



US00D875084S

(12) **United States Design Patent** (10) **Patent No.:** **US D875,084 S**  
**Lopez Castillo et al.** (45) **Date of Patent:** **\*\* Feb. 11, 2020**

(54) **SURROUND FOR LOUDSPEAKER**  
(71) Applicant: **TYMPHANY ACOUSTIC TECHNOLOGY (HUIZHOU) CO., LTD.**, Huizhou, Guangdong Province (CN)  
(72) Inventors: **Jorge Alejandro Lopez Castillo**, Huizhou (CN); **Zhongpin Tang**, Huizhou (CN); **Shaoting Huang**, Huizhou (CN)  
(73) Assignee: **Tymphany Hong Kong Limited**, Wanchai, Hong Kong (CN)

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

(21) Appl. No.: **29/647,350**

(22) Filed: **May 11, 2018**

(30) **Foreign Application Priority Data**

Nov. 13, 2017 (CN) ..... 2017 3 0555921

(51) **LOC (12) Cl.** ..... **14-01**

(52) **U.S. Cl.**  
USPC ..... **D14/221**

(58) **Field of Classification Search**  
USPC ... D14/141.1, 159, 218, 219, 220, 221, 222, D14/223, 224, 224.1, 225, 227, 228, 229, D14/259, 341, 344, 345, 299  
CPC . H04R 1/00; H04R 1/02; H04R 1/326; H04R 1/406; H04R 1/083; H04R 1/222; H04R 1/1041; H04R 1/023; H04R 7/00; H04R 7/20; H04R 27/00; H04R 2201/00; H04R 2400/00; H04R 17/02; H04R 29/004; H04R 29/005; H04R 19/04; H04R 2420/07; H04R 2410/00; H04R 2410/01; H04R 5/02; G02B 27/01

See application file for complete search history.

(56) **References Cited**  
U.S. PATENT DOCUMENTS  
1,891,566 A \* 12/1932 McKellip ..... H04R 7/20 181/172  
2,597,882 A \* 5/1952 Lyon ..... B60B 7/02 301/108.1  
D357,480 S \* 4/1995 Lumsden ..... D14/224  
D523,848 S \* 6/2006 Shing ..... D14/221  
D550,654 S \* 9/2007 Miyawaki ..... D14/218  
D627,338 S \* 11/2010 Koss ..... D14/223  
D643,833 S \* 8/2011 Lee ..... D14/223  
D683,332 S \* 5/2013 Lee ..... D14/223  
D698,760 S \* 2/2014 Lee ..... D14/223  
D700,904 S \* 3/2014 Miller ..... D13/168  
D705,756 S \* 5/2014 Kerstein ..... D14/222  
8,958,596 B2 \* 2/2015 Chu ..... H04R 9/022 381/397

(Continued)

