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United States Design Patent

Dimberg et al.

(10)

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(45)

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- (54) ILLUMINATED CONTROL DEVICE
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Coopersburg, PA (US)
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- (*) Notice: This patent is subject to a terminal disclaimer.
- (**) Term: 15 Years
- (21) Appl. No.: 29/832,849
- (22) Filed: Mar. 30, 2022

Related U.S. Application Data

- (63) Continuation of application No. 29/597,335, filed on Mar. 16, 2017, now Pat. No. Des. 951,211.
- (51) LOC (14) Cl. 13-03
- (52) U.S. Cl. D13/174
USPC
- (58) Field of Classification Search
USPC D13/162, 168, 171, 173, 174
CPC .. H01H 9/02; H01H 9/16; H01H 9/18; H01H 9/181; H01H 9/182; H01H 23/02; H01H 23/025; H01H 23/04; H01H 23/08; H01H 23/12; H01H 23/14; H01H 23/145; H01H 13/023; H01H 13/04; H01H 13/06; H01H 2009/187; H05B 39/02; H05B 39/04; H05B 39/085; H05B 39/086; H05B 39/088; G08C 17/02

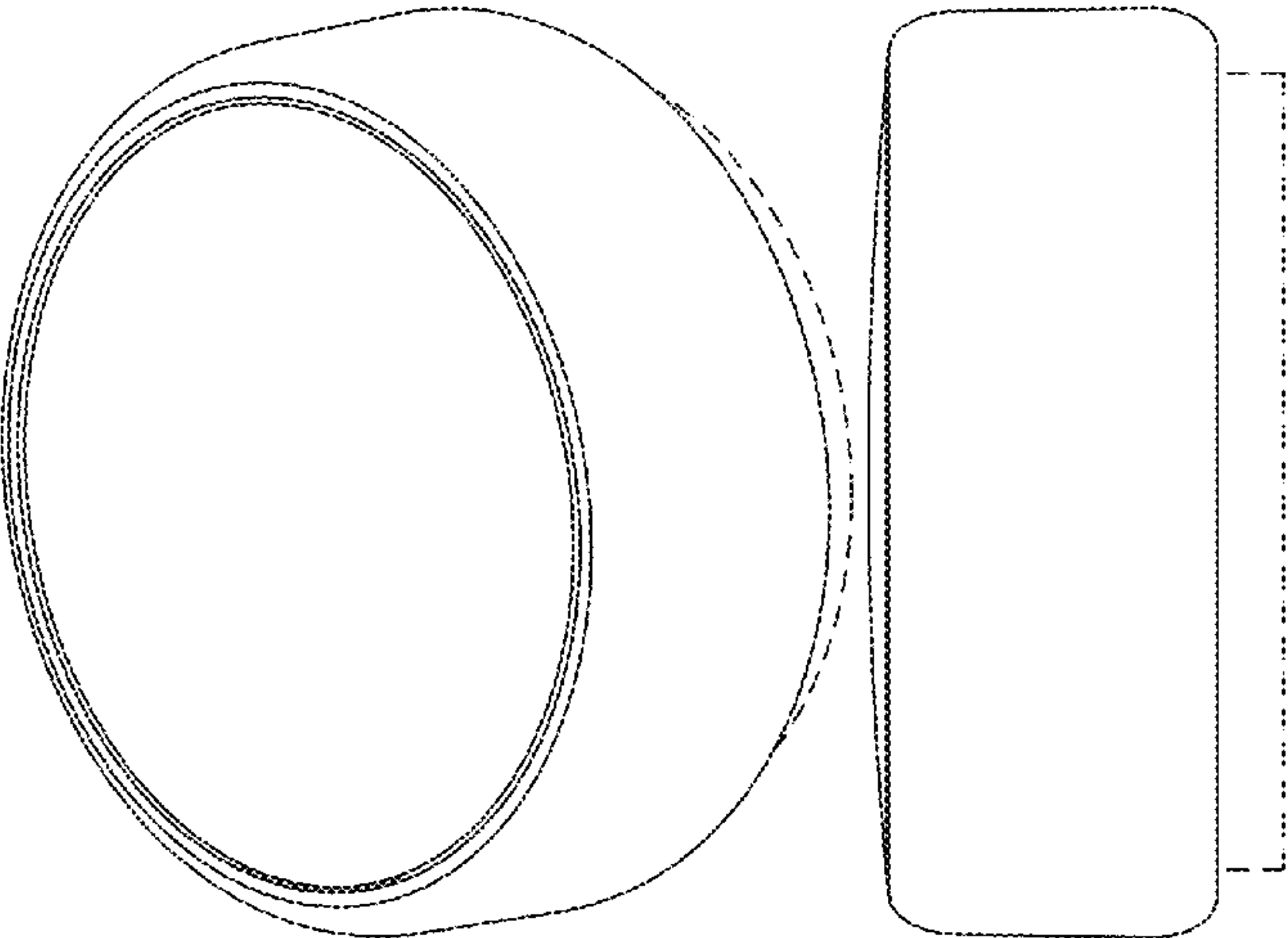
See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

D335,283 S	5/1993	Justiniano et al.
5,392,388 A	2/1995	Gibson
D544,618 S	6/2007	Coushaine
D556,938 S	12/2007	Russello et al.
D558,692 S	1/2008	Neveu

D633,231 S	2/2011	Morrison	
D633,644 S	3/2011	Sprengers	
D647,227 S	10/2011	Kaule et al.	
D669,499 S	10/2012	Gardner et al.	
8,786,196 B2	7/2014	Biery et al.	
D727,928 S	4/2015	Allison et al.	
D729,970 S	5/2015	Jepson	
D739,872 S	9/2015	Bang et al.	
D744,535 S	12/2015	Shin et al.	
D748,648 S	2/2016	Kim et al.	
D752,072 S	3/2016	Song	
D755,037 S	5/2016	Czerwinski, Jr. et al.	
D759,877 S	6/2016	Hewitt et al.	
D761,277 S	7/2016	Harvell	
D761,812 S	7/2016	Motamedi	
D762,716 S	8/2016	Yang et al.	
D763,308 S	8/2016	Wang et al.	
D776,717 S	1/2017	Asai	
D777,200 S	1/2017	Luo et al.	
D777,367 S	1/2017	Ma	
9,538,619 B2	1/2017	Swatsky et al.	
D779,977 S	2/2017	Jacob et al.	
9,565,742 B2	2/2017	Swatsky et al.	
9,633,557 B2	4/2017	Dimberg et al.	
D786,932 S	5/2017	Kim et al.	
9,746,159 B1	8/2017	Fletcher et al.	
D807,376 S	1/2018	Mizono et al.	
D808,912 S	1/2018	Dimberg et al.	
D810,970 S	2/2018	Thompson et al.	
D814,428 S	4/2018	Dimberg et al.	
D817,898 S	5/2018	Seidl et al.	
10,041,639 B1	8/2018	Thompson et al.	
D837,168 S *	1/2019	Altonen	D13/174
D837,169 S	1/2019	Altonen et al.	
D852,077 S *	6/2019	Seaberry	D10/118
D868,009 S	11/2019	Dimberg et al.	
D868,010 S	11/2019	Bard et al.	
D872,775 S	1/2020	Becke et al.	
D892,750 S	8/2020	Dimberg et al.	
D908,643 S	1/2021	Dimberg et al.	
D909,316 S *	2/2021	Ayers	D13/174
D921,595 S	6/2021	Altonen et al.	
D921,596 S	6/2021	Altonen et al.	
D922,334 S	6/2021	Altonen et al.	
D922,965 S	6/2021	Altonen et al.	
D924,820 S *	7/2021	Dimberg	D13/174
D924,821 S *	7/2021	Bard	D13/174
11,107,648 B2	8/2021	Duncan et al.	
D935,422 S *	11/2021	Knauss	D13/174
D951,211 S *	5/2022	Dimberg	D13/174
2004/0109304 A1	6/2004	Yokoyama et al.	
2007/0057922 A1	3/2007	Schultz et al.	
2007/0136679 A1	6/2007	Yang	



2010/0175971 A1 7/2010 Kim et al.
 2013/0242531 A1 9/2013 Urayama
 2013/0328500 A1 12/2013 Toda
 2014/0117871 A1 5/2014 Swatsky et al.
 2015/0371534 A1 12/2015 Dimberg et al.
 2016/0128586 A1 5/2016 Parton et al.
 2016/0196635 A1 7/2016 Cho et al.
 2016/0212368 A1 7/2016 Zhang et al.
 2017/0185240 A1 6/2017 Delrosario et al.
 2017/0278383 A1 9/2017 Dimberg et al.
 2017/0280533 A1 9/2017 Dimberg et al.
 2017/0352506 A1 12/2017 Dimberg
 2017/0354012 A1 12/2017 Bard et al.
 2017/0354021 A1 12/2017 Dimberg et al.
 2017/0354022 A1 12/2017 Dimberg et al.
 2017/0354023 A1 12/2017 Dimberg et al.
 2018/0005742 A1 1/2018 Newman, Jr. et al.
 2018/0116039 A1 4/2018 Harte et al.
 2020/0381191 A1 12/2020 Duncan et al.
 2021/0022231 A1 1/2021 Shivell
 2021/0257170 A1 8/2021 Blair et al.

OTHER PUBLICATIONS

Legrand® / Pass & Seymour®, P&S Dimmers—Dr Series Brochure, 2010, 2 pages.

Legrand®, Dimmers Brochure, 2015, 18 pages.

Lumenpulse™, Lumentone™ Specification Sheet, 2013, 4 pages.

Lumenpulse™, Lumentone™ Installation Instructions, 2013, 1 page.

Lumenpulse™, Lumentone™ Quick Reference Guide, 2015, 3 pages.

Ltech, LED Controller Touch RGB DMX/RF 4 Zones—DX8, <http://ltechled.eu/en/dmx/1293ledcontrollertouchdx8dmx.html>, available at least as early as Jun. 3, 2016.

Diode LED, DMX Wall Mount Controller, <https://www.diodeled.com/dmxwallmountcontroller.html>, available at least as early as Jun. 3, 2016.

Fontana Fountains, Glass-Touch RGB Controller, <http://www.fontanafountains.com/products/underwater-illumination/thSMARTLED-luminaires/glass-touch-rgb-controller>, available at least as early as Jun. 3, 2016.

Super Bright LEDs Inc., Wall Mount Touch Color RGB Controller, <https://www.superbrightleds.com/moreinfo/controllers/wall-mount-touch-color-rgb-controller-dynamic-color-changing-modes-3-amps-per-channel/1484/#/tab/Reviews>, available at least as early as Jun. 3, 2016.

Milight, RGBW Remote, <http://www.milight.com/milight-rgbw-remote/>, available at least as early as Jun. 3, 2016.

Rgbzone, DC 12V-24V Wall-mounted Touch Panel Switch Controller Full Color LED Dimmer, https://www.amazon.com/RGBZONE-12V-24V-Wall-mounted-Switch-Controller/dp/B00RCEHNOI/ref=pd_sbs_60_2?_encoding=UTF8&pd_rd_i=B00RCEHNOI&pd_rd_r=XAXCT73G8T7VPD0HJDWK&pd_rd_w=2Fpri&pd_rd_wg=q5f29&pvc=1&refRID=XAXCT73G8T7VPD0HJDWK, available at least as early as Jun. 3, 2016.

Epbowpt, DC 12-24V Wall-mounted Glass Touch Panel Full-color Dimmer Controller, https://www.aliexpress.com/store/product/DUMVOIN-Wall-mounted-Glass-Touch-Panel-Full-color-Dimmer-Controller-Wall-Switch-DC-12-24V-for/1916528_32542963626.html, available at least as early as Jun. 3, 2016.

Google Developers, 'Bridging the physical and digital. Imagine the possibilities. ATAP.—Google I/O 2016,' youtube.com [online], May 20, 2016 [retrieved May 5, 2017]. Retrieved from Internet: <<https://www.youtube.com/watch?v=8LO59eN9om4>>.

A Studios, 'A Studios Lumenpulse lighting tutorial 1,' youtube.com [online], Apr. 23, 2016 [retrieved May 5, 2017]. Retrieved from Internet: <<https://www.youtube.com/watch?v=1Hv4-TkgYZQ>>.

Electronic Theatre Controls, Inc., Echo Inspire© Station Programming Guide, Software Version 2.0.1, Feb. 2015, 44 pages.

Electronic Theatre Controls, Inc., Echo Inspire® Control Stations, <URL:<https://www.etconnect.com/Products/Architectural-Systems/Echo/Control-Stations/Inspire-Control-Stations/Features.aspx>>, available from Internet at least as early as Jul. 15, 2014 [site visited May 9, 2018].

Electronic Theatre Controls, Inc., Echo Inspire® Control Station: 4-Button with Fader Knob, photograph taken on May 8, 2018.

Illuminated RGB Encoder; available May 31, 2017: <https://www.tindie.com/products/saimon/iiluminated-rgb-encoder/>.

Echo Inspire Control Stations, Echo Control Series; 2016; 5 pgs.; https://www.echoflexsolutions.com/files/7186L1009_Echo_Inspire_Control_Station_Datasheet_revG.pdf.

ETC Echo Inspire Station User Manual; 2014; 4 pgs.; <https://www.manualsdir.com/manuals/559234/etc-echo-inspire-station.html?original=1>.

Unison Echo Design Guide, 2018; 16 pgs.; <https://www.etconnect.com/workarea/DownloadAsset.aspx?id=10737491166>.

Lumenpulse-lumentone-spec-sheet, Sep. 25, 2017; 4 pgs.; https://www.lumenpulse.com/es/files/view-file/supportfiles/fb3d4259d36a9e7f562e587b0562ba0c/325/locale_file/lumenpulse-lumentone-ltn-spec-sheet.pdf.

Lumenpulse-lumentone brochure; Sep. 25, 2017; 6 pgs.

U.S. Appl. No. 62/345,449, filed Jun. 3, 2016 (unpublished).

U.S. Appl. No. 62/345,222, filed Jun. 3, 2016 (unpublished).

* cited by examiner

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(57)

CLAIM

The ornamental design for an illuminated control device, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view showing the first state in a sequence of an illuminated control device of our new design;

FIG. 2 is a front view thereof;

FIG. 3 is a left side view thereof;

FIG. 4 is a right side view thereof;

FIG. 5 is a top view thereof;

FIG. 6 is a bottom view thereof;

FIG. 7 is a front perspective view thereof, showing a second state thereof;

FIG. 8 is a front view thereof;

FIG. 9 is a front perspective view thereof, showing a third state thereof;

FIG. 10 is a front view thereof;

FIG. 11 is a front perspective view thereof, showing a fourth state thereof;

FIG. 12 is a front view thereof;

FIG. 13 is a front perspective view thereof, showing a fifth state thereof;

FIG. 14 is a front view thereof;

FIG. 15 is a front perspective view thereof, showing a sixth state thereof;

FIG. 16 is a front view thereof;

FIG. 17 is a front perspective view thereof, showing a seventh state thereof;

FIG. 18 is a front view thereof;

FIG. 19 is a front perspective view thereof, showing an eighth state thereof;

FIG. 20 is a front view thereof;

FIG. 21 is a front perspective view thereof, showing a ninth state thereof;

FIG. 22 is a front view thereof;

FIG. 23 is a front perspective view thereof, showing a tenth state thereof;

FIG. 24 is a front view thereof;

FIG. 25 is a front perspective view of a second embodiment thereof, showing a first state thereof;

FIG. 26 is a front view thereof;

FIG. 27 is a front perspective view thereof, showing a second state thereof;

FIG. 28 is a front view thereof;

FIG. 29 is a front perspective view thereof, showing a third state thereof;

FIG. 30 is a front view thereof;

FIG. 31 is a front perspective view thereof, showing a fourth state thereof;

FIG. 32 is a front view thereof;

FIG. 33 is a front perspective view thereof, showing a fifth state thereof;

FIG. 34 is a front view thereof;

FIG. 35 is a front perspective view thereof, showing a sixth state thereof;

FIG. 36 is a front view thereof;

FIG. 37 is a front perspective view thereof, showing a seventh state thereof;

FIG. 38 is a front view thereof;

FIG. 39 is a front perspective view thereof, showing an eighth state thereof;

FIG. 40 is a front view thereof;

FIG. 41 is a front perspective view thereof, showing a ninth state thereof;

FIG. 42 is a front view thereof;

FIG. 43 is a front perspective view thereof, showing a tenth state thereof; and,

FIG. 44 is a front view thereof.

The gray shaded elements depict illumination.

The dashed broken lines illustrate portions of the illuminated control device, which form no part of the claimed design.

In each of the first and second embodiments, the illuminated control device sequentially transitions from the first state to the last state in the sequence. The period with which one state transitions to another state forms no part of the claimed design.

In the second embodiment, the left, right, top and bottom views are identical to those shown in FIGS. 3, 4, 5 and 6 respectively.

