



US00D748242S

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

(10) **Patent No.:** **US D748,242 S**

(45) **Date of Patent:** **** Jan. 26, 2016**

- (54) **INHALER MOUTHPIECE**
- (71) Applicants: **H. Stuart Campbell**, Bear, DE (US);
John H. Silva, Granbury, TX (US)
- (72) Inventors: **H. Stuart Campbell**, Bear, DE (US);
Thomas Shanks, Temecula, CA (US)
- (73) Assignees: **H. Stuart Campbell**, Bear, DE (US);
John H. Silva, Granbury, TX (US)
- (**) Term: **14 Years**
- (21) Appl. No.: **29/496,317**
- (22) Filed: **Jul. 11, 2014**
- (51) **LOC (10) Cl.** **29-02**
- (52) **U.S. Cl.**
USPC **D24/110.5**
- (58) **Field of Classification Search**
USPC D24/107, 108, 110, 111, 164
CPC A61M 15/00; A61M 15/0021; A61M
15/0086; A61M 2202/064
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,548,823	A *	12/1970	Bogacik	.....	A62B 23/02 128/205.29
3,809,294	A *	5/1974	Torgeson	.....	A61M 15/0086 128/203.15
3,856,185	A *	12/1974	Riccio	.....	A61M 11/06 222/635
3,906,950	A	9/1975	Cocozza		
3,998,226	A	12/1976	Harris		
4,013,075	A	3/1977	Cocozza		
4,227,522	A	10/1980	Carris		
4,456,007	A *	6/1984	Nakao	.....	A61M 11/041 128/200.21
4,706,663	A *	11/1987	Makiej	.....	A61M 15/00 128/200.18
5,007,419	A *	4/1991	Weinstein	.....	A61M 15/0003 128/200.14
D335,343	S *	5/1993	Jones	.....	D24/110
5,477,849	A	12/1995	Fry		

5,848,588	A *	12/1998	Foley	.....	A61M 15/0086 128/200.14
5,855,202	A *	1/1999	Andrade	.....	A61M 15/0086 128/200.14
D412,979	S	8/1999	Weinstein et al.		

(Continued)

FOREIGN PATENT DOCUMENTS

WO	2006059340	A1	6/2006
WO	2010070083	A1	6/2010

OTHER PUBLICATIONS

International Search Report issued Oct. 17, 2014 in International Application No. PCT/US2014/046273.

(Continued)