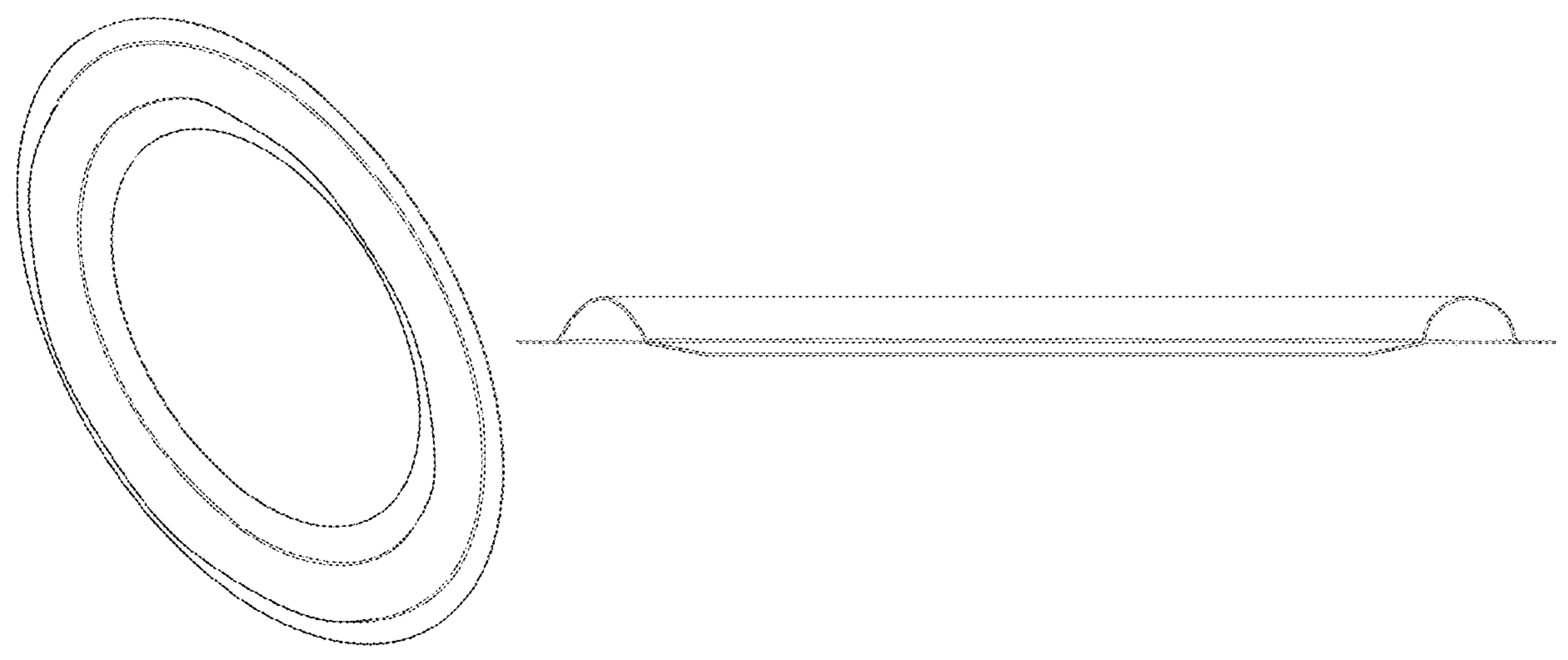
*Primary Examiner* — Barbara Fox  
*Assistant Examiner* — Messina L Smith  
(74) *Attorney, Agent, or Firm* — Muncy, Geissler, Olds & Lowe, P.C.

(57) **CLAIM**  
The ornamental design for a surround for loudspeaker, as shown and described.

**DESCRIPTION**

FIG. 1 is a top perspective view of a surround for loudspeaker, showing the new design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a rear view thereof;  
FIG. 4 is a left side view thereof, the right side view being a mirror image;  
FIG. 5 is a top view thereof, the bottom view being a mirror image;  
FIG. 6 is a cross-sectional view taken in the direction of line 6-6 of FIG. 2; and,  
FIG. 7 is a cross-sectional view taken in the direction of line 7-7 of FIG. 2.

**1 Claim, 6 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

9,025,809 B1 *	5/2015	Kallen	.....	H04R 1/00	381/405	2007/0207883 A1 *	9/2007	Kenner	.....	A63B 65/10	473/588
D738,861 S *	9/2015	Yang	.....	D14/222		2007/0242850 A1 *	10/2007	Sumitani	.....	H04R 7/18	381/413
D743,383 S *	11/2015	Hinokio	.....	D14/225		2010/0303276 A1 *	12/2010	Kallen	.....	H04R 7/20	381/386
D744,981 S *	12/2015	Choi	.....	D14/209.1		2011/0223825 A1 *	9/2011	Chen	.....	A63H 33/18	446/46
D746,815 S *	1/2016	Lim	.....	D10/38		2013/0064413 A1 *	3/2013	Cazes Bouchet	.....	H04R 7/04	381/396
D770,414 S *	11/2016	Davies	.....	D14/215		2014/0119579 A1 *	5/2014	Servado	.....	H04R 9/025	381/162
D771,600 S *	11/2016	Hinokio	.....	D14/228		2015/0038046 A1 *	2/2015	Lindberg	.....	A63H 33/18	446/46
D773,437 S *	12/2016	Lee	.....	D14/223		2017/0173488 A1 *	6/2017	Yang	.....	A63H 33/26	
D775,107 S *	12/2016	Green	.....	D14/221		2017/0312647 A1 *	11/2017	Lehman	.....	A63H 33/18	
9,532,145 B2 *	12/2016	Niedermann	.....	H04R 9/02		2019/0001236 A1 *	1/2019	Miller	.....	A63H 33/18	
D788,074 S *	5/2017	Green	.....	D14/216		2019/0028808 A1 *	1/2019	Huang	.....	H04R 7/20	
D792,865 S *	7/2017	Park	.....	D14/138 R							
D796,355 S *	9/2017	Cho	.....	D10/70							
D803,747 S *	11/2017	Liu	.....	D12/204							
D804,453 S *	12/2017	Katsuno	.....	D14/222							
D807,351 S *	1/2018	Bang	.....	D14/344							
D808,935 S *	1/2018	Bullimore	.....	D14/224							
D826,906 S *	8/2018	Lasnier de Lavalette	...	D14/224							
D827,831 S *	9/2018	Fong	.....	D24/167							