1 Claim, 22 Drawing Sheets

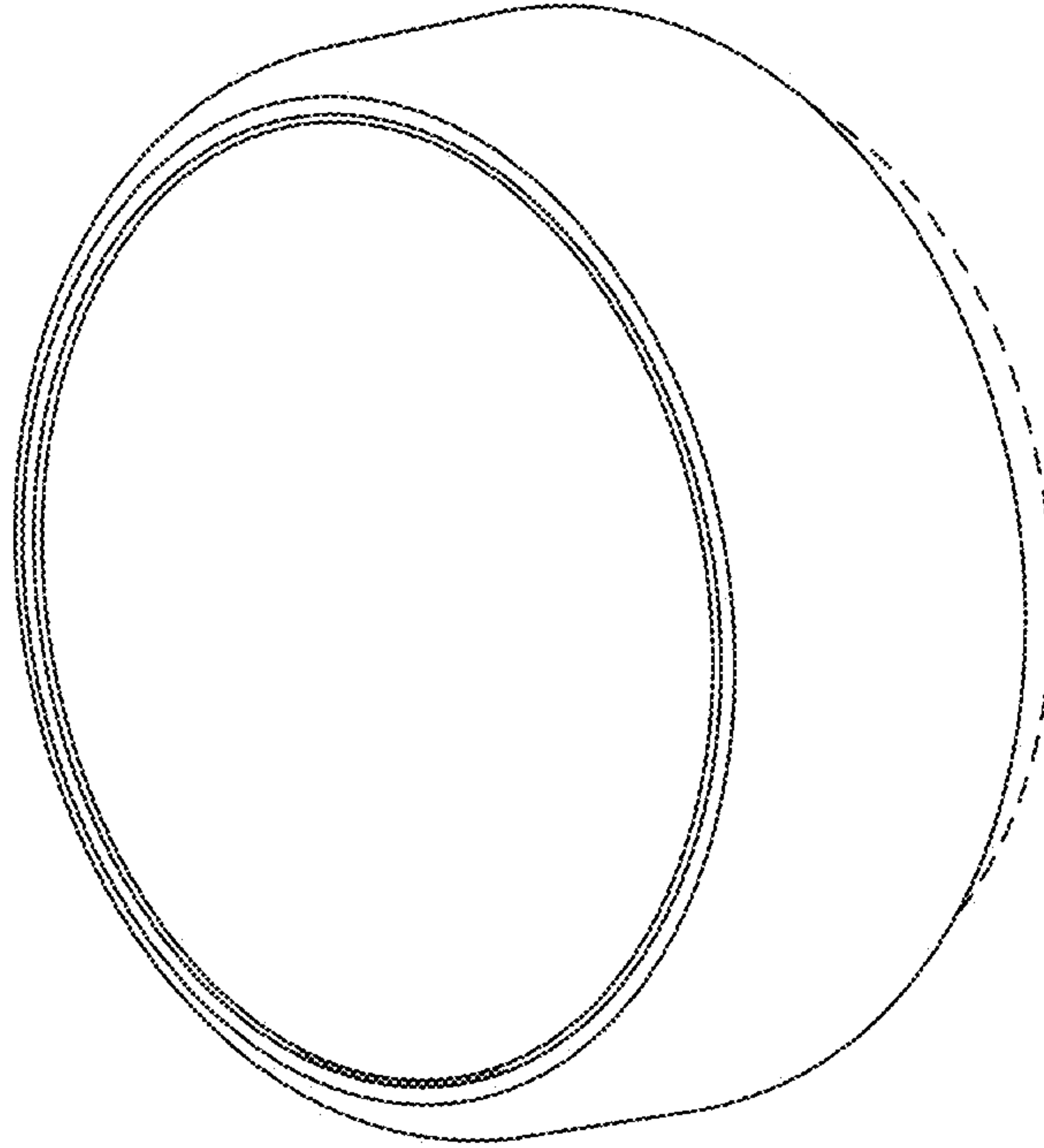


FIG. 1

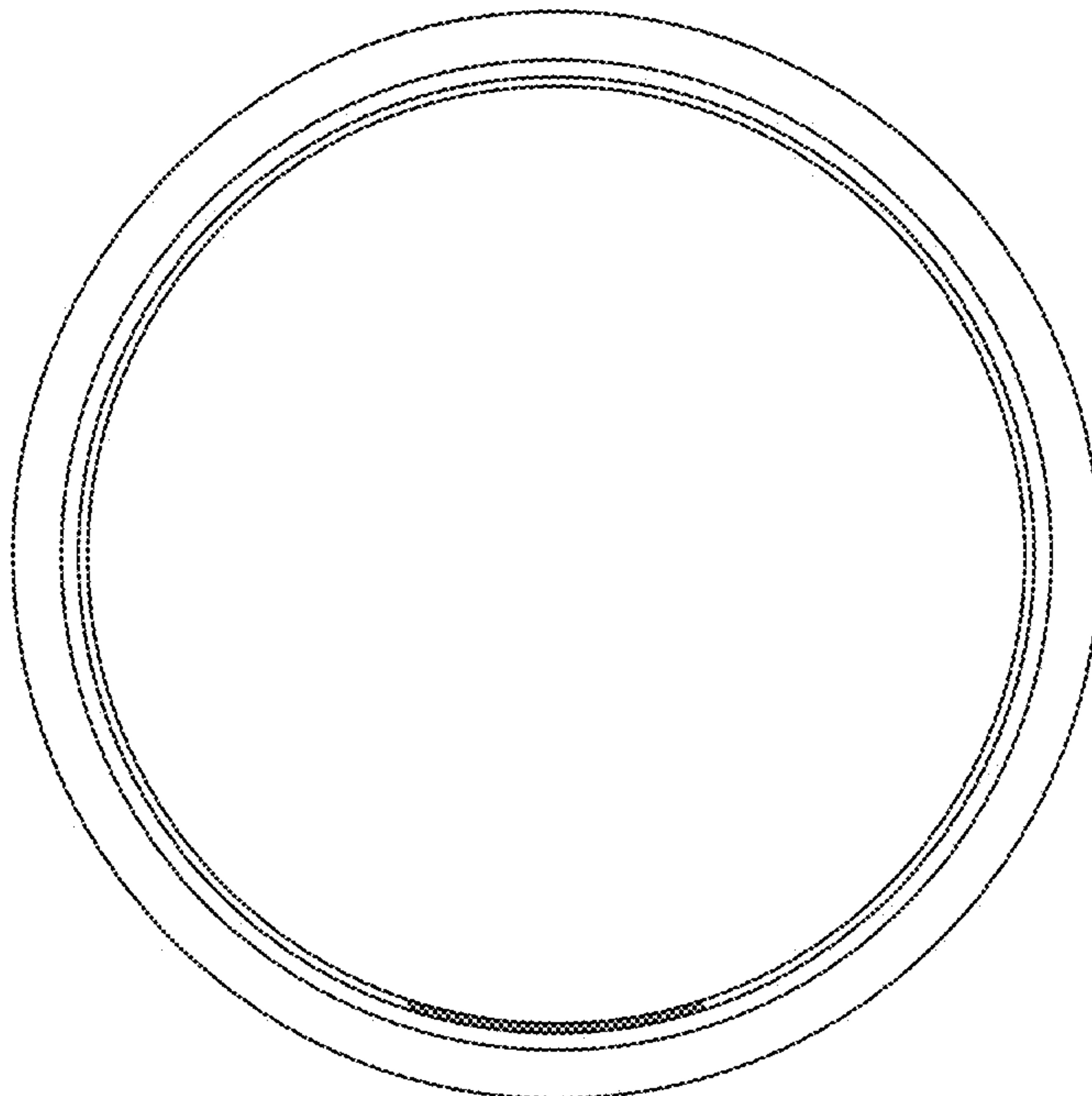


FIG. 2

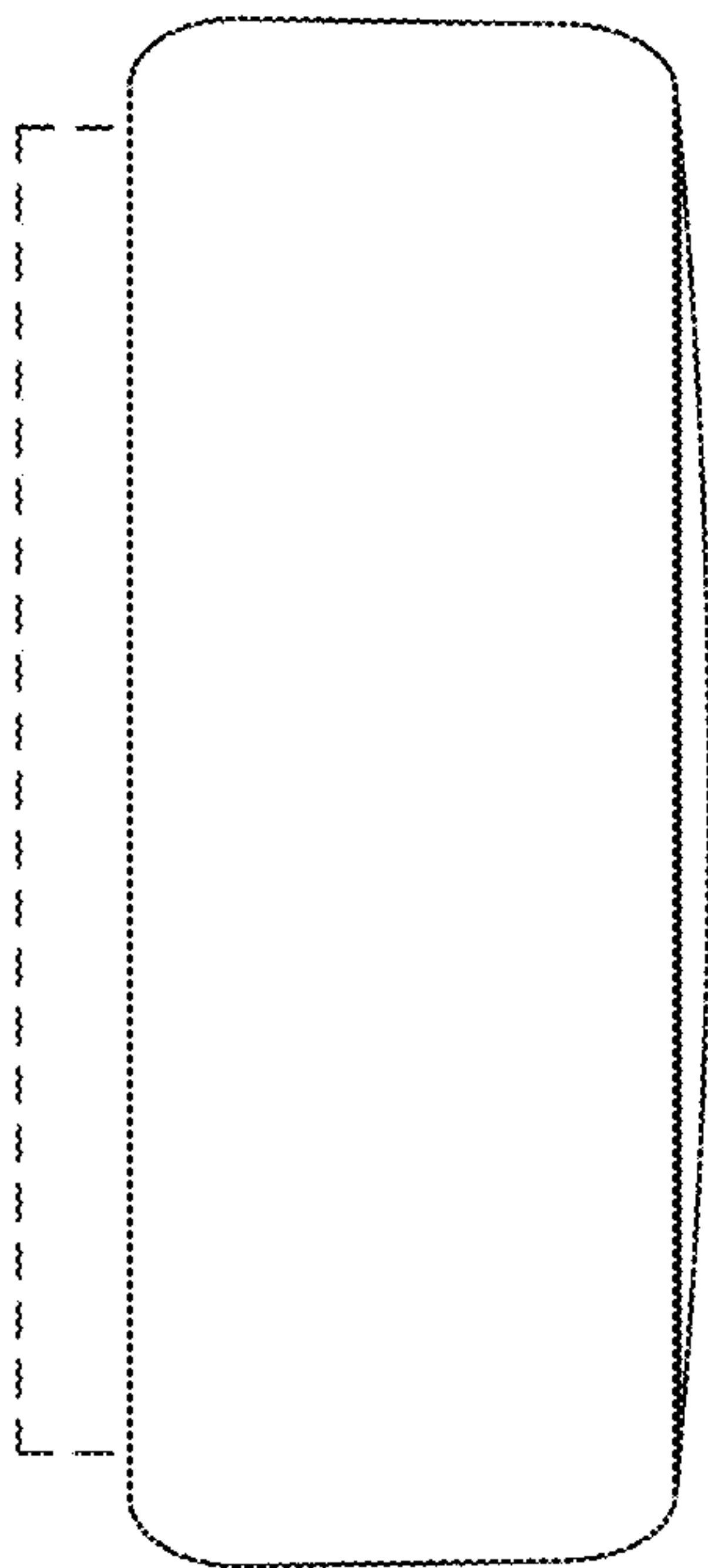


FIG. 3

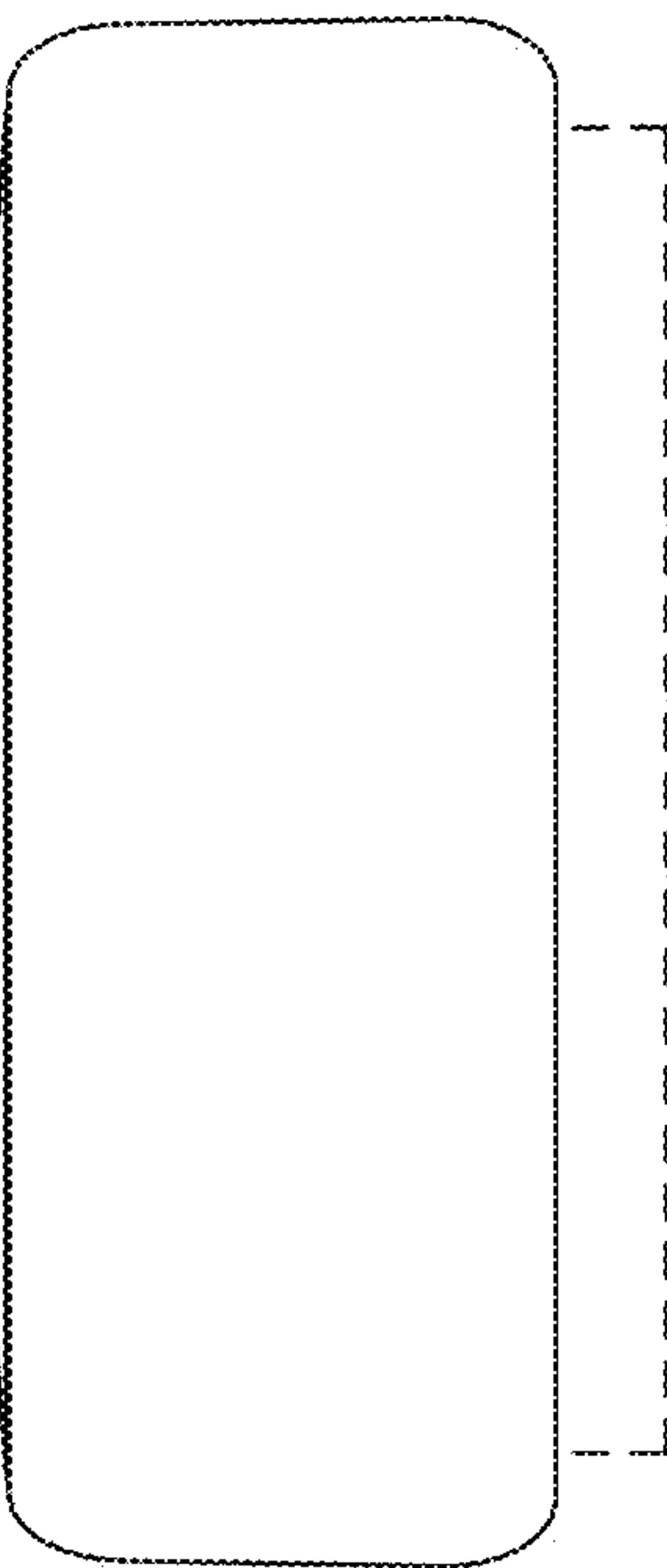


FIG. 4

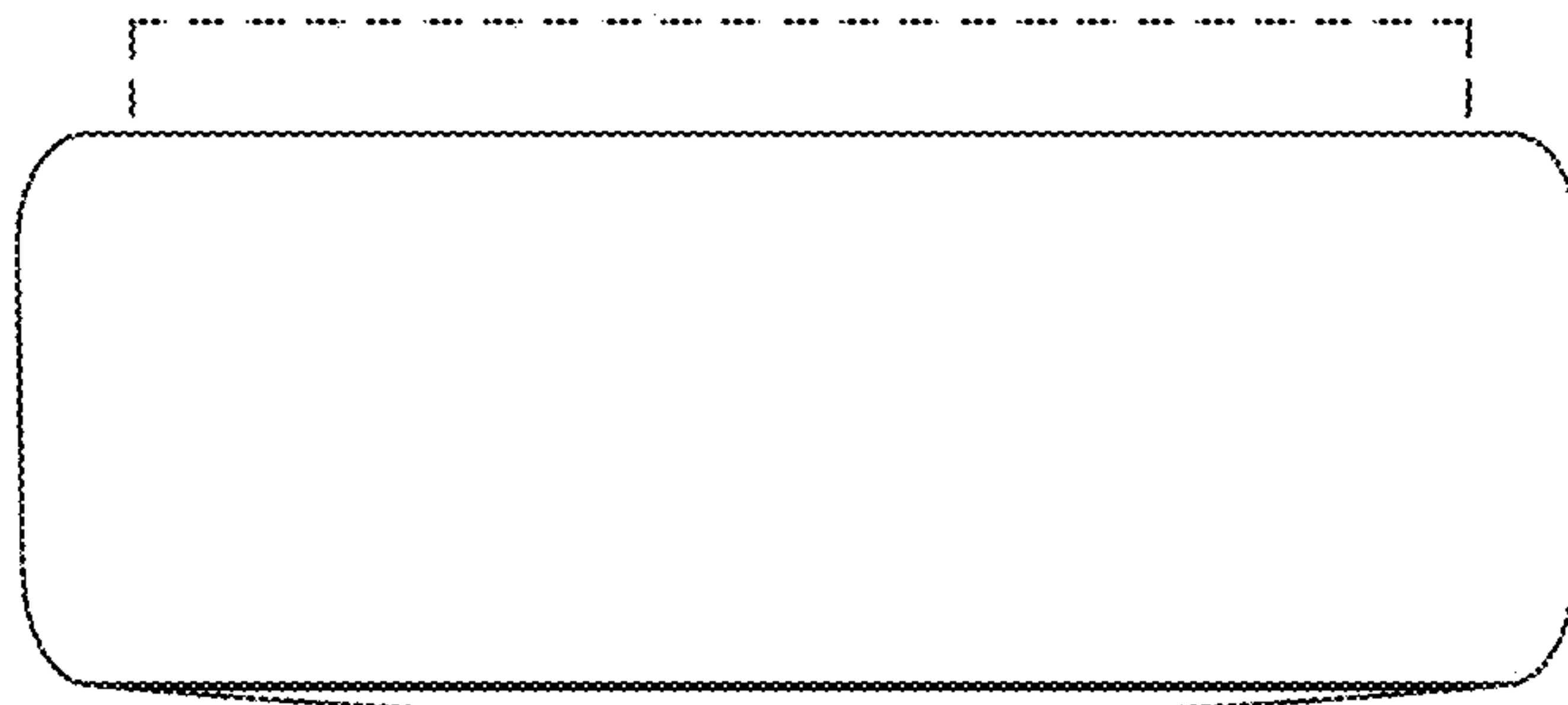


FIG. 5

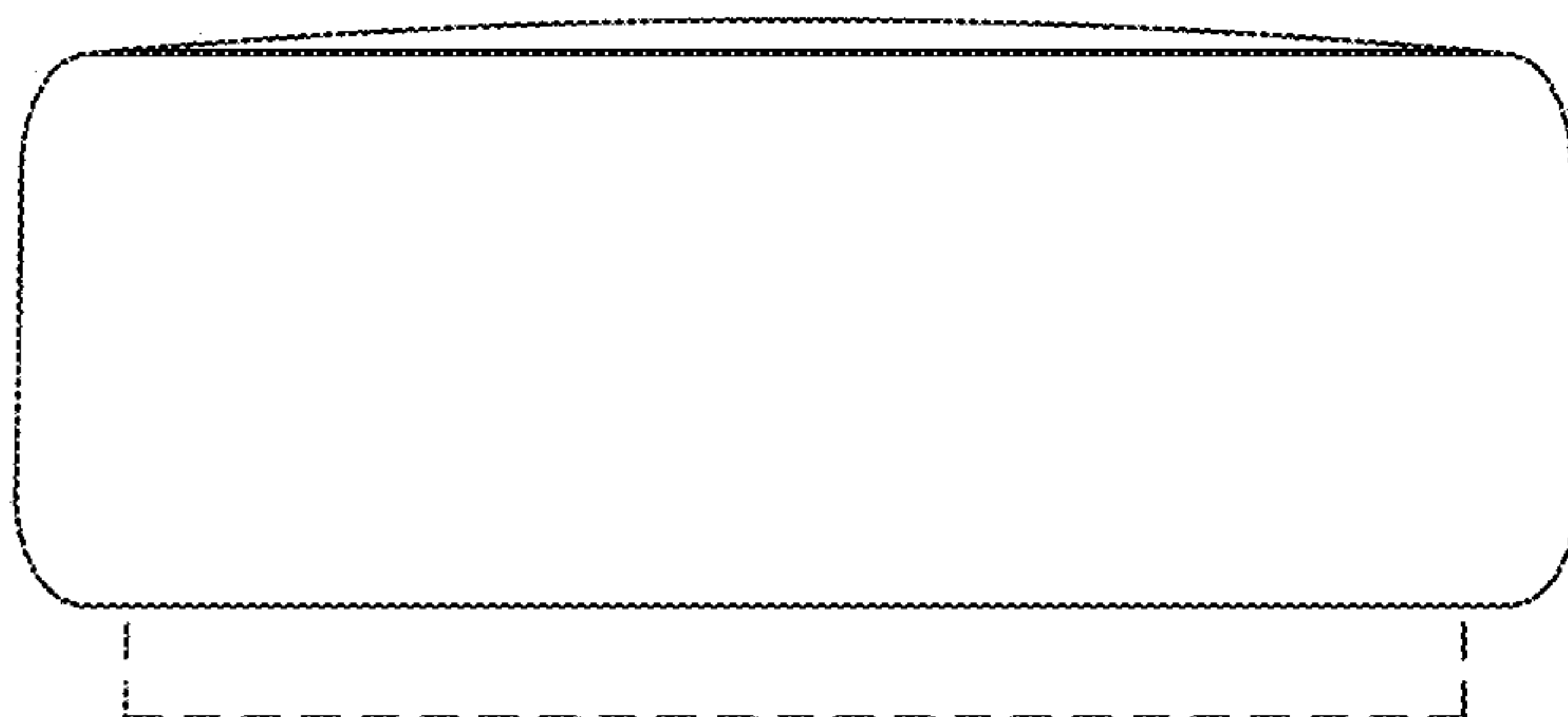


FIG. 6

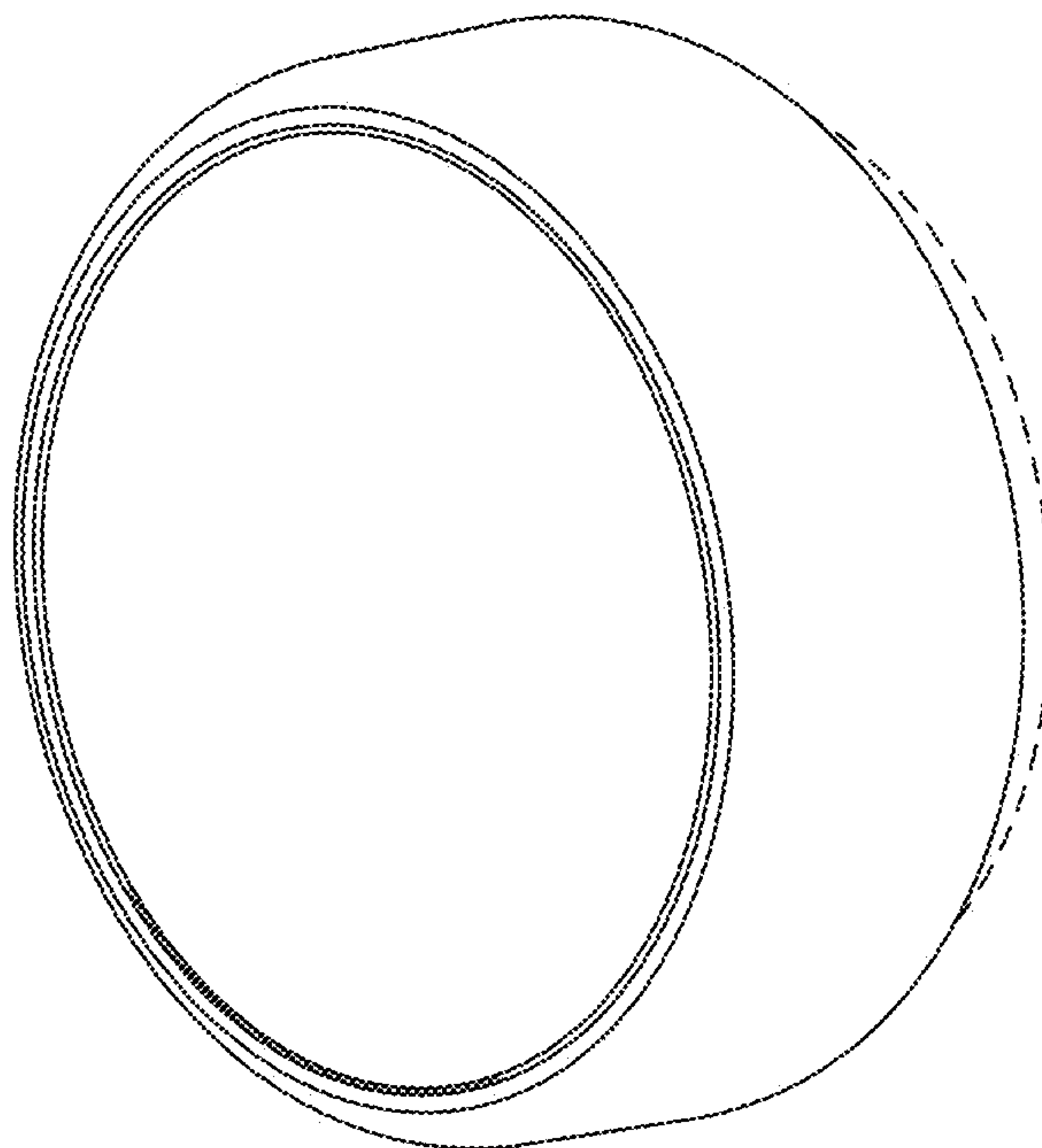


FIG. 7

