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(12) **United States Design Patent** (10) **Patent No.:** **US D799,578 S**
Clark (45) **Date of Patent:** **** Oct. 10, 2017**

(54) **CAMERA LENS FILTER WITH TRACTION FRAME**

13/1963; G08B 13/19632; F16M 11/04;
F16M 13/00; Y02E 60/12; G02B 5/00
See application file for complete search history.

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(56) **References Cited**

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U.S. PATENT DOCUMENTS

(73) Assignee: **Breakthrough Photography, LLC**,
Clark, CO (US)

4,390,242 A 6/1983 Tatsumi
4,684,231 A 8/1987 Athy
D302,984 S * 8/1989 Kimura D16/134
4,901,098 A 2/1990 Salles

(Continued)

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

FOREIGN PATENT DOCUMENTS

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CN 301492559 * 3/2011
CN 301982131 * 7/2012

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(Continued)

(51) **LOC (10) Cl.** **16-05**

(52) **U.S. Cl.**

OTHER PUBLICATIONS

USPC **D16/219**

X-Series Traction Filters, available Nov. 10, 2014, [site visited May 23, 2017] Available from Internet URL: <<http://www.the-digital-picture.com/News/News-Post.aspx?News=13865>>.*

(58) **Field of Classification Search**

(Continued)

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D14/209.1, 212, 421-423; D16/200-220,
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D20/21, 38; D23/283, 305; D25/20, 58;
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2300/105; G08B 13/19619; G08B

