



US00D874916S

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

(10) **Patent No.:** **US D874,916 S**

(45) **Date of Patent:** **** Feb. 11, 2020**

(54) **WASHER**

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(73) Assignee: **Rodenhouse, Inc.**, Grand Rapids, MI (US)

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

(21) Appl. No.: **29/667,615**

(22) Filed: **Oct. 23, 2018**

(51) **LOC (12) Cl.** **08-08**

(52) **U.S. Cl.**
USPC **D8/399**

(58) **Field of Classification Search**
USPC D8/397, 394, 382, 349, 399; 411/427, 411/374

CPC A61B 17/0401; E04D 13/1476; E04G 25/065; F16B 41/002; F16B 23/0061; F16B 37/14; F16B 35/00

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

| | | | | |
|-----------|-----|---------|-----------------|-----------------|
| 92,199 | A * | 7/1869 | Mair | 24/713.7 |
| 139,230 | A * | 5/1873 | Bell | 403/210 |
| D32,793 | S | 6/1900 | Fauber | |
| 713,537 | A * | 11/1902 | Treadwell | 403/282 |
| 2,379,804 | A * | 7/1945 | Johnson | 411/302 |
| D172,741 | S * | 8/1954 | Cooper | D8/367 |
| 2,813,692 | A * | 11/1957 | Peterson et al. | 248/56 |
| 3,069,919 | A | 12/1962 | Schultz, Jr. | |
| D197,915 | S * | 4/1964 | Ayars | 7/164 |
| 4,089,077 | A * | 5/1978 | Morton | B25F 1/00 7/138 |

| | | | | |
|-----------|-----|---------|----------------|-----------|
| 4,102,239 | A | 7/1978 | Dallas | |
| D249,326 | S * | 9/1978 | Johanson | D8/367 |
| 4,114,597 | A | 9/1978 | Erb | |
| 4,292,876 | A | 10/1981 | De Graan | |
| 4,371,293 | A * | 2/1983 | Wilcox et al. | 405/302.1 |
| D269,410 | S * | 6/1983 | Johansson | D8/367 |
| D269,411 | S * | 6/1983 | Johansson | D8/367 |
| D290,965 | S * | 7/1987 | Satalof et al. | D17/13 |

(Continued)

FOREIGN PATENT DOCUMENTS

DE 102007026733 A1 12/2008

OTHER PUBLICATIONS

Brochure disclosing 2" diameter Plasti-Grip® PBLP2 washer distributed by Rodenhouse Inc. more than one year prior to Sep. 6, 2012.

(Continued)

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(57) **CLAIM**

The ornamental design for the washer, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of the washer showing the design in an environment of use;

FIG. 2 is a top perspective view of the washer of FIG. 1;

FIG. 3 is a top plan view of the washer of FIG. 1;