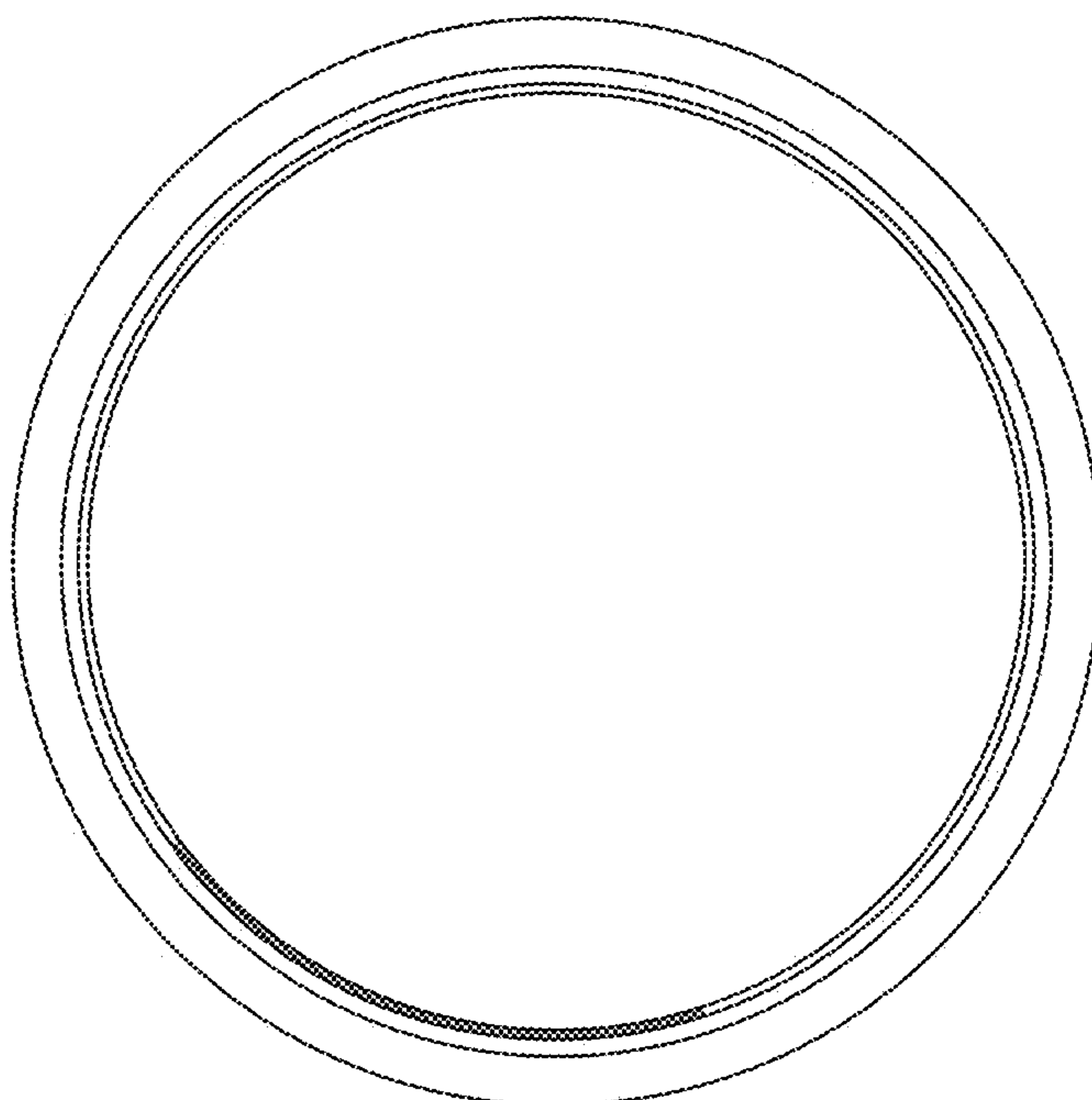


FIG. 8

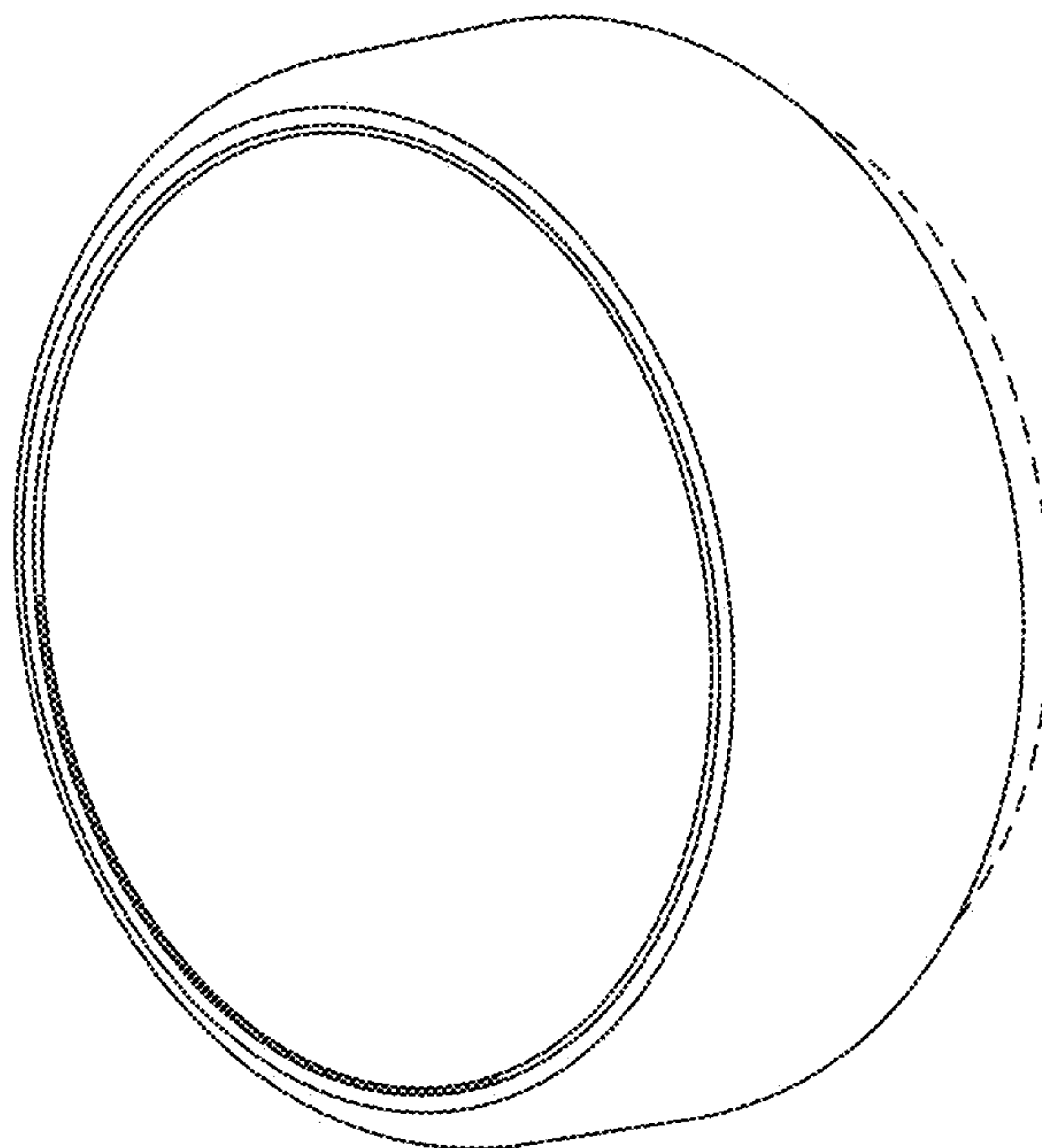


FIG. 9

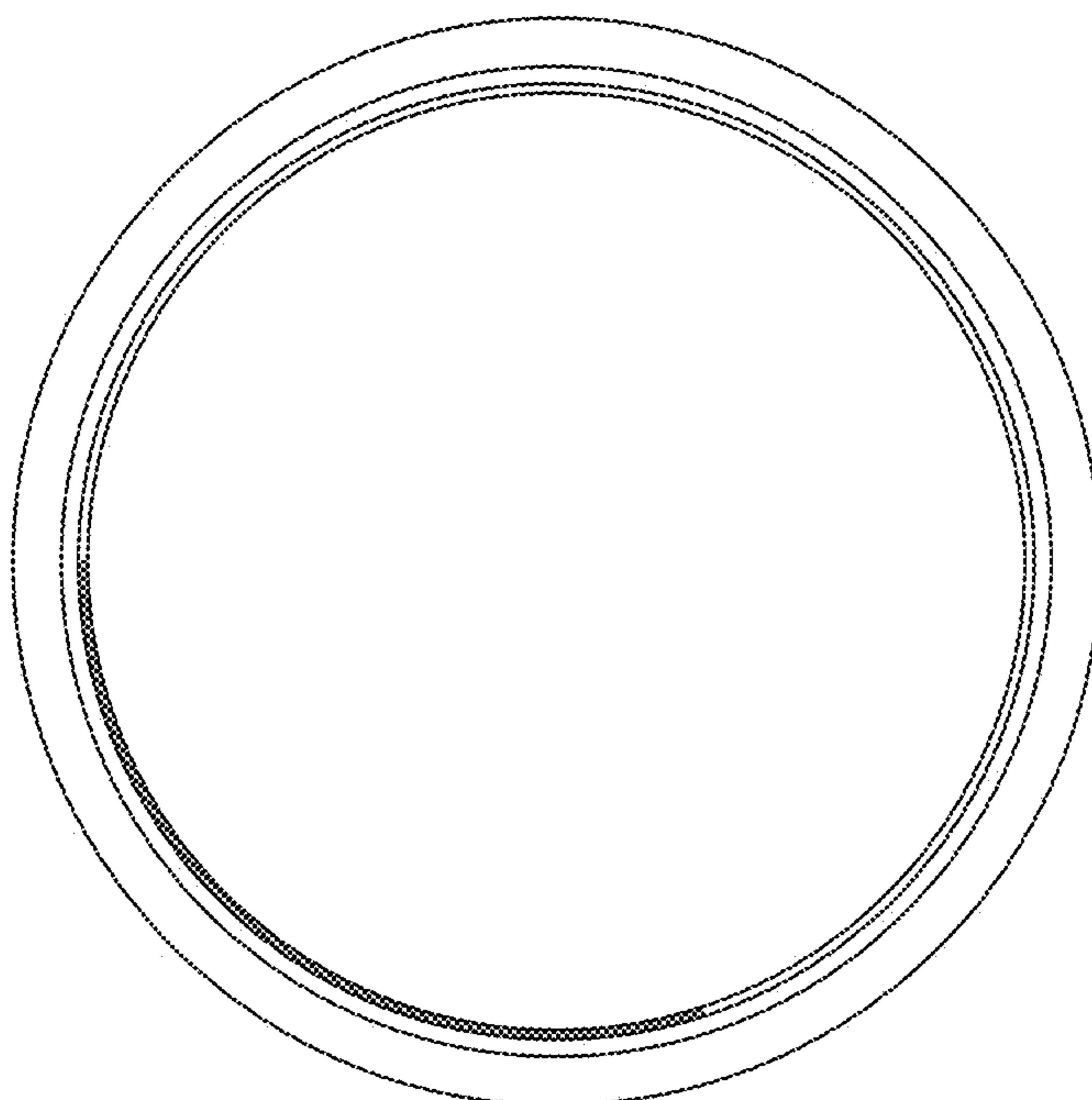


FIG. 10

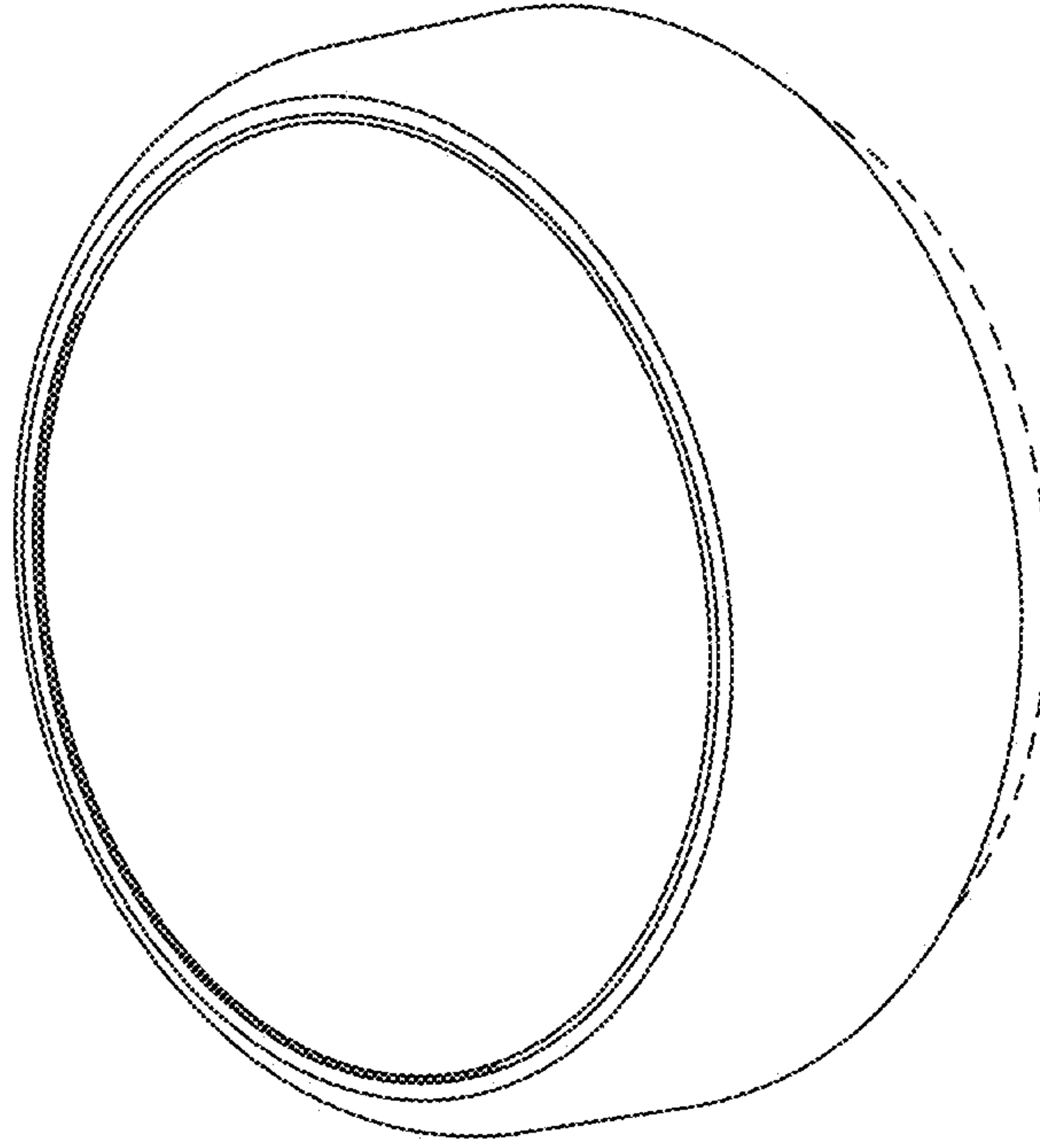


FIG. 11

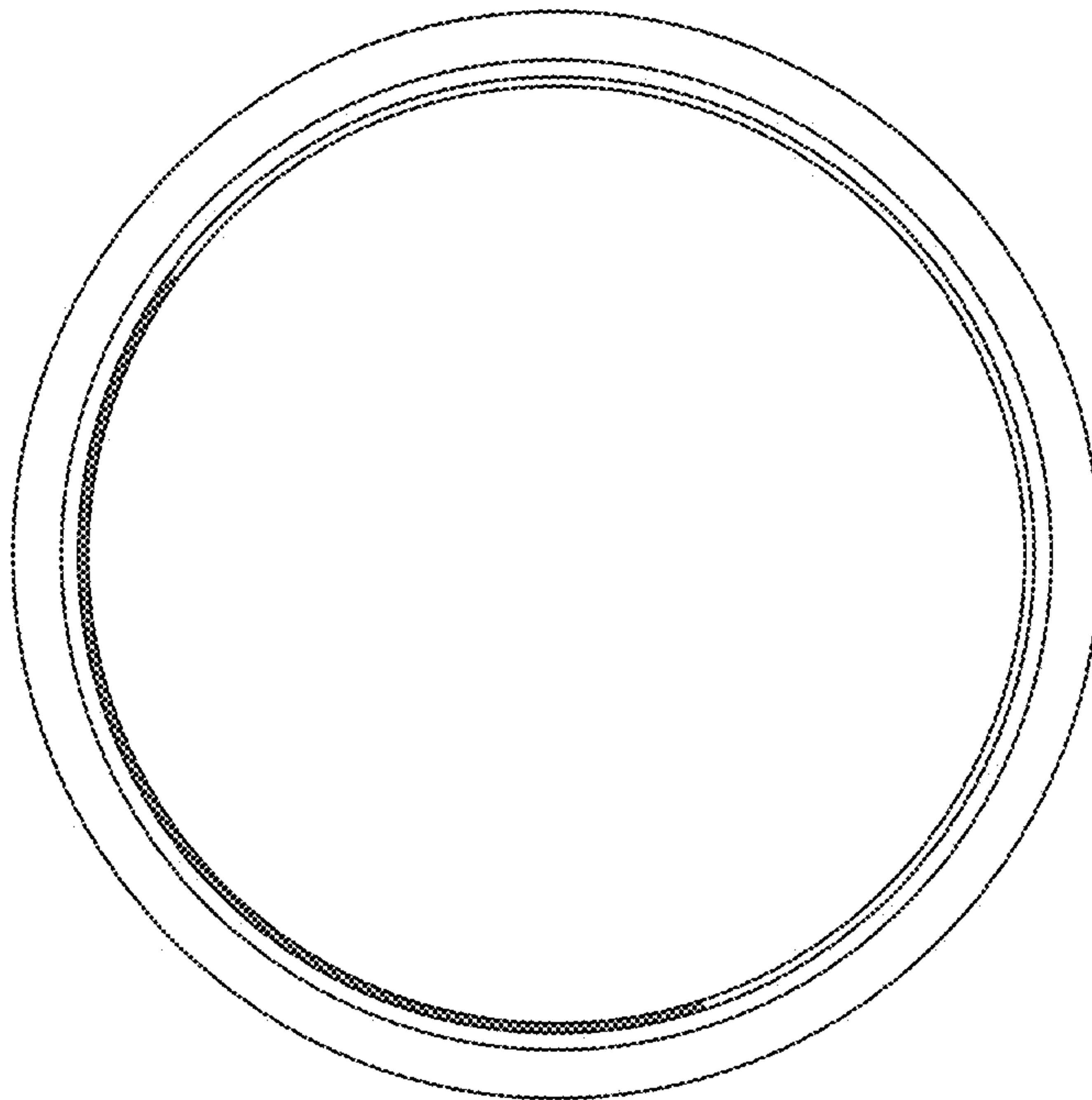


FIG. 12

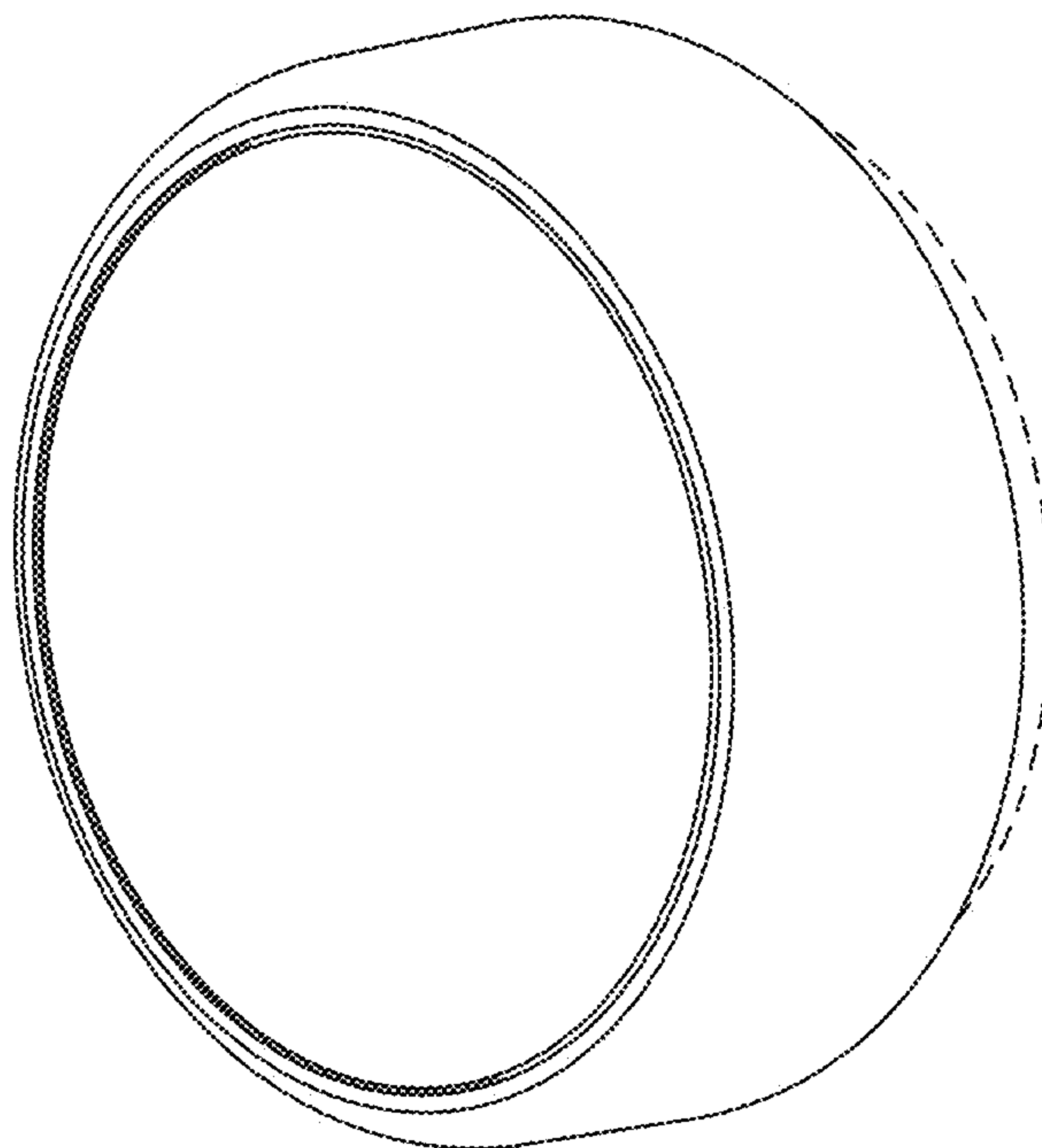


FIG. 13

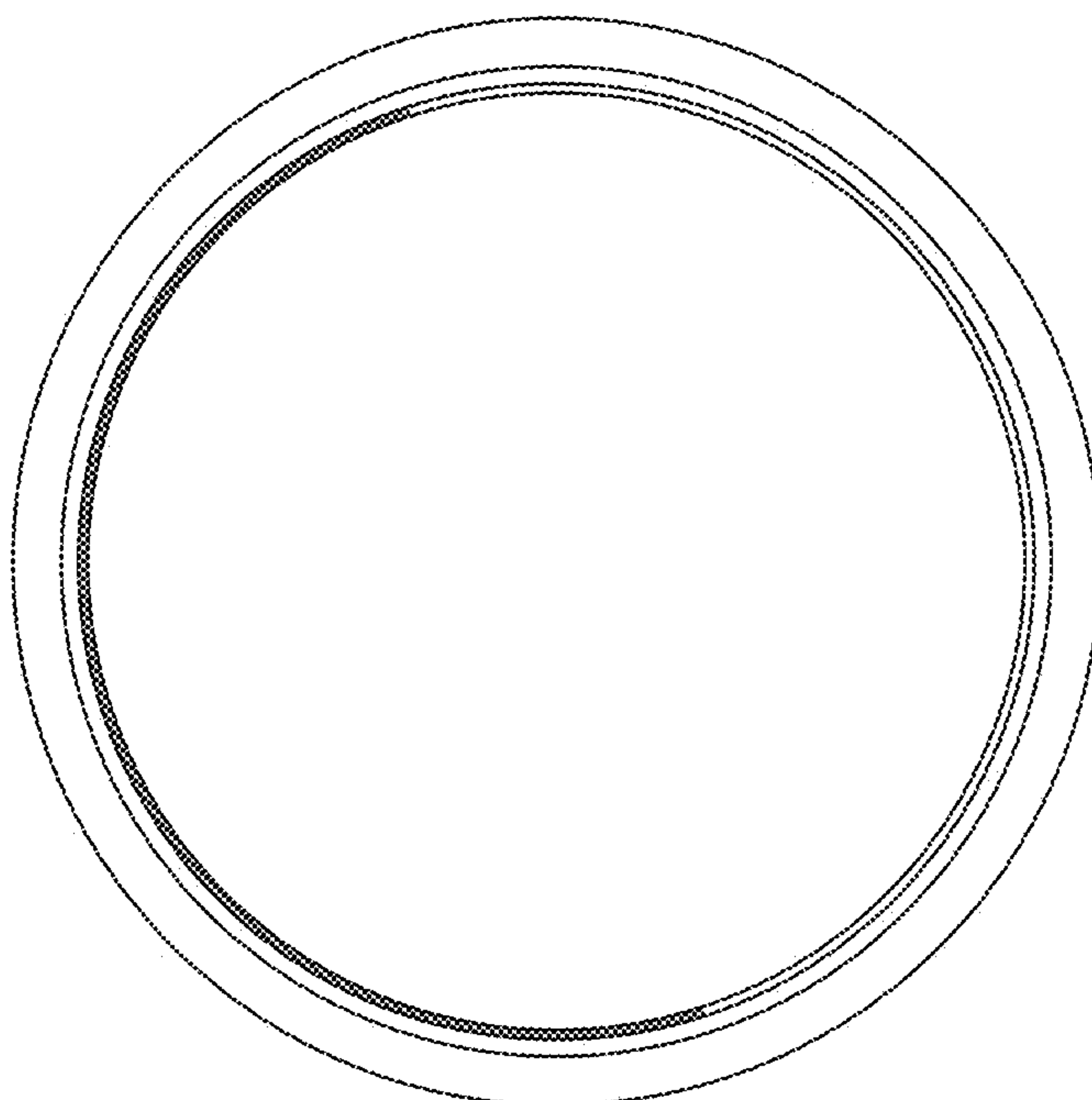


FIG. 14

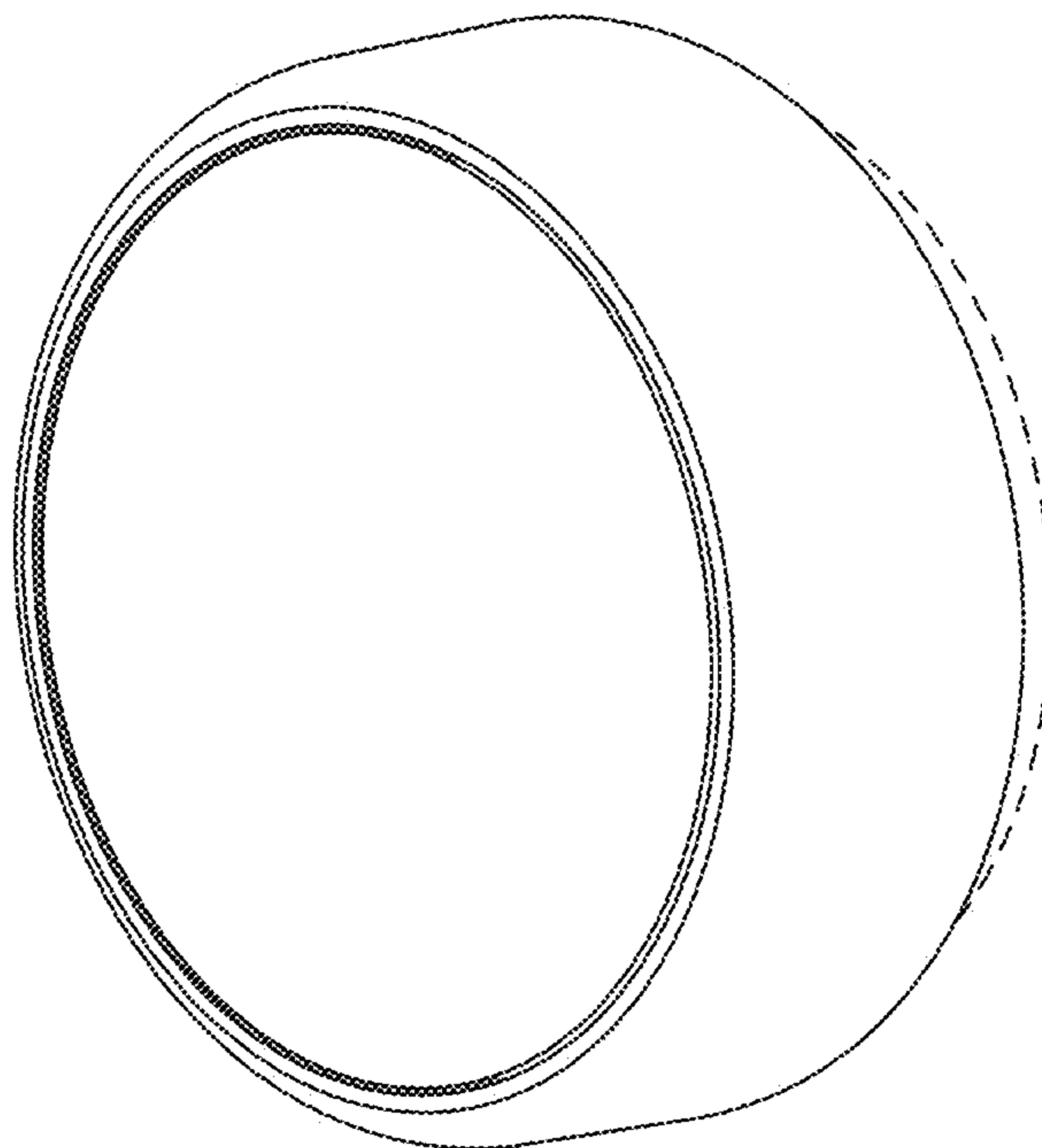


