



US00D888913S

(12) **United States Design Patent** (10) **Patent No.:** **US D888,913 S**
Ling et al. (45) **Date of Patent:** **** Jun. 30, 2020**

(54) **AIR HUMIDIFIER**

(71) Applicant: **GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI**, Guangdong (CN)

(72) Inventors: **Wenbing Ling**, Zhuhai (CN); **Chunqing Hu**, Zhuhai (CN); **Xue Zhang**, Zhuhai (CN); **Chunyue Xu**, Zhuhai (CN); **Jingjing Wang**, Zhuhai (CN); **Luan Qin**, Zhuhai (CN); **Huanlong Wu**, Zhuhai (CN); **Xuxiang He**, Zhuhai (CN); **Sha Li**, Zhuhai (CN); **Jijian Zhang**, Zhuhai (CN); **Nanfei Chen**, Zhuhai (CN); **Jinmei Feng**, Zhuhai (CN); **Qinhong Chen**, Zhuhai (CN); **Binglei Niu**, Zhuhai (CN); **Yang Guo**, Zhuhai (CN); **Weirui Liu**, Zhuhai (CN); **Linjun Yu**, Zhuhai (CN); **Zhaigu Fu**, Zhuhai (CN); **Zhaoyang Wu**, Zhuhai (CN); **Jiaying Tan**, Zhuhai (CN); **Junyi Zhou**, Zhuhai (CN); **Huihui Wang**, Zhuhai (CN); **Jianming Guan**, Zhuhai (CN); **Jianfeng Lin**, Zhuhai (CN); **Qingfeng Zhang**, Zhuhai (CN); **Xusheng Chen**, Zhuhai (CN); **Min Zhang**, Zhuhai (CN); **Ningning Han**, Zhuhai (CN); **Jiahua Liu**, Zhuhai (CN); **Kangquan Xu**, Zhuhai (CN); **Qingqing Cai**, Zhuhai (CN)

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

(21) Appl. No.: **35/506,187**

(22) Filed: **Nov. 8, 2018**

(80) **Hague Agreement Data**

Int. Filing Date: **Nov. 8, 2018**
Int. Reg. No.: **DM/103872**
Int. Reg. Date: **Nov. 8, 2018**
Int. Reg. Pub. Date: **Dec. 7, 2018**

(30) **Foreign Application Priority Data**

May 15, 2018 (CN) 2018 3 0221265

(51) **LOC (12) Cl.** **23-04**

(52) **U.S. Cl.**
USPC **D23/333**

(58) **Field of Classification Search**
USPC D23/355–366, 369, 332, 352, 333, 335, D23/336, 342, 351

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D698,429 S * 1/2014 Jorgensen D23/366
D772,391 S * 11/2016 Zimmerli D23/366

(Continued)

Primary Examiner — Khawaja Anwar

(74) *Attorney, Agent, or Firm* — W&K IP

(57) **CLAIM**

The ornamental design for an air humidifier, as shown and described.

DESCRIPTION

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.

FIG. 1.1 is a perspective view of first embodiment of an air humidifier showing my new design;

FIG. 1.2 is a front view thereof;

FIG. 1.3 is a back view thereof;

FIG. 1.4 is a left side view thereof;

FIG. 1.5 is a right side view thereof;

FIG. 1.6 is atop plan view thereof;

FIG. 1.7 is a bottom plan view thereof;

FIG. 2.1 is a perspective view of second embodiment of an air humidifier showing my new design;

FIG. 2.2 is a front view thereof;

FIG. 2.3 is a back view thereof;

(Continued)

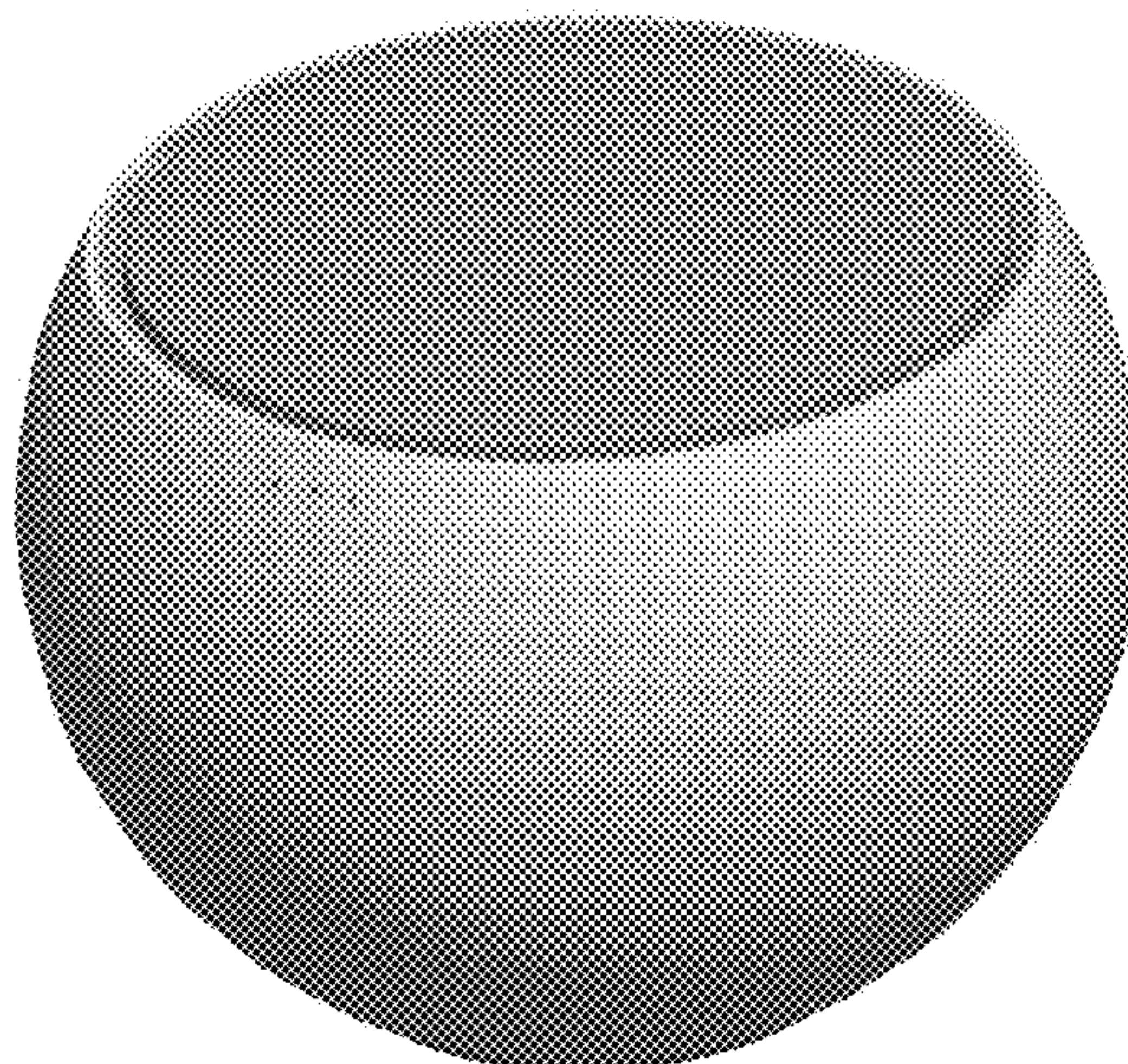


FIG. 2.4 is a left side view thereof;
FIG. 2.5 is a right side view thereof;
FIG. 2.6 is a top plan view thereof;
FIG. 2.7 is a bottom plan view thereof;
FIG. 3.1 is a perspective view of third embodiment of an air humidifier showing my new design;
FIG. 3.2 is a front view thereof;
FIG. 3.3 is a back view thereof;
FIG. 3.4 is a left side view thereof;
FIG. 3.5 is a right side view thereof;
FIG. 3.6 is a top plan view thereof; and
FIG. 3.7 is a bottom plan view thereof.