\* cited by examiner

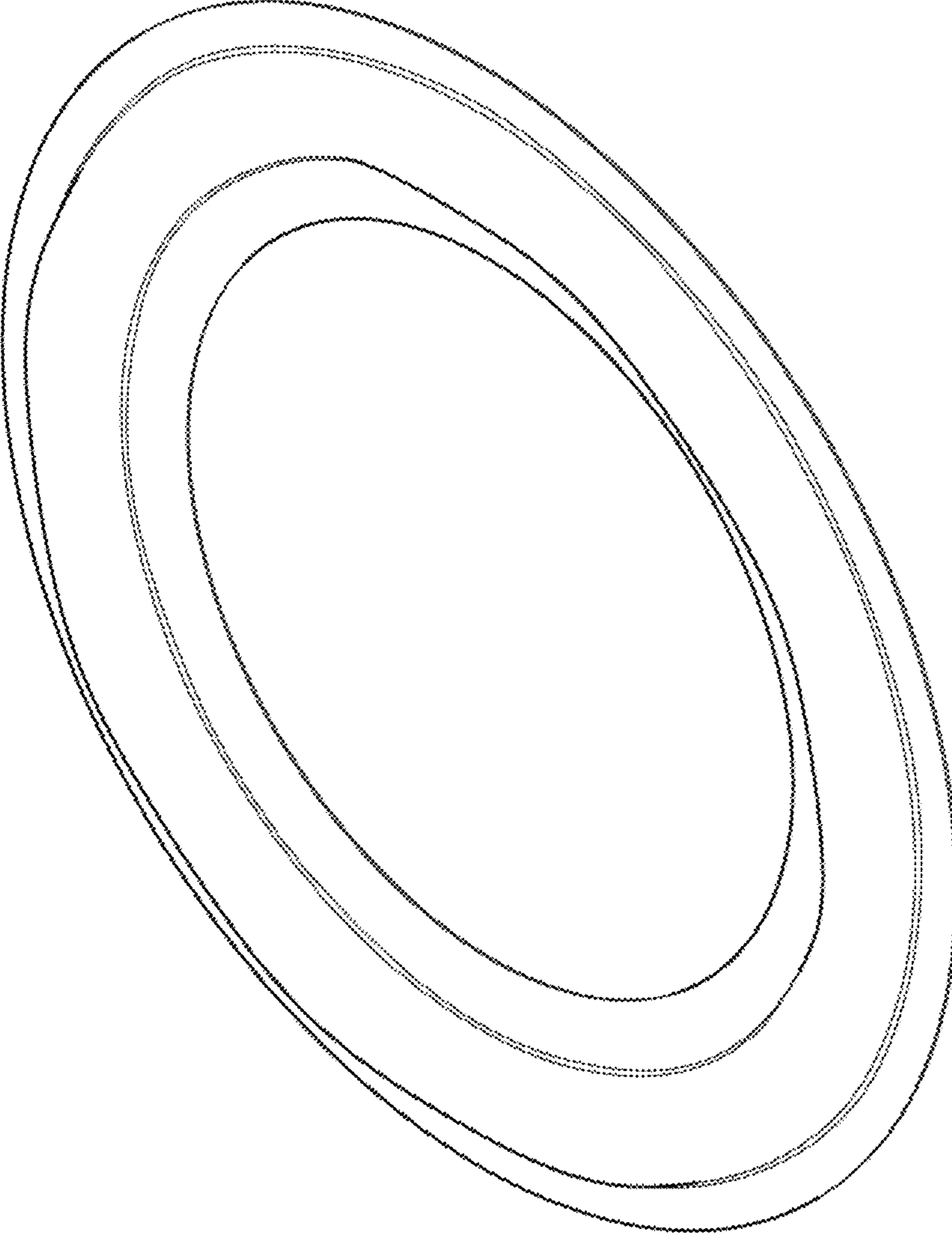


FIG.1

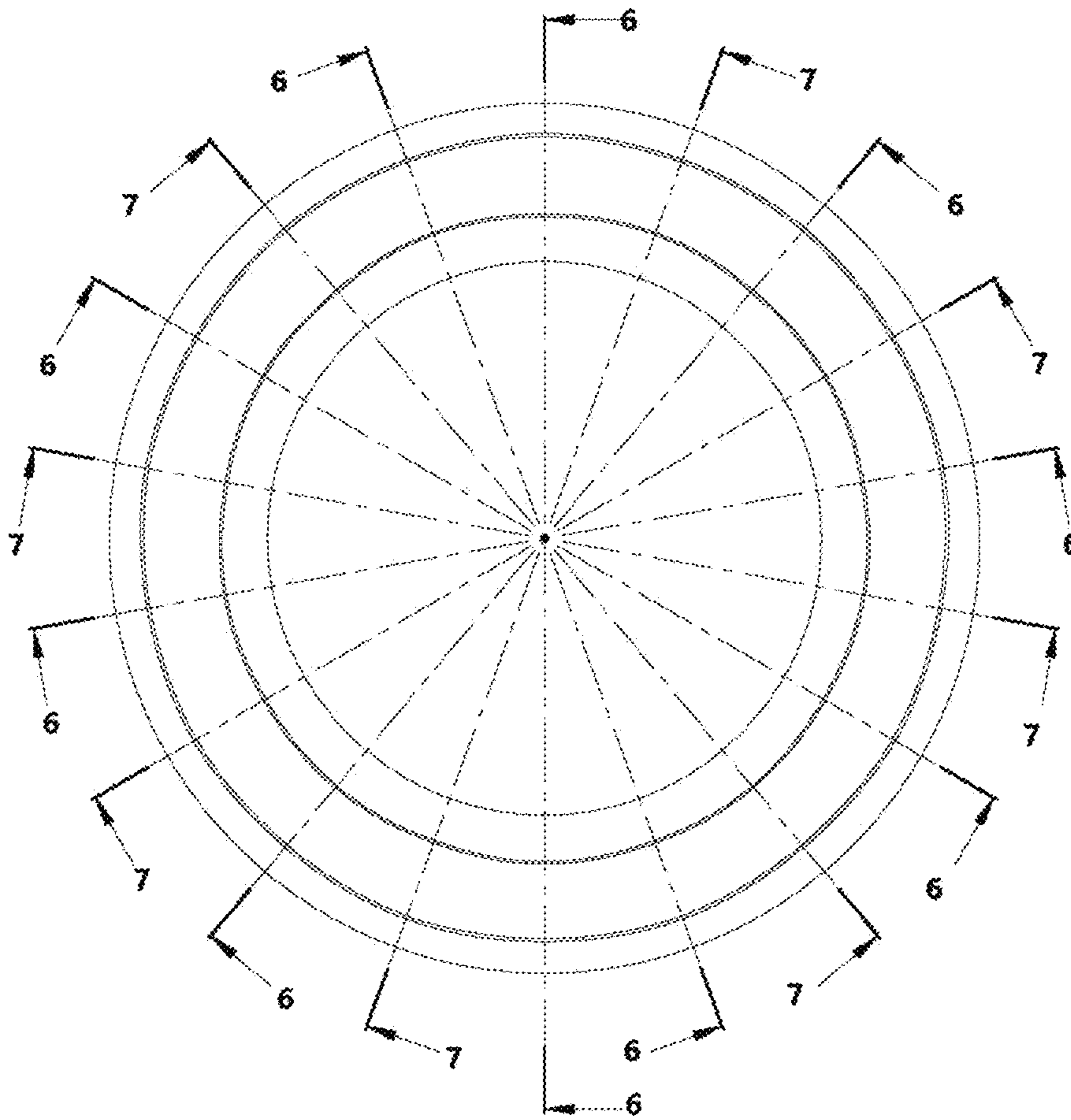