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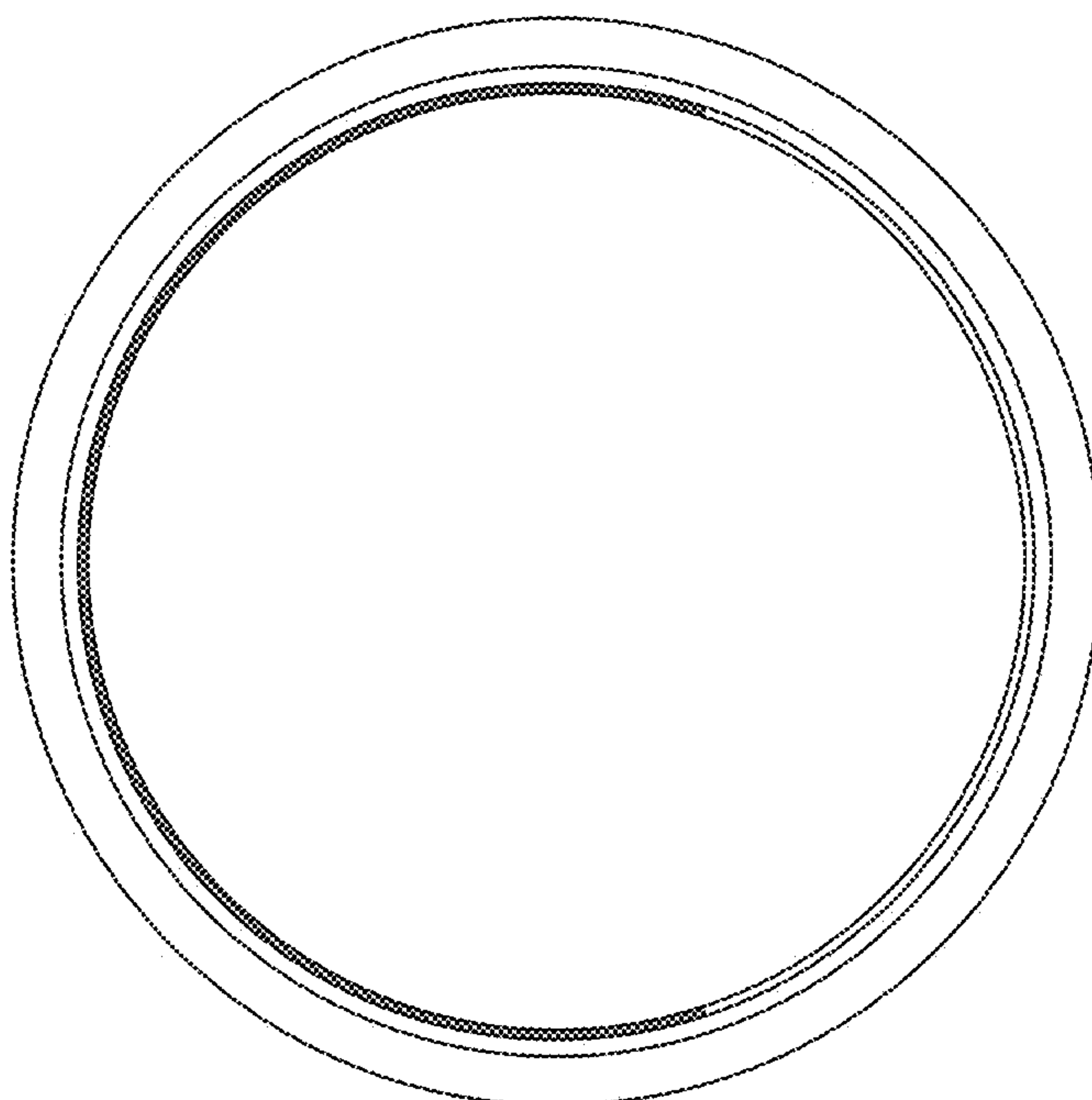


FIG. 16

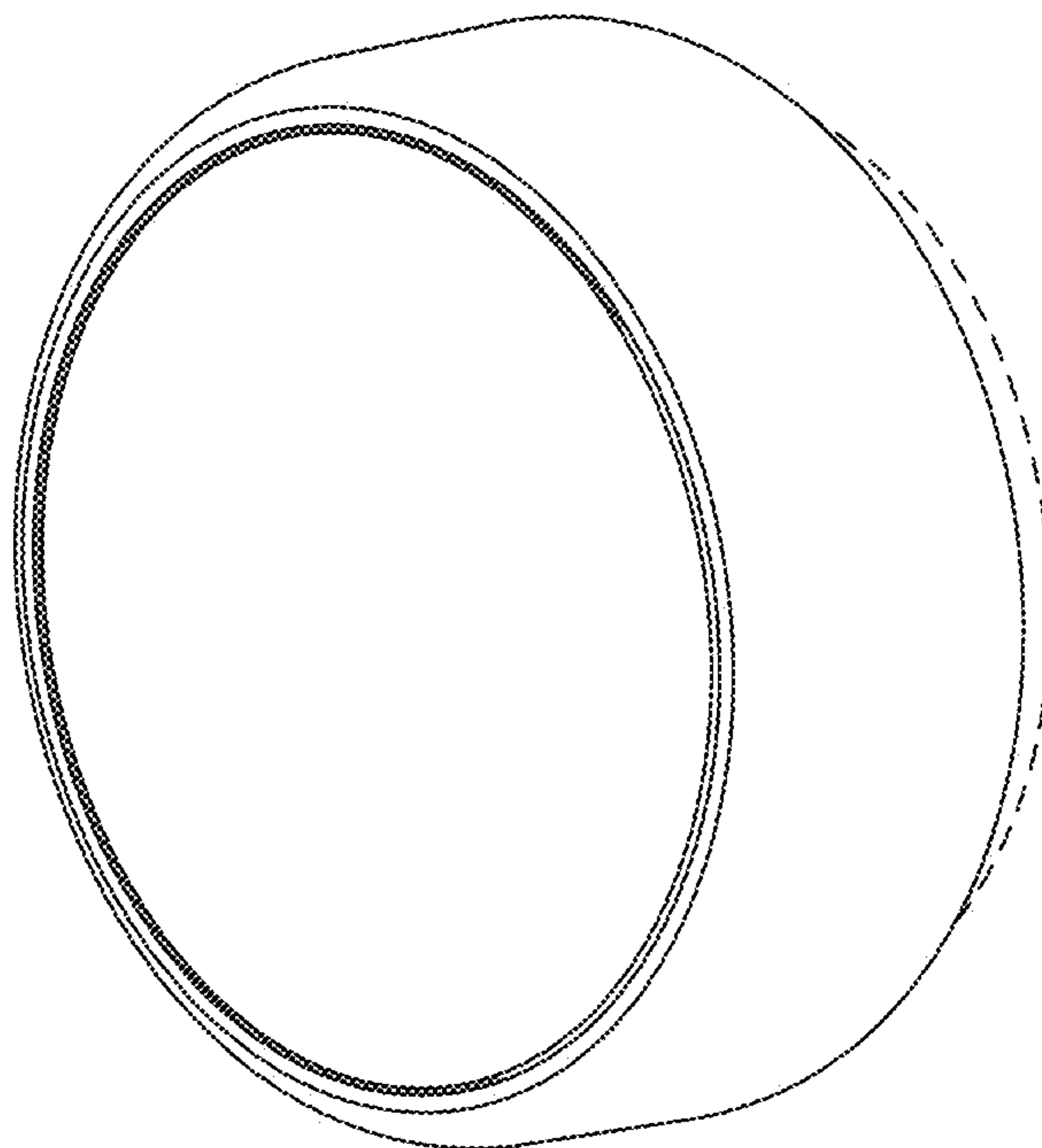


FIG. 17

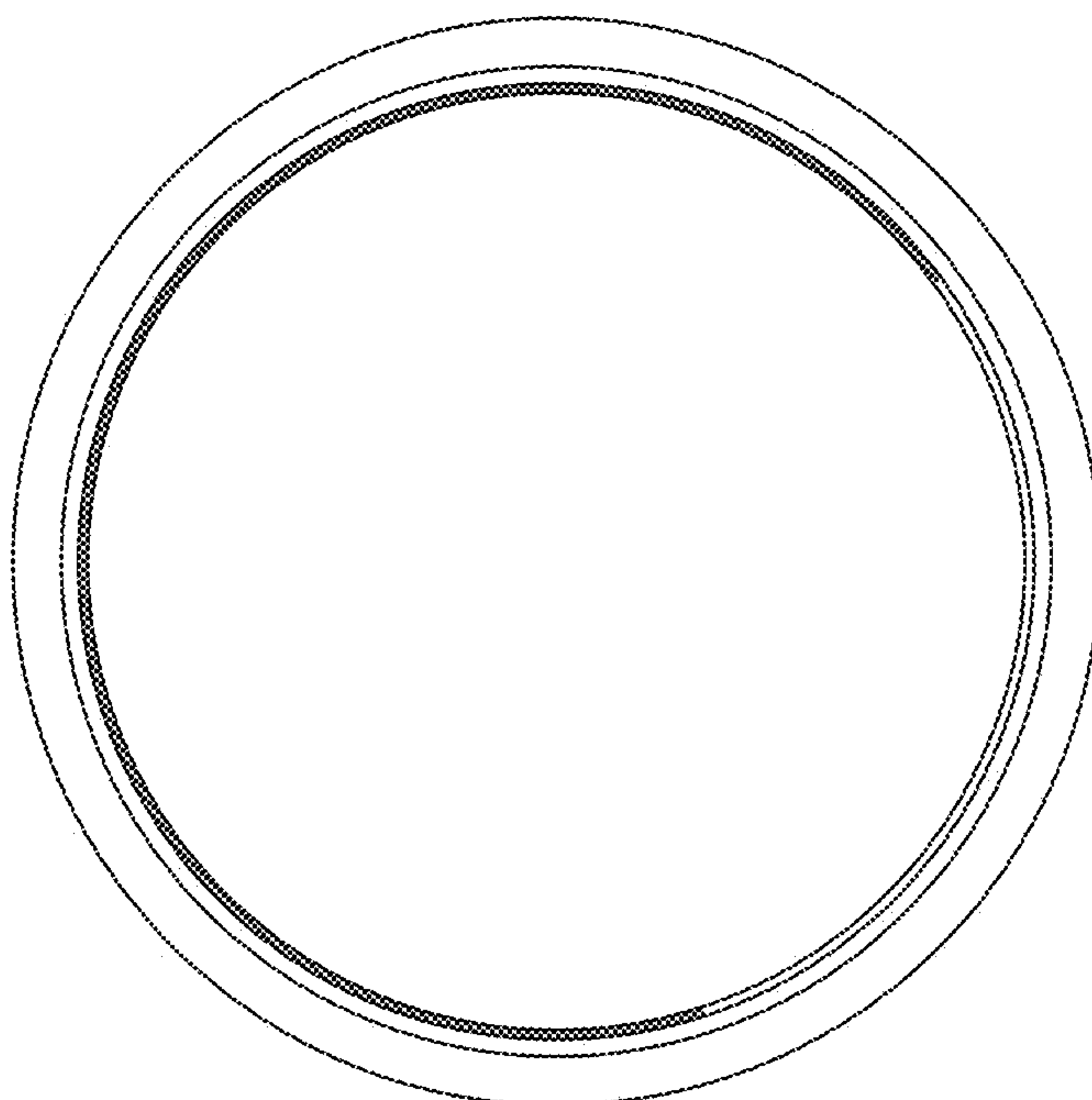


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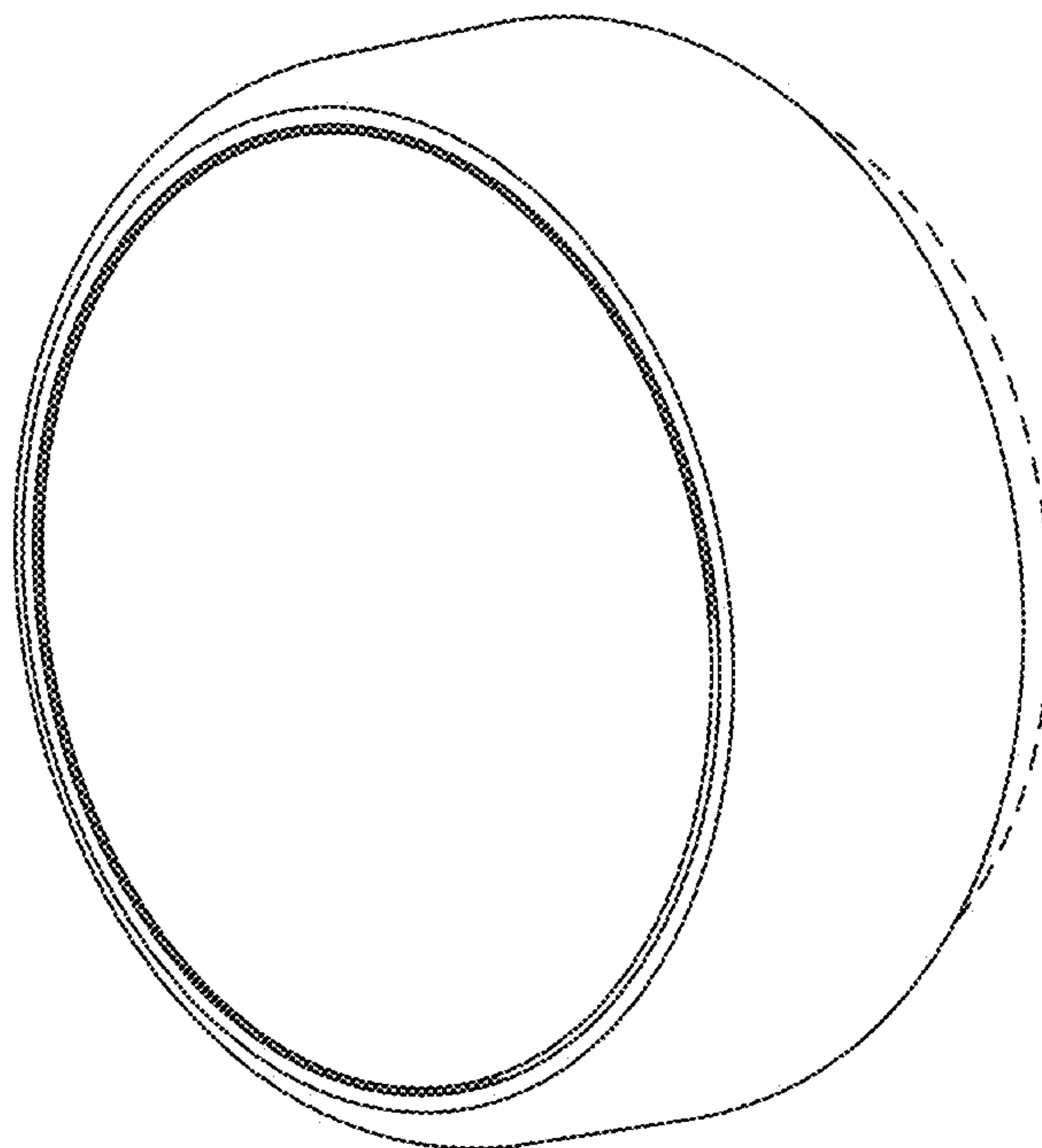


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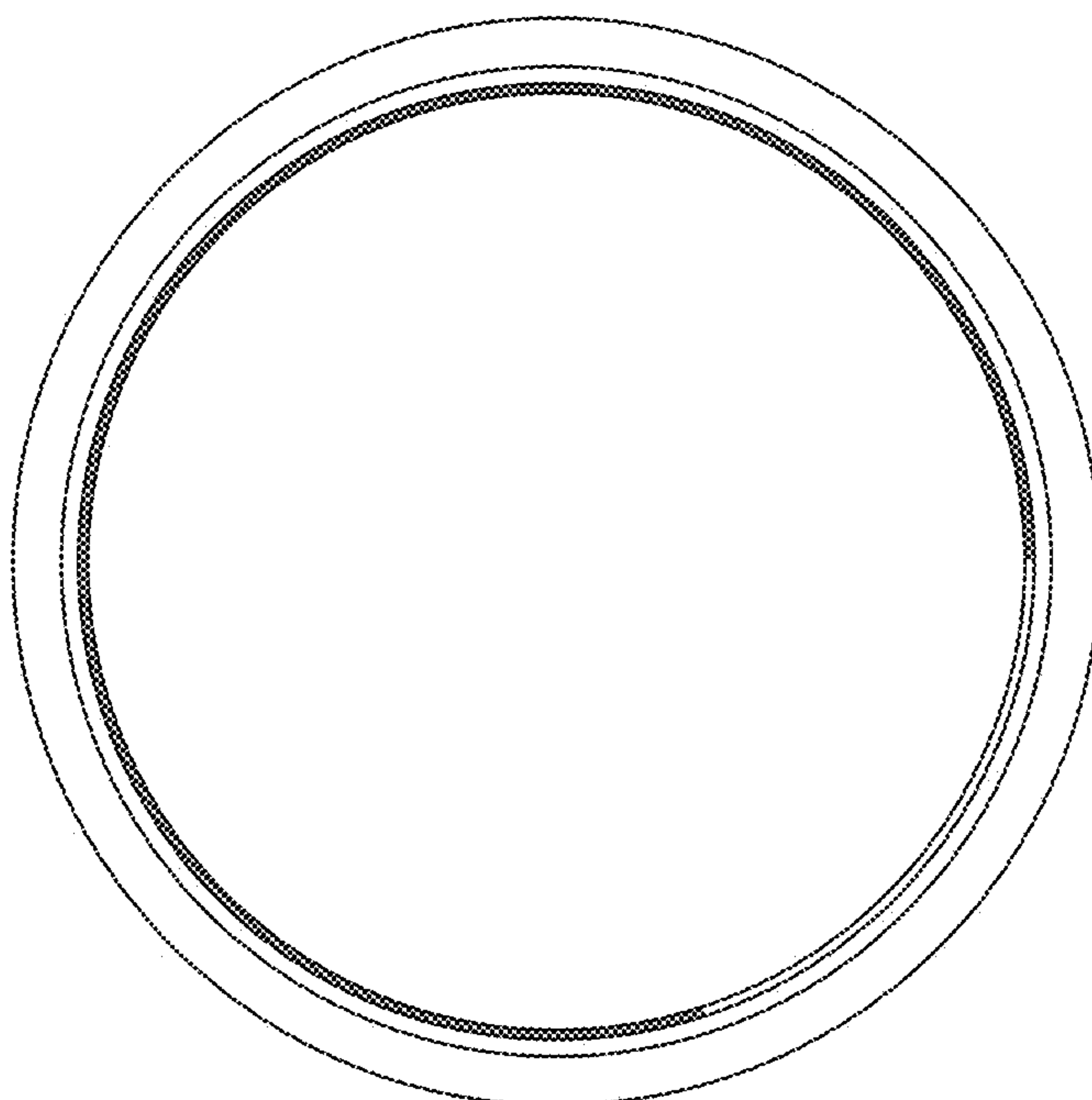


