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(12) **United States Design Patent**  
**Iyasu et al.**

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(54) **VESSEL FOR A SOLID WATER TREATMENT AGENT**

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(52) **U.S. Cl.**  
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CPC ..... **C02F 1/50 (2013.01)**

(58) **Field of Classification Search**  
USPC ..... D23/207, 209, 227, 270, 449, 202-205  
CPC ..... C02F 1/00; C02F 1/50  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

4,630,634 A \* 12/1986 Sasaki ..... C02F 1/688  
137/268  
D295,438 S \* 4/1988 Bray ..... D23/207

D318,091 S \* 7/1991 Sherman ..... D23/209  
D318,094 S \* 7/1991 Sherman ..... D23/209  
5,053,205 A \* 10/1991 Taylor ..... C02F 1/688  
210/167.11  
D407,462 S \* 3/1999 Bishop ..... D23/207  
D438,932 S \* 3/2001 McKinney ..... D23/207  
D439,304 S \* 3/2001 Tilp ..... D23/209  
D451,979 S \* 12/2001 VanErdewyk ..... D23/208  
D454,615 S \* 3/2002 Neal ..... D23/209  
D506,806 S \* 6/2005 St-Hilaire ..... D23/209  
D510,757 S \* 10/2005 Donald ..... D23/203  
D519,186 S \* 4/2006 Oranski ..... D23/209  
D559,943 S \* 1/2008 Mercer ..... D23/207  
7,497,947 B2 \* 3/2009 Knighton ..... C02F 1/50  
210/198.1  
D621,001 S \* 8/2010 Maziel ..... D23/209  
D630,705 S \* 1/2011 Rossano ..... D23/208

(Continued)

**FOREIGN PATENT DOCUMENTS**

JP 2018-30063 A 3/2018  
TW 201806834 A 3/2018  
WO WO 2018/038090 A1 3/2018

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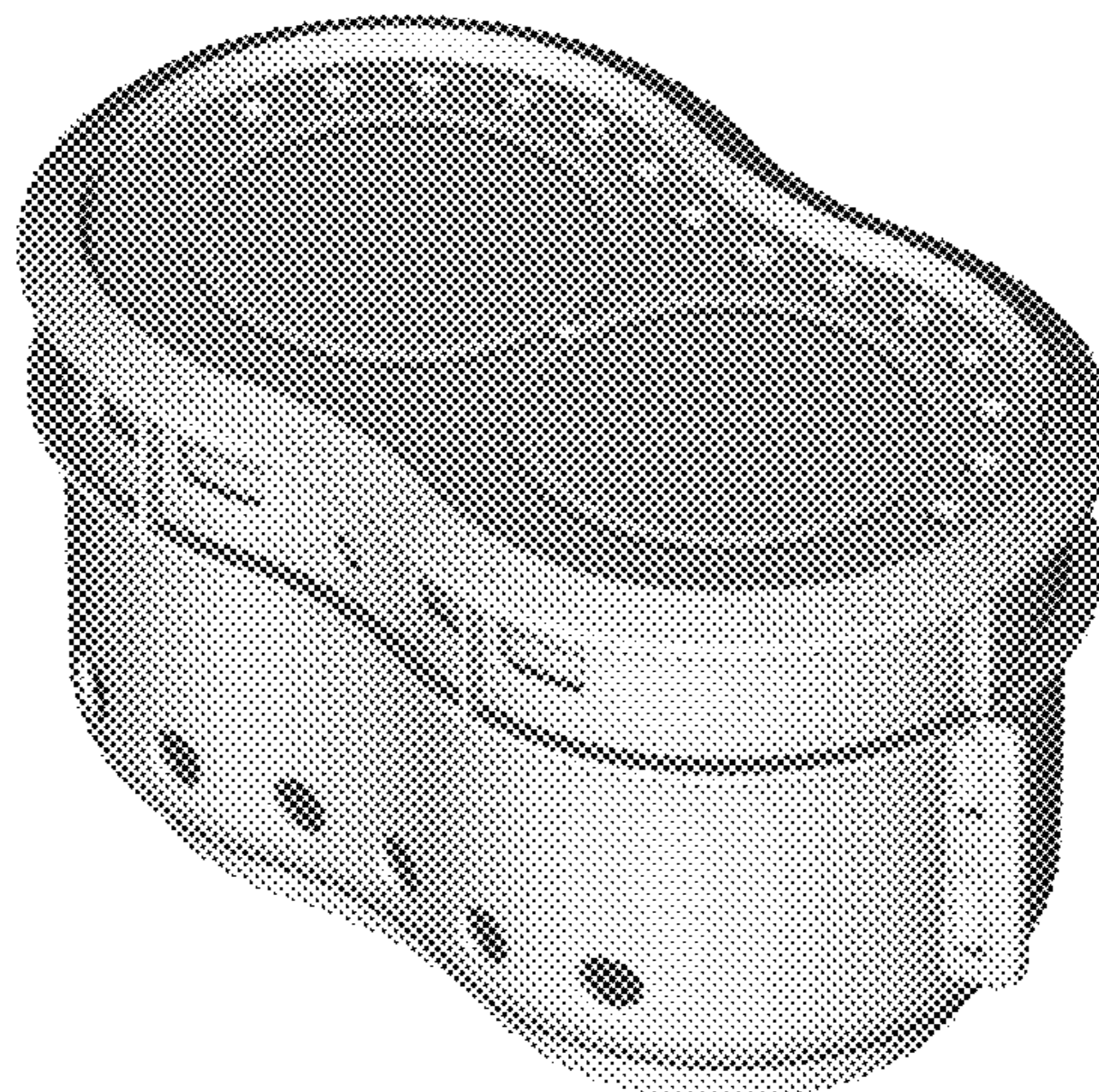
(57) **CLAIM**

