



US00D928903S

(12) **United States Design Patent** (10) **Patent No.:** **US D928,903 S**
Carson et al. (45) **Date of Patent:** **** Aug. 24, 2021**

- (54) **MUZZLE BRAKE**
- (71) Applicant: **U.S. Government as Represented by the Secretary of the Army**, Dover, NJ (US)
- (72) Inventors: **Robert Carson**, Watervliet, NY (US); **David Marshall**, Ballston Lake, NY (US); **Tyler Bellamy**, Cropseyville, NY (US); **Scott Bentley**, Cohoes, NY (US)
- (73) Assignee: **The United States of America as Represented by the Secretary of the Army**, Washington, DC (US)

- (**) Term: **15 Years**
- (21) Appl. No.: **29/681,822**
- (22) Filed: **Feb. 28, 2019**
- (51) **LOC (13) Cl.** **22-01**
- (52) **U.S. Cl.**
USPC **D22/108**
- (58) **Field of Classification Search**
USPC D22/100, 103, 108, 109, 113, 115, 116, D22/199; D21/302, 567, 573
CPC F41C 7/00; F41C 23/16; F41G 1/02; F41G 1/027; F41G 1/14; F41J 1/10; F42B 6/10; F42B 7/00; F42B 7/02; F41A 17/38
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 4,436,017 A 3/1984 Mohlin
- 5,652,406 A 7/1997 Phan
- 6,216,578 B1* 4/2001 Ledys F41A 21/36 89/14.3
- D515,169 S * 2/2006 Bounds D22/108
- 7,032,339 B1* 4/2006 Bounds F41A 21/36 42/1.06
- 7,600,461 B1 10/2009 Cler
- D666,687 S * 9/2012 Nierenberg D22/108

- 8,424,440 B1* 4/2013 Carson F41A 21/36 89/14.3
- D692,086 S * 10/2013 Nierenberg D22/108
- D694,355 S * 11/2013 Hormann D22/108
- D711,491 S * 8/2014 Nierenberg D22/108
- D716,408 S * 10/2014 Oglesby D22/108
- D716,904 S * 11/2014 Oglesby D22/108

(Continued)

OTHER PUBLICATIONS

“40 S&W Tanker Muzzle Brake Install & Review on Sub 2000” [online], 45 Alfa Charlie Papa. [Published Jan. 28, 2018], Retrieved from the Internet: <<https://www.youtube.com/watch?v=CSGMKfiqf4c>>.*