FIG. 20

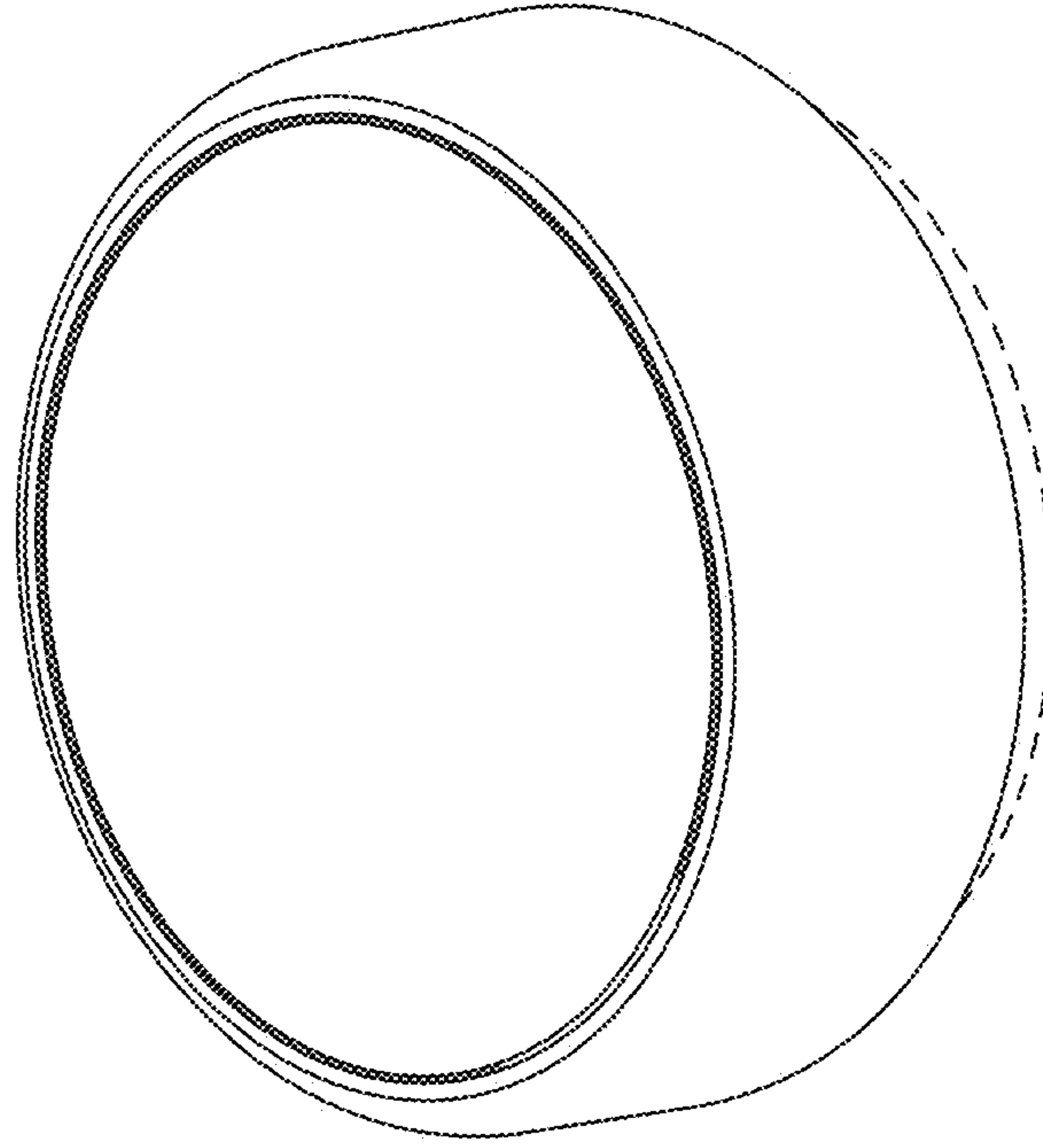


FIG. 21

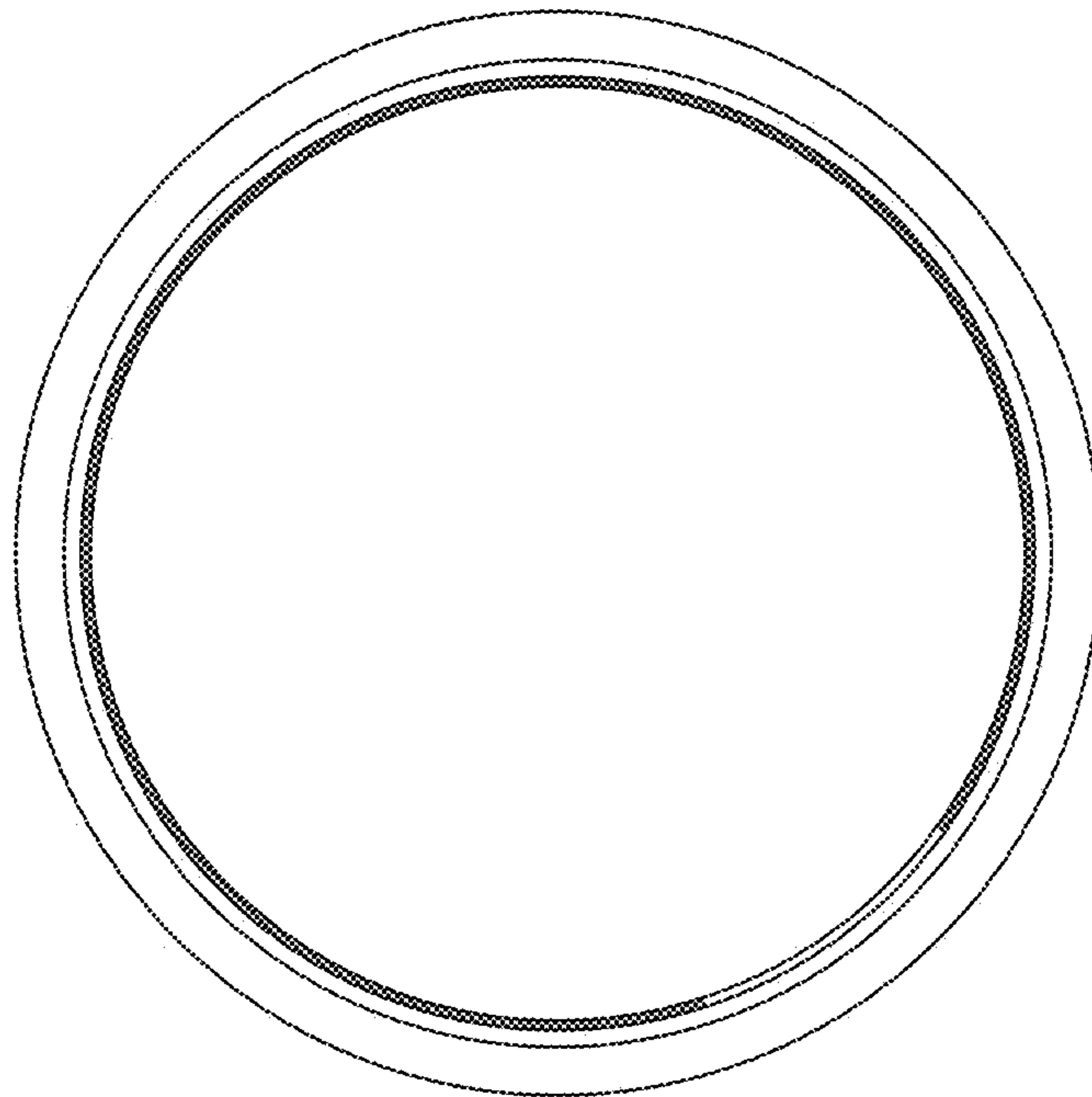


FIG. 22

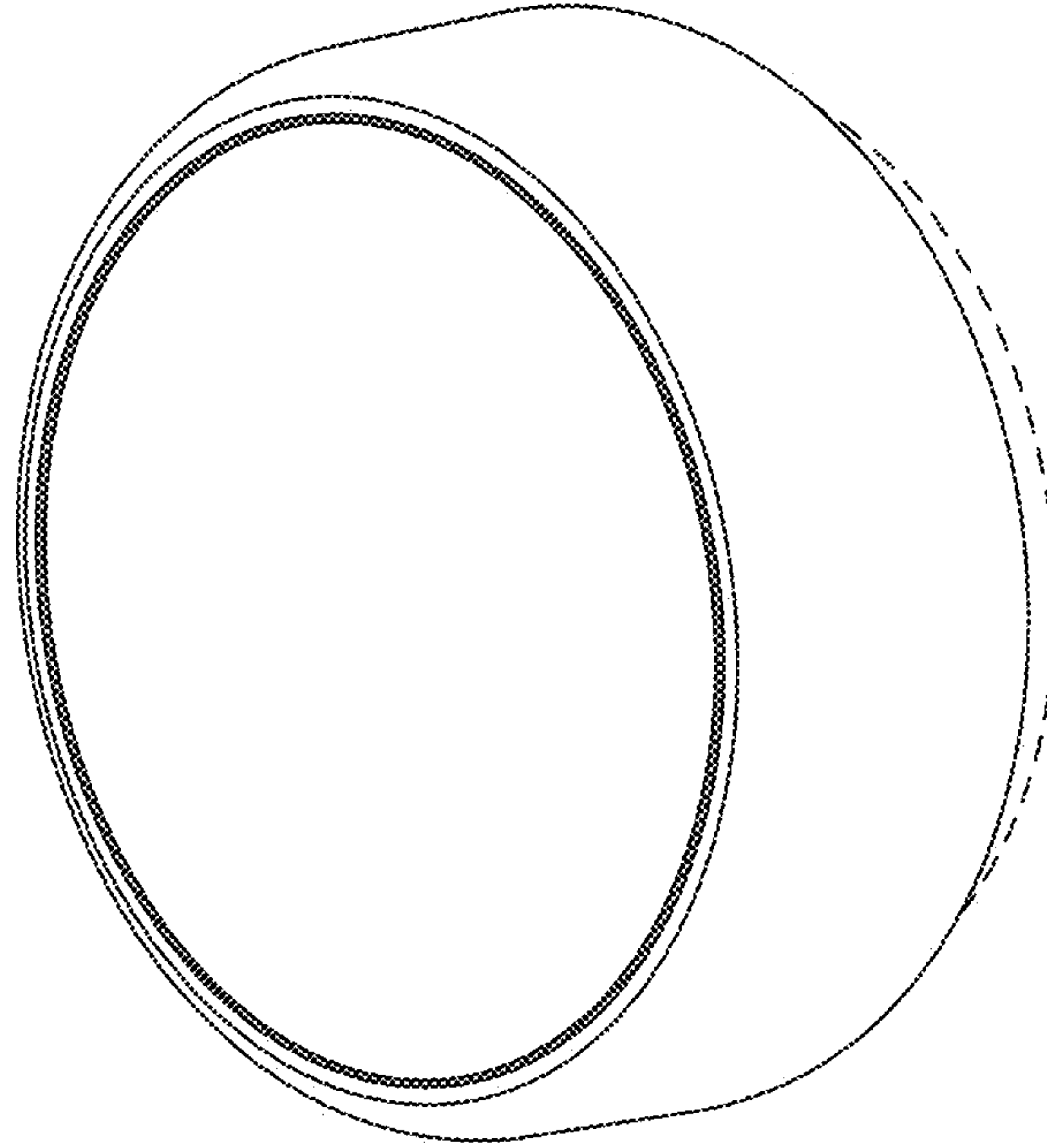


FIG. 23

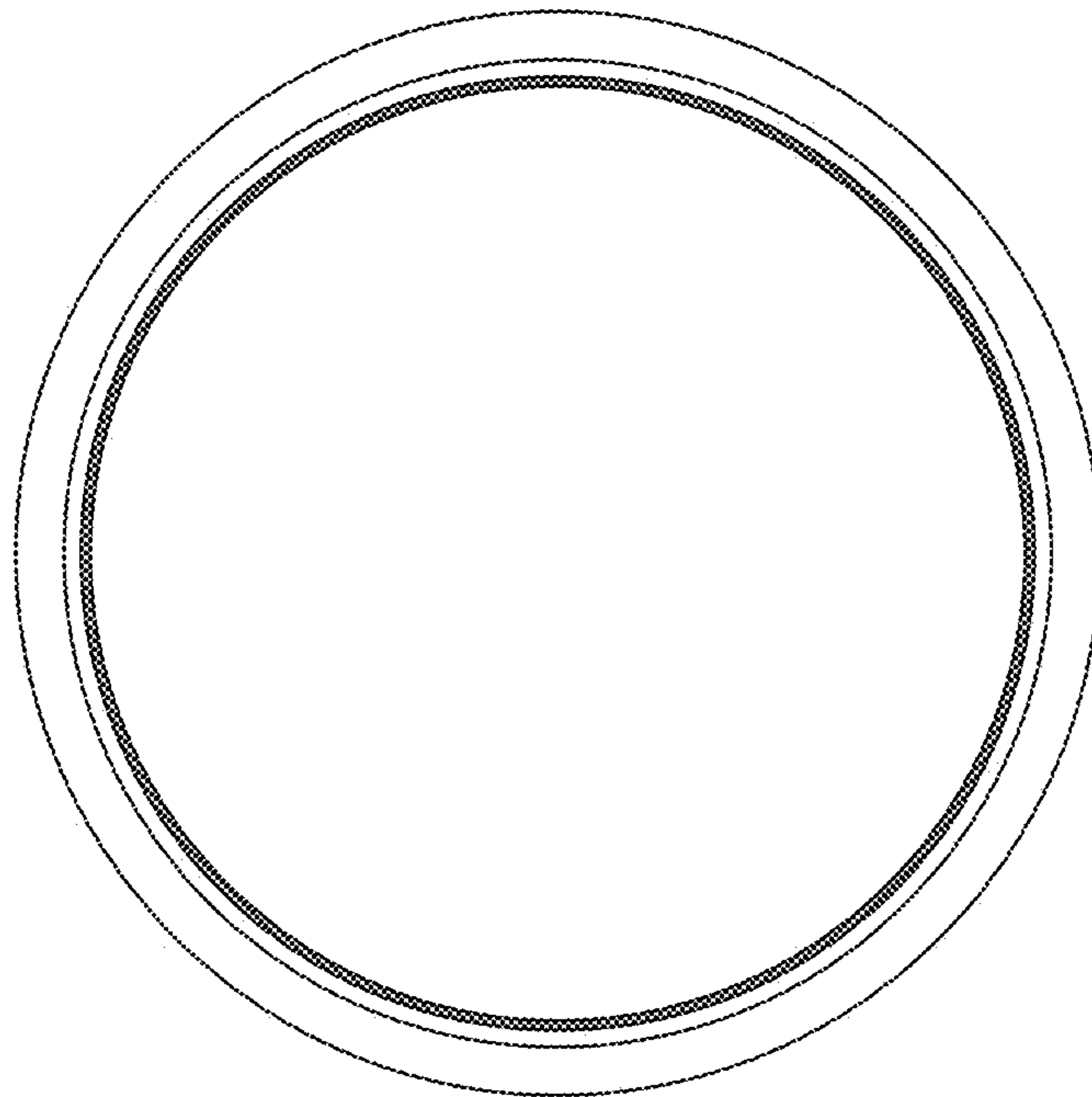


FIG. 24

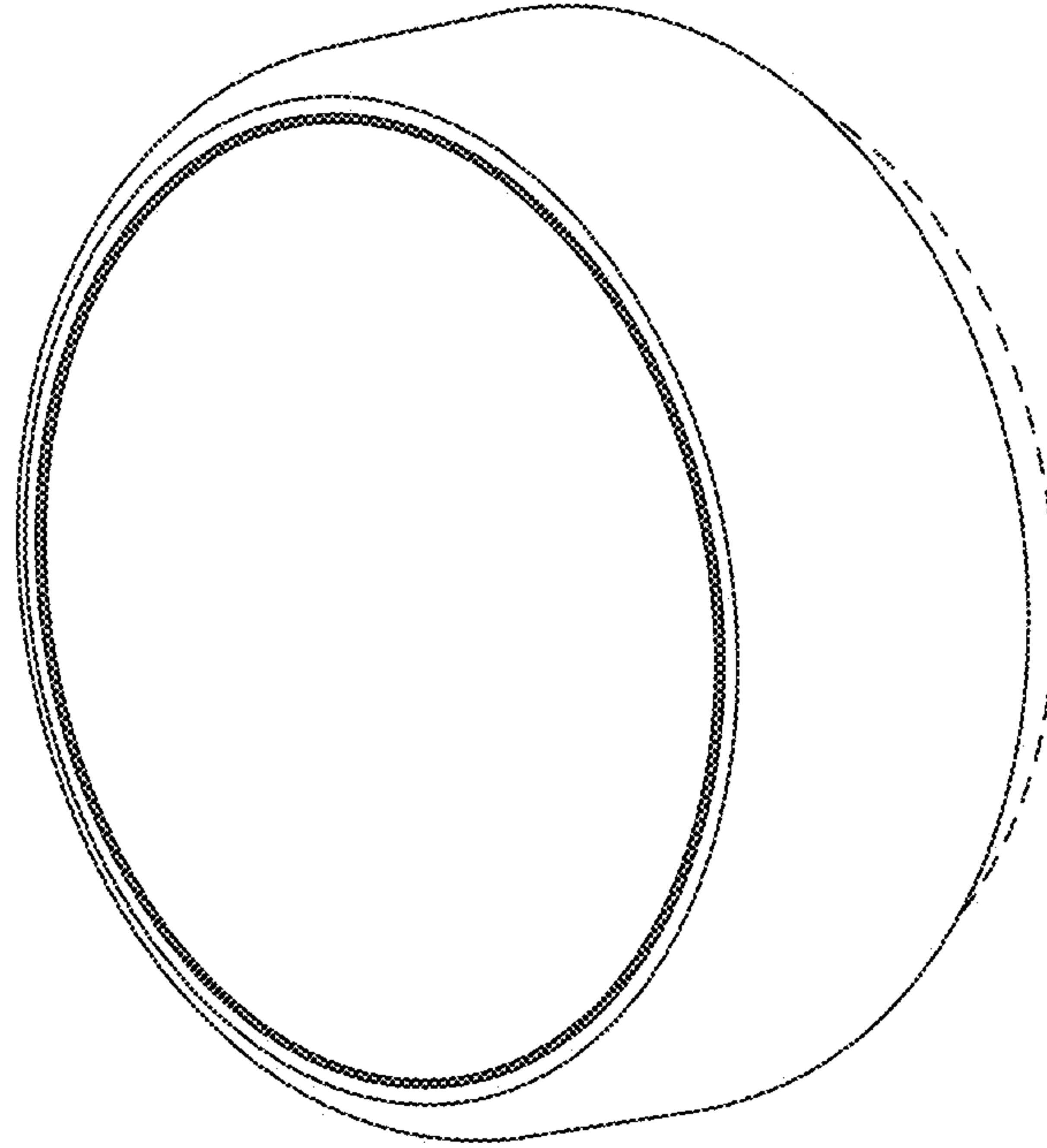


FIG. 25

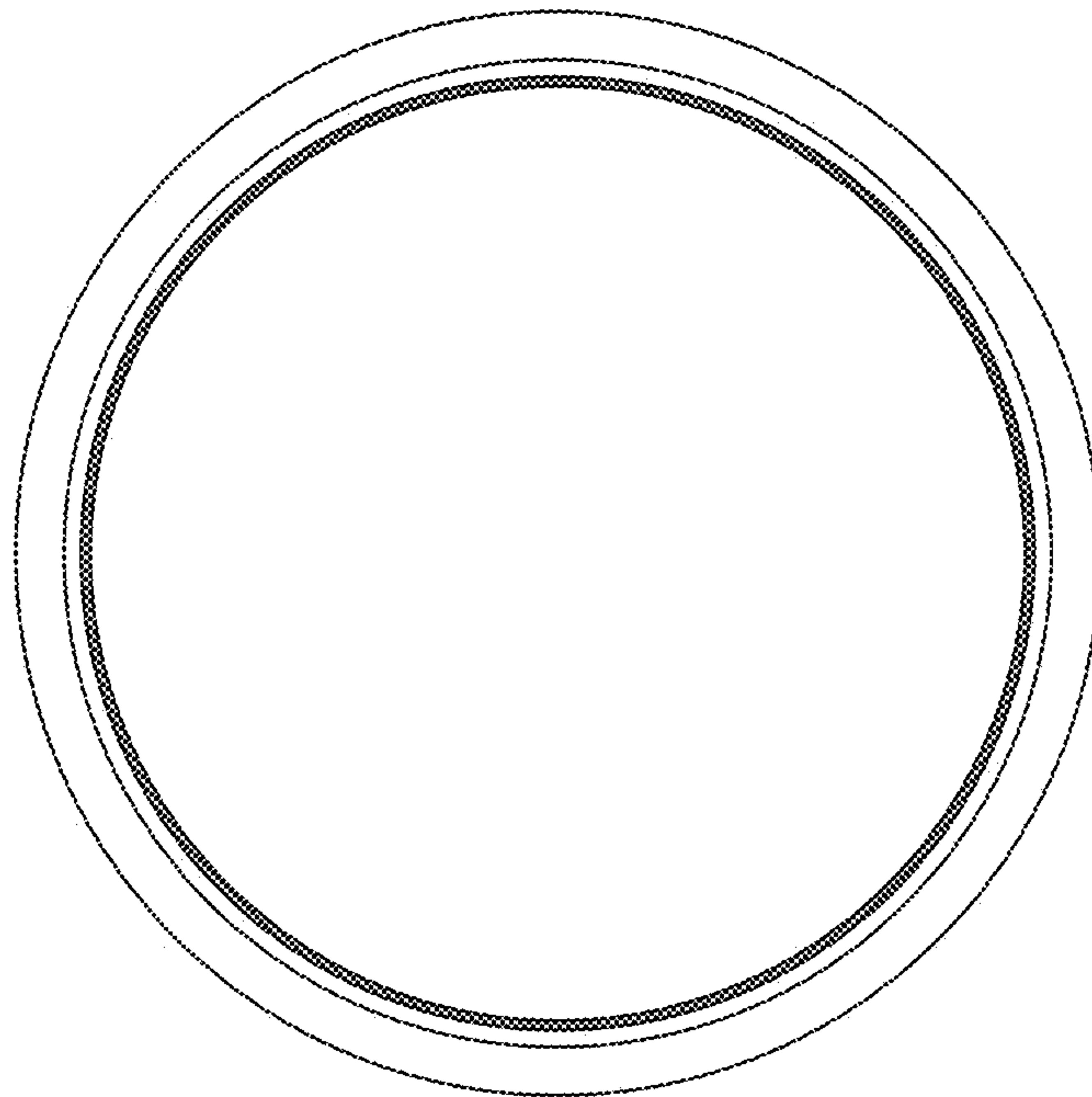