The ornamental design for a vessel for a solid water treatment agent.

**DESCRIPTION**

FIG. 1.1 is a perspective view of the top of a vessel for a solid water treatment agent showing our new design; FIG. 1.2 is a perspective view of the bottom; FIG. 1.3 is a front view thereof; FIG. 1.4 is a back view thereof; FIG. 1.5 is a top view thereof; FIG. 1.6 is a bottom view thereof; FIG. 1.7 is a left view thereof; and FIG. 1.8 is a right view thereof.

**1 Claim, 8 Drawing Sheets**



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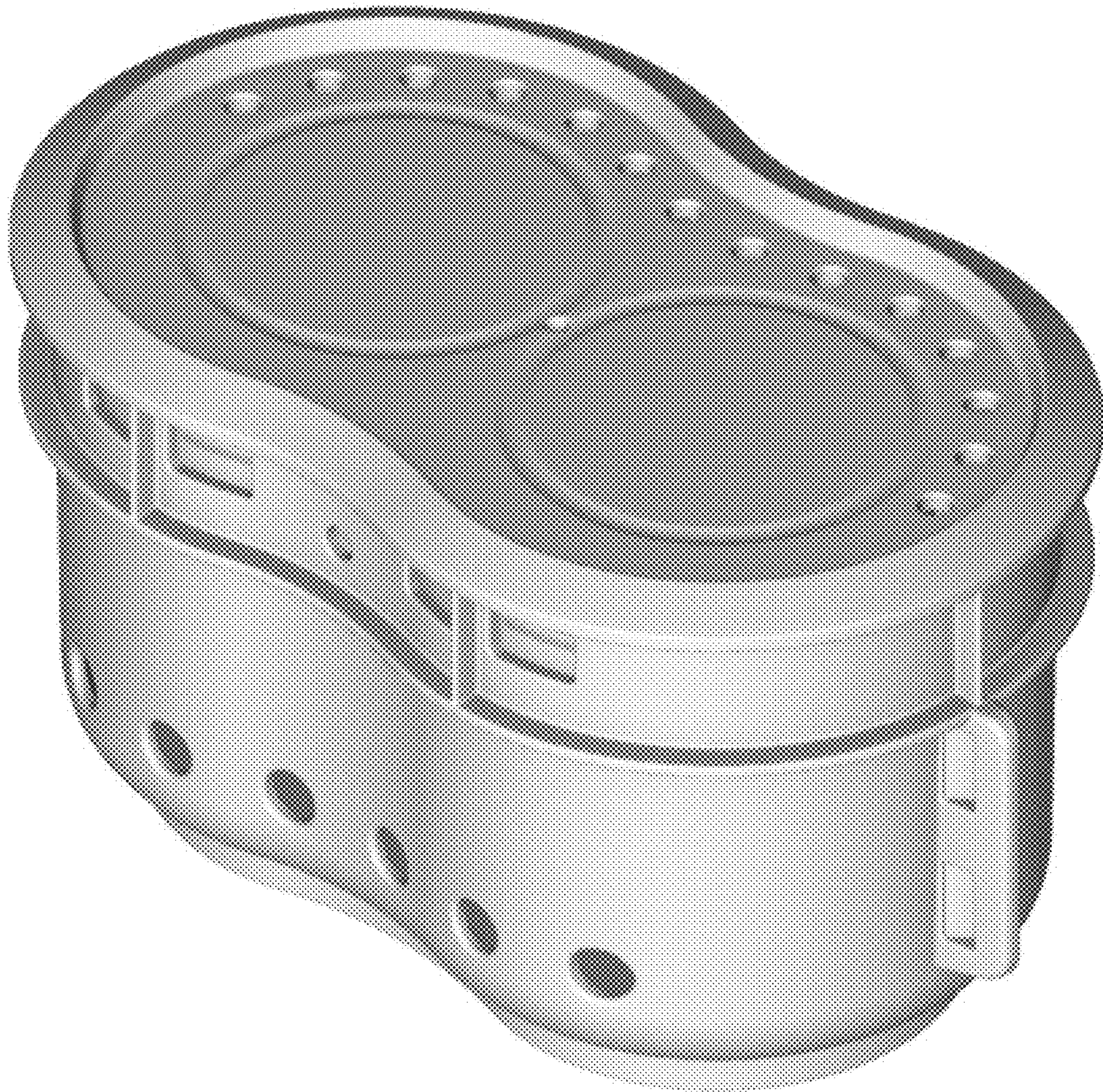
**References Cited**