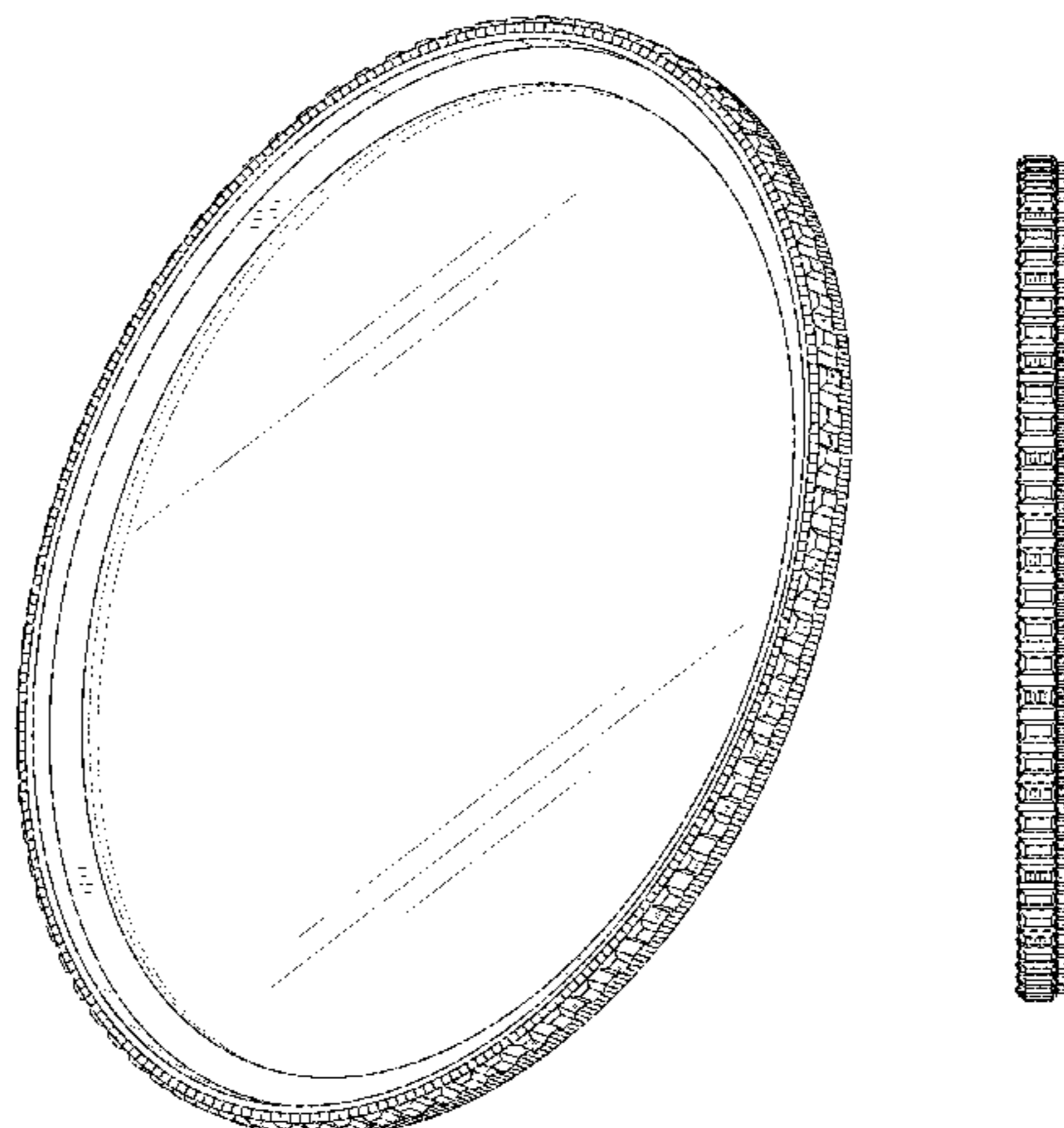
(57) **CLAIM**

The ornamental design for a camera lens filter with traction frame, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a camera lens filter with traction frame in accordance with the present invention; FIG. 2 is a front view thereof; FIG. 3 is a rear view thereof; FIG. 4. is a top view thereof, the bottom view being a mirror image; and, FIG. 5 is a side view thereof, the opposite side view being a mirror image.

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The broken lines showing a threaded connection element depict portions of the camera lens filter with traction frame and form no part of the claimed design.

1 Claim, 4 Drawing Sheets

(56)

References Cited

U.S. PATENT DOCUMENTS

5,040,011	A	8/1991	Tiffen	
5,444,507	A	8/1995	Palmer	
D362,007	S *	9/1995	Takahashi	D16/134
5,528,328	A	6/1996	O'Farrill	
5,537,175	A	7/1996	Kamaya	
5,862,428	A	1/1999	An	
D412,922	S *	8/1999	Sekine	D16/134
D425,088	S *	5/2000	Watanabe	D16/134
D449,322	S *	10/2001	Ono	D16/134
D574,026	S *	7/2008	Haga	D16/134
7,775,671	B2	8/2010	Huang	
D630,530	S *	1/2011	Nunes	D10/38
8,014,666	B2	9/2011	Neiman	
D665,837	S *	8/2012	Tainaka	D16/134
8,414,204	B2 *	4/2013	Kim	G02B 7/026 359/827
D693,870	S *	11/2013	Kim	D16/219
8,721,200	B1	5/2014	Cheng	
D717,355	S *	11/2014	Imai	D16/219
D721,121	S *	1/2015	Oh	D16/219
D729,297	S *	5/2015	Ikegame	D16/202
D741,937	S *	10/2015	Park	D16/219
D744,024	S *	11/2015	Oh	D16/219
D761,131	S *	7/2016	Nunes	D10/128
D768,224	S *	10/2016	Kim	D16/219
D777,237	S *	1/2017	Kobayashi	D16/219
9,552,023	B2 *	1/2017	Joo	G06F 1/163
D784,437	S *	4/2017	Kobayashi	D16/219
2005/0007766	A1	1/2005	Jigamian	
2006/0098307	A1	5/2006	Campean	
2007/0013800	A1	1/2007	Pope	

2013/0265662	A1*	10/2013	Araie	G02B 7/02 359/827
2014/0140688	A1	5/2014	Xu	
2015/0153629	A1	6/2015	Hao	
2015/0211840	A1*	7/2015	Katsumata	G01S 17/46 348/340
2015/0332031	A1	11/2015	Mistry	
2016/0091778	A1*	3/2016	Kobayashi	G03B 17/565 359/892
2016/0216474	A1	7/2016	Kobayashi	

FOREIGN PATENT DOCUMENTS

CN	303542918	*	7/2015
JP	D1438686	*	3/2012

OTHER PUBLICATIONS

Breakthrough X4 CPL, no date available, [site visited May 23, 2017] Available from Internet URL: <<https://breakthrough.photography/products/x4-circular-polarizer>>.*

X4 CPL, announced Nov. 19, 2015, [site visited May 23, 2017] Available from Internet URL: <<https://www.kickstarter.com/projects/breakthrough/x3-circular-polarizer/post/1420450>>.*

X4 Circular Polarizer, announced Jul. 11, 2016, [site visited May 23, 2017] Available from Internet URL: <<http://www.thephoblographer.com/2016/07/11/review-breakthrough-photography-x4-circular-polarizer/>>.*

“Zomei 10-stop Neutral Density Filter Review” (bottom photo, p. 7 in PDF), posted at vasphotography.wordpress.com, Aug. 25, 2015. Available from Internet: <<https://vasphotography.wordpress.com>>.