FIG. 26

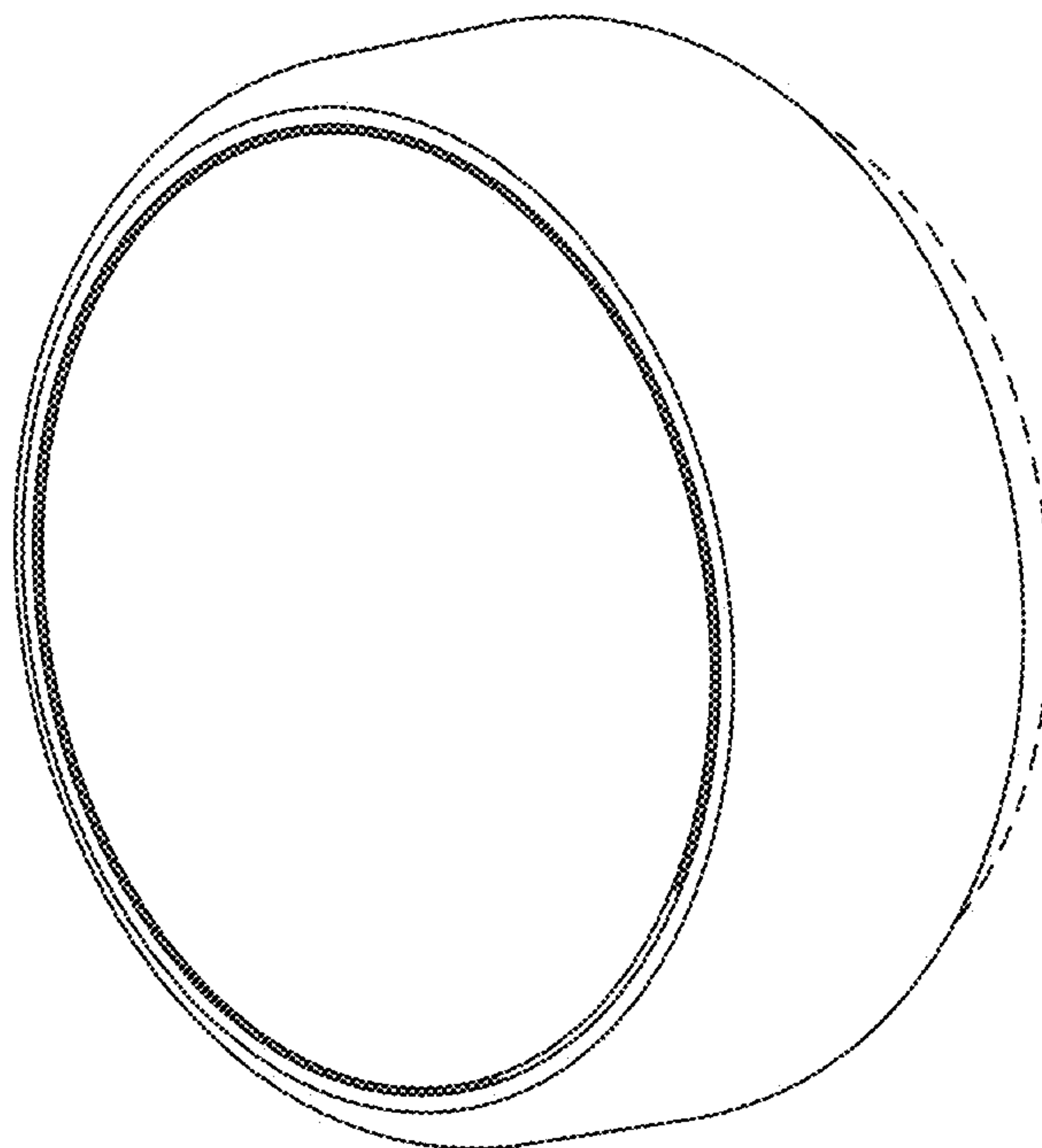


FIG. 27

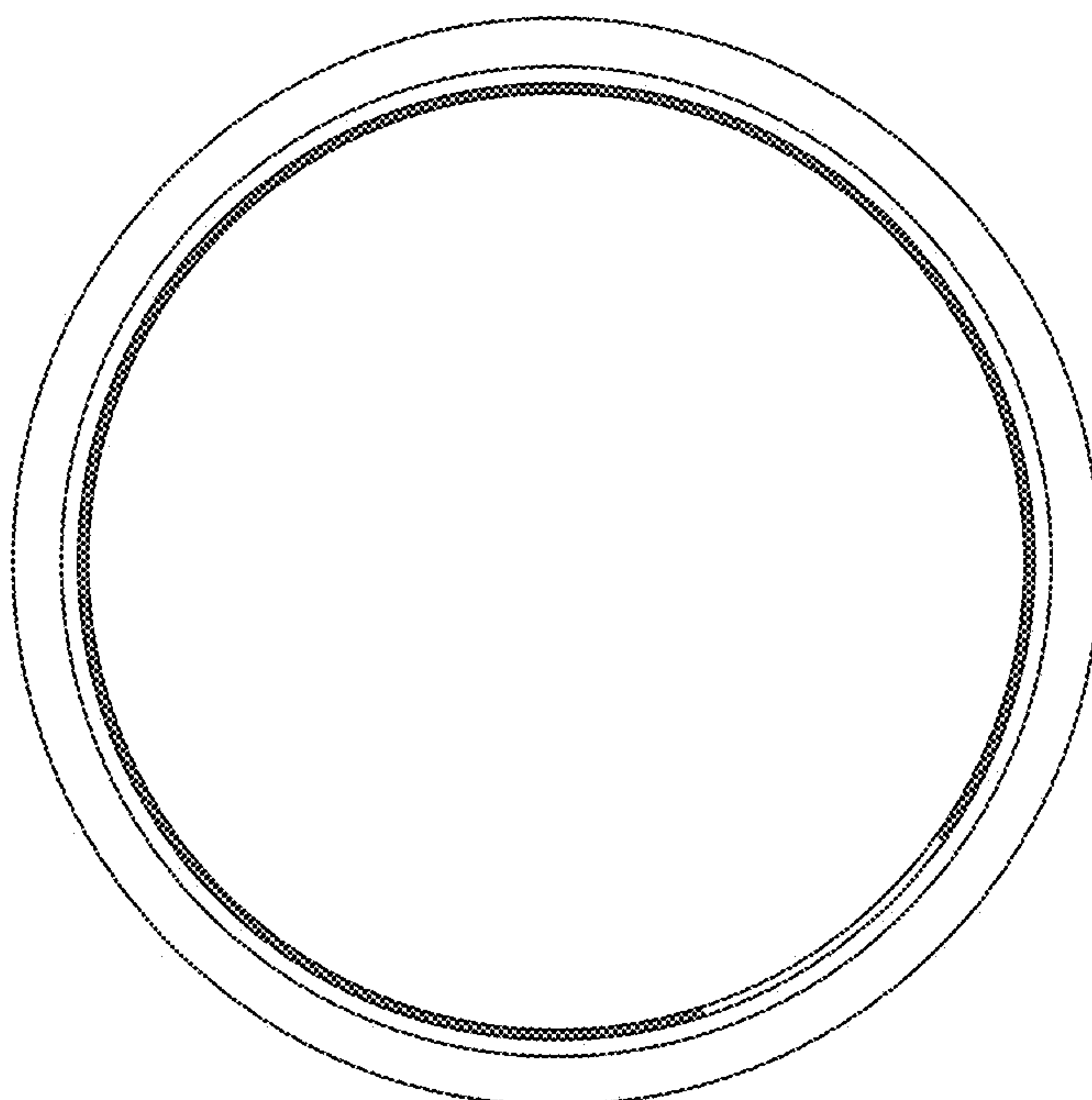


FIG. 28

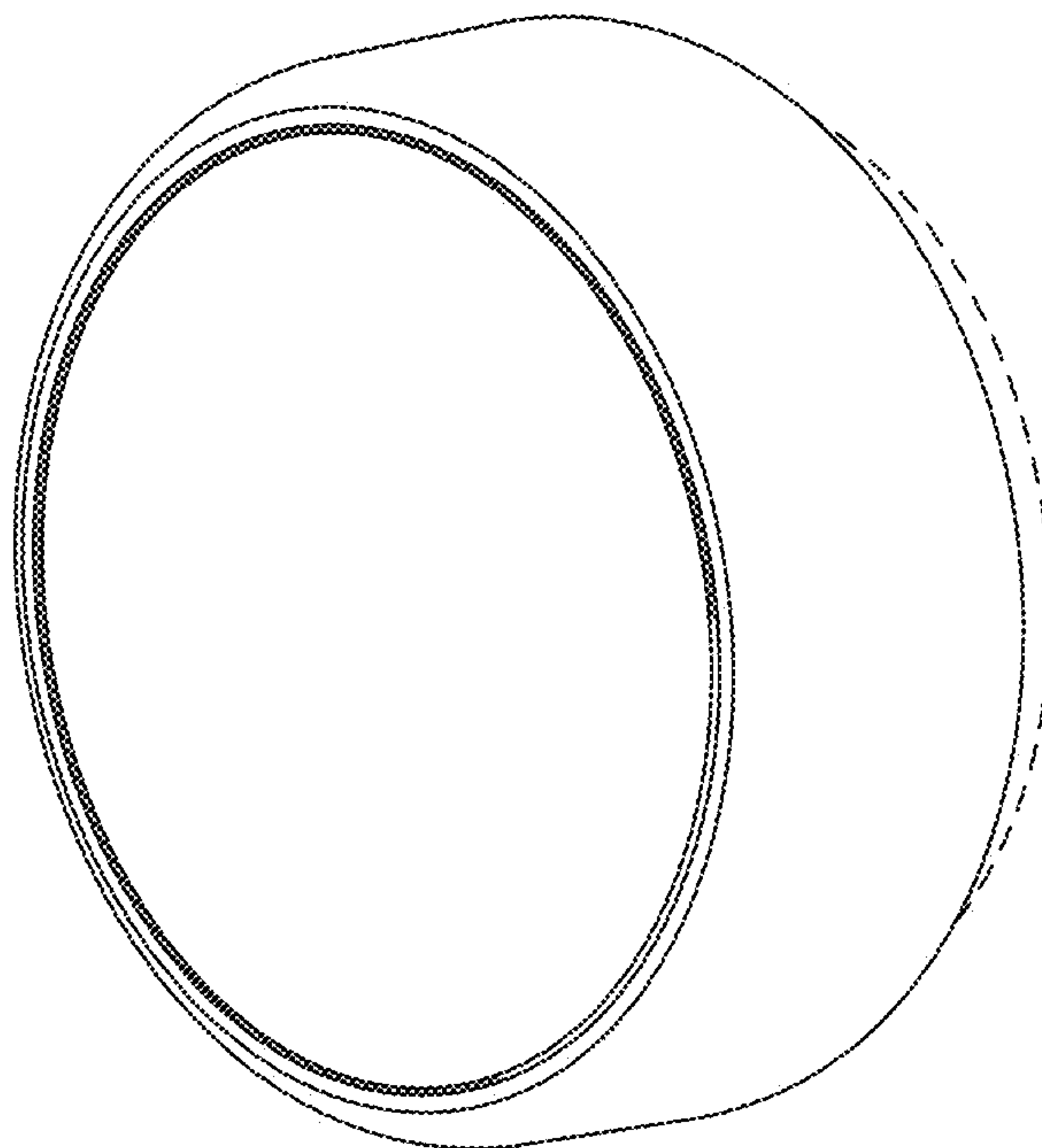


FIG. 29

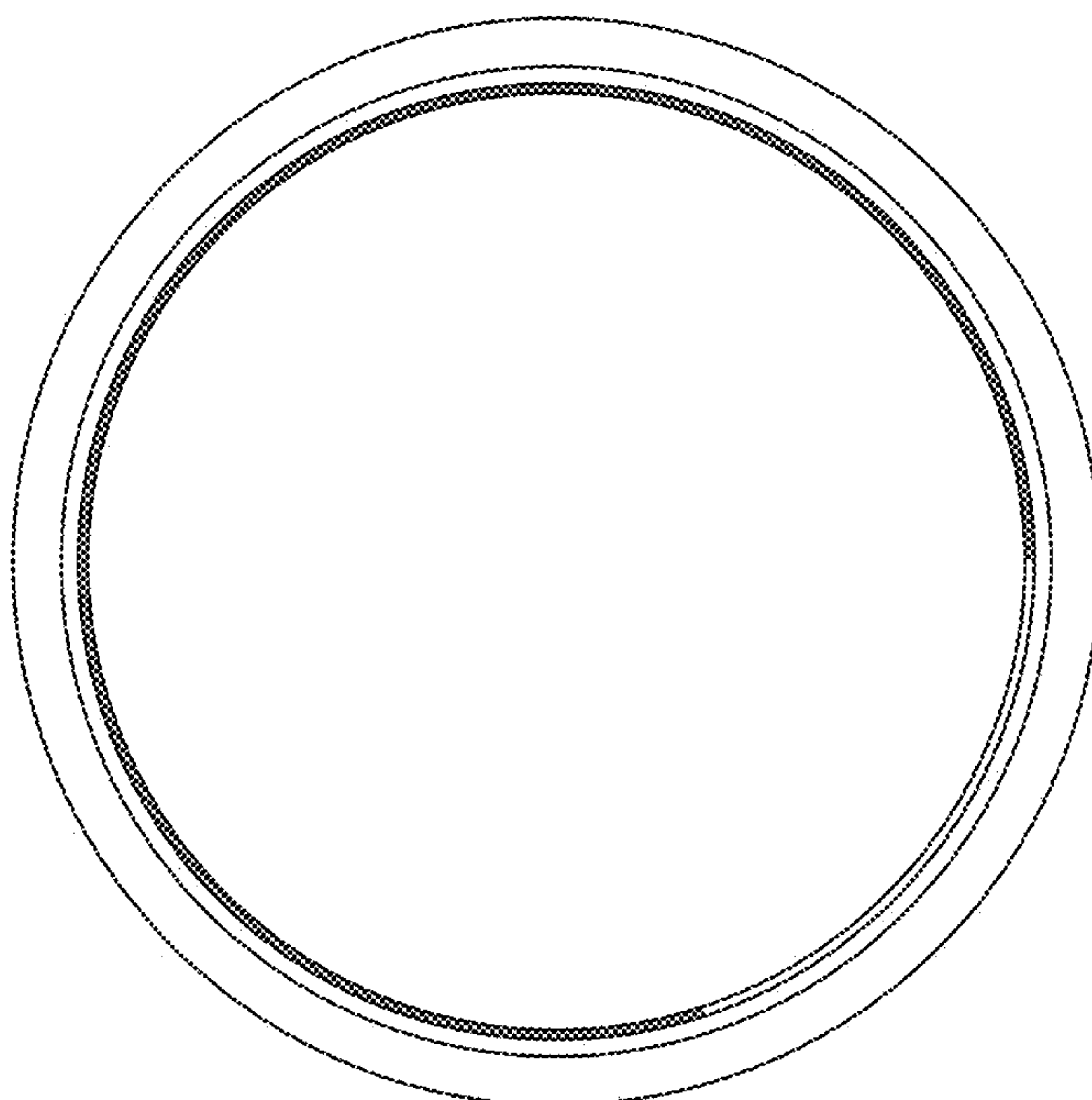


FIG. 30

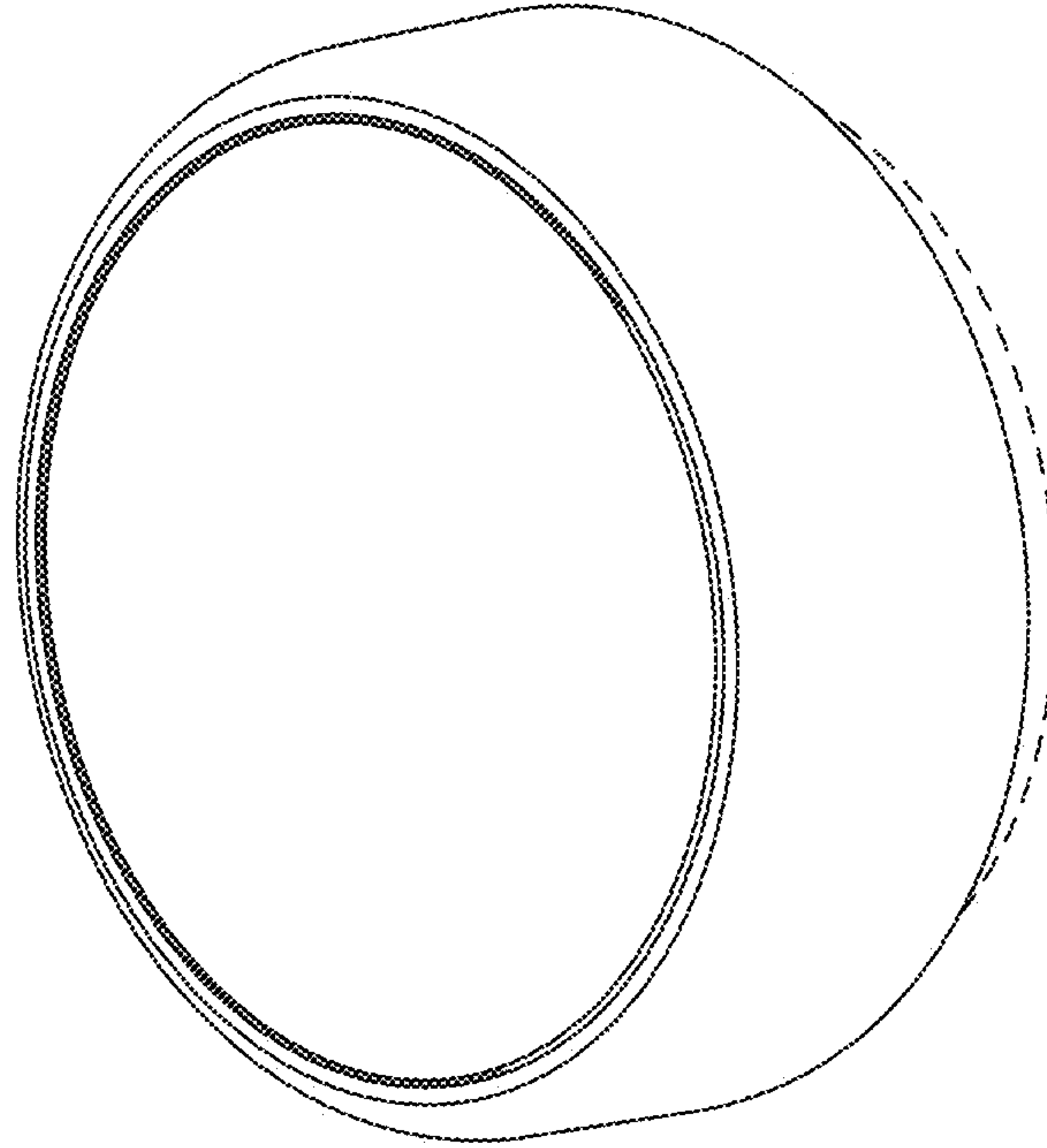


FIG. 31

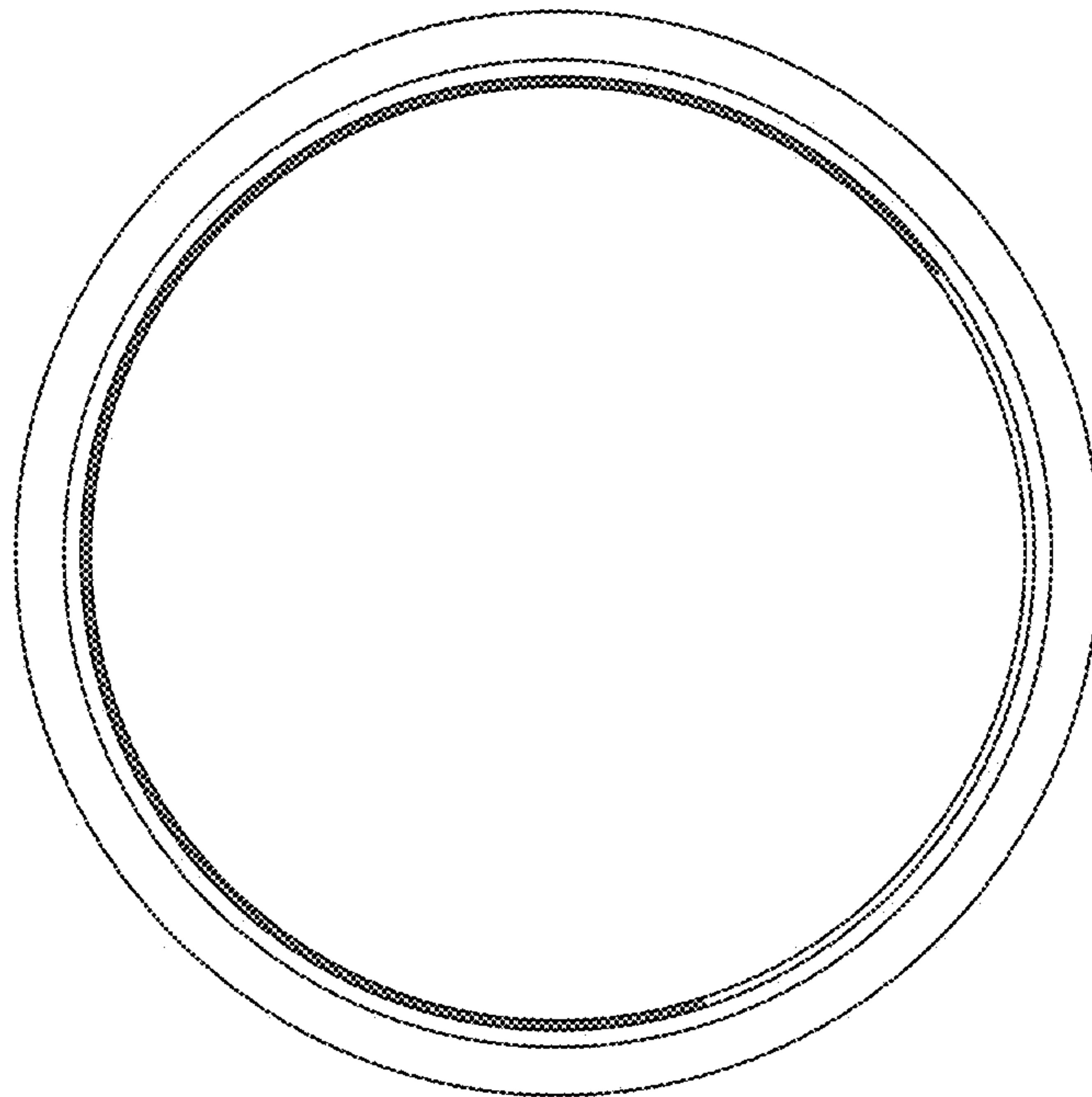