U.S. PATENT DOCUMENTS

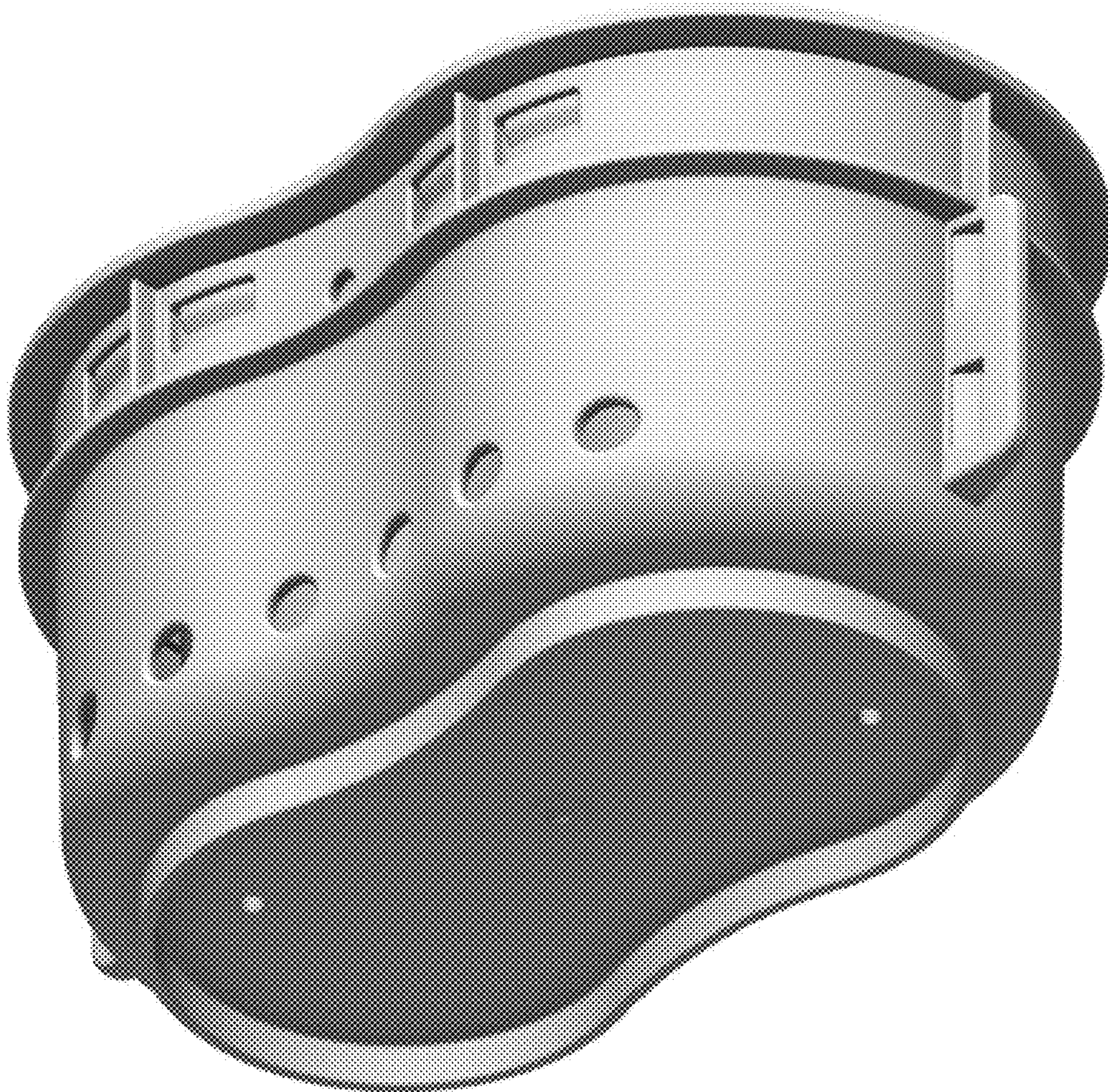
7,922,982	B1 *	4/2011	Brennan	.....	C02F 1/688 210/167.11
D639,900	S *	6/2011	Buzanowski	.....	D23/209
D639,901	S *	6/2011	Buzanowski	.....	D23/209
D640,347	S *	6/2011	Buzanowski	.....	D23/209
D656,578	S *	3/2012	Sherman	.....	D23/209
D656,579	S *	3/2012	Sherman	.....	D23/209
D668,741	S *	10/2012	Choi	.....	D23/209
D716,429	S *	10/2014	Carter	.....	D23/365
D716,430	S *	10/2014	Carter	.....	D23/365
D716,431	S *	10/2014	Carter	.....	D23/365
D727,461	S *	4/2015	Abraham	.....	D23/209
D736,344	S *	8/2015	Chalifoux	.....	D23/208
D751,168	S *	3/2016	Takeda	.....	D23/207
D751,169	S *	3/2016	Takeda	.....	D23/207
D760,346	S *	6/2016	Davis, III	.....	D23/207
D794,160	S *	8/2017	Hui	.....	D23/207
D795,999	S *	8/2017	Downie	.....	D23/209
D802,083	S *	11/2017	Lee	.....	D23/207
D808,496	S *	1/2018	Raymond, Jr.	.....	D23/207
10,079,504	B2 *	9/2018	Hui	.....	H02S 10/40
D849,209	S *	5/2019	Sapara, Jr.	.....	D23/261