Primary Examiner — Mojtaba Tehrani

(74) *Attorney, Agent, or Firm* — John P. DiScala

(57) **CLAIM**

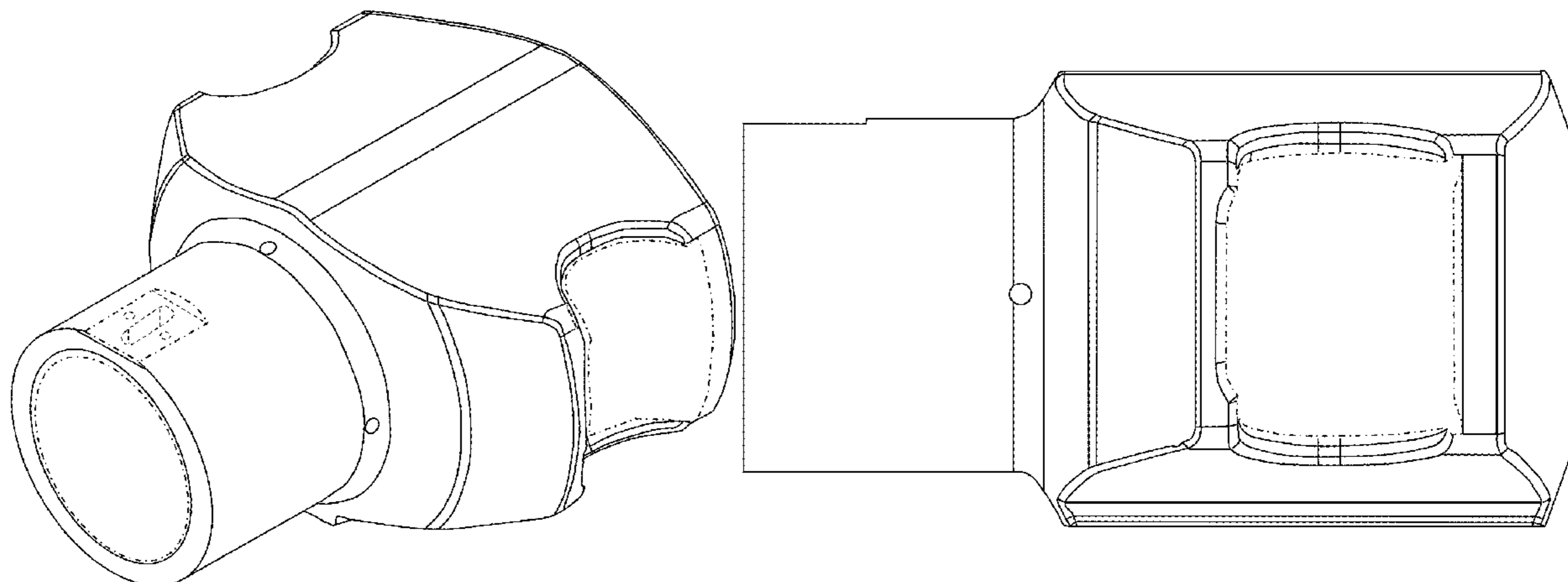
The ornamental design for a muzzle brake, as shown and described.

DESCRIPTION

The invention described herein may be manufactured, used, and licensed by or for the U.S. Government for U.S. Government purposes.

FIG. 1 shows a back perspective view of a muzzle brake. FIG. 2 shows a top plan view of a muzzle brake. FIG. 3 shows a bottom plan view of the muzzle brake. FIG. 4 shows a right side elevational view of the muzzle brake. FIG. 5 shows a left side elevational view of the muzzle brake. FIG. 6 shows a front elevational view of the muzzle brake; and, FIG. 7 shows a rear elevational view of the muzzle brake. The dash-dot broken line in the drawings depicts boundary of the claim; the evenly broken lines depict unclaimed portions of the muzzle brake. The broken lines form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D720,031	S *	12/2014	Buffoni	.....	D22/108
D743,503	S *	11/2015	Huff	.....	D22/108
9,228,789	B1 *	1/2016	Oglesby	.....	F41A 21/36
D754,275	S *	4/2016	Geissele	.....	D22/108
D763,395	S *	8/2016	Joplin	.....	D22/108
D765,209	S *	8/2016	Sui	.....	D22/108
D767,074	S *	9/2016	Sui	.....	D22/108
D779,019	S *	2/2017	Arnedo Vera	.....	D22/108
D787,622	S *	5/2017	Geissele	.....	F41A 35/00
					D22/108
D831,775	S *	10/2018	Hormann	.....	D22/108
10,088,261	B1 *	10/2018	Oglesby	.....	F41A 21/34
D842,960	S *	3/2019	Liu	.....	D22/108
D846,684	S *	4/2019	Montes	.....	D22/108
D860,368	S *	9/2019	Hargis	.....	D22/108
D868,197	S *	11/2019	Bender	.....	D22/108
10,788,283	B2 *	9/2020	Joplin	.....	F41A 21/38
D906,463	S *	12/2020	McGuirk	.....	D22/108
2005/0252365	A1 *	11/2005	Balbo	.....	F41A 21/325
					89/14.3
2010/0275492	A1 *	11/2010	Moller	.....	F41A 21/325
					42/79
2011/0174141	A1 *	7/2011	Adolphsen	.....	B29C 39/10
					89/14.3
2012/0180352	A1 *	7/2012	Addis	.....	F41A 35/00
					42/1.06