1 Claim, 21 Drawing Sheets
(21 of 21 Drawing Sheet(s) Filed in Color)

(58) **Field of Classification Search**
CPC .. F24F 11/30; F24F 11/46; F24F 11/56; F24F 11/52; F24F 2110/00; F24F 11/58; F24F 11/62; F24F 2110/10; F24F 2140/60; F24F 11/61; F24F 11/63; F24F 2120/10; F24F 2120/20; F24F 11/83; F24F 11/89; F24F 2110/12; F24F 11/0001; F24F 11/32; F24F 11/39; F24F 11/47; F24F 11/523; F24F 11/64; F24F 11/81; F24F 11/85; F24F 13/04; F24F 13/065; F24F

1/0003; F24F 1/0014; F24F 1/0033; F24F 1/0035; F24F 1/005; F24F 1/38; F24F 2003/0446; F24F 2003/144; F24F 2003/1617; F24F 2006/006; F24F 2006/065; F24F 2011/0002; F24F 2110/20; F24F 2110/50; F24F 2120/12; F24F 2130/00; F24F 2130/10; F24F 2130/40; F24F 2140/10; F24F 2140/40; F24F 2221/32; F24F 3/001; F24F 3/044; F24F 3/14; F24F 3/1417; F24F 3/1603; F24F 5/001; F24F 6/06; F24F 6/10; F24F 6/12; F24F 6/16

See application file for complete search history.

(56)

References Cited

U.S. PATENT DOCUMENTS

D828,534	S	*	9/2018	Hu		D23/366
D836,188	S	*	12/2018	Li		D23/356
D848,594	S	*	5/2019	Chen		D23/356
D853,549	S	*	7/2019	Partrat		D23/366
D855,784	S	*	8/2019	Seo		D23/358
D861,847	S	*	10/2019	Li		D23/366
D862,671	S	*	10/2019	Zhou		D23/356
D864,371	S	*	10/2019	Chen		D23/366
D865,930	S	*	11/2019	Bradley		D23/356