\* cited by examiner

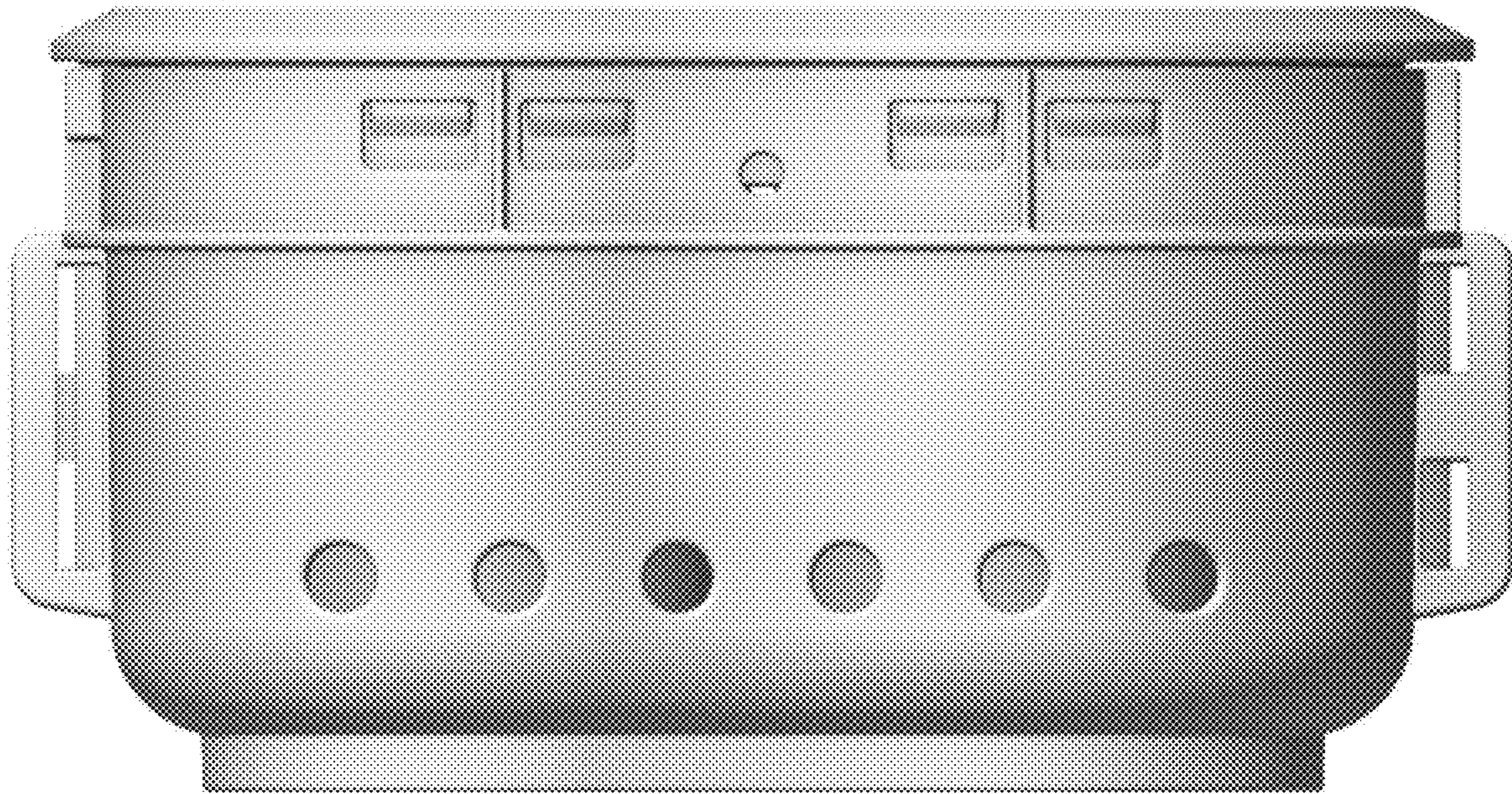
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