIG. 7



FIG. 8