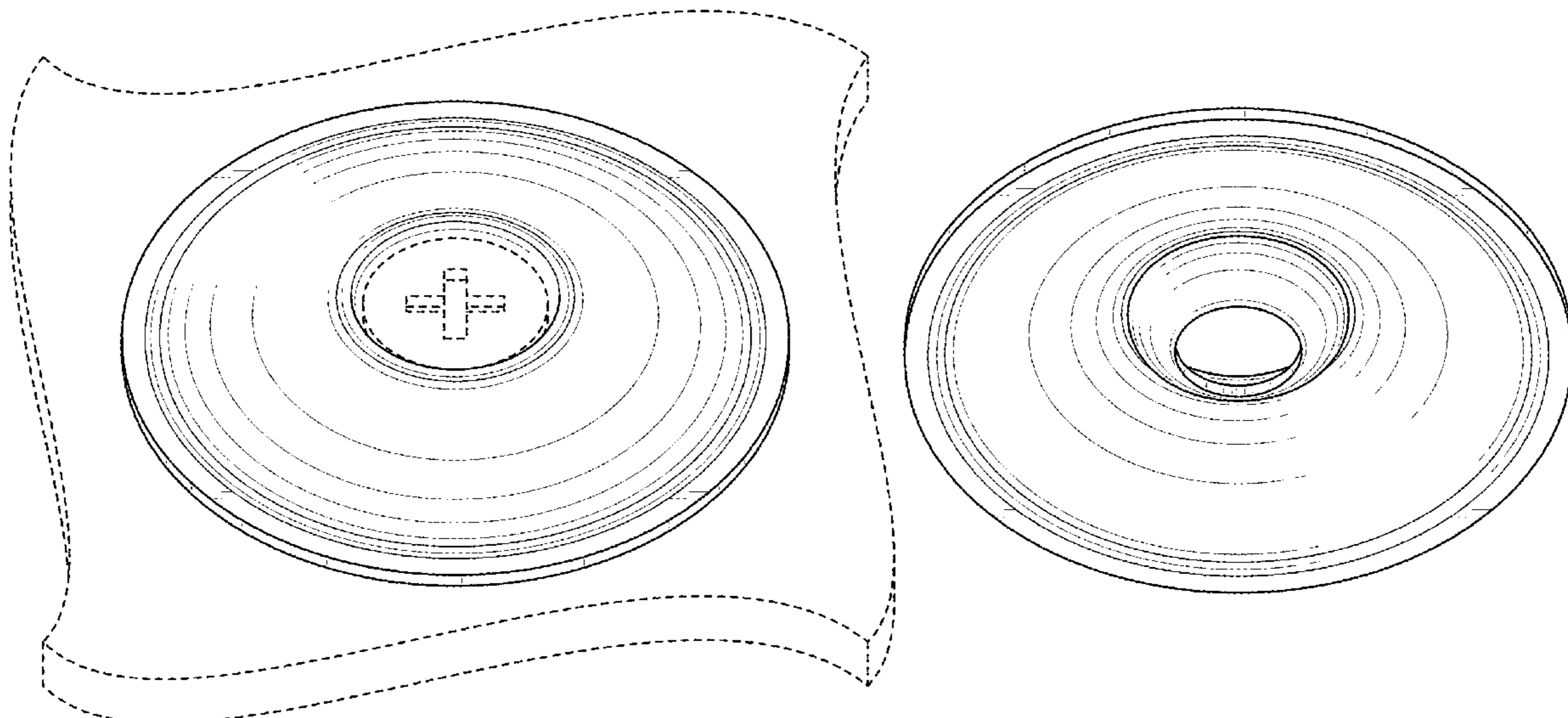
FIG. 4 is a bottom plan view of the washer of FIG. 1;

FIG. 5 is a side elevation view of the washer of FIG. 1; and,

FIG. 6 is a bottom perspective view of the washer of FIG. 1.

The broken lines represent environment and form no part of the claim.

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

4,793,757 A 12/1988 Peterson
 4,959,938 A 10/1990 De Caro
 5,079,055 A 1/1992 Doyle
 D331,695 S * 12/1992 O'Keefe D8/356
 D339,814 S * 9/1993 Pepper D15/139
 5,251,964 A * 10/1993 Ojanen B23K 1/001
 175/435
 5,419,666 A 5/1995 Best
 5,423,858 A 6/1995 Bolanos et al.
 D360,127 S * 7/1995 Stiner D20/42
 D364,084 S * 11/1995 Yaich D8/356
 5,517,883 A 5/1996 Goldi et al.
 5,541,377 A 7/1996 Stuhlmacher
 5,684,258 A * 11/1997 Liao G10D 13/00
 224/910
 5,803,693 A 9/1998 Choiniere et al.
 D399,730 S * 10/1998 Pitre D8/399
 5,819,610 A * 10/1998 Brannan B25B 13/48
 81/437
 5,833,422 A 11/1998 Haga et al.
 D410,869 S 6/1999 Singer
 6,039,525 A 3/2000 Johnson
 6,130,375 A * 10/2000 Kellogg et al. 84/327
 6,231,063 B1 5/2001 Chi
 6,505,532 B1 * 1/2003 Lawson B25B 13/48
 81/124.3
 D482,270 S 11/2003 Derilo
 6,665,991 B2 12/2003 Hasan
 6,781,048 B1 * 8/2004 Royce 84/454
 D517,404 S 3/2006 Schluter
 7,090,455 B2 8/2006 Lamb
 D549,091 S 8/2007 McIntyre et al.
 D550,545 S * 9/2007 Ernst et al. D8/373
 D563,206 S * 3/2008 Bakker et al. D8/356
 7,415,803 B2 8/2008 Bronner
 D576,480 S 9/2008 Vakiener et al.
 D596,934 S 7/2009 Vakiener et al.
 D598,919 S * 8/2009 Takemasa et al. D14/432
 D620,781 S * 8/2010 Weckworth D8/356
 D625,915 S * 10/2010 Parsley et al. D3/232
 D630,497 S * 1/2011 Allina, Jr. H01R 4/48
 D8/356
 D634,248 S 3/2011 Chen
 7,896,380 B2 3/2011 Tange
 D636,623 S * 4/2011 Edgemont D6/595
 7,930,800 B1 * 4/2011 Castrale et al. 16/2.2
 D644,921 S 9/2011 Hsu et al.
 D645,337 S 9/2011 Hsu et al.
 8,096,017 B2 * 1/2012 Van Walraven et al. 16/2.1
 D660,691 S 5/2012 Yamazaki
 D661,343 S * 6/2012 Cox D17/99
 D663,243 S 7/2012 Li
 8,336,275 B2 12/2012 Rodenhouse
 D674,350 S * 1/2013 Hodge et al. D13/155
 D679,169 S 4/2013 Else
 D679,572 S 4/2013 Attaway
 8,413,740 B2 4/2013 Rodenhouse
 D682,666 S 5/2013 Wigboldy
 D684,845 S * 6/2013 Wood A62B 35/04
 D8/356
 D691,034 S * 10/2013 Field D8/399
 8,545,157 B2 * 10/2013 Golovashchenko 411/531
 8,567,029 B2 * 10/2013 Oymaian B23D 63/18
 254/25
 D693,668 S * 11/2013 Wojtowicz D8/394
 8,616,818 B2 * 12/2013 Travis F16B 43/00
 411/371.1
 D696,930 S 1/2014 Rodenhouse et al.
 D696,931 S 1/2014 Rodenhouse et al.
 D696,932 S 1/2014 Rodenhouse et al.
 D713,237 S * 9/2014 Towner D8/323
 D713,240 S * 9/2014 Chance D8/356
 D744,799 S 12/2015 Rodenhouse et al.