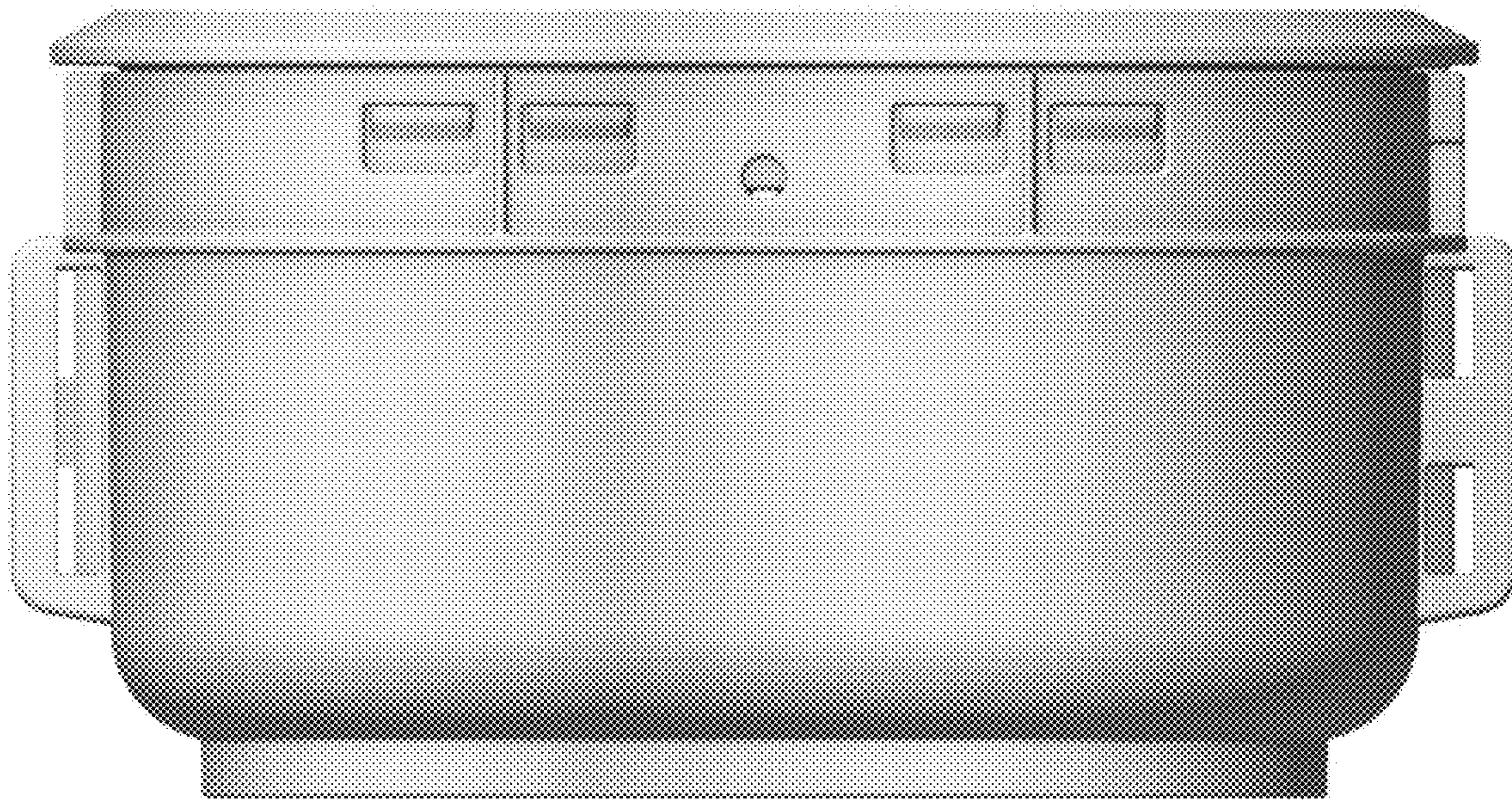
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