Primary Examiner — Sheryl Lane
Assistant Examiner — Lilyana Bekic

(74) *Attorney, Agent, or Firm* — Panitch Schwarze Belisario & Nadel LLP

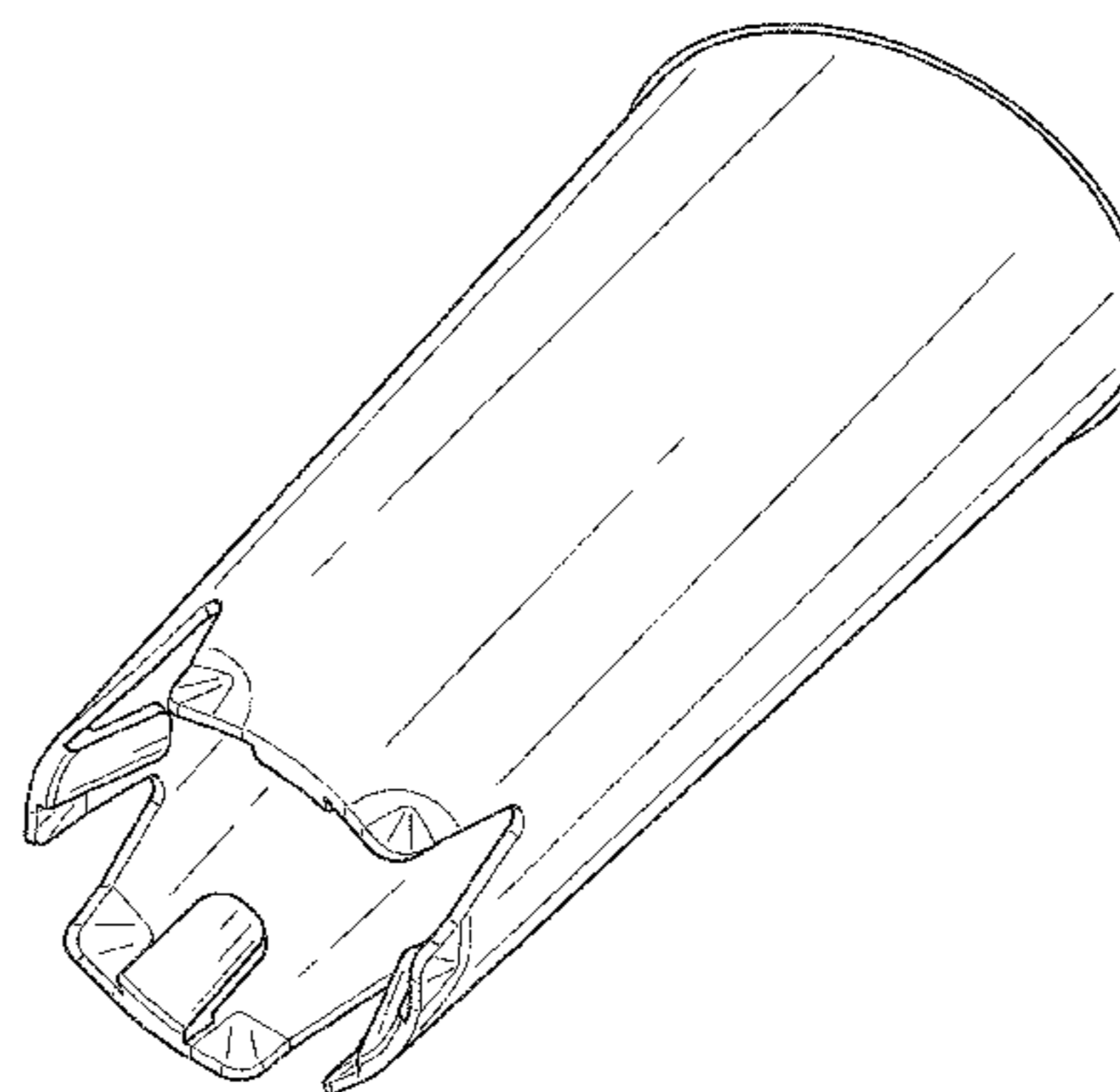
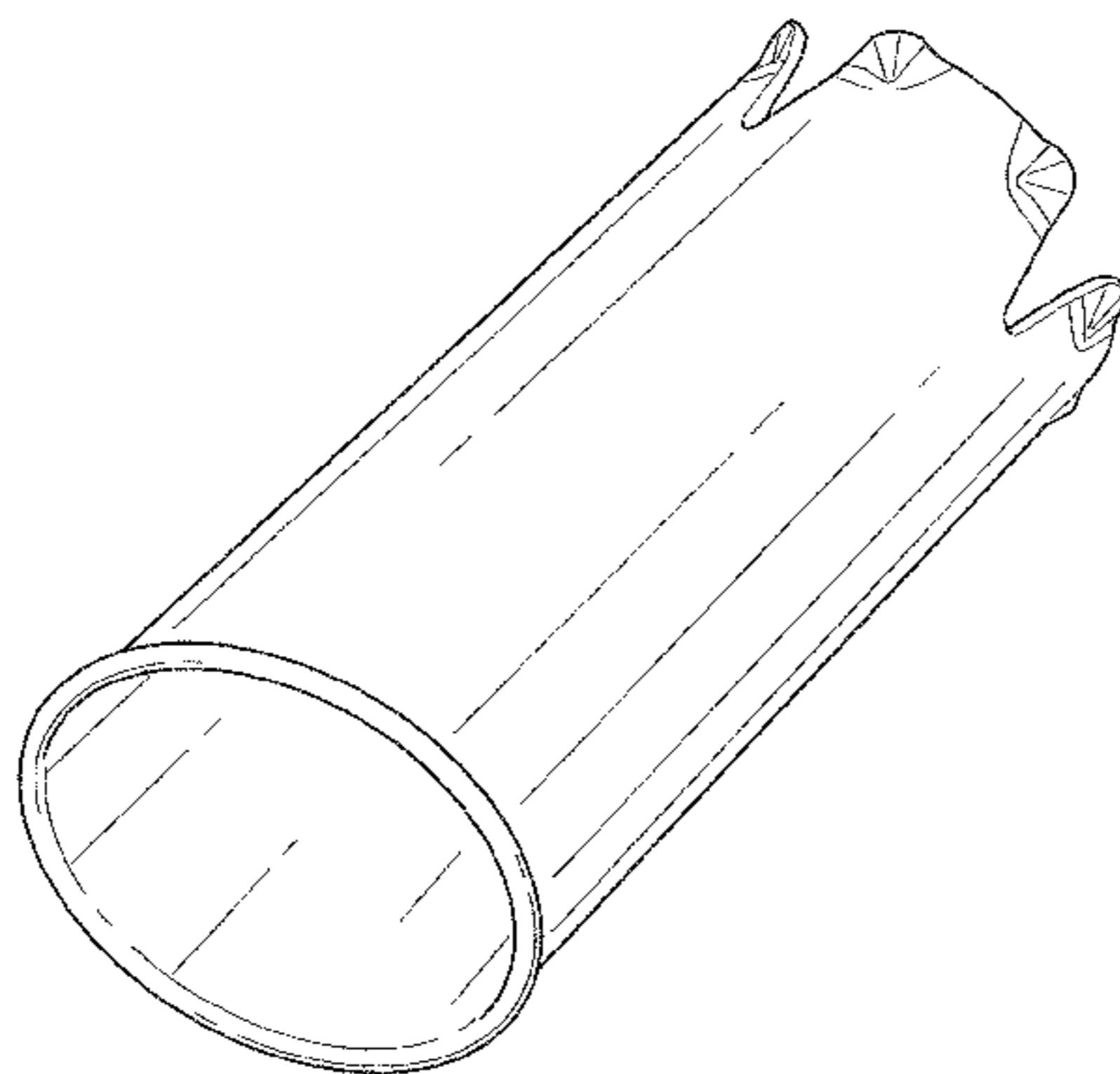
(57) **CLAIM**

The ornamental design for an inhaler mouthpiece, as shown and described.

DESCRIPTION

FIG. 1 is a right front perspective view of an inhaler mouthpiece;
 FIG. 2 is a right rear perspective view of the inhaler mouthpiece of FIG. 1;
 FIG. 3 is a top plan view of the inhaler mouthpiece of FIG. 1;
 FIG. 4 is a bottom plan view of the inhaler mouthpiece of FIG. 1;
 FIG. 5 is a right side elevational view of the inhaler mouthpiece of FIG. 1;
 FIG. 6 is a left side elevational view of the inhaler mouthpiece of FIG. 1;
 FIG. 7 is a front elevational view of the inhaler mouthpiece of FIG. 1; and,
 FIG. 8 is a rear elevational view of the inhaler mouthpiece of FIG. 1.