D748,973 S 2/2016 Rodenhouse et al.
 D749,941 S 2/2016 Rodenhouse et al.
 9,309,915 B1 4/2016 Rodenhouse et al.
 D755,622 S 5/2016 Rodenhouse et al.
 D763,674 S * 8/2016 Nagaki D8/394
 D769,111 S * 10/2016 Kamiya D8/394
 D776,519 S * 1/2017 Almaghlouth D8/399
 D778,702 S * 2/2017 Mouthaan D8/71
 9,631,667 B2 4/2017 Rodenhouse et al.
 D795,685 S 8/2017 Rodenhouse et al.
 D809,375 S * 2/2018 Wyser D8/395
 9,890,807 B1 2/2018 Rodenhouse et al.
 9,945,414 B1 4/2018 Rodenhouse et al.
 D817,140 S * 5/2018 Mouthaan D8/71
 9,989,082 B2 6/2018 Rodenhouse et al.
 10,006,479 B2 * 6/2018 Dickinson B29C 45/006
 D830,161 S * 10/2018 Russo D8/399
 D835,503 S * 12/2018 Votel D8/394
 D835,979 S * 12/2018 Lin D8/399
 10,159,378 B1 * 12/2018 Orban A47J 36/12
 10,174,783 B1 * 1/2019 Nichols F16B 43/001
 D840,779 S * 2/2019 Votel D8/72
 D844,424 S * 4/2019 MacDonald D8/399
 D845,100 S * 4/2019 Gonzalez Garcia D8/71
 2004/0060723 A1 4/2004 Pallapothu
 2004/0084099 A1 5/2004 Miura
 2006/0171794 A1 8/2006 Ordonio, Jr. et al.
 2008/0310932 A1 12/2008 McIntyre et al.
 2010/0019014 A1 1/2010 Rodenhouse
 2010/0253919 A1 * 10/2010 Douglas 353/13
 2012/0186907 A1 * 7/2012 Brendley A62B 1/14
 182/5
 2013/0026810 A1 * 1/2013 Ojanen E21C 35/183
 299/104