* cited by examiner

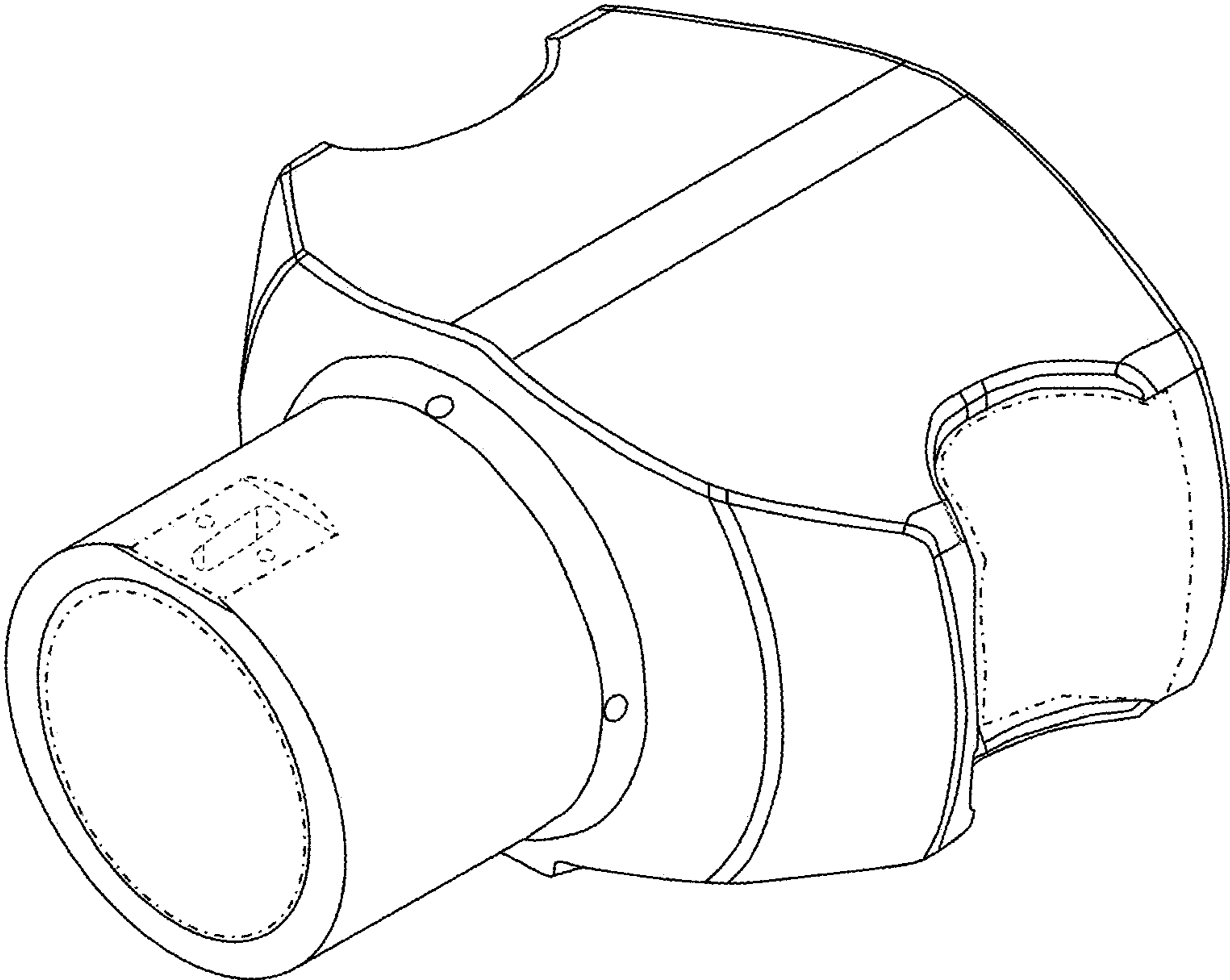