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

6,039,042	A *	3/2000	Sladek	.....	A61M 15/0086	128/200.23
D441,069	S *	4/2001	Hammarlund	.....	D24/110	
D442,685	S *	5/2001	Sladek	.....	D24/110	
6,293,279	B1 *	9/2001	Schmidt	.....	A61M 15/0086	128/200.18
6,345,617	B1 *	2/2002	Engelbreth	.....	A61M 15/0086	128/200.18
6,435,176	B1 *	8/2002	Berg	.....	A61M 15/0086	128/200.14
D463,544	S *	9/2002	Engelbreth	.....	D24/110	
D476,413	S *	6/2003	Pearce, Jr.	.....	D24/110	
D480,138	S *	9/2003	Engelbreth	.....	D24/110	
D480,806	S *	10/2003	Engelbreth	.....	D24/110	
6,679,252	B2	1/2004	Sladek			
6,962,152	B1	11/2005	Sladek			
7,178,518	B2	2/2007	Watt et al.			
D574,951	S *	8/2008	Reusch	.....	D24/108	
7,418,962	B1 *	9/2008	Rao	.....	A61M 15/0086	128/200.14
D583,929	S *	12/2008	Reusch	.....	D24/108	
D697,200	S *	1/2014	Mahaffy	.....	D24/110	
2002/0029779	A1 *	3/2002	Schmidt	.....	A61M 15/0086	128/205.25
2002/0121276	A1 *	9/2002	Genova	.....	A61M 15/0086	128/200.23
2003/0197068	A1 *	10/2003	Abate	.....	A61M 11/06	239/338
2005/0081845	A1 *	4/2005	Barney	.....	A61M 15/0028	128/200.16
2005/0126561	A1 *	6/2005	Grychowski	.....	A61M 15/0086	128/200.23
2006/0169280	A1	8/2006	Yama et al.			
2008/0078383	A1 *	4/2008	Richards	.....	A61M 16/08	128/203.12
2009/0071470	A1 *	3/2009	Abrams	.....	A61M 11/02	128/200.22
2009/0071473	A1 *	3/2009	Abrams	.....	A61M 11/02	128/203.12
2009/0151716	A1 *	6/2009	Abrams	.....	A61M 11/02	128/200.14
2009/0308390	A1	12/2009	Smutney et al.			
2010/0269818	A1 *	10/2010	Abrams	.....	A61M 11/02	128/200.21
2011/0180067	A1 *	7/2011	Avni	.....	A61M 11/02	128/203.12
2011/0226242	A1 *	9/2011	Von Hollen	.....	A61M 15/009	128/203.12
2011/0232636	A1 *	9/2011	Von Hollen	.....	A61M 15/0086	128/202.13
2011/0283996	A1 *	11/2011	Abrams	.....	A61M 11/02	128/200.21
2012/0042874	A1	2/2012	Gallem et al.			
2012/0160241	A1 *	6/2012	Oliva	.....	A61M 15/0028	128/203.15
2013/0233313	A1 *	9/2013	Young	.....	A61M 15/0028	128/203.15
2013/0276781	A1 *	10/2013	Steelman	.....	A61M 15/0086	128/203.12
2014/0096770	A1	4/2014	Neff et al.			
2014/0116426	A1 *	5/2014	Mullinger	.....	A61M 11/005	128/200.14

OTHER PUBLICATIONS

Nikander, et al., "The Evolution of Spacers and Valved Holding Chambers", Journal of Aerosol Medicine and Pulmonary Drug Delivery, vol. 27, Supp. 1, (2014).