OTHER PUBLICATIONS

Brochure disclosing 1 3/4" diameter Plasti-Grip® CBW washer distributed by Rodenhouse Inc. more than one year prior to Sep. 6, 2012.
 Brochure disclosing 1 1/4" diameter Grip-Plate® Tab washer distributed by Rodenhouse Inc. more than one year prior to Sep. 6, 2012.
 Brochure disclosing 1 1/4" diameter Grip-Plate® Plastic washer distributed by Rodenhouse Inc. more than one year prior to Sep. 6, 2012.
 Brochure disclosing 2" diameter Plasti-Grip® CBW2 washer distributed by Rodenhouse Inc. more than one year prior to Sep. 6, 2012.
 Brochure disclosing 1 3/4" diameter Plasti-Grip® III washer distributed by Rodenhouse Inc. more than one year prior to Sep. 6, 2012.
 Brochure disclosing Plasti-Grip® PMF Plastic Masonry Fastener distributed by Rodenhouse Inc. more than one year prior to Sep. 6, 2012.
 Brochure disclosing 3" diameter Grip-Lok® "Hurricane" washer distributed by Rodenhouse Inc. more than one year prior to Sep. 6, 2012.
 Grid-Mate PB Mechanical Fasteners, 1999 Tool Works, Inc.
 Wind-Lock catalog excerpt disclosing fastening tool system available prior to Jul. 23, 2007.
 Wind-Lock catalog excerpt, disclosing fastening tool equipment available prior to Jul. 23, 2007.
 Wind-Lock catalog excerpt dated 2001.
 Wind-Lock catalog excerpt dated 2003.
 Stuccofast brochure disclosing fastening system available prior to Jul. 23, 2007.
 Performance and Selector Guide 2002, 2001 Illinois Tool Works Inc.
 Web pages from ITW Commercial Construction (www.itwramset.com) showing magnetic adapter Part No. 2761910 for metal washers believed to be available more than one year prior to Mar. 15, 2013.