FIG. 1

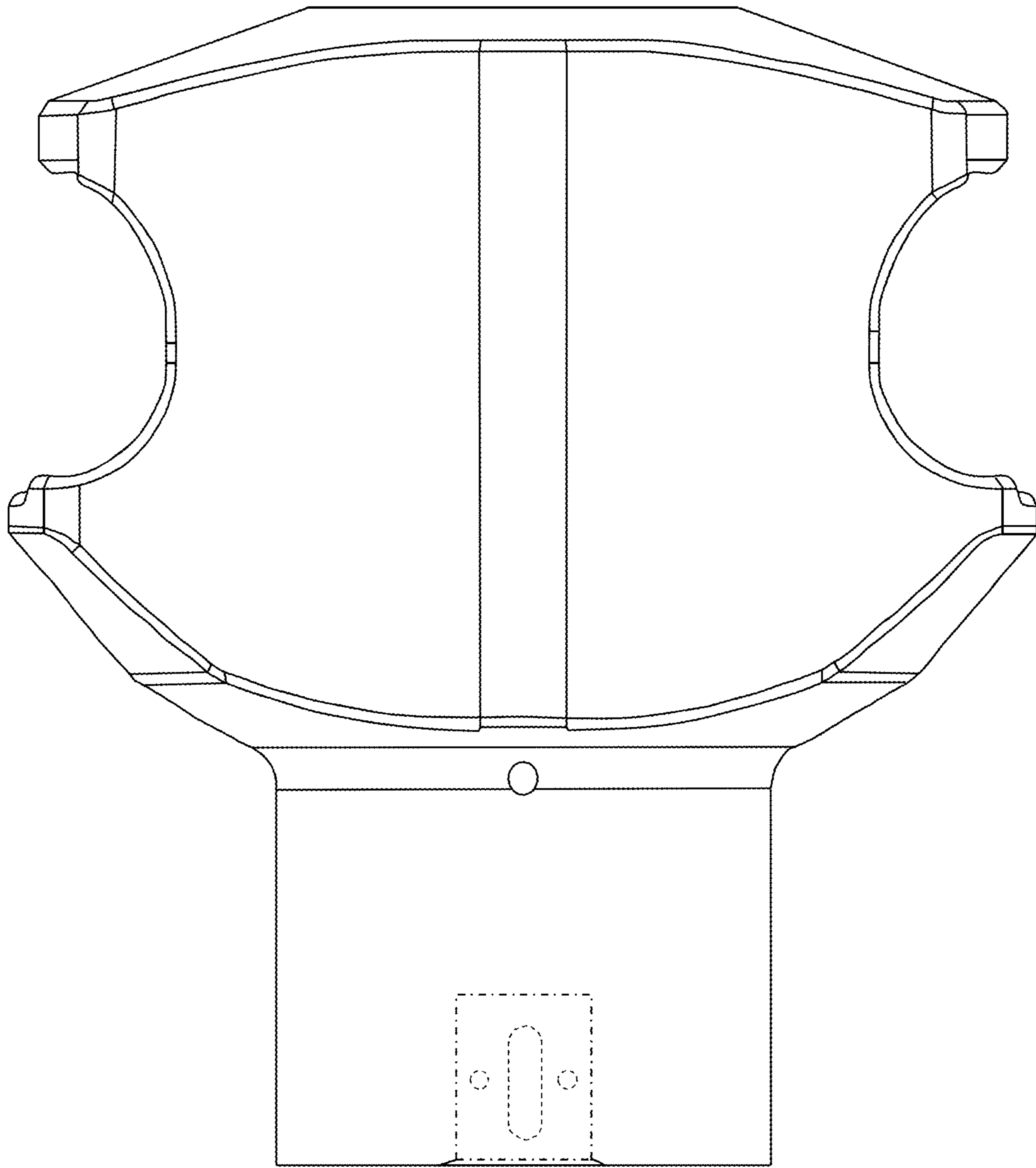