* cited by examiner

FIG. 1

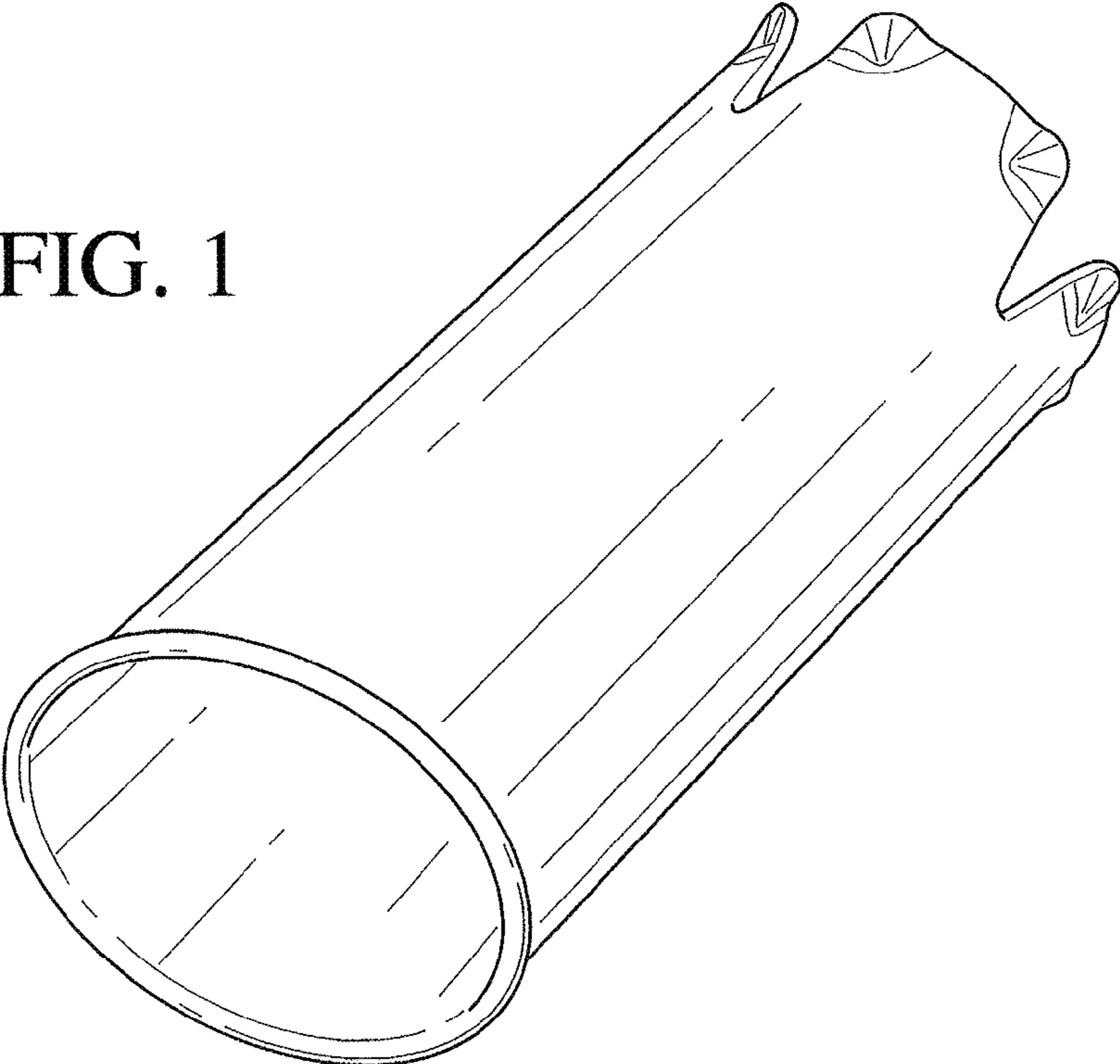
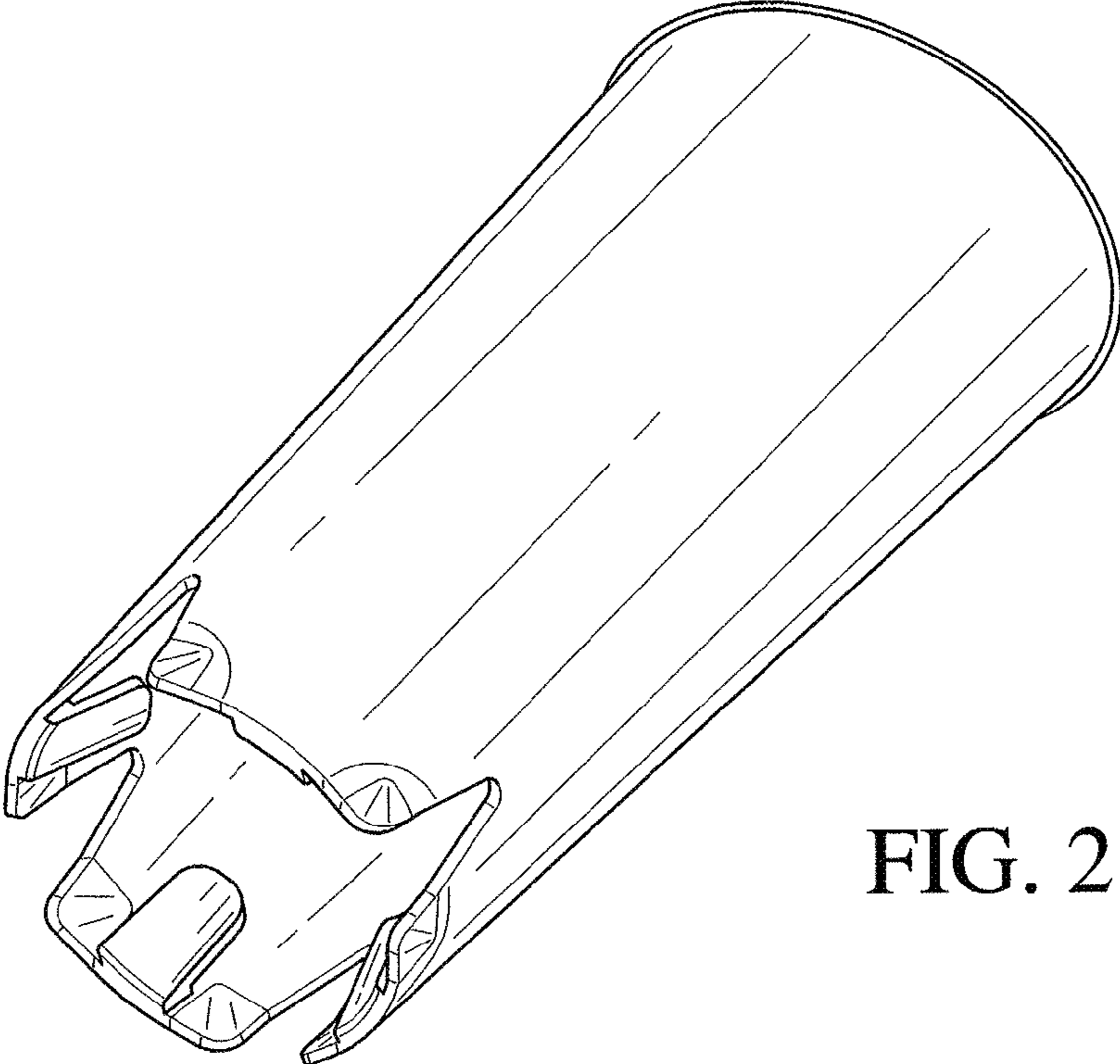