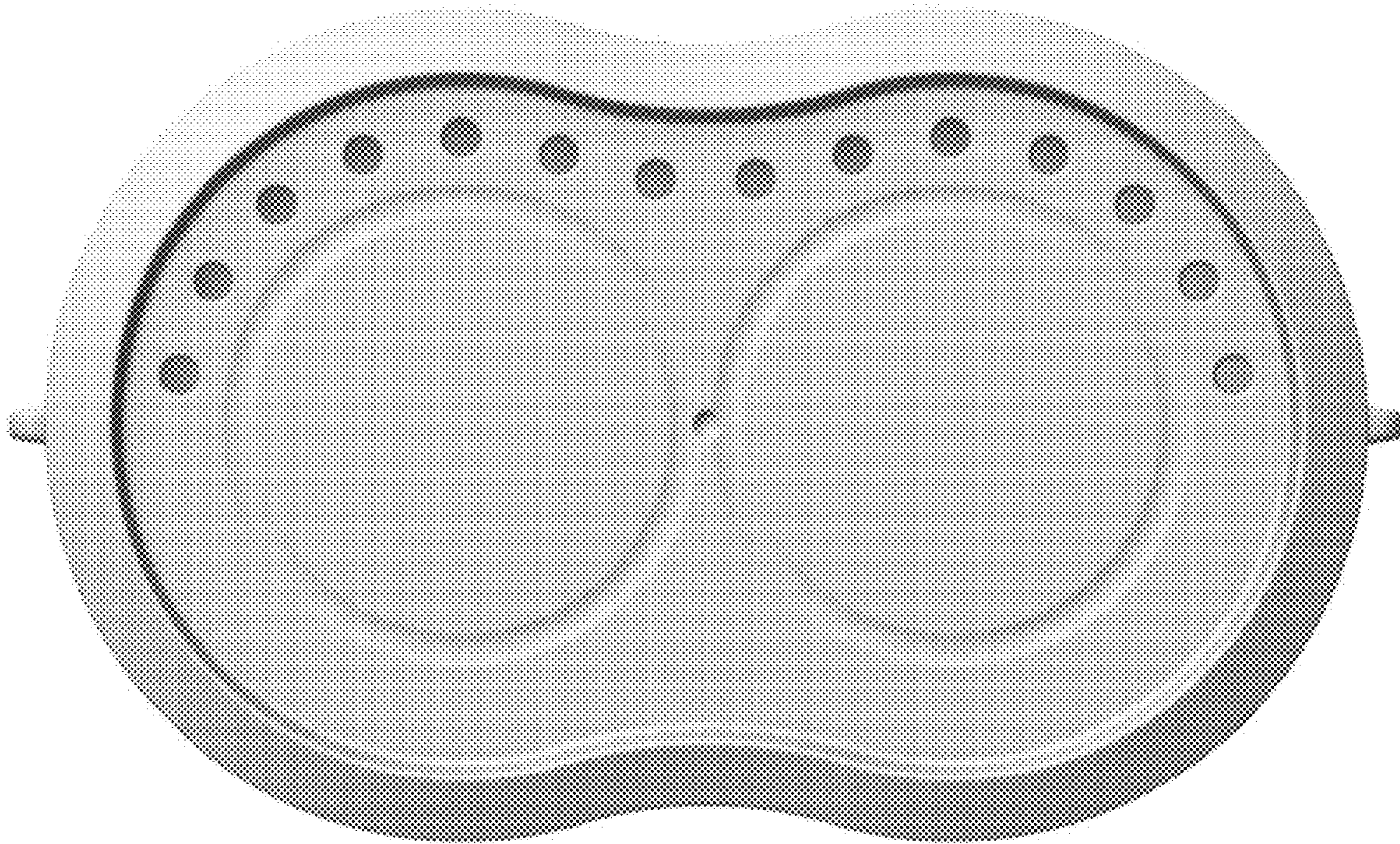