* cited by examiner



FIG. 1.1



FIG. 1.2



FIG. 1.3



FIG. 1.4



FIG. 1.5

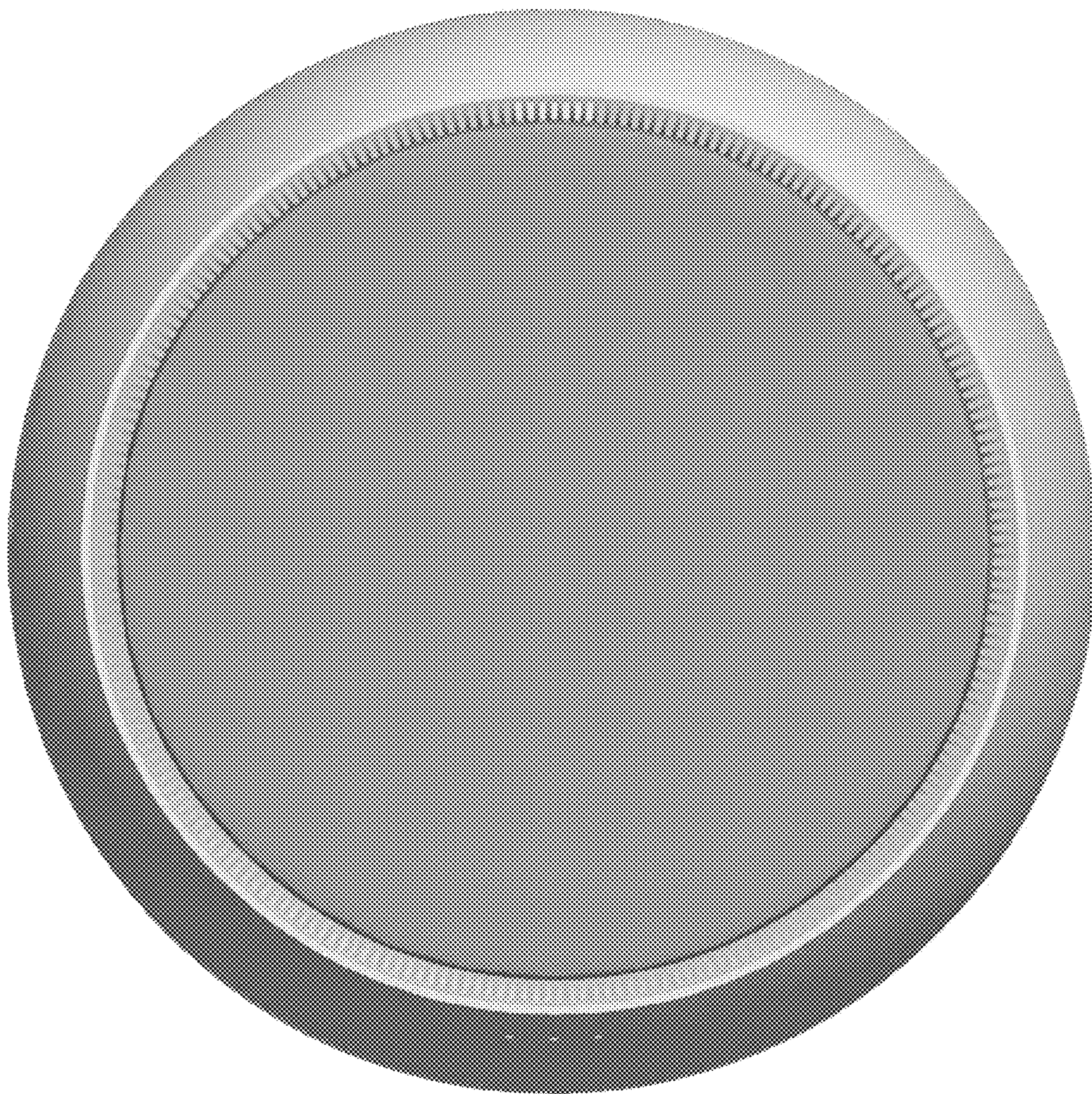


FIG. 1.6