* cited by examiner

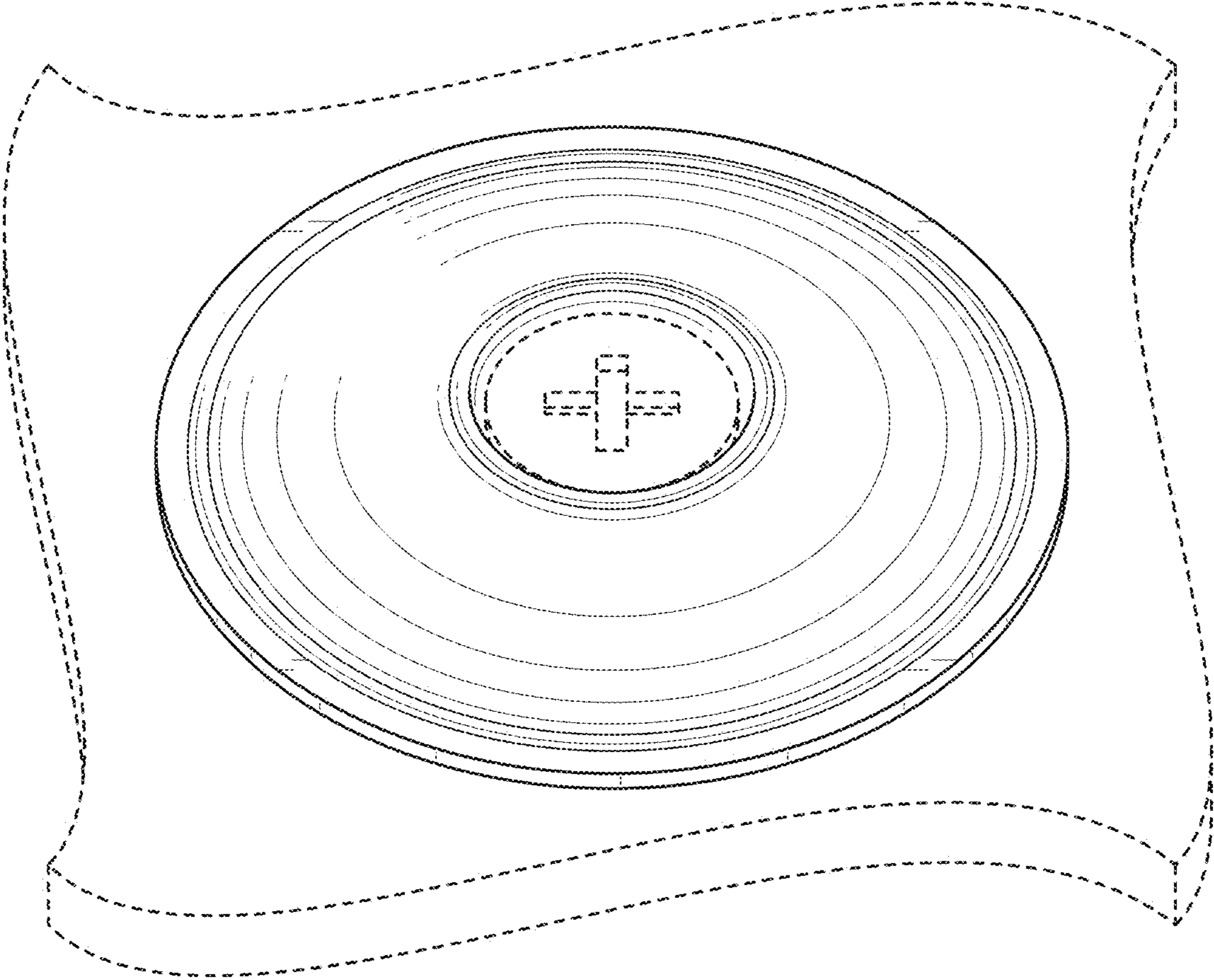


FIG. 1