FIG. 2



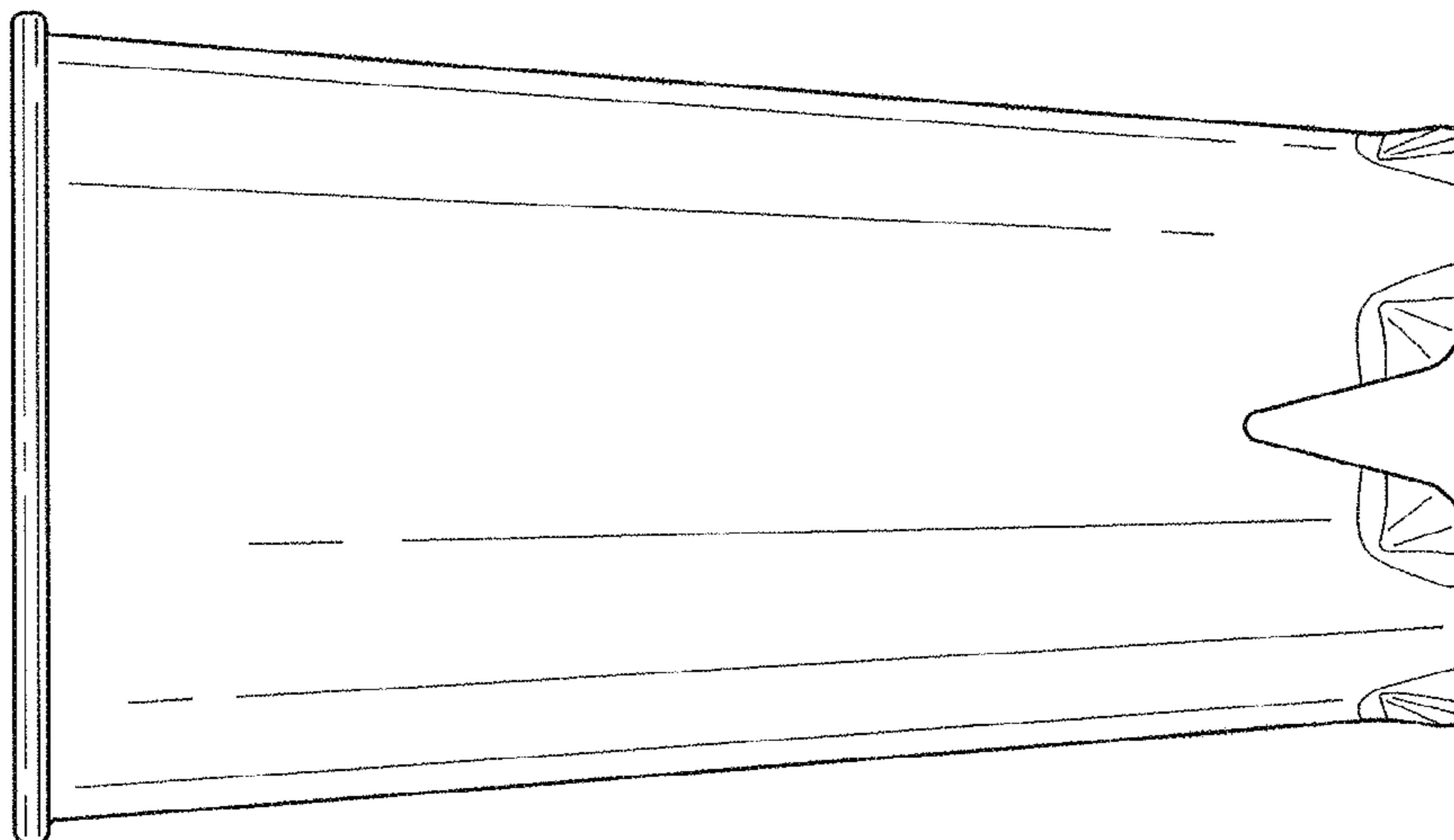


FIG. 3