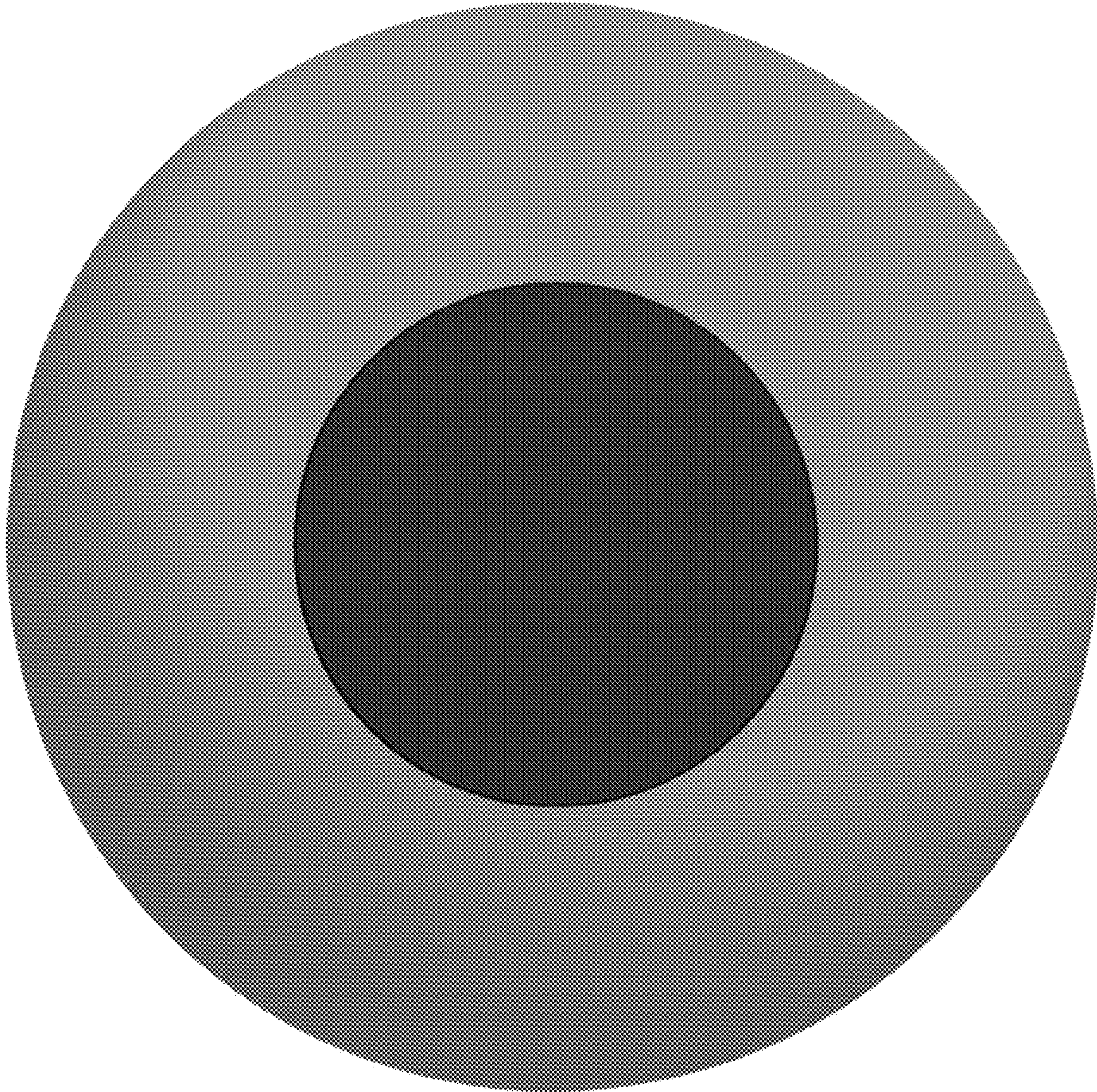


FIG. 1.7

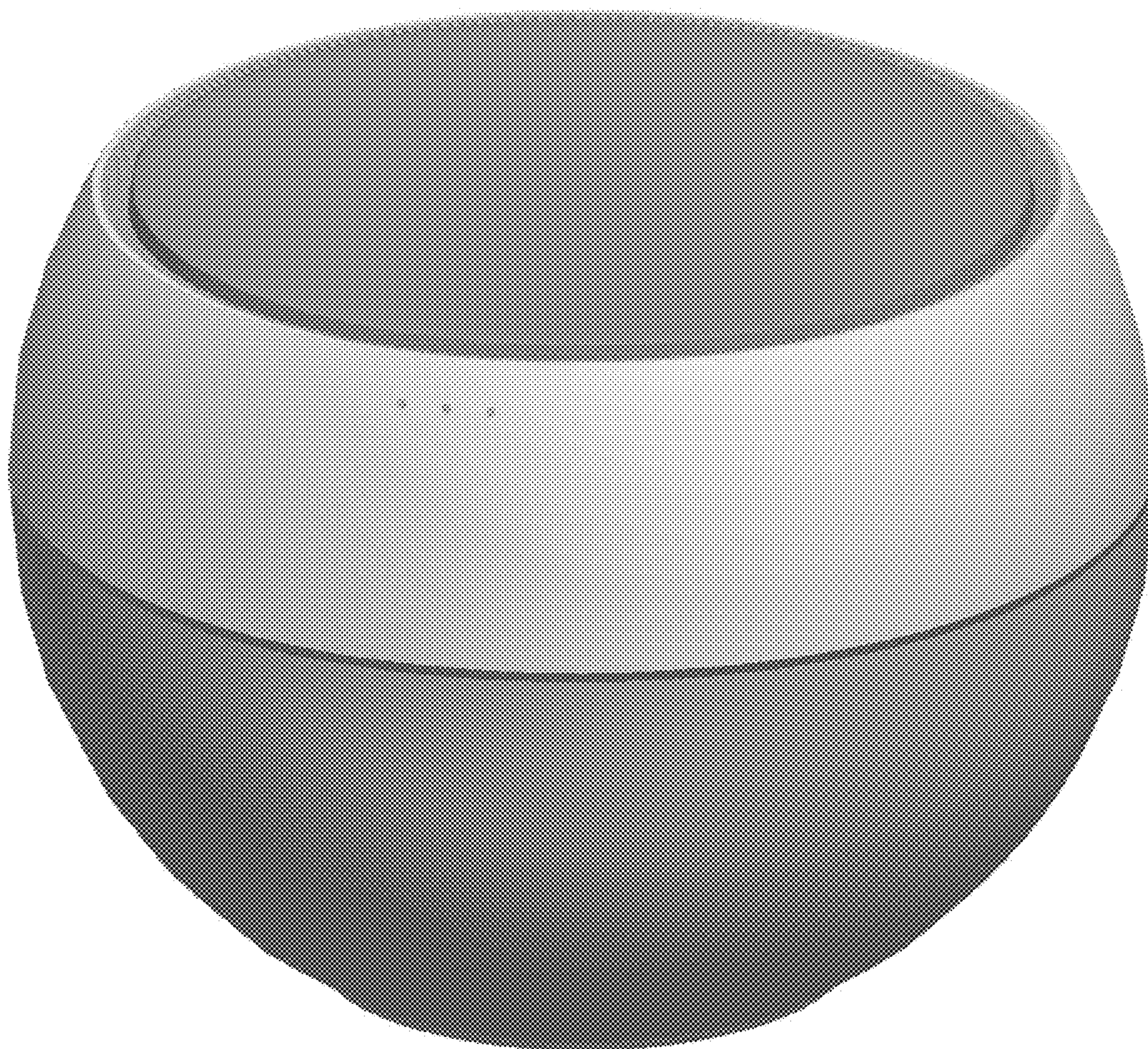


FIG. 2.1

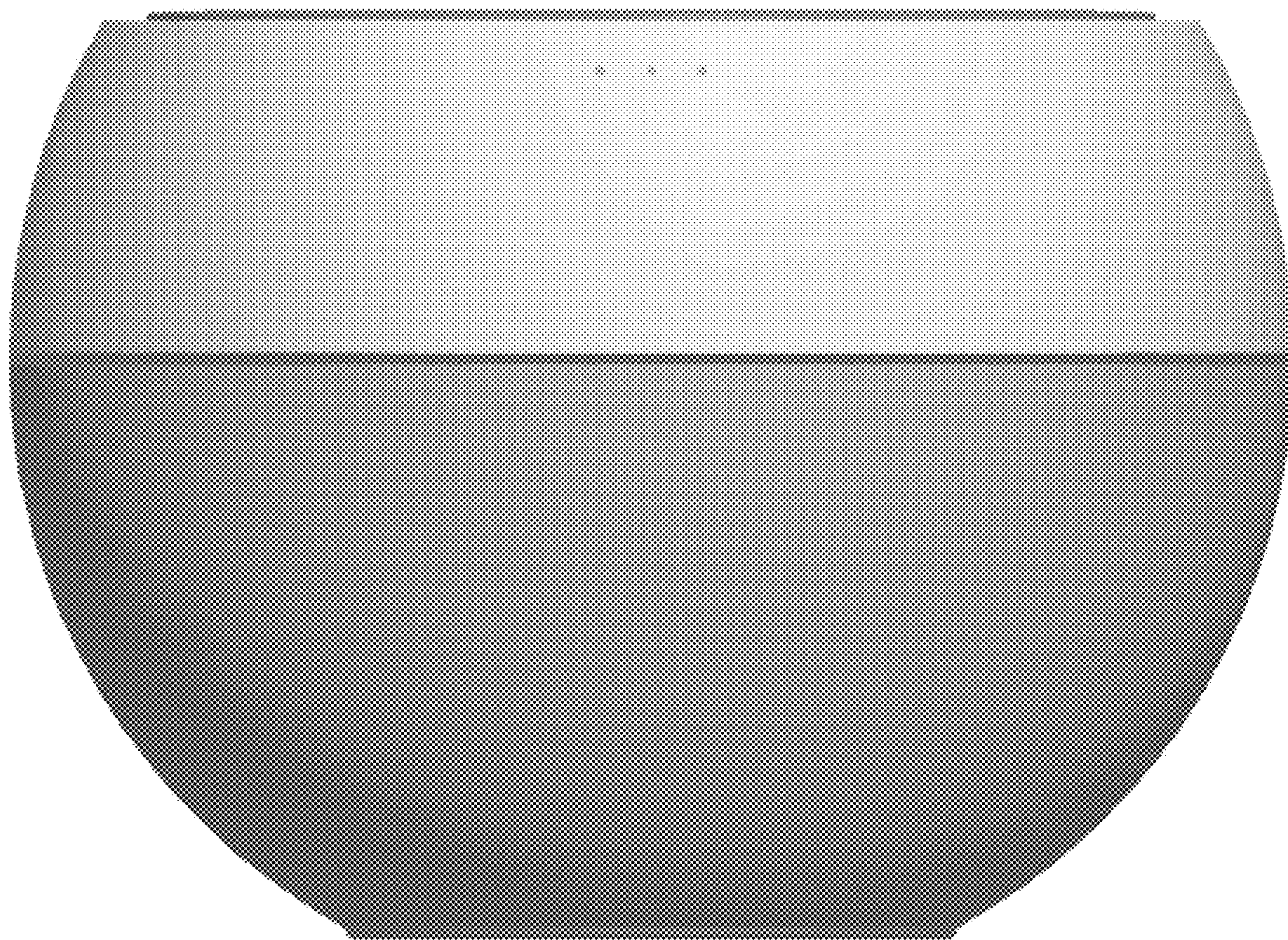