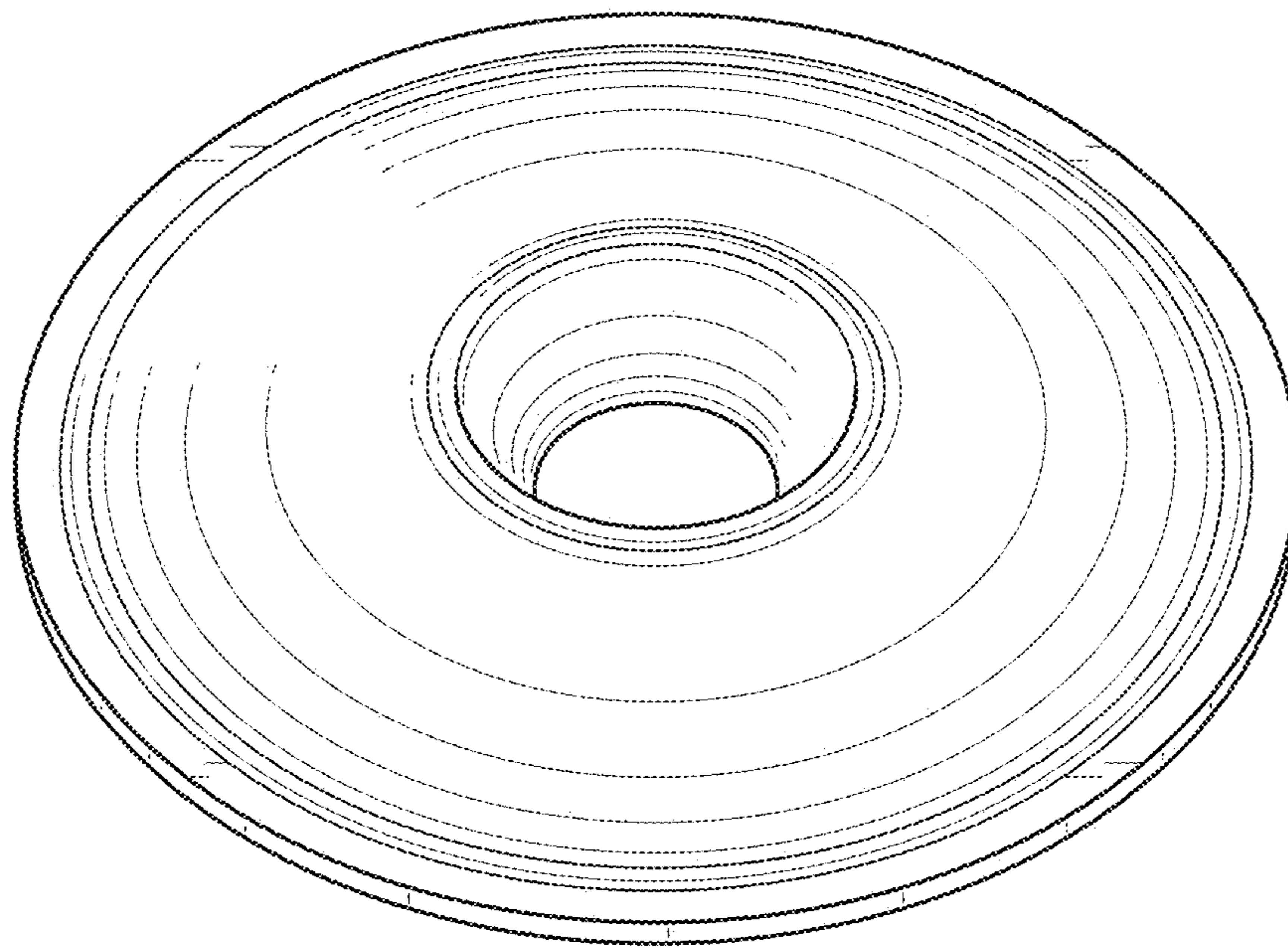


FIG. 2

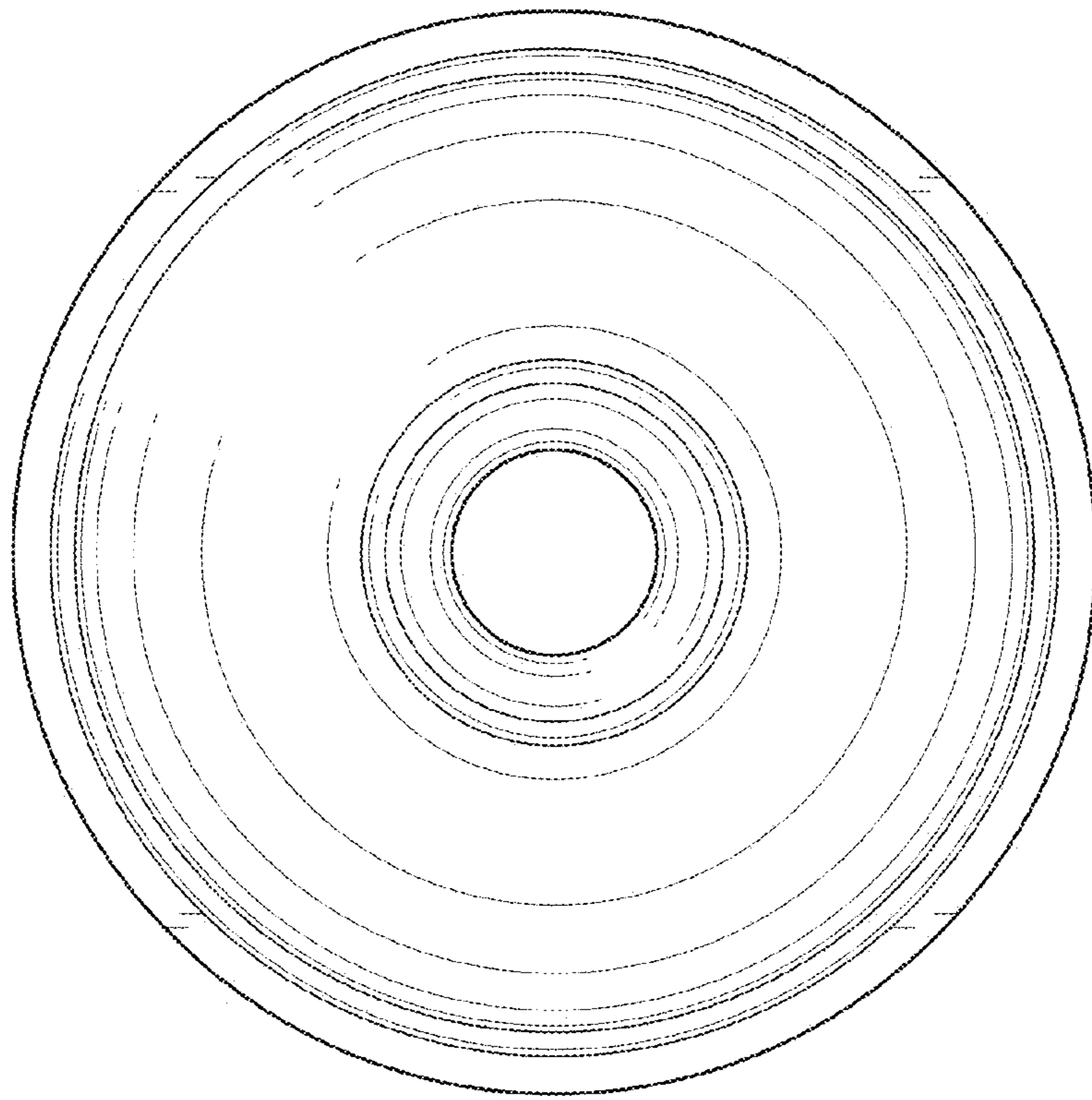