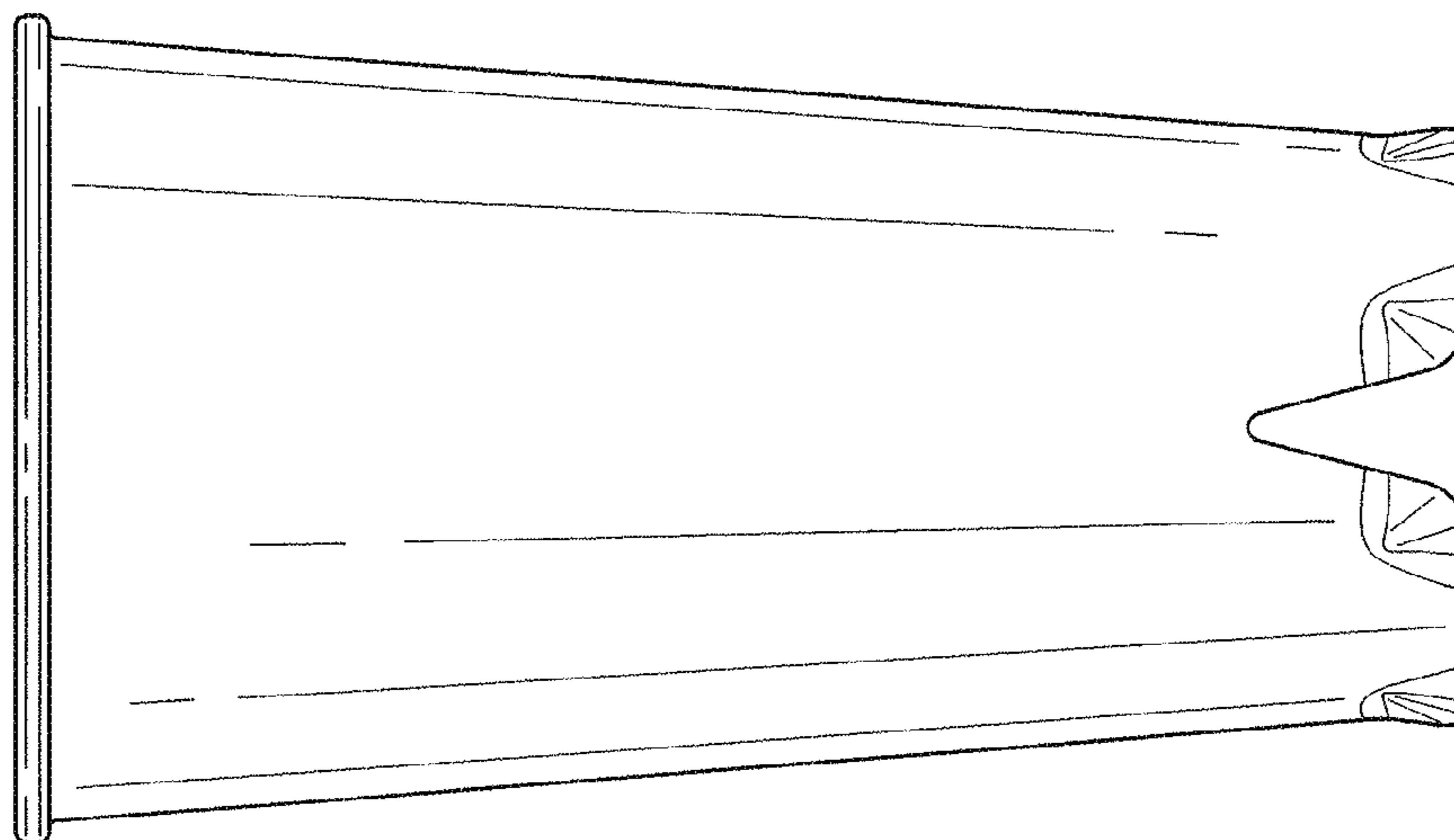


FIG. 4

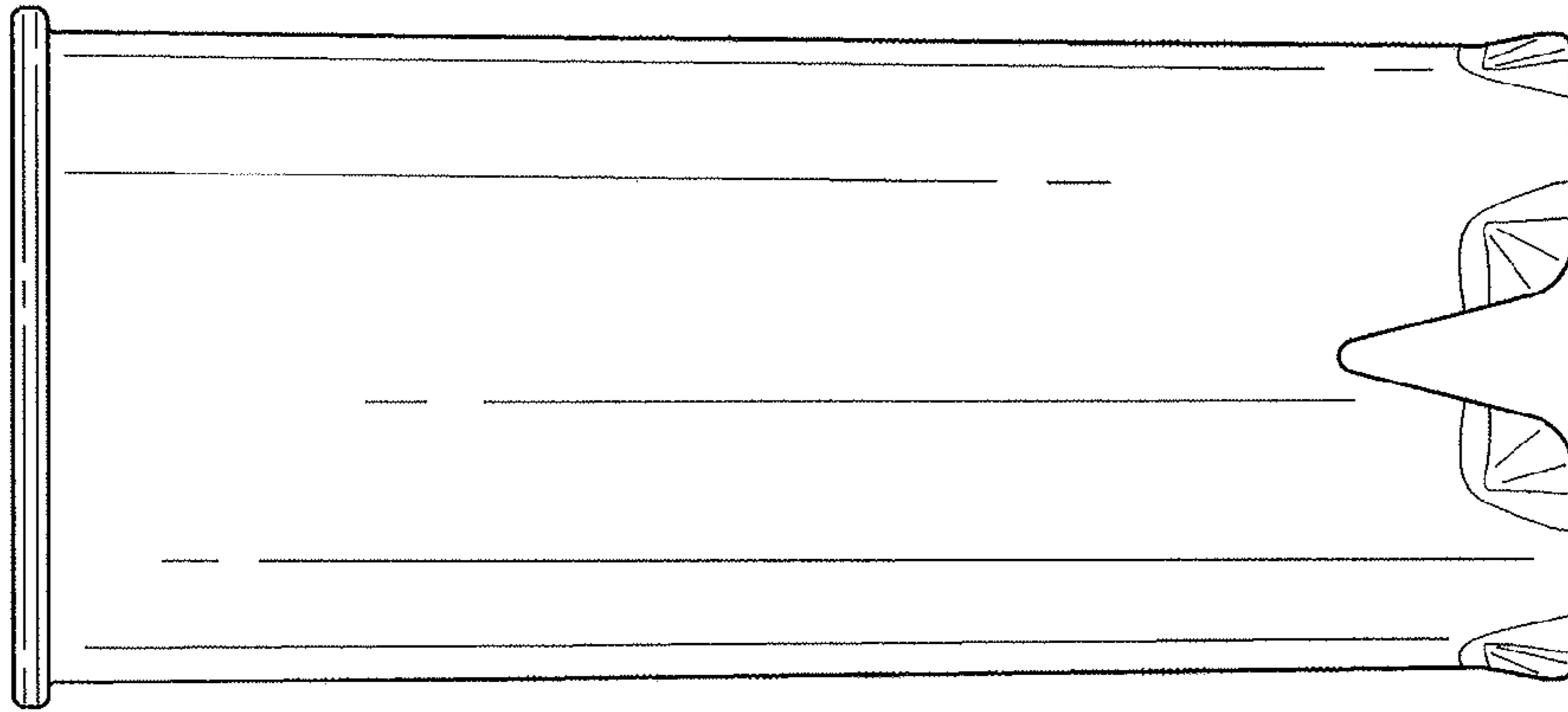