FIG. 32

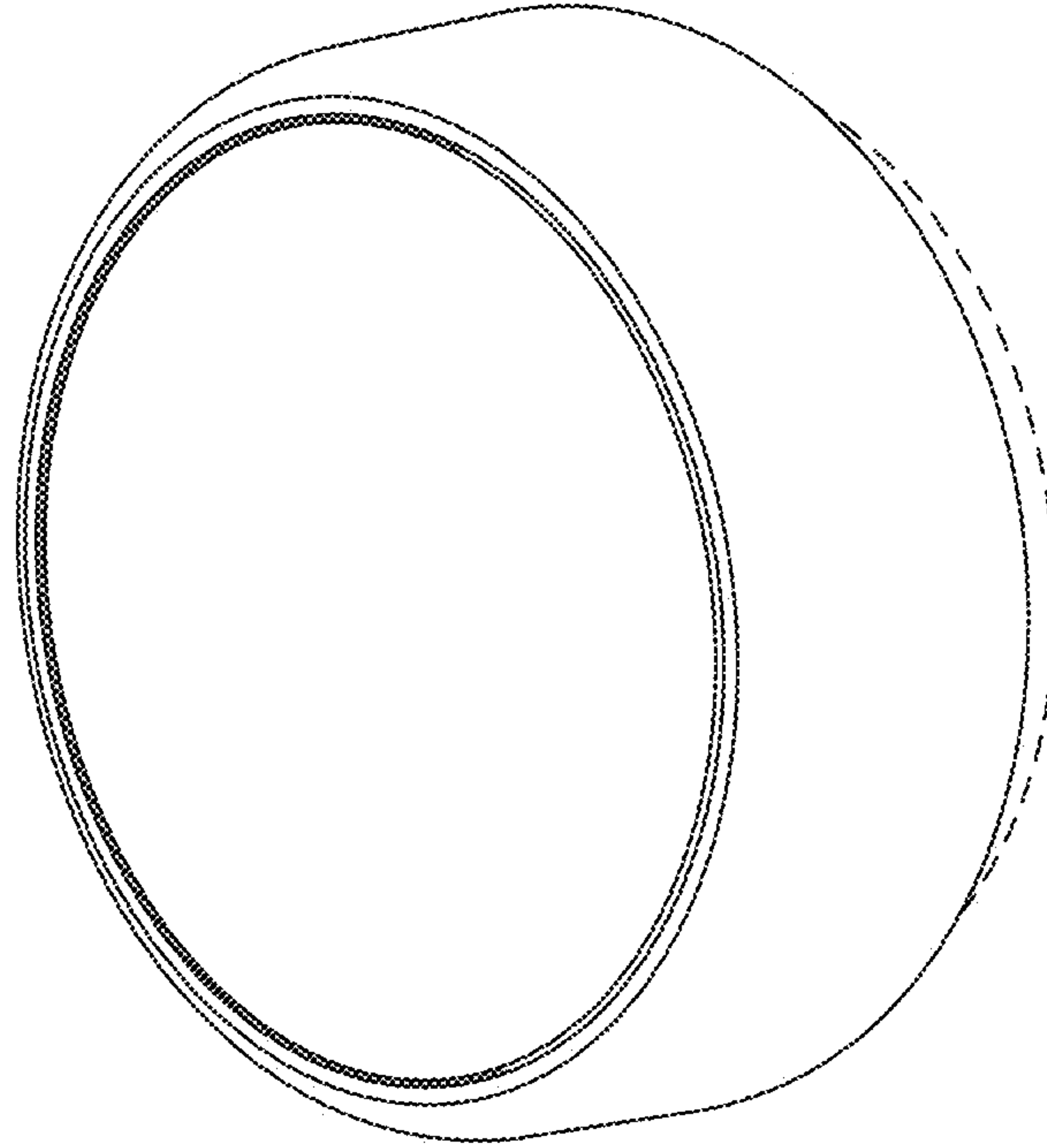


FIG. 33

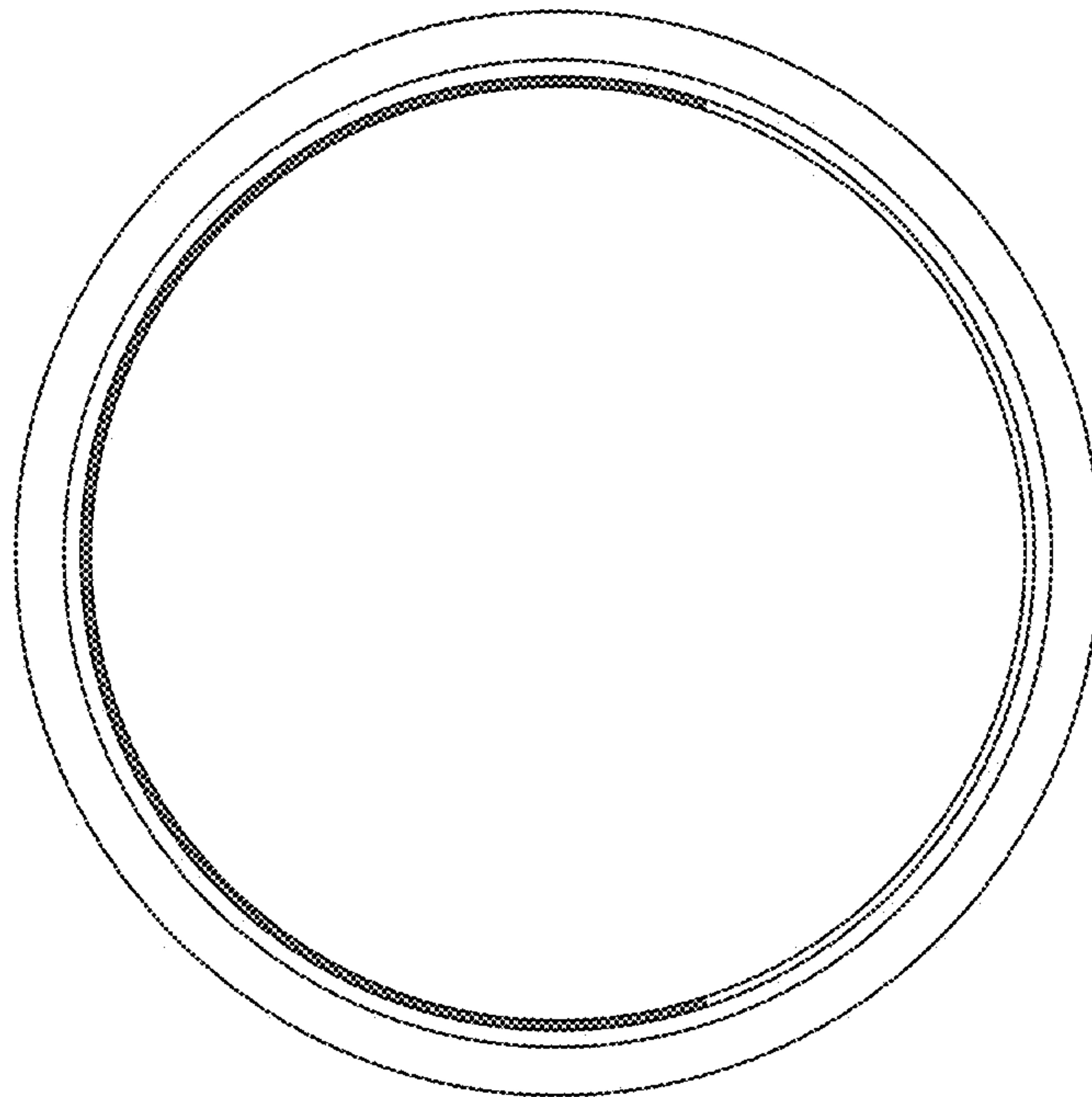


FIG. 34

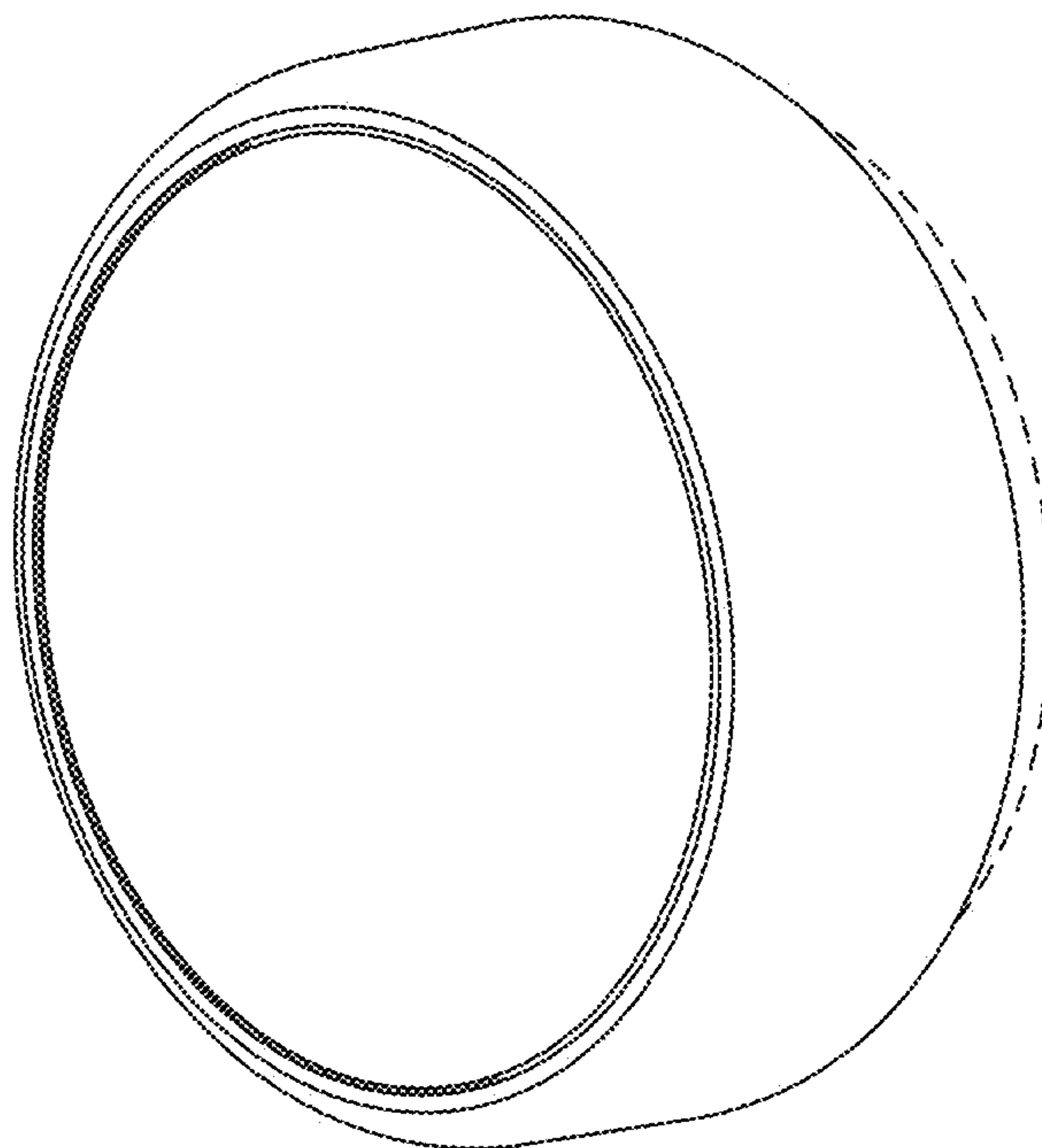


FIG. 35

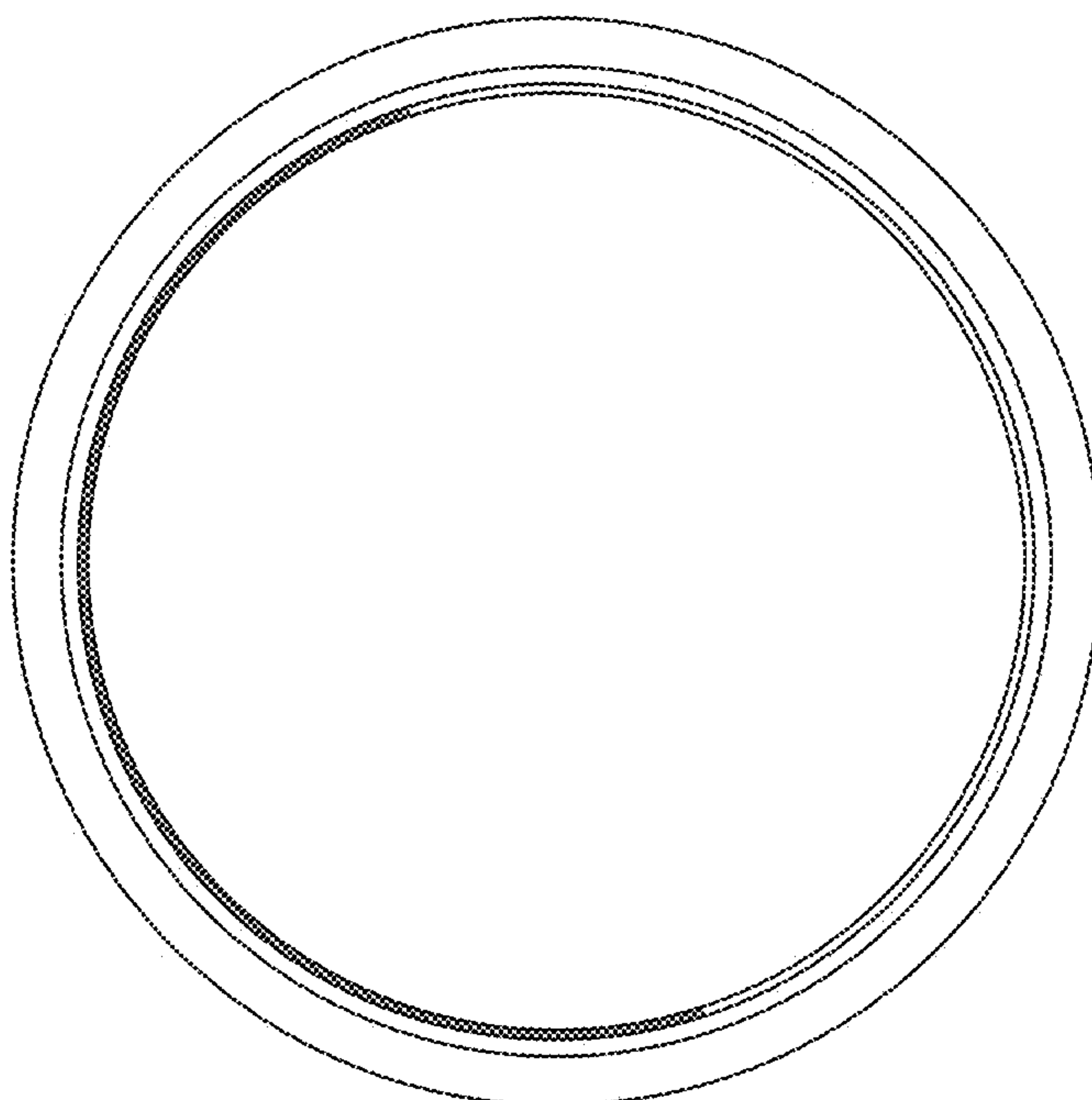


FIG. 36

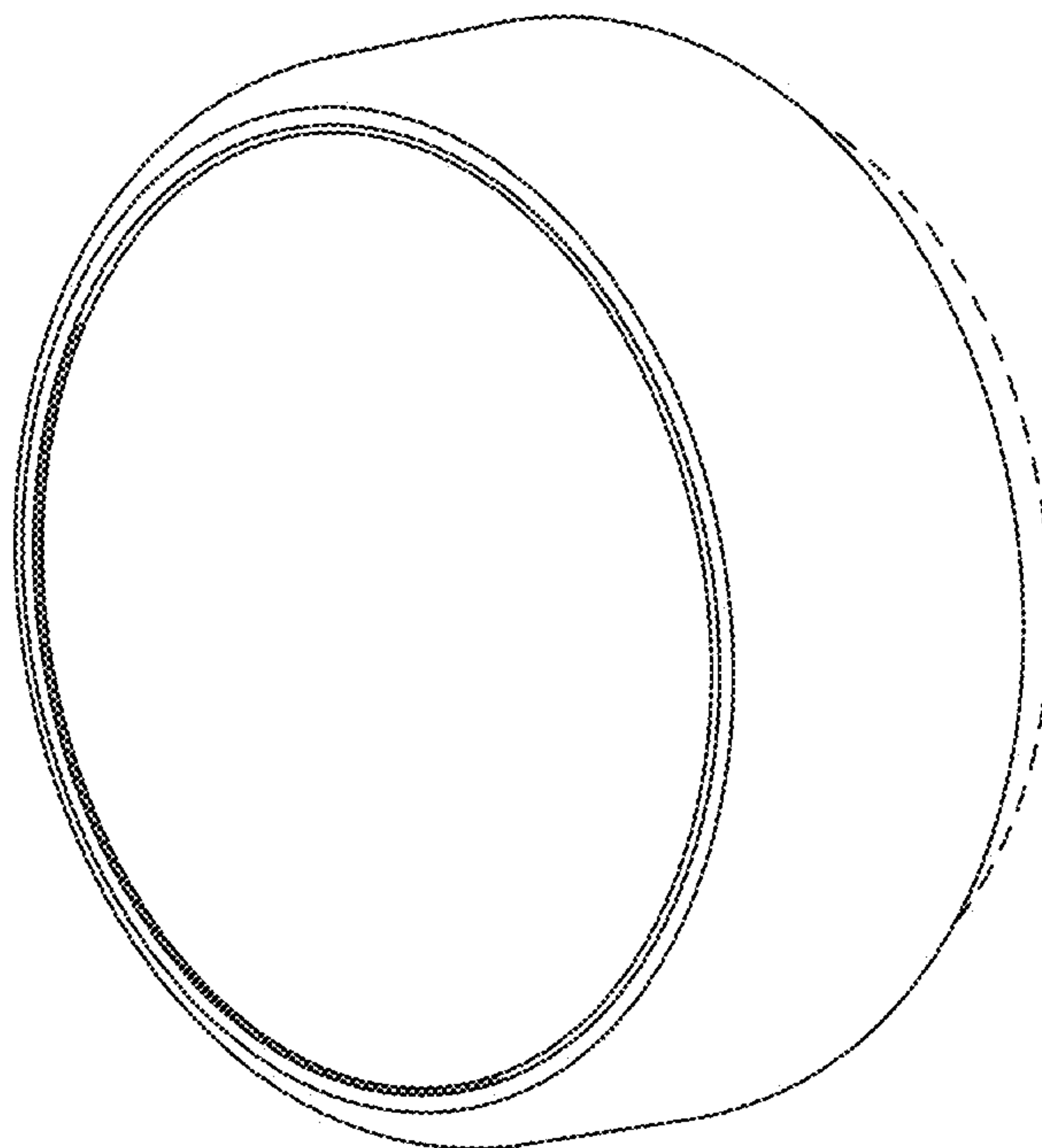


FIG. 37

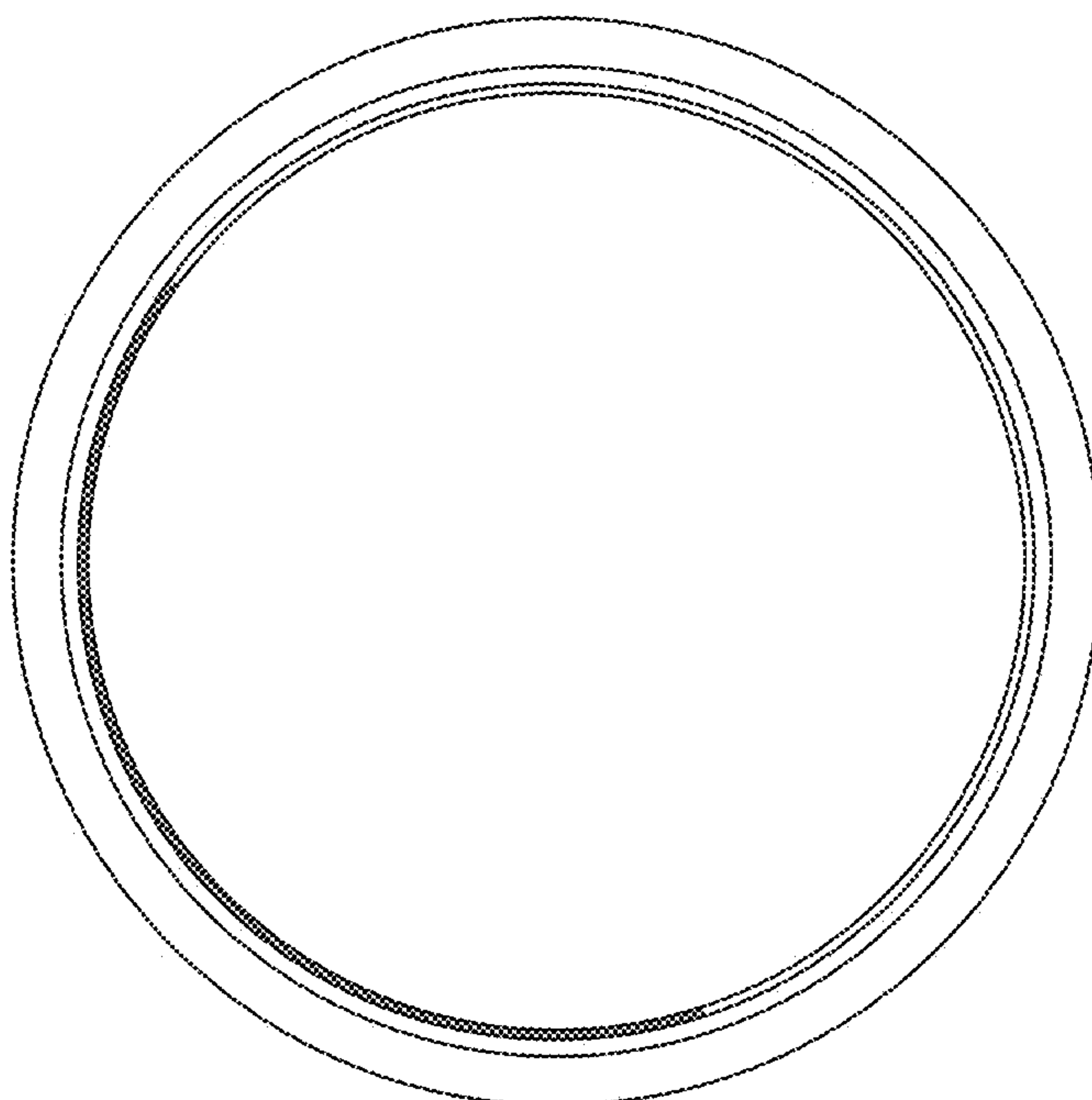


FIG. 38