FIG. 3

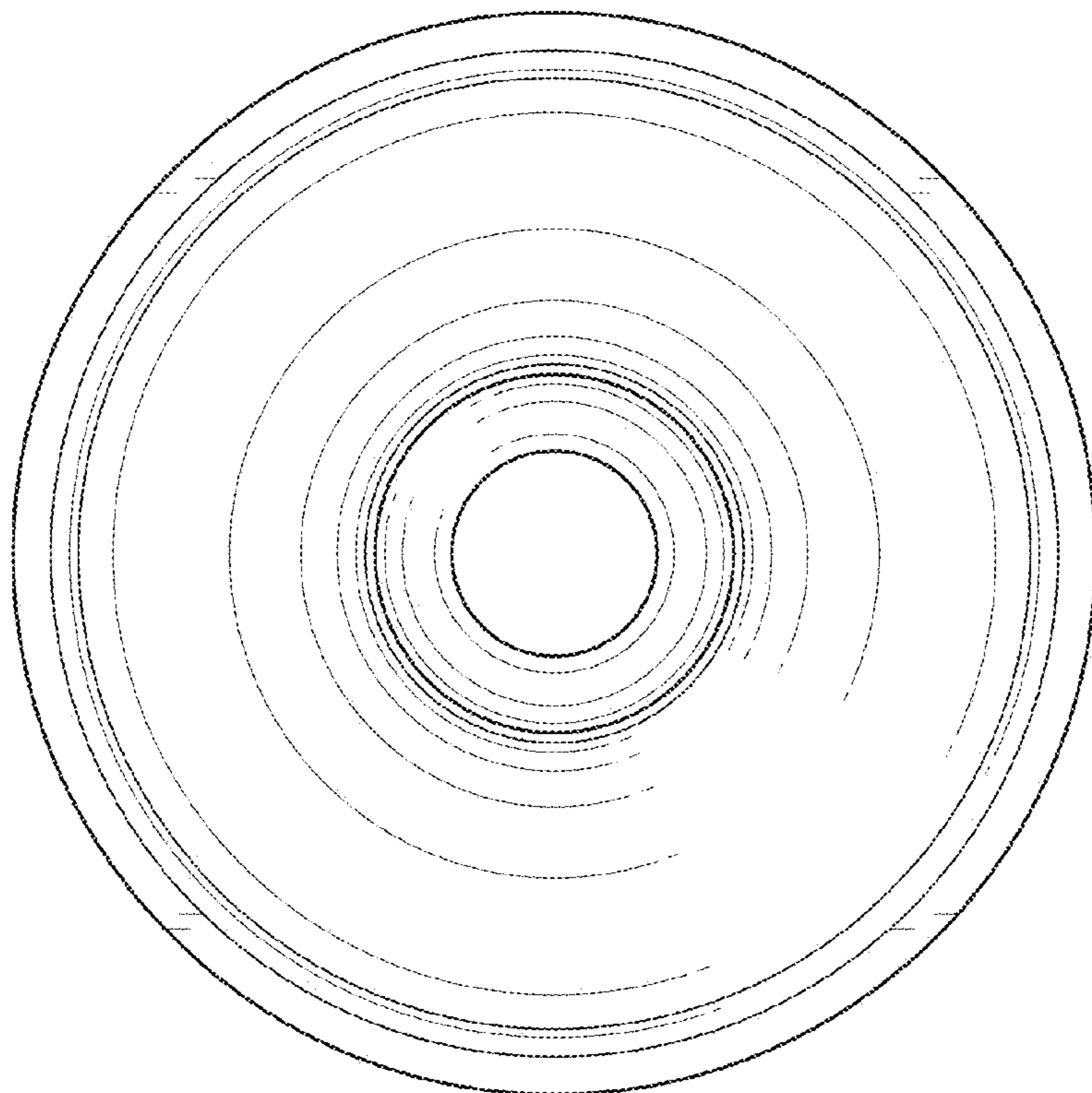


FIG. 4