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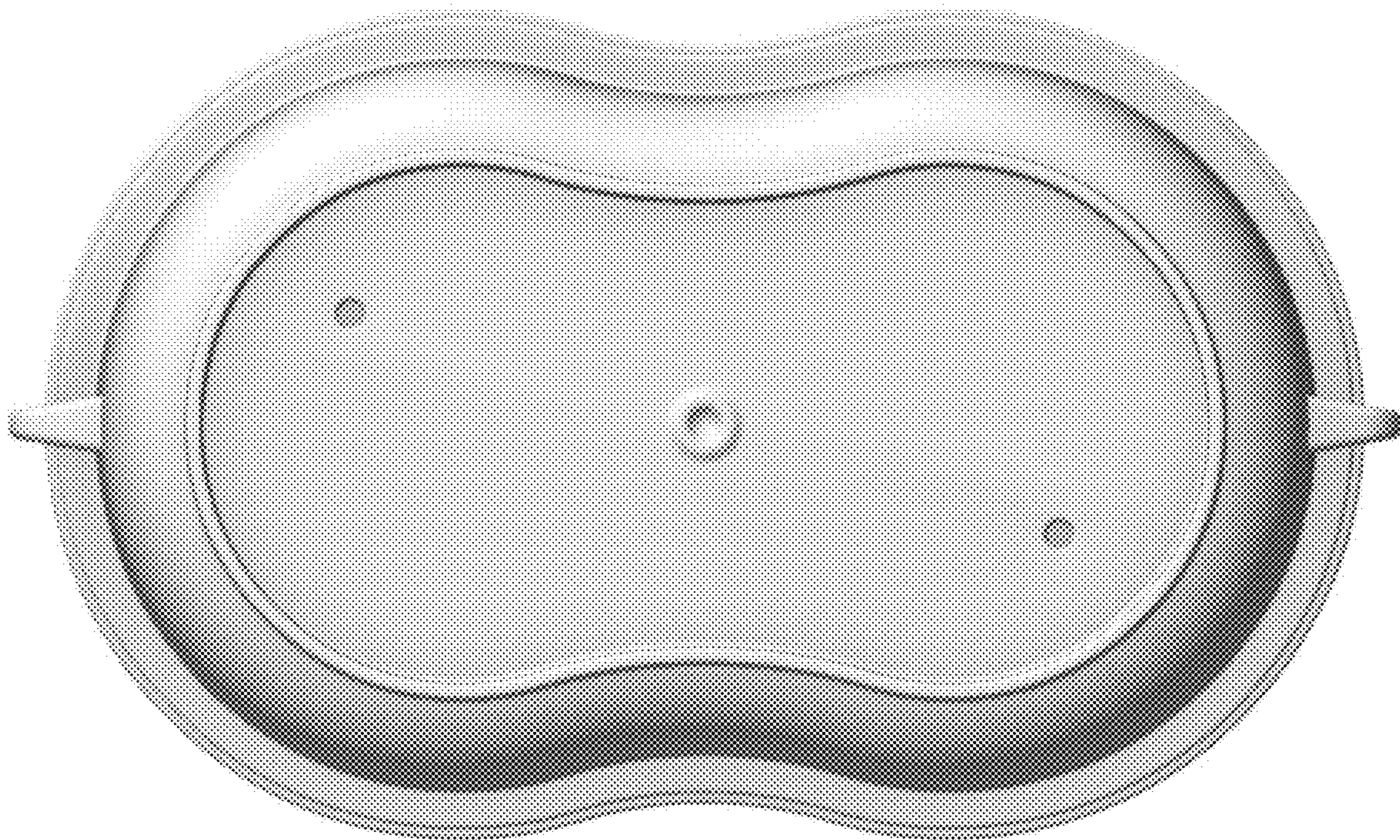