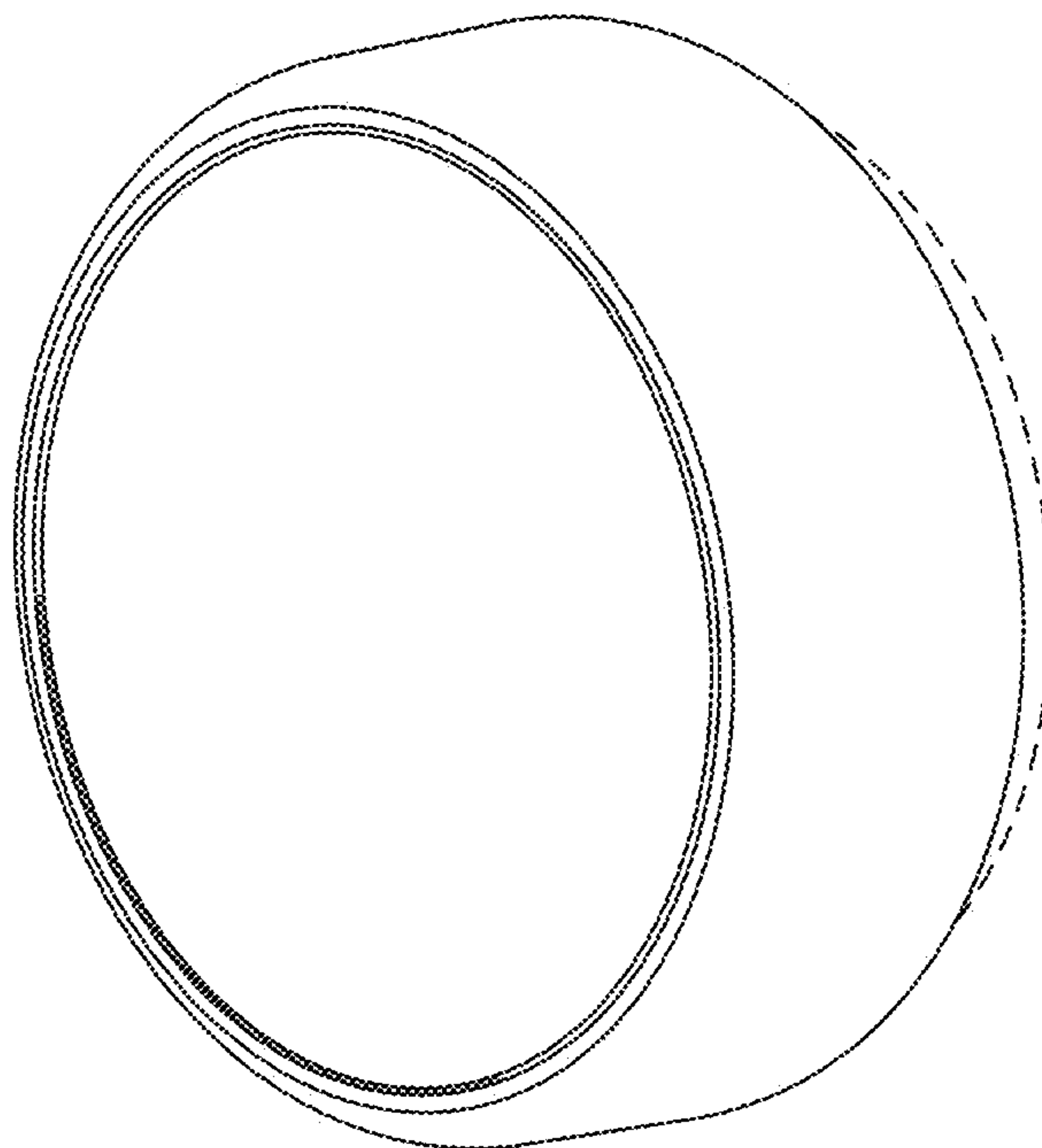


FIG. 39

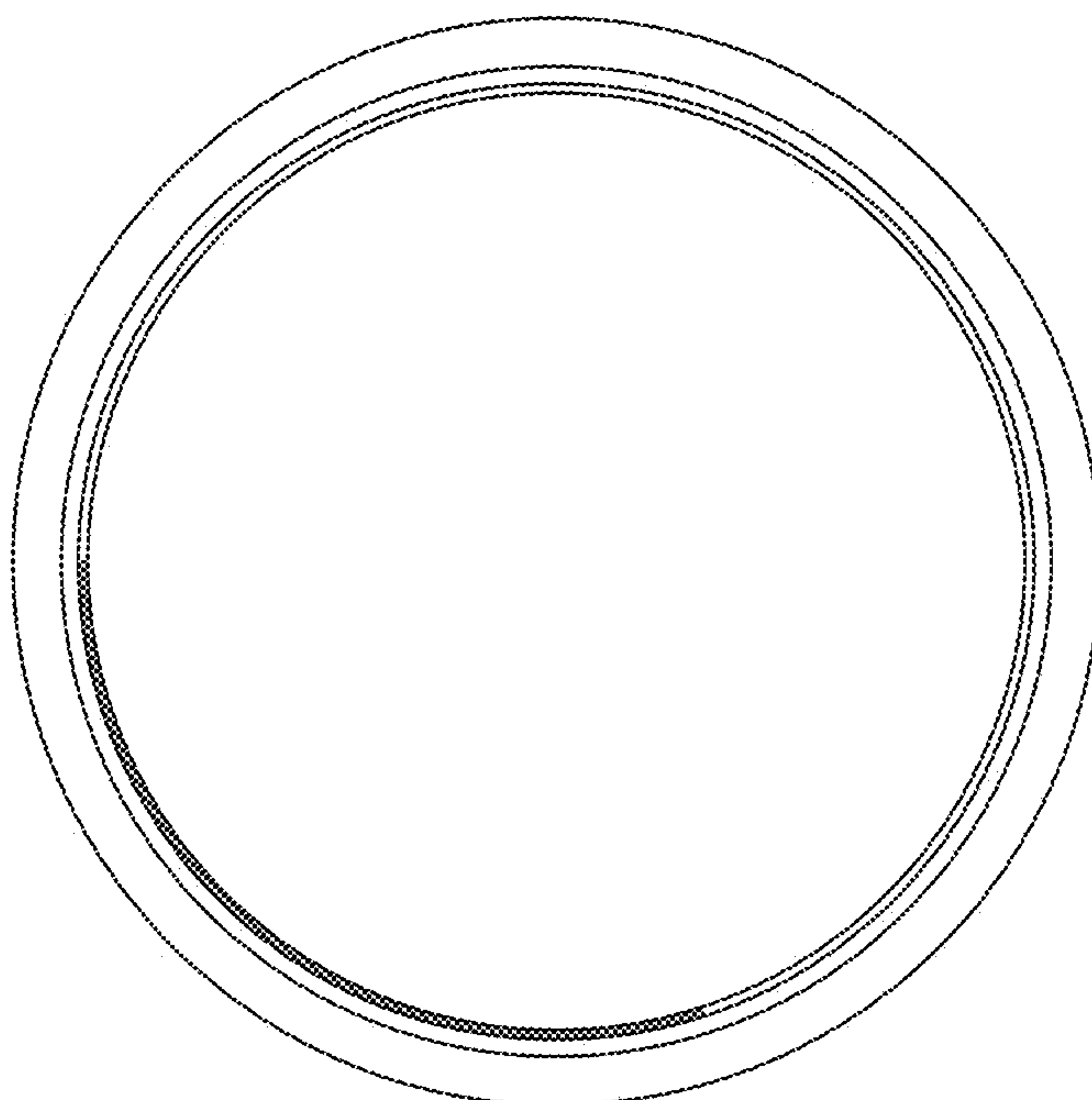


FIG. 40

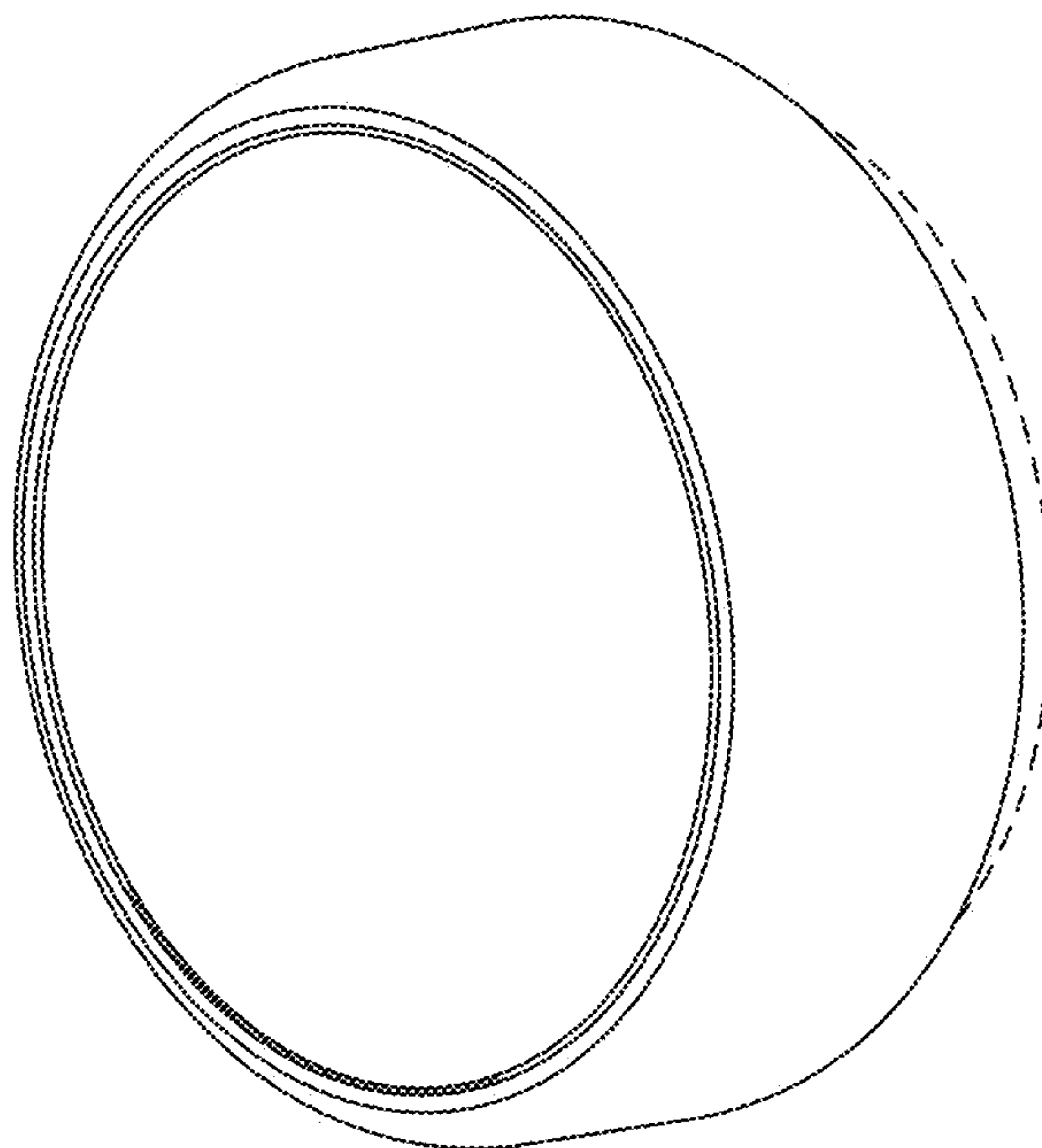


FIG. 41

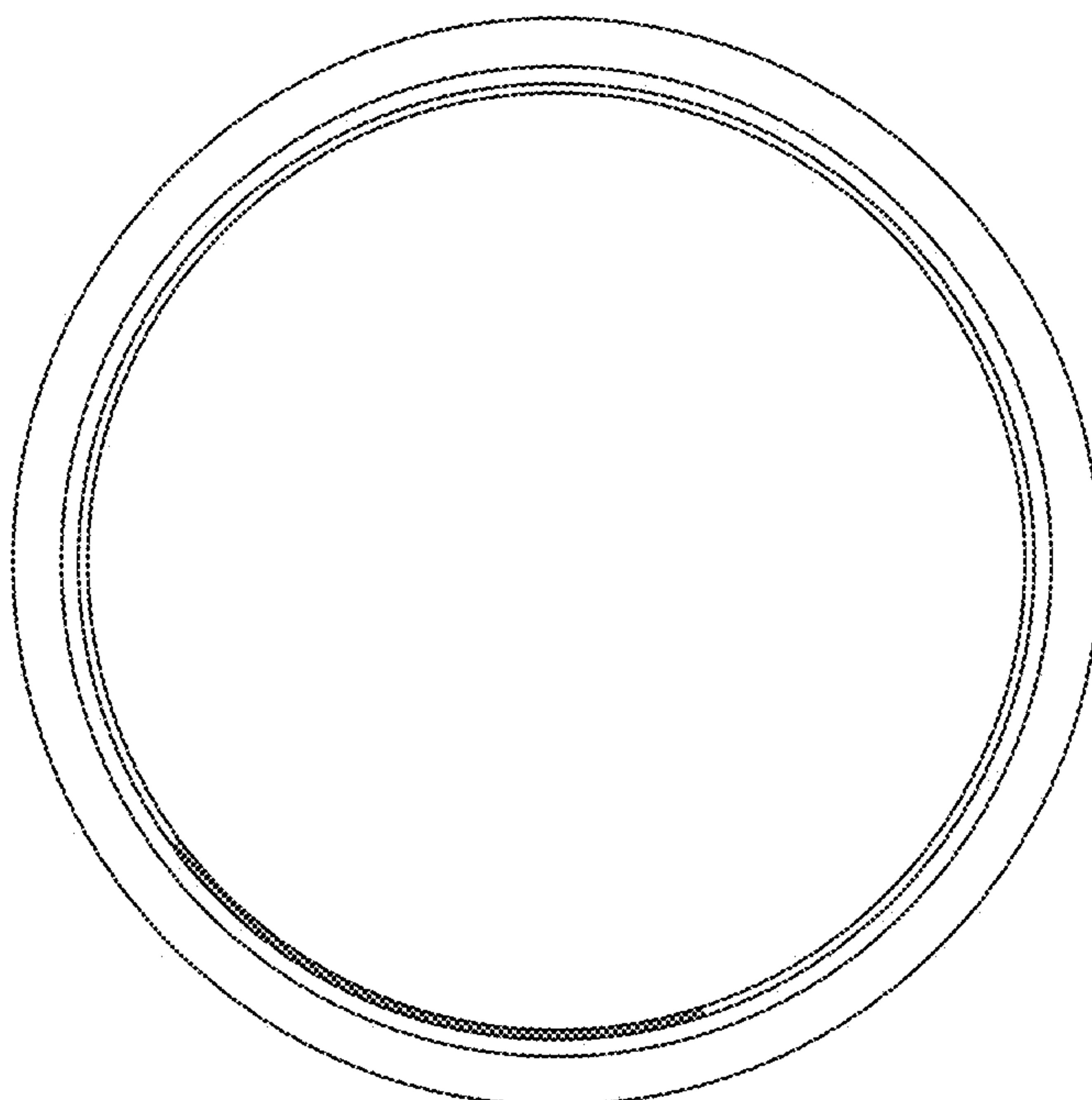


FIG. 42

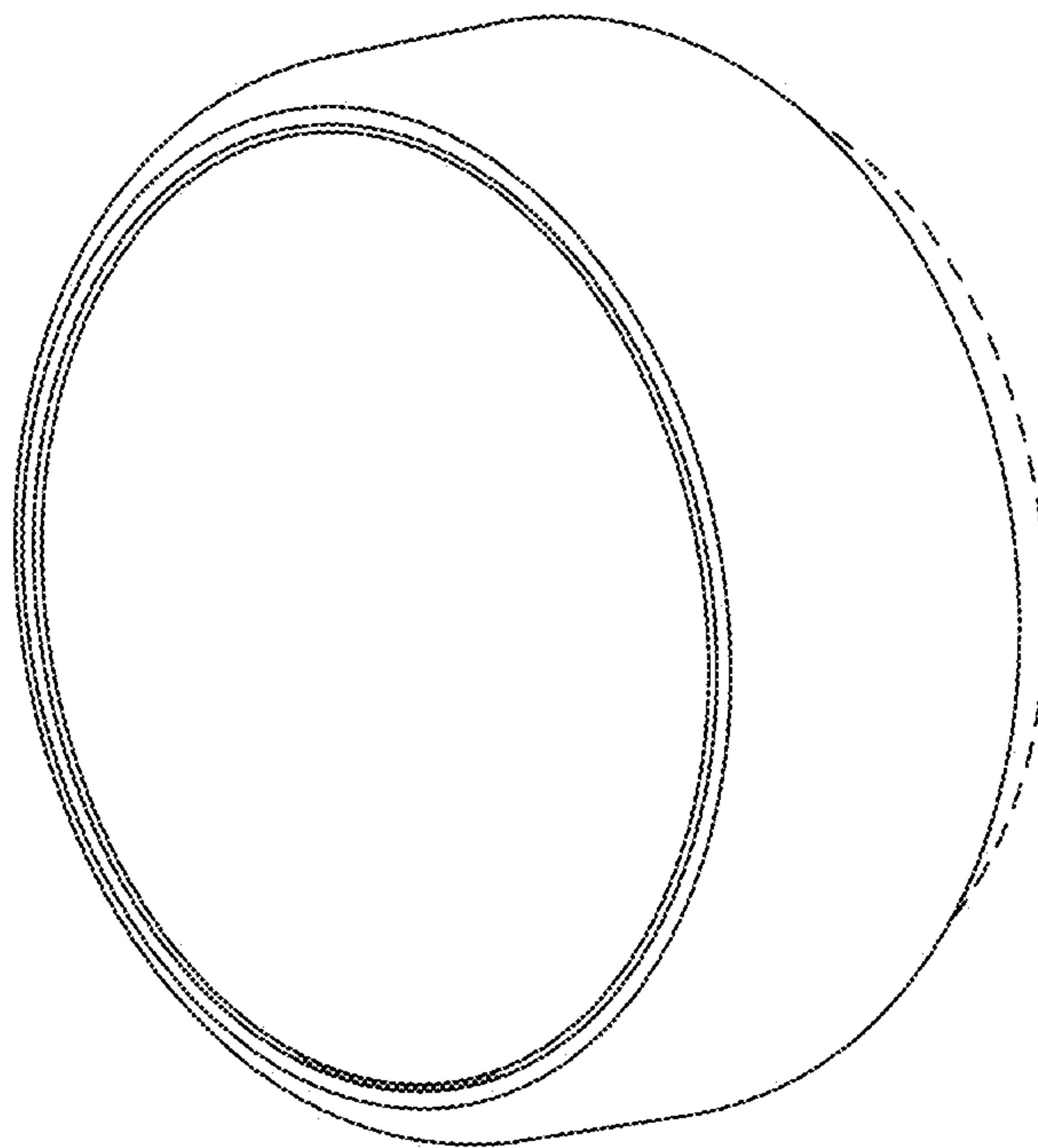


FIG. 43

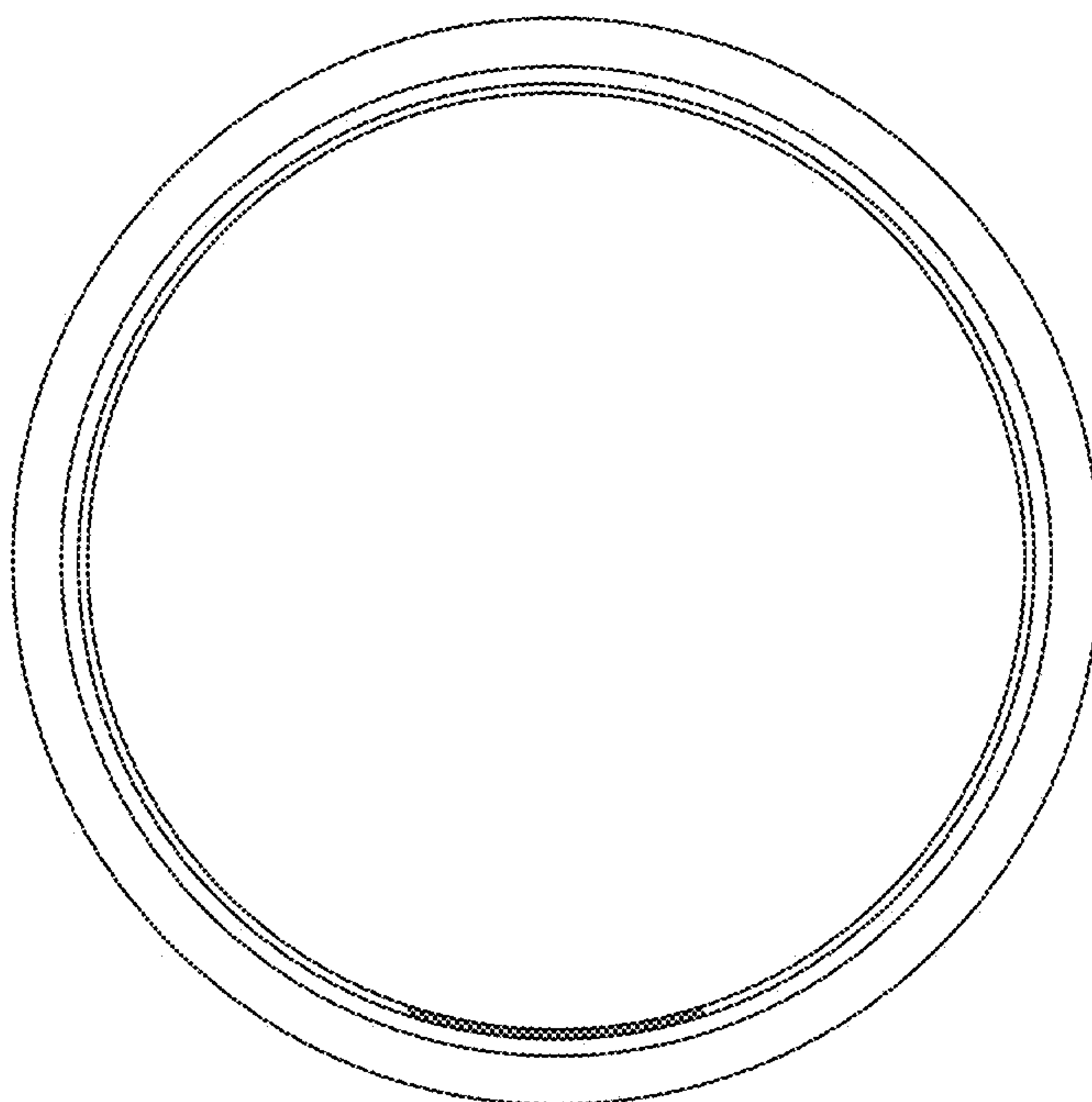


FIG. 44