FIG. 2.2

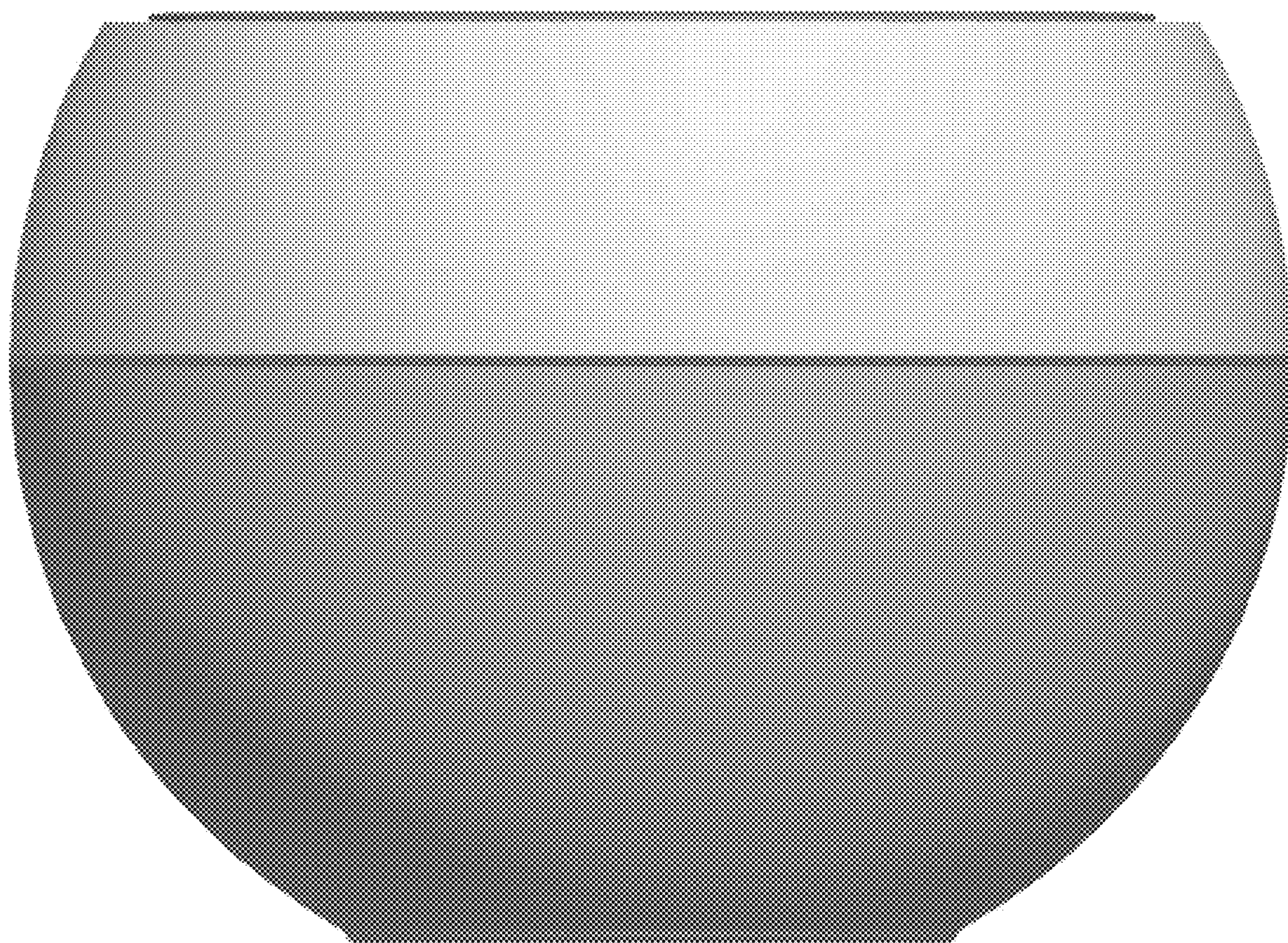


FIG. 2.3

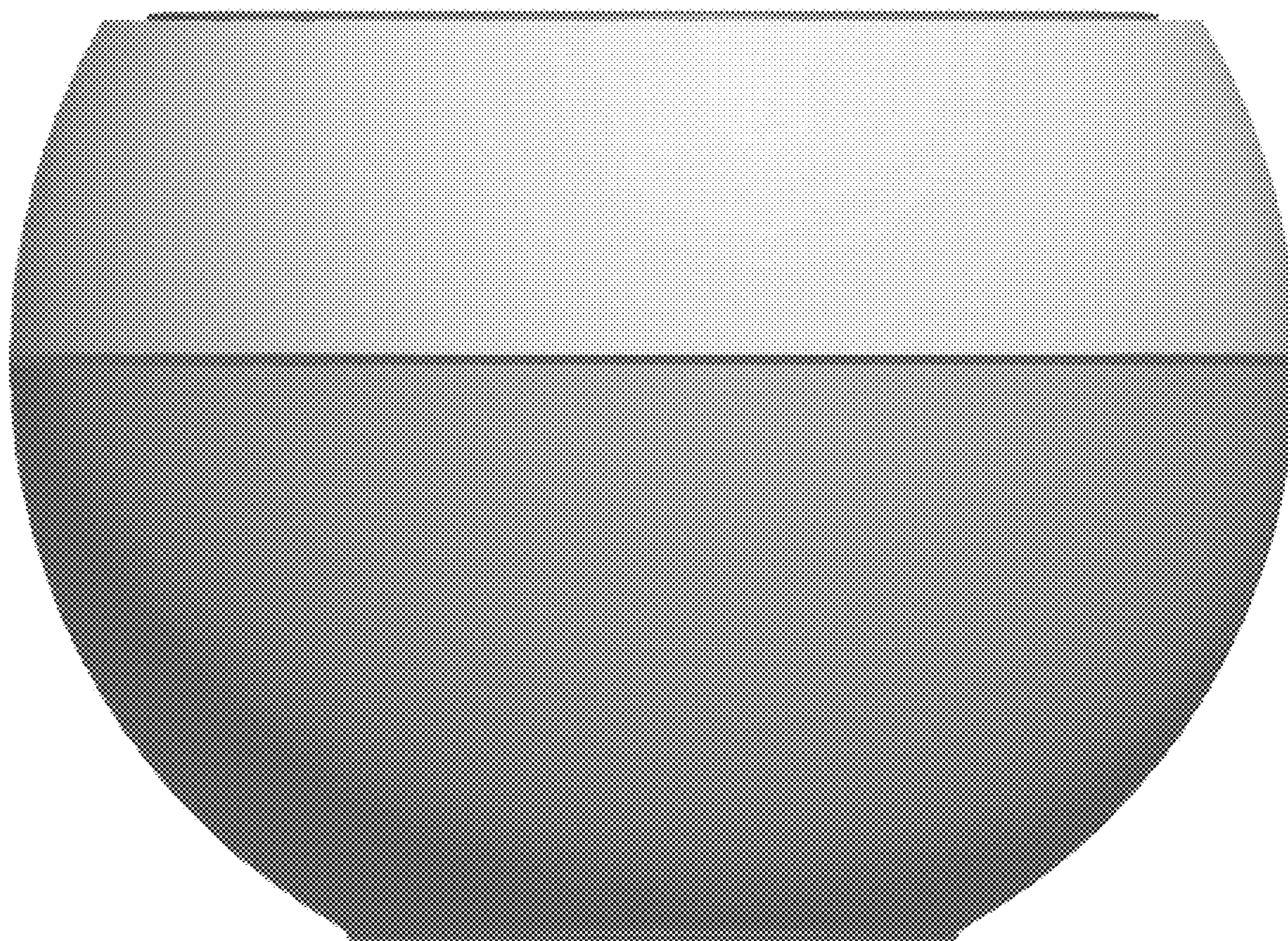


FIG. 2.4

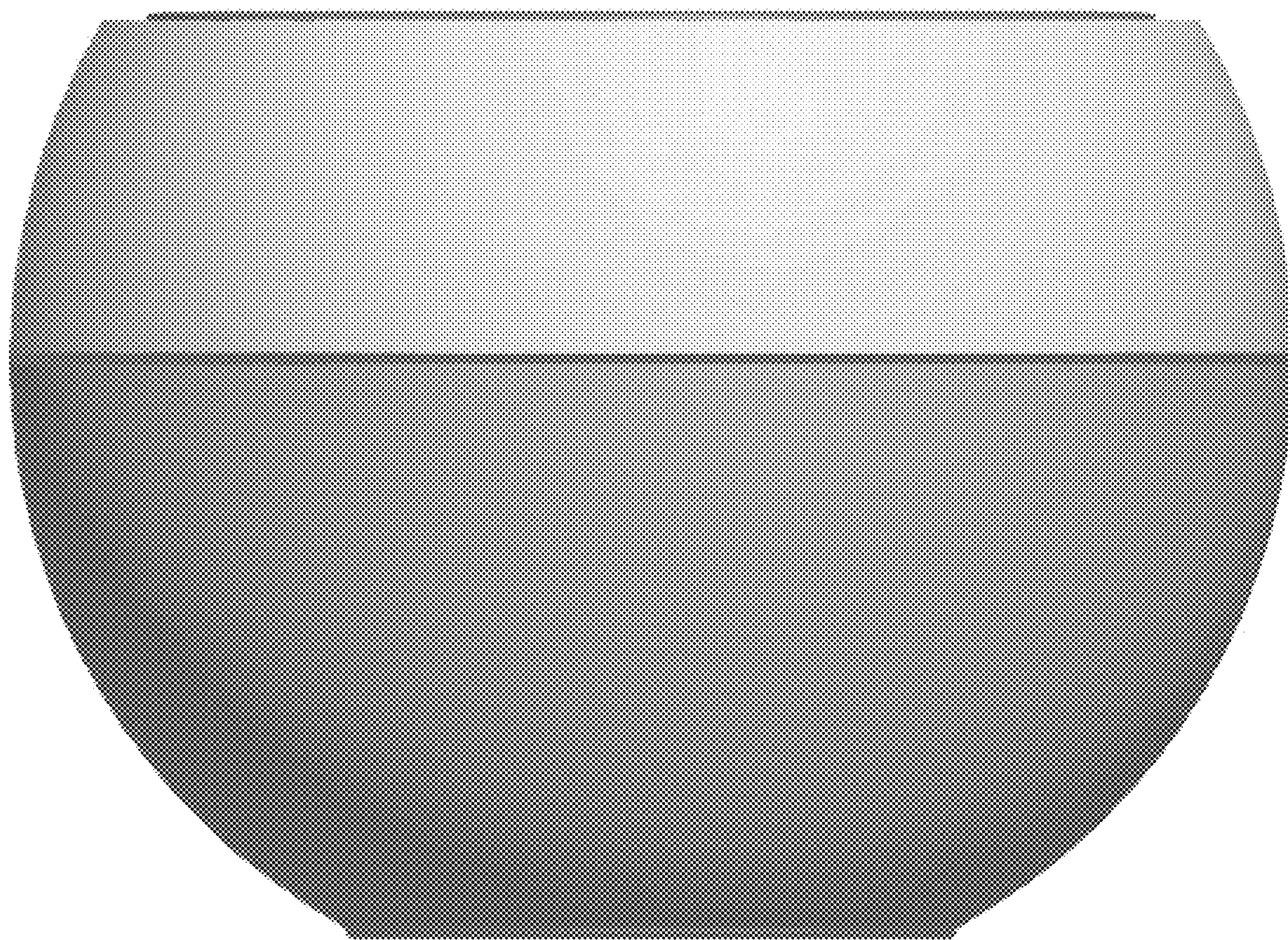