FIG. 2

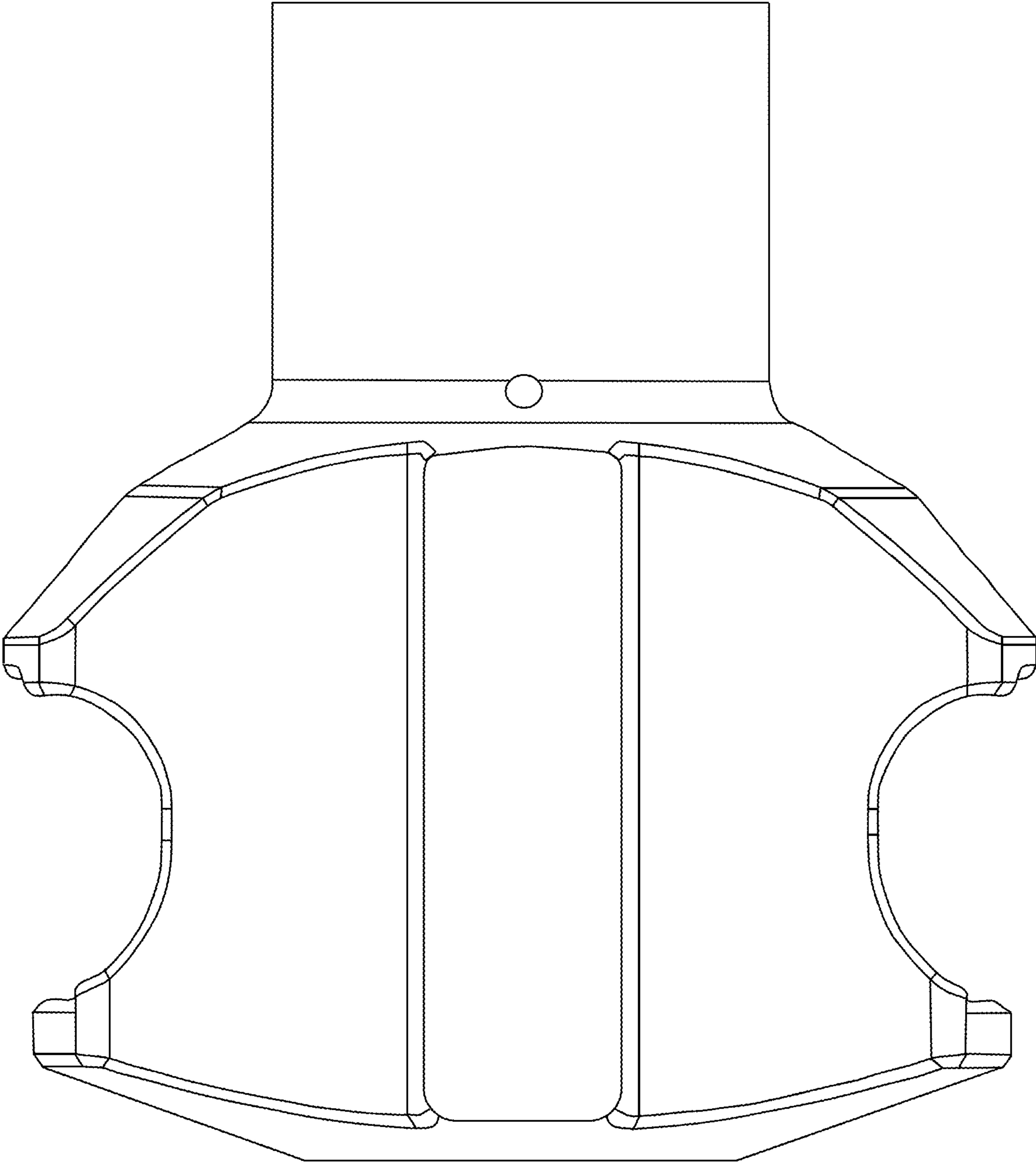