Fig 2

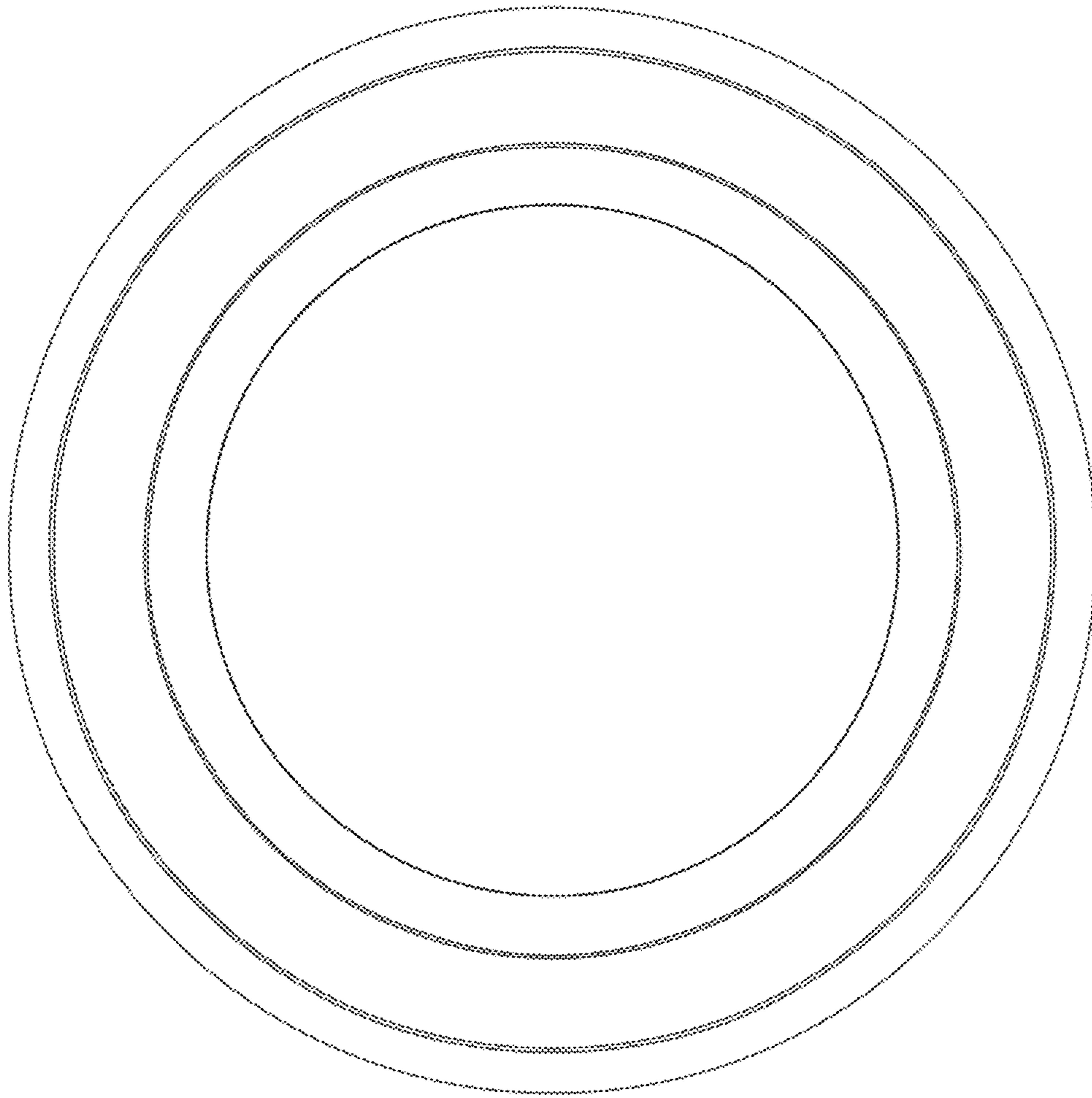


FIG.3



FIG.4

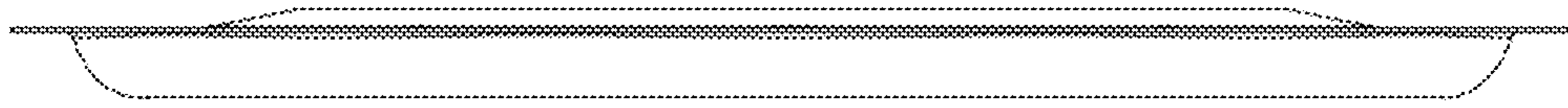


FIG.5

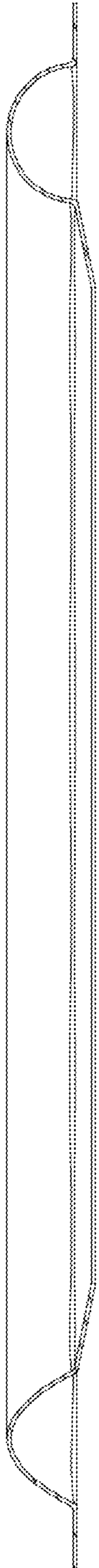


FIG. 6

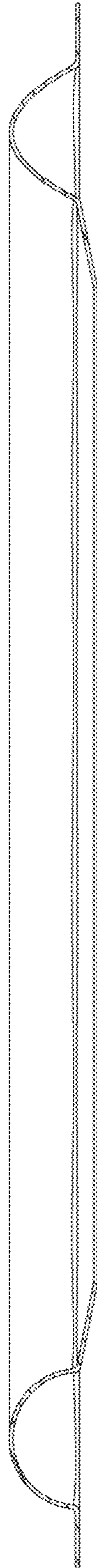


FIG. 7