FIG. 2.5

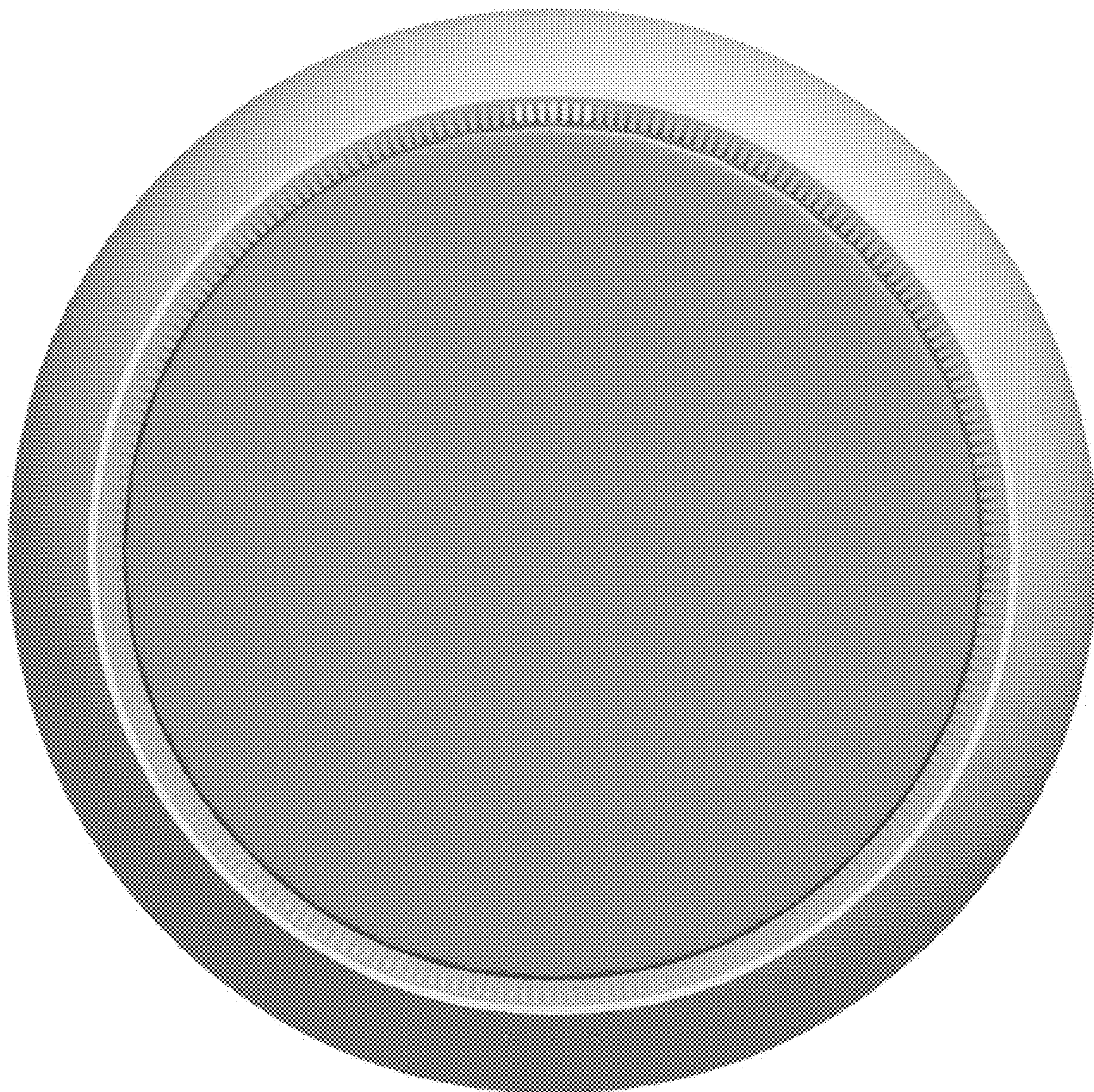


FIG. 2.6

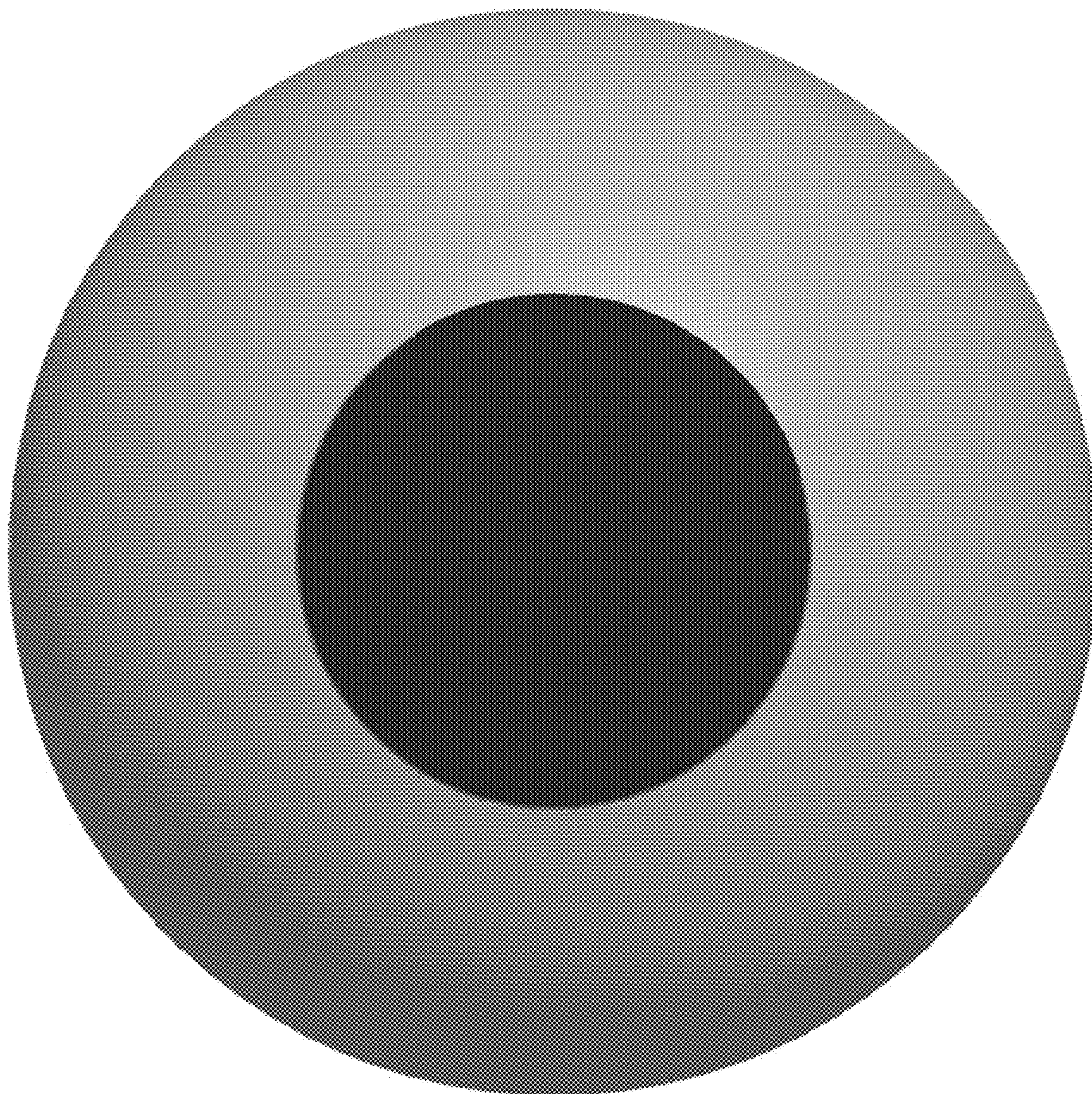


FIG. 2.7