FIG. 3

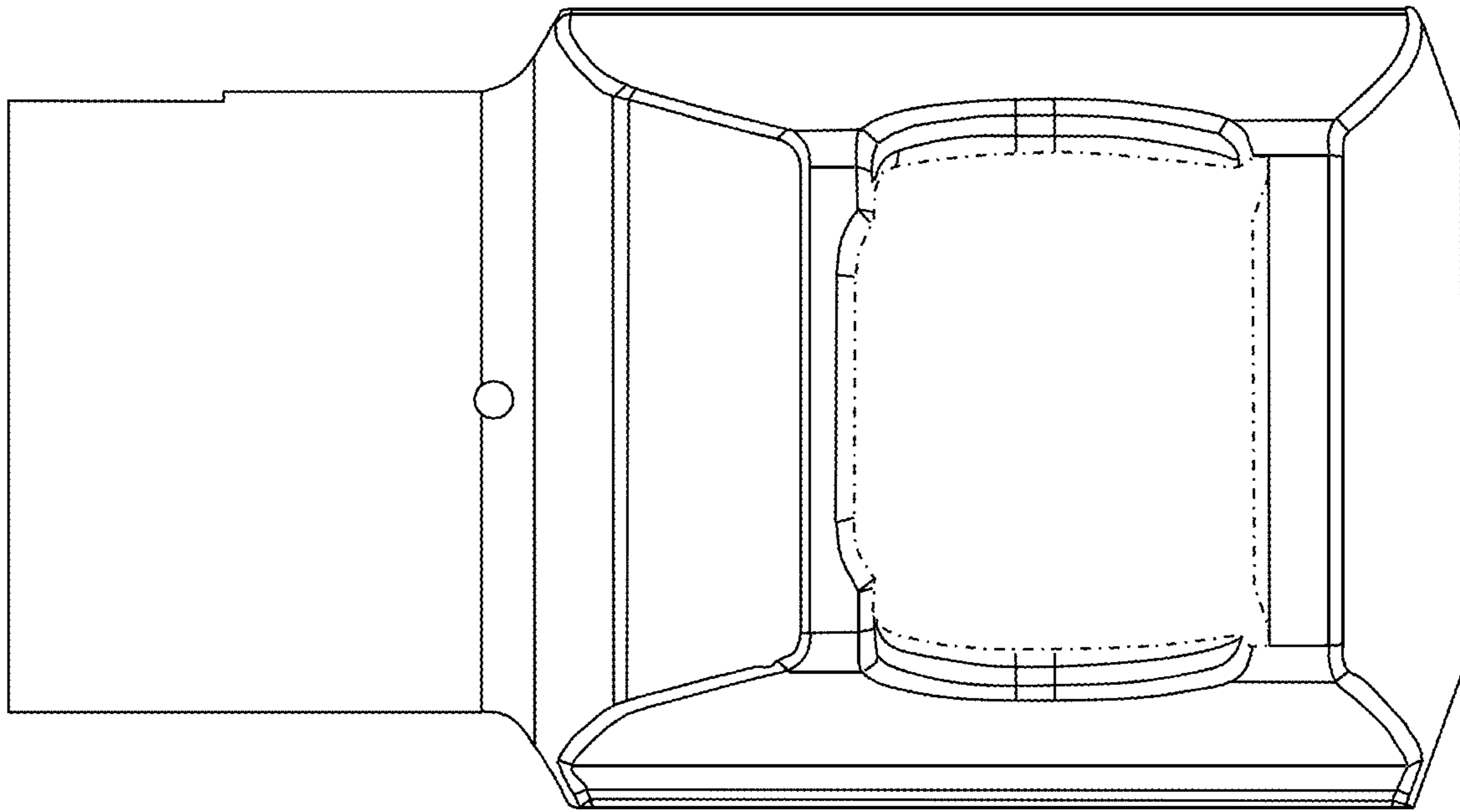