FIG. 5

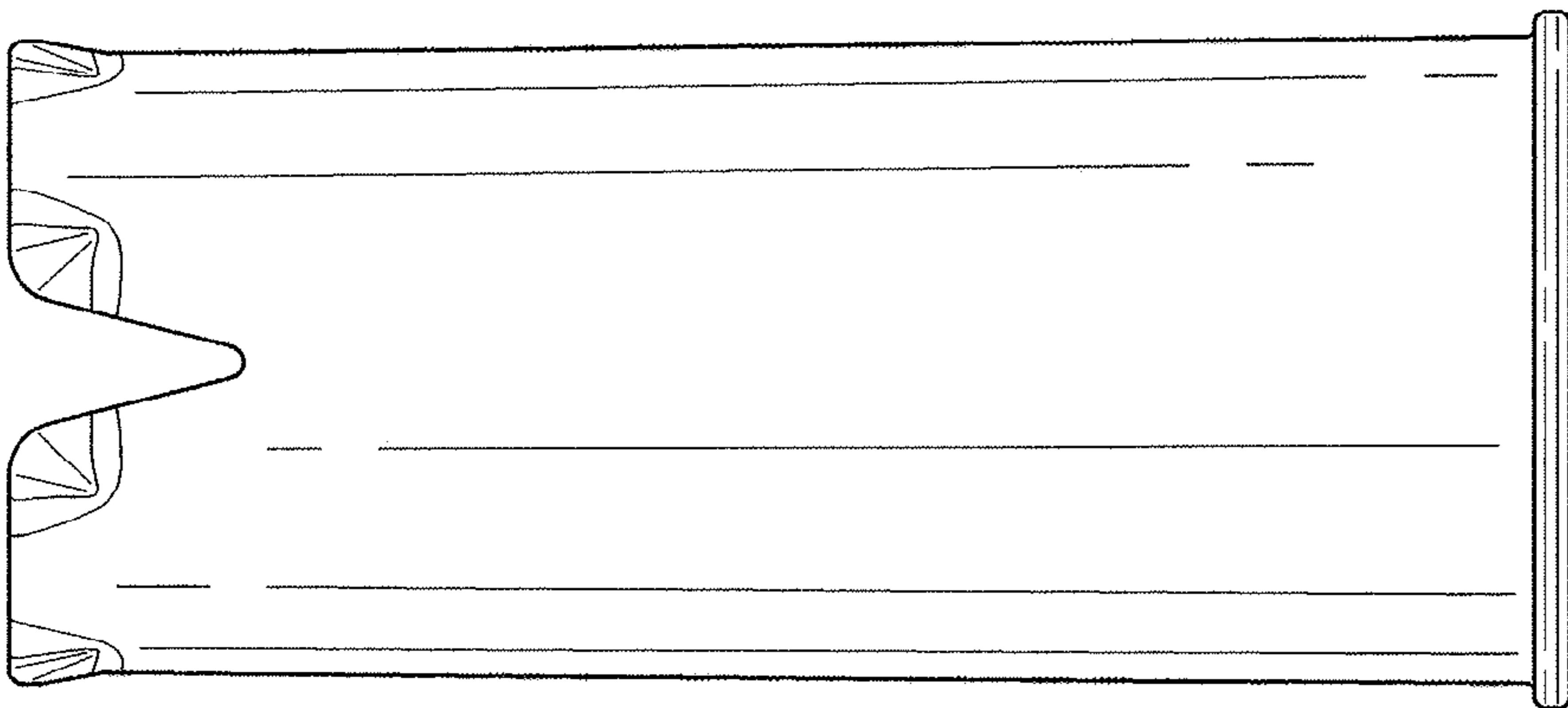


FIG. 6

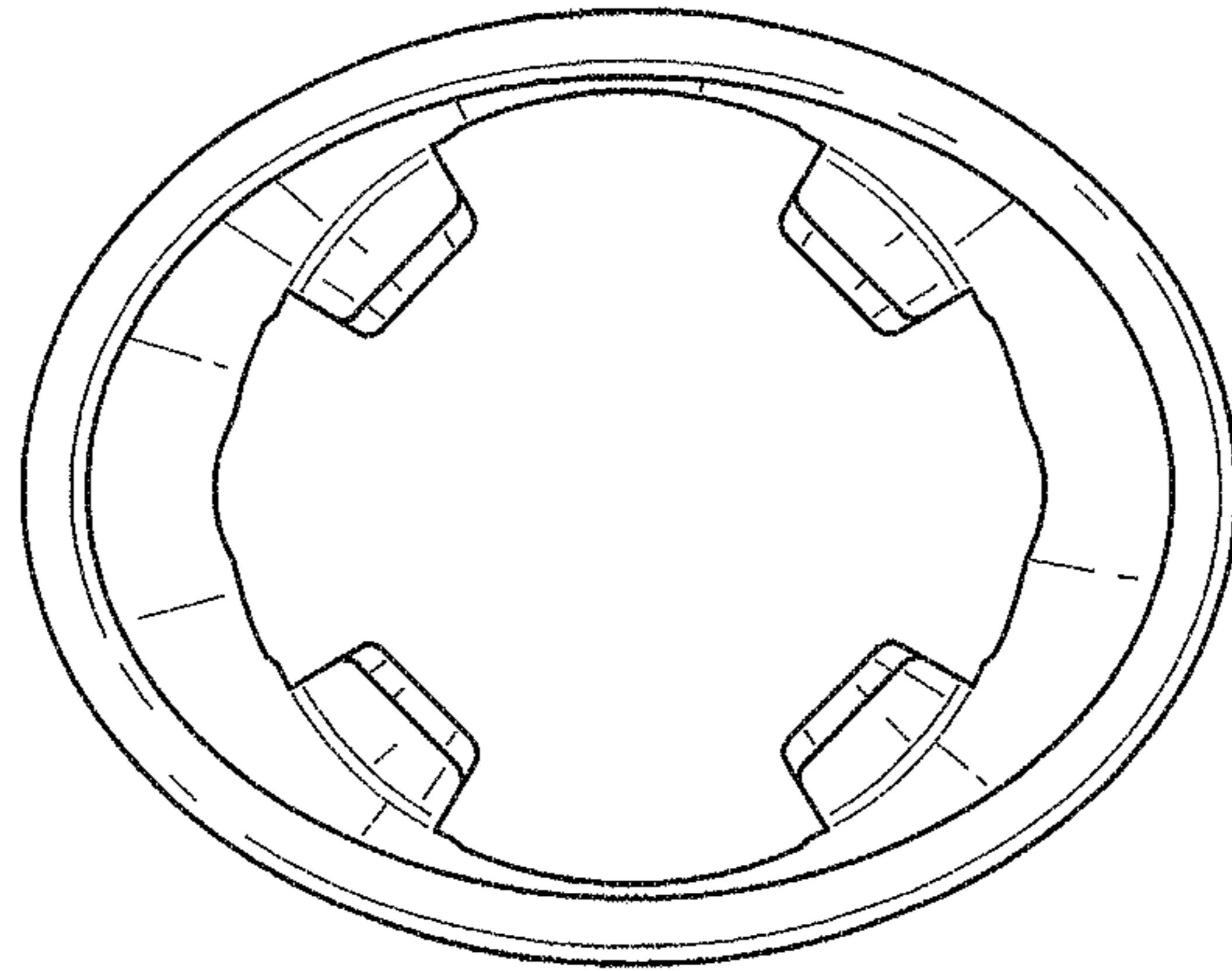