FIG. 3.1



FIG. 3.2

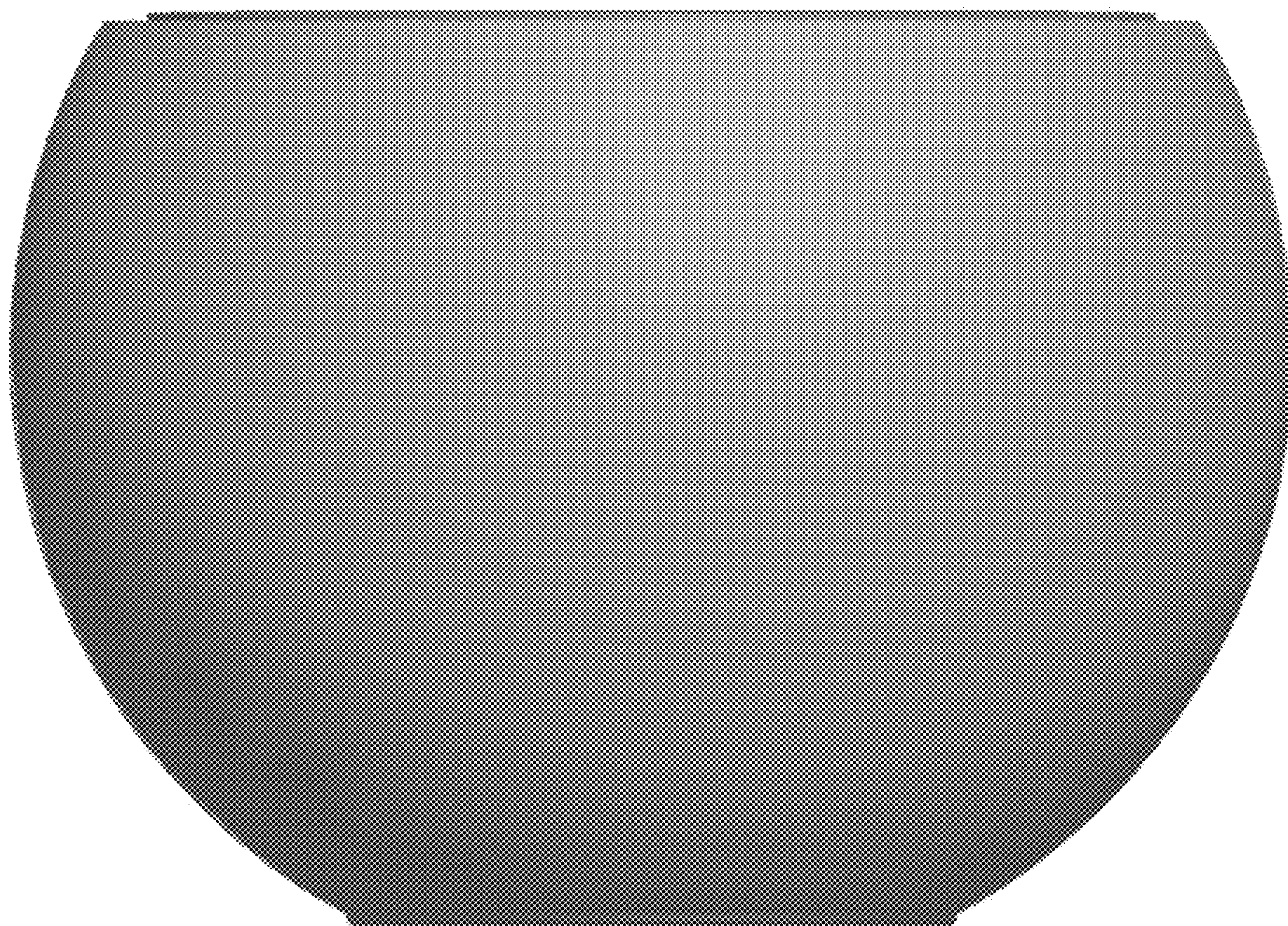


FIG. 3.3

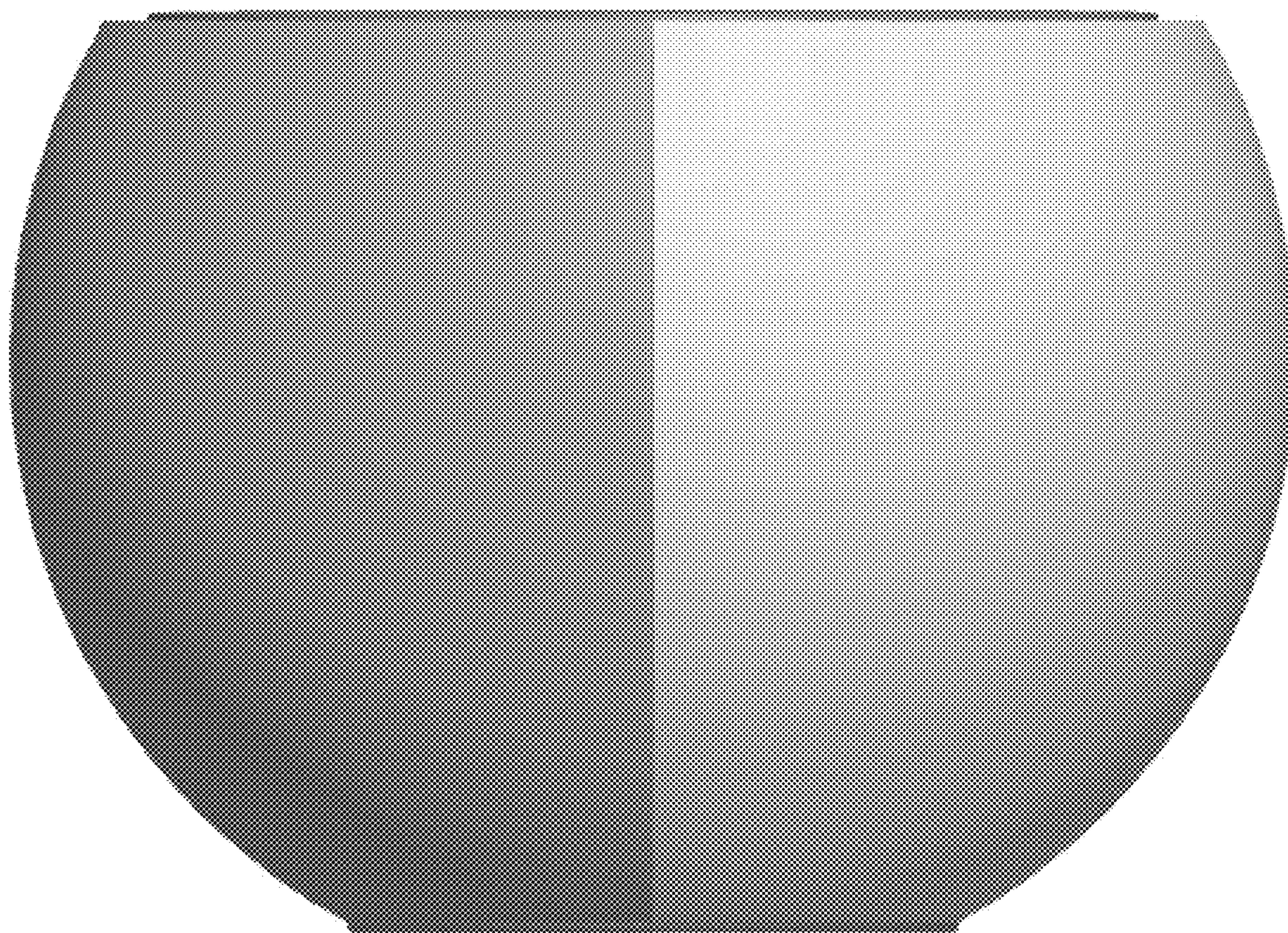


FIG. 3.4