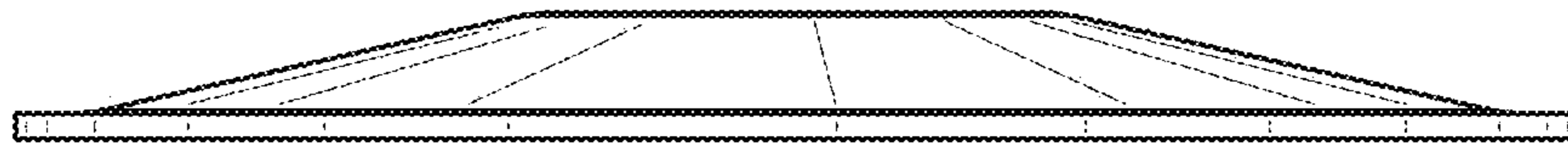


FIG. 5

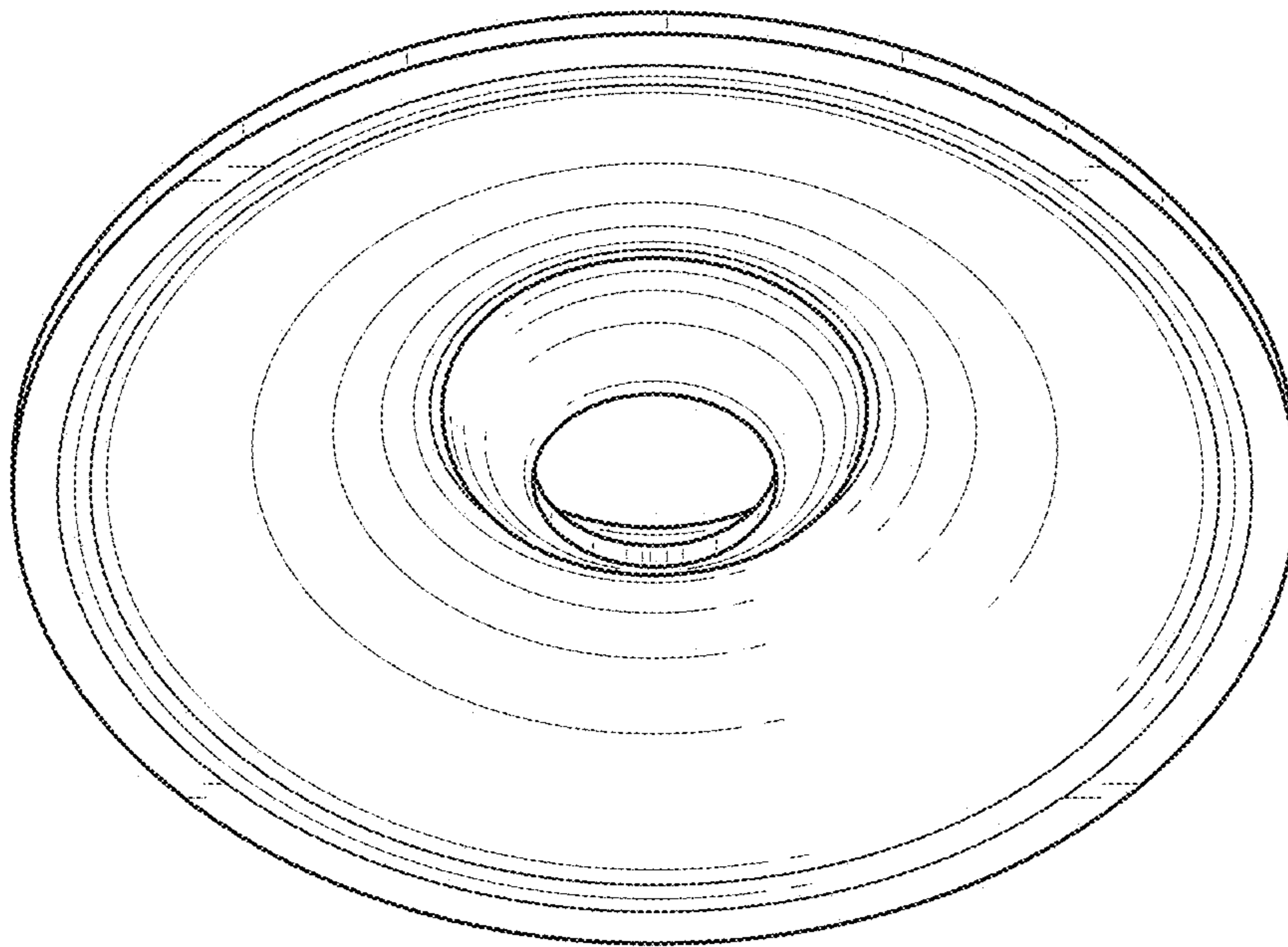


FIG. 6