FIG. 4

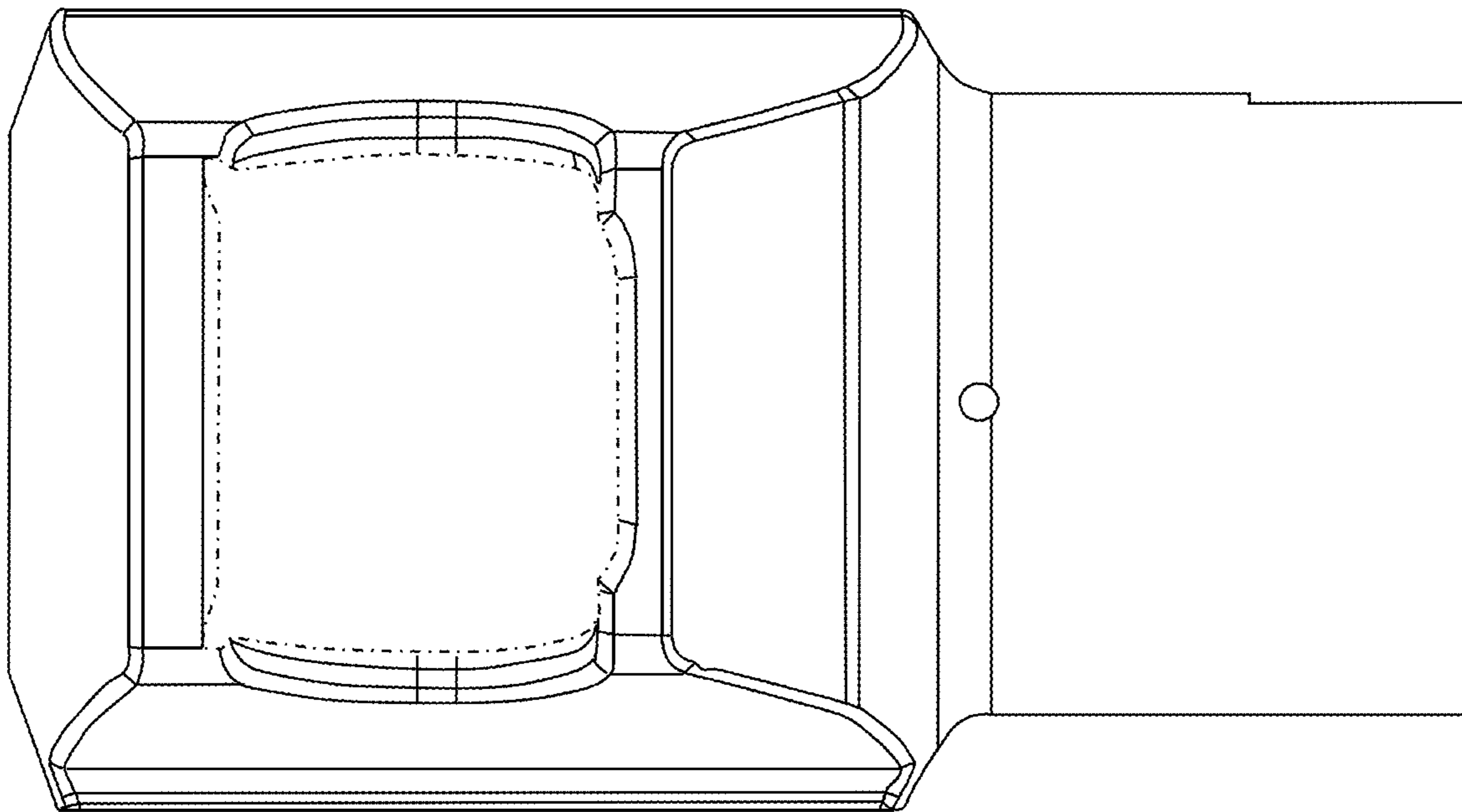


FIG. 5