FIG. 7

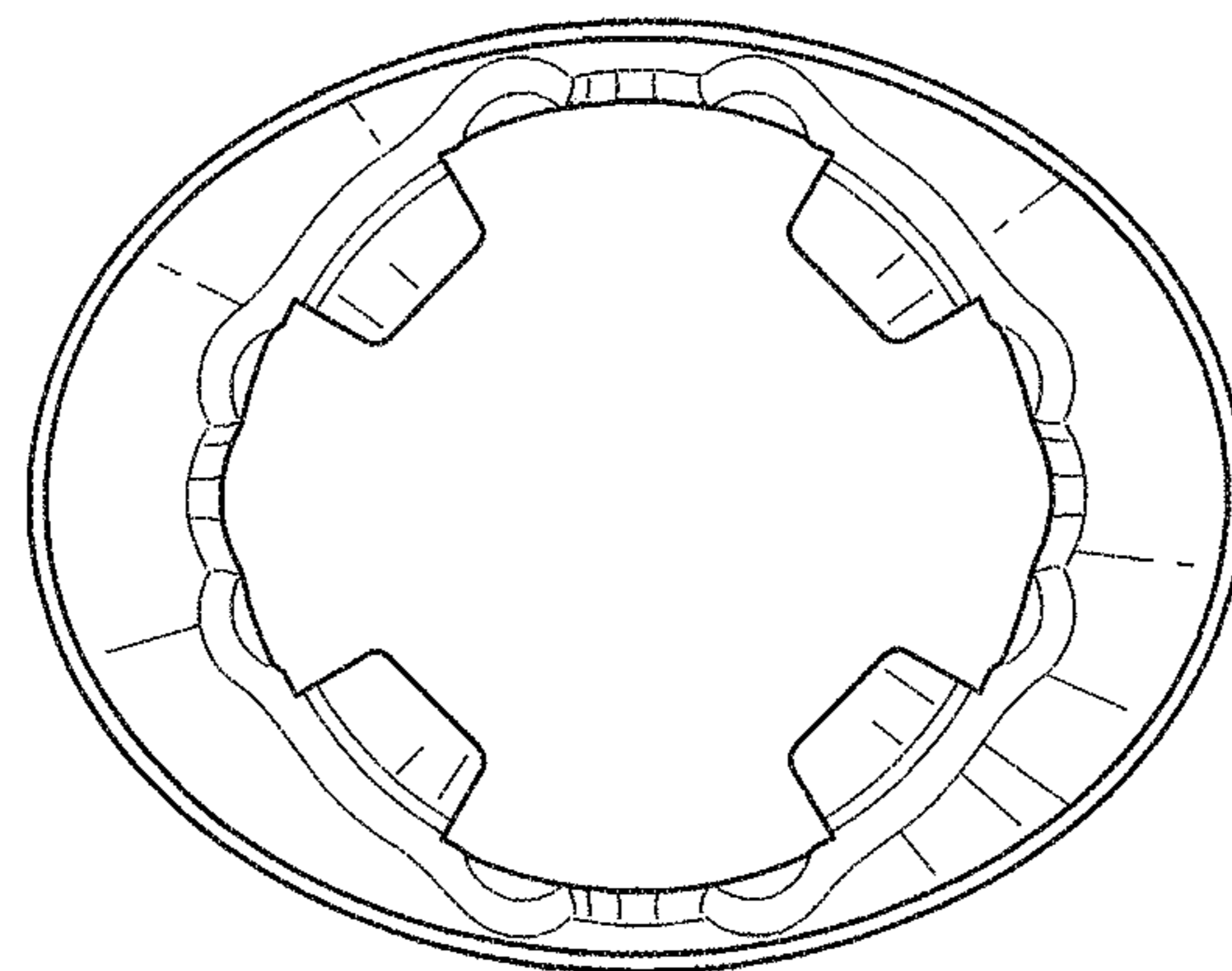


FIG. 8