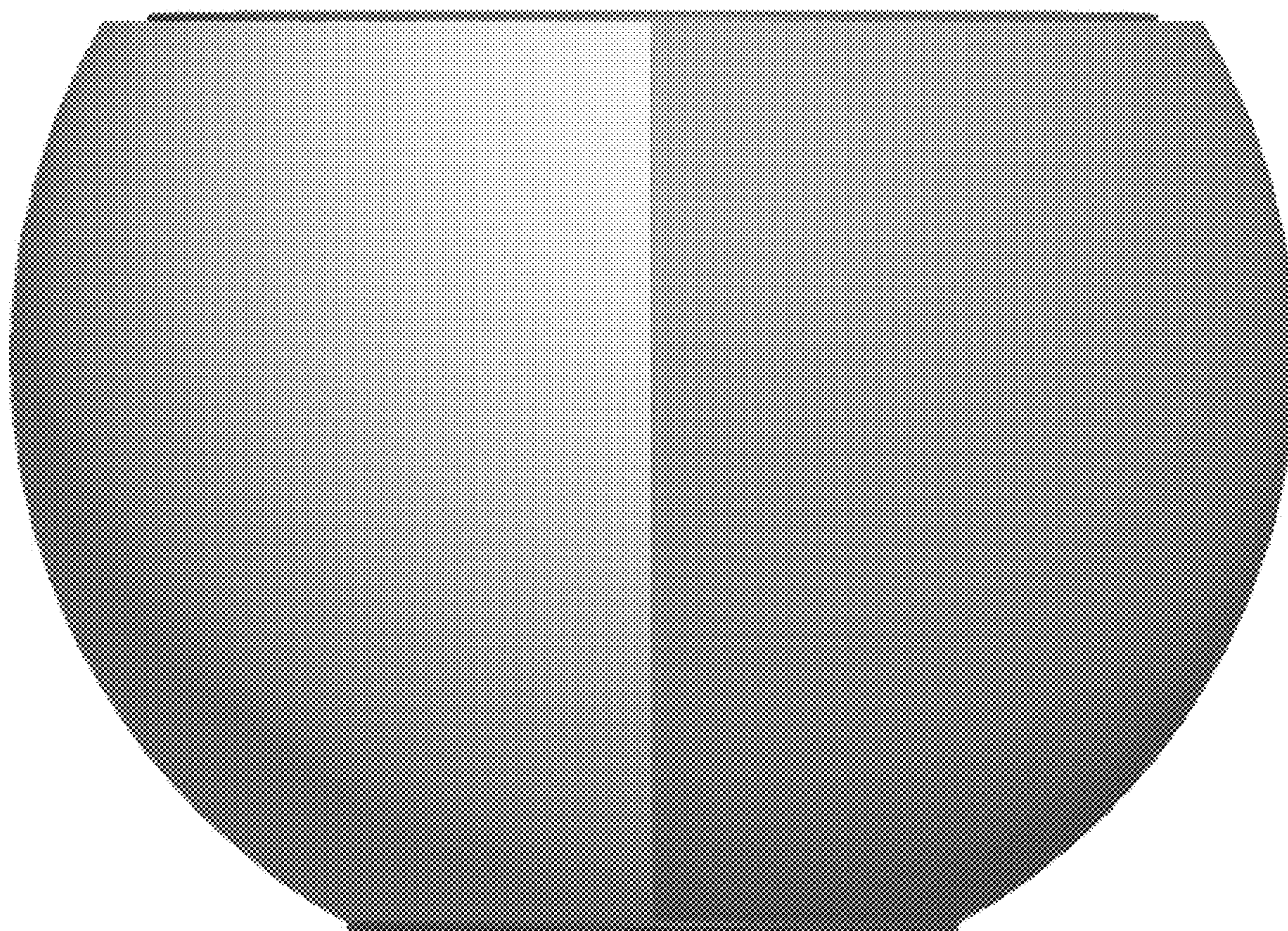


FIG.3.5

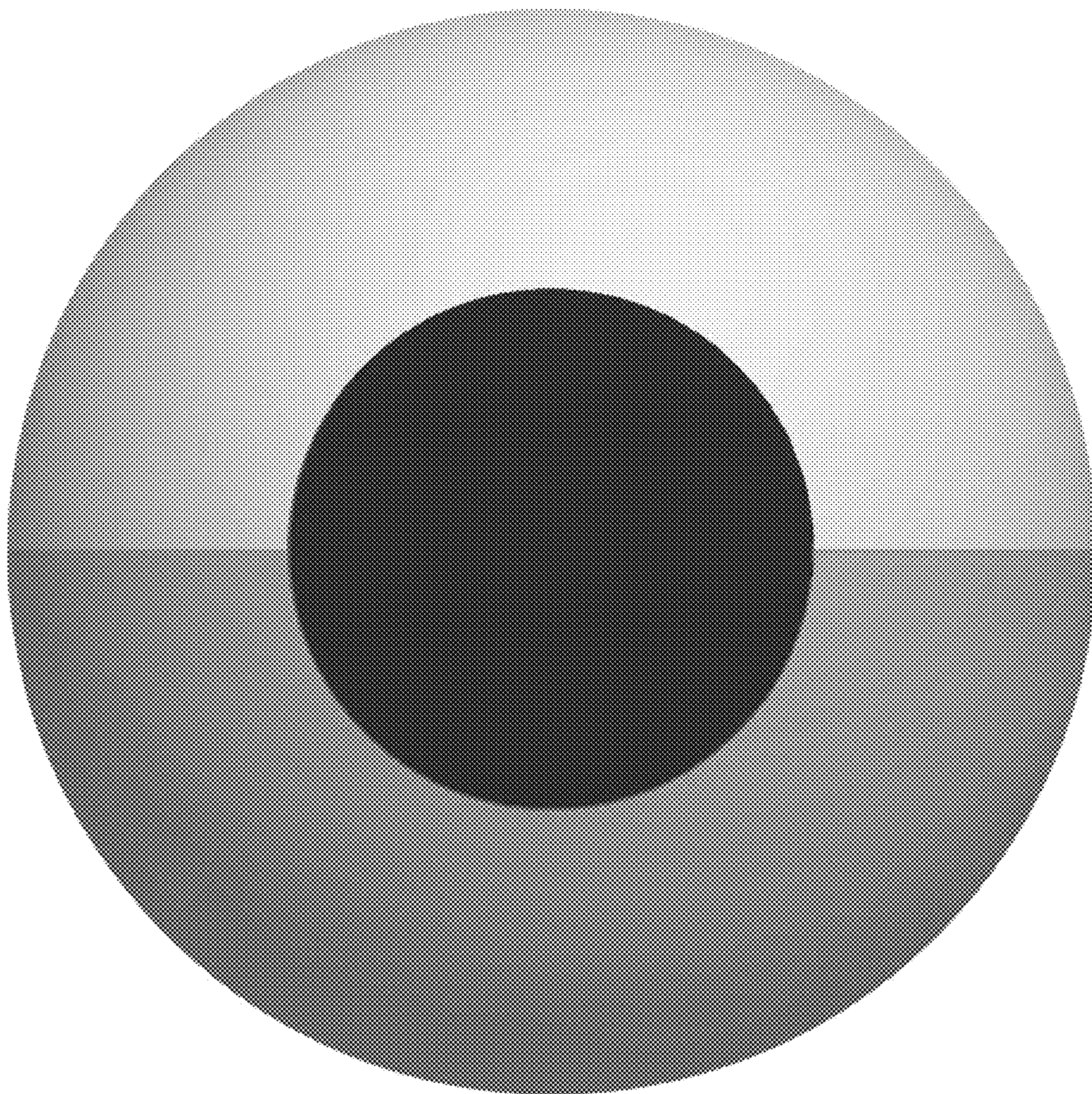


FIG. 3.6

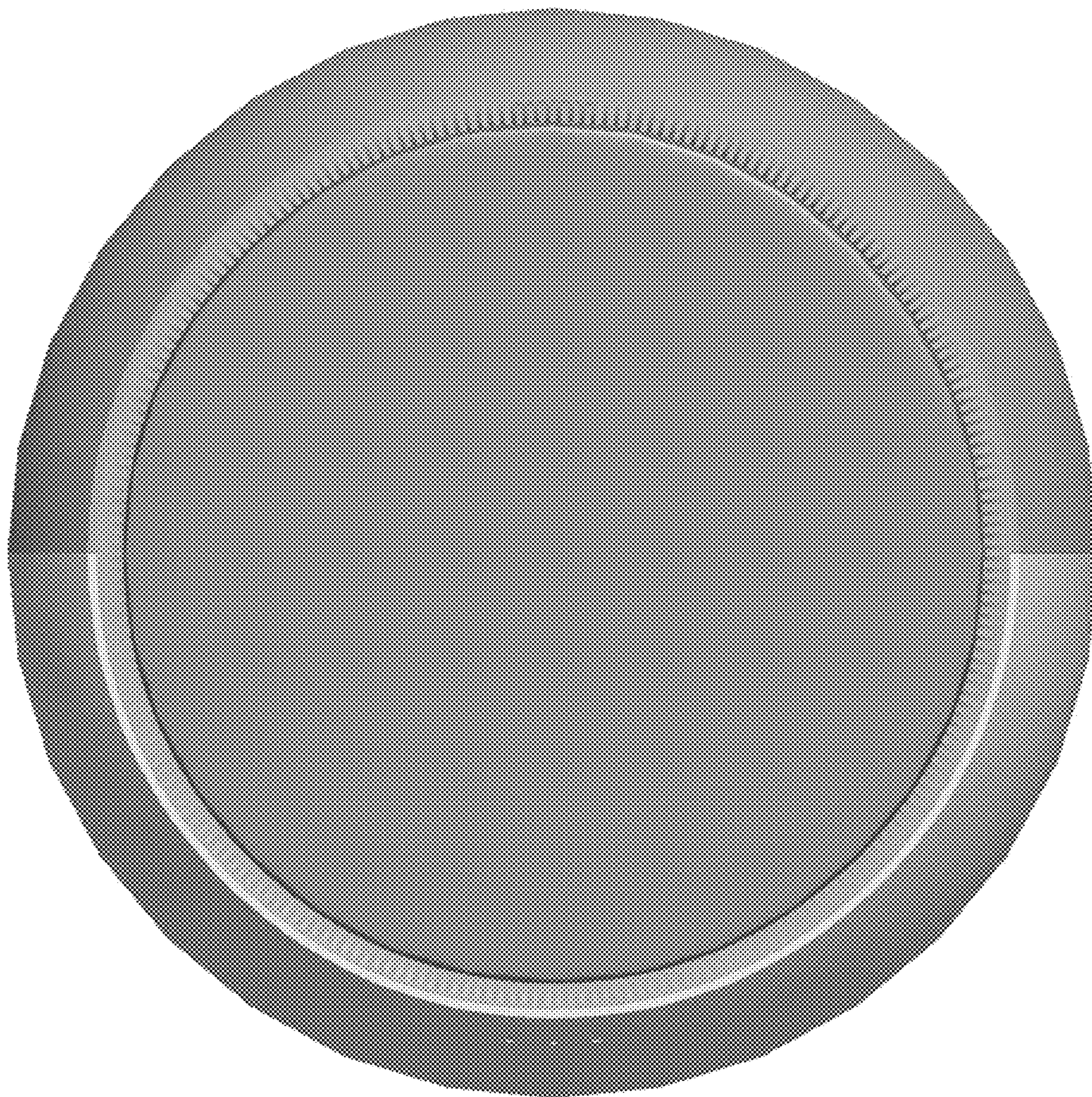


FIG. 3.7