“Kiwifotos LA-585X30 Lens Adapter Ring for Canon PowerShot SX1 IS, SX10 IS, 5X20 IS, SX30 IS and SX40 HS” (p. 2 in PDF), posted at cowboystudio.com, Apr. 16, 2015. Available from Internet <http://www.cowboystudio.com/product_p/la-58sx30-lens-adapter-ring.htm>.

“Review: Cokin Pure-Harmonie NO-X Filter” (p. 2 & 3 in PDF), posted at [thephoblographer.com](http://www.thephoblographer.com), Aug. 21, 2013. Available from Internet: <<http://www.thephoblographer.com/2013/08/21/review-cokin-pure-harmonie-nd-x-filter>>.

* cited by examiner

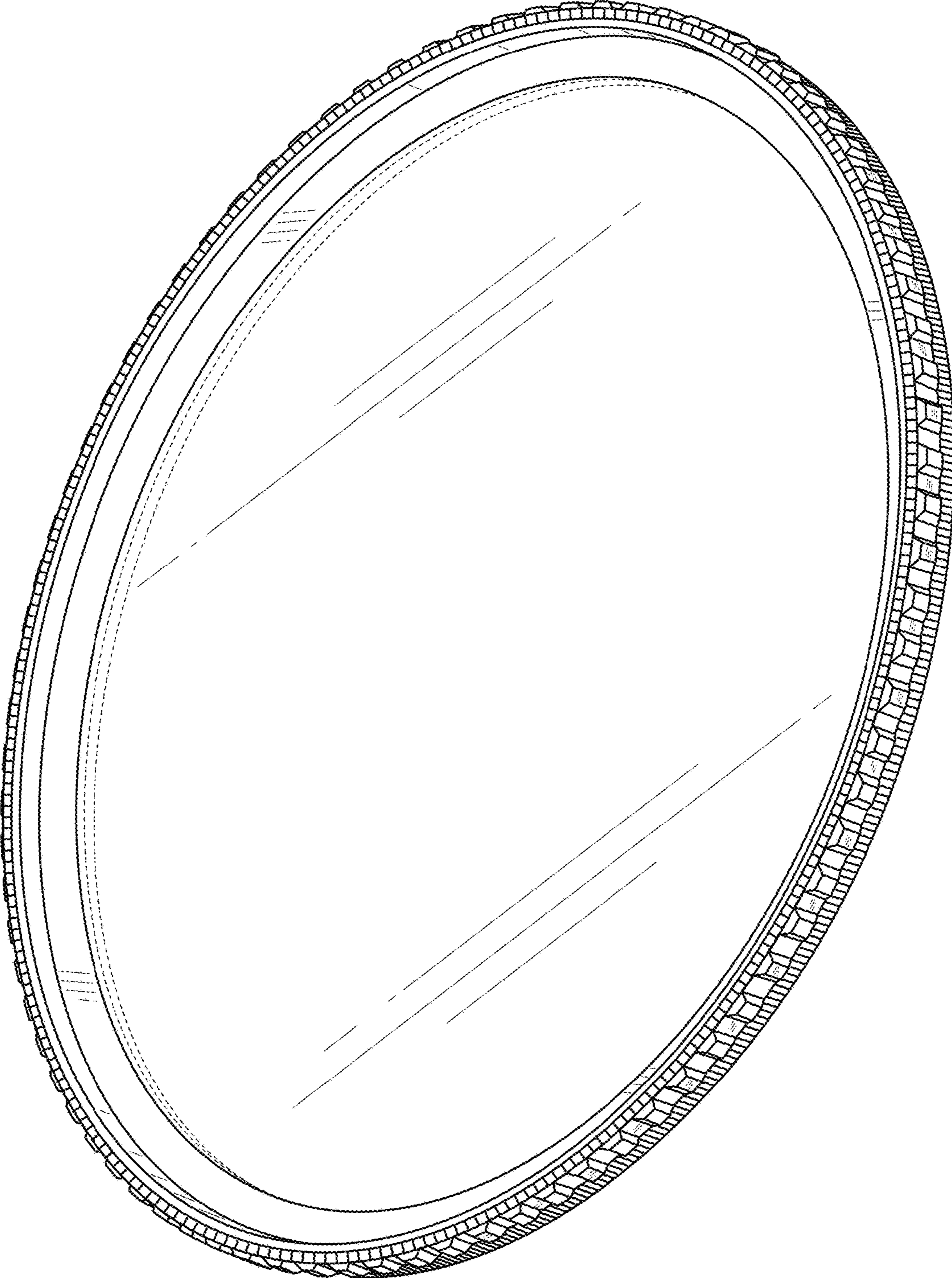


FIG. 1

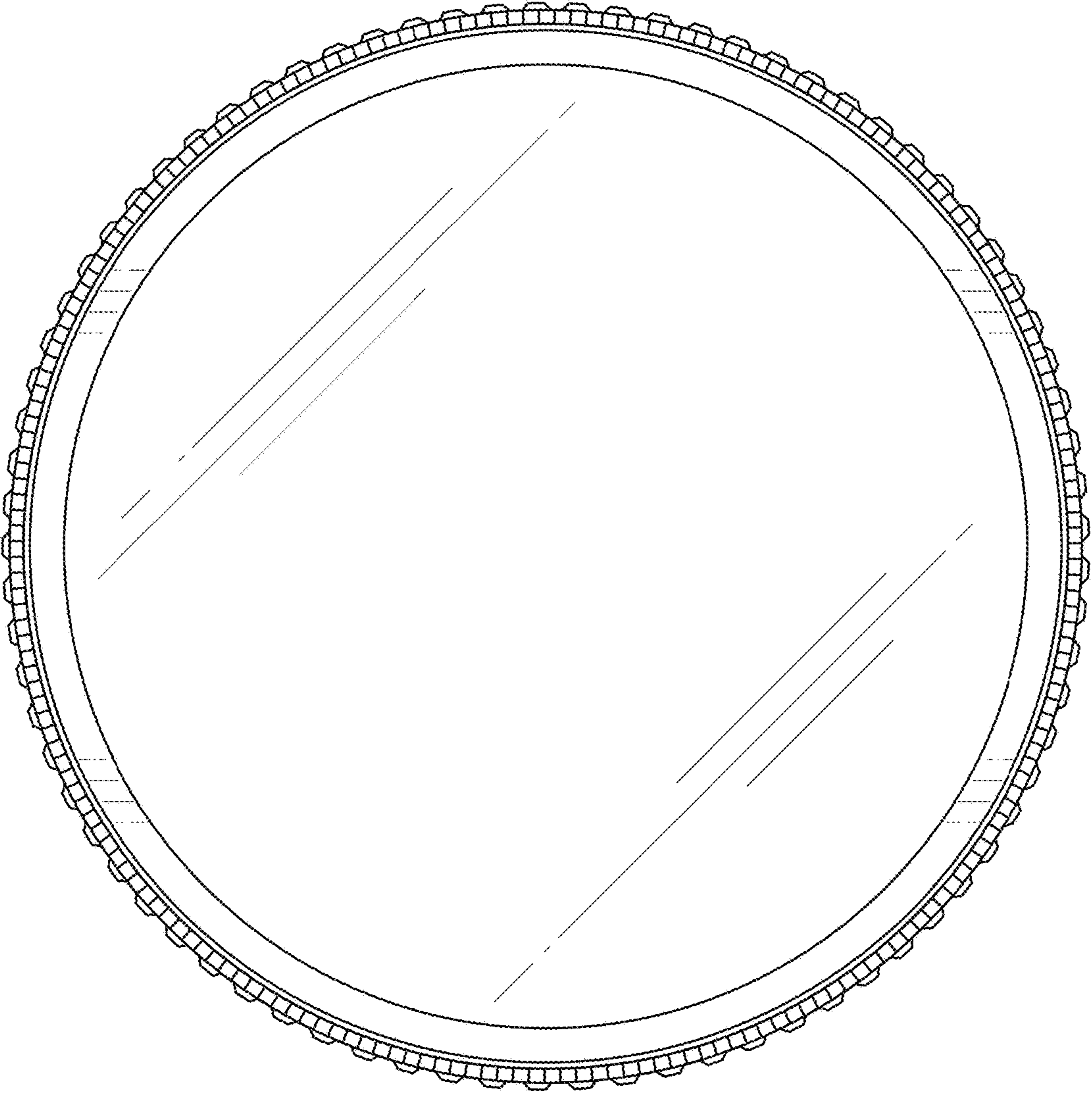


FIG. 2

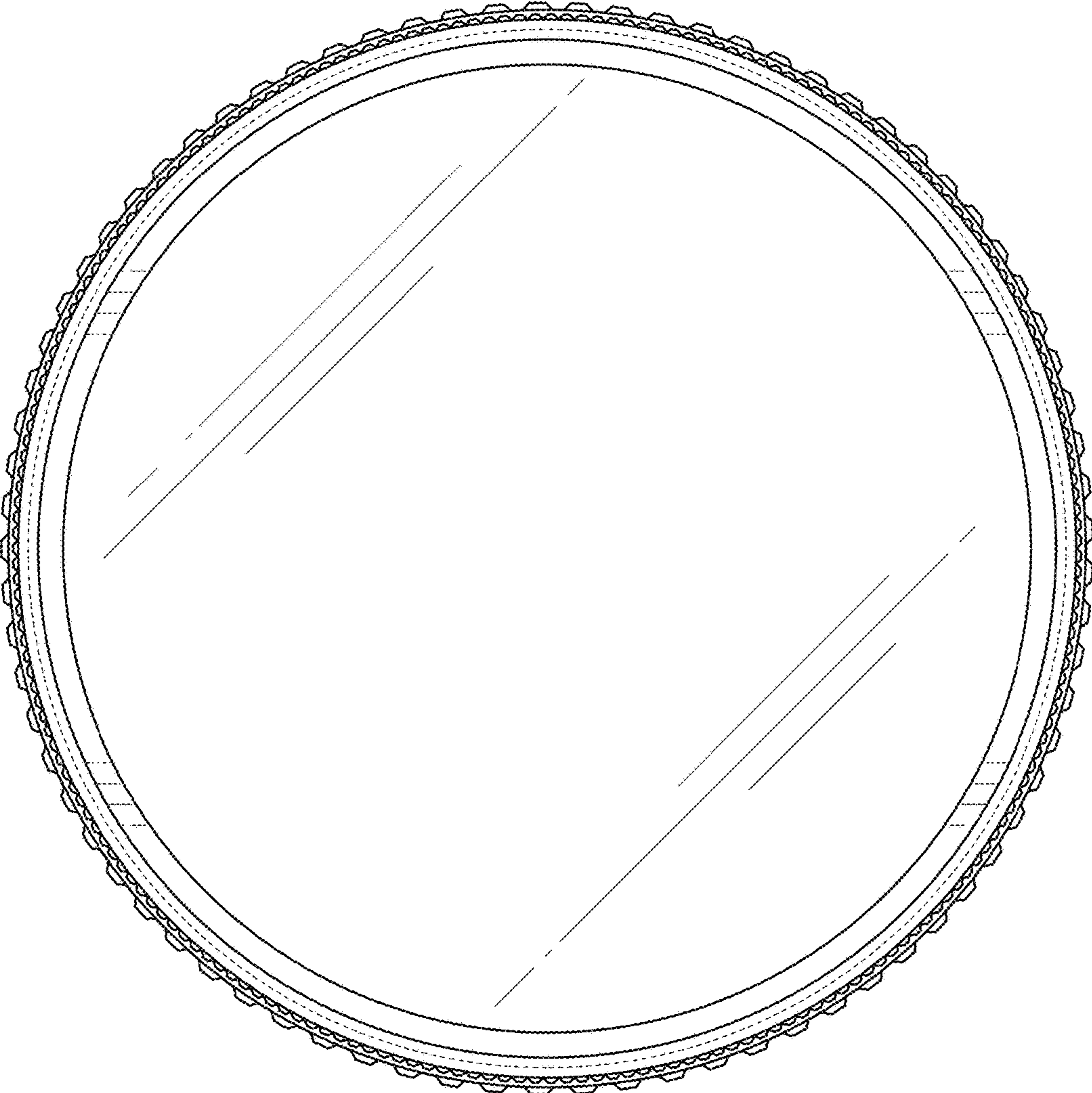


FIG. 3

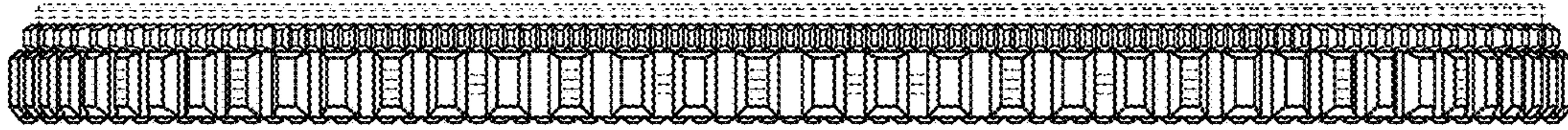


FIG. 4

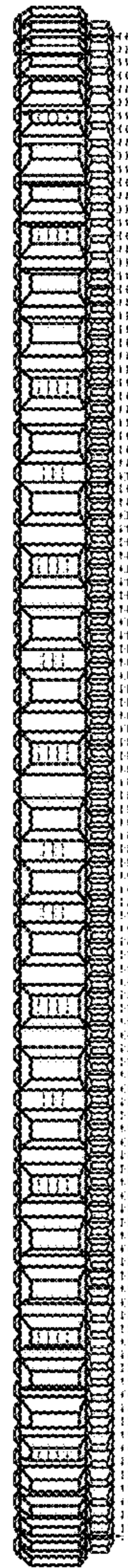


FIG. 5