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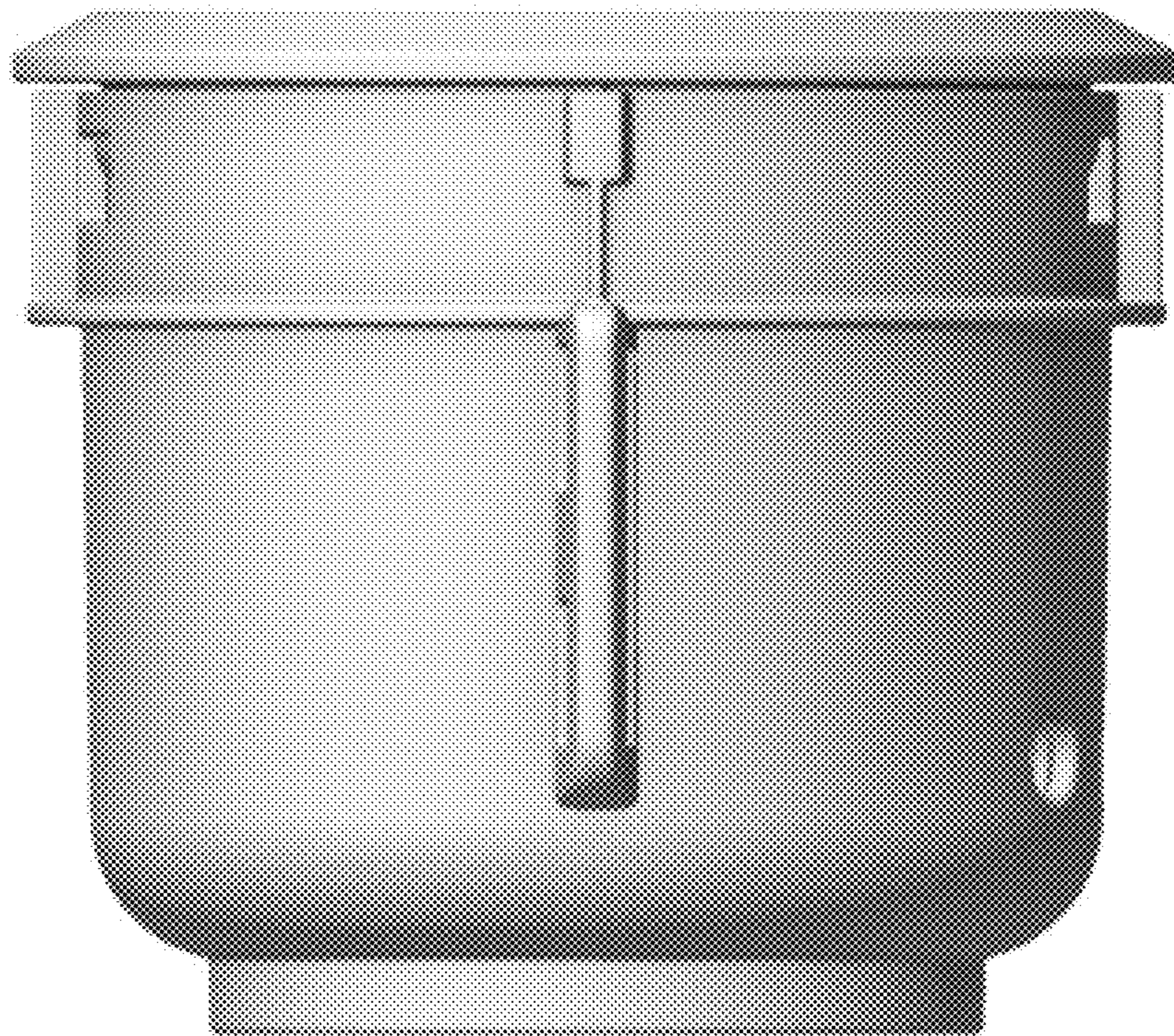


1.6





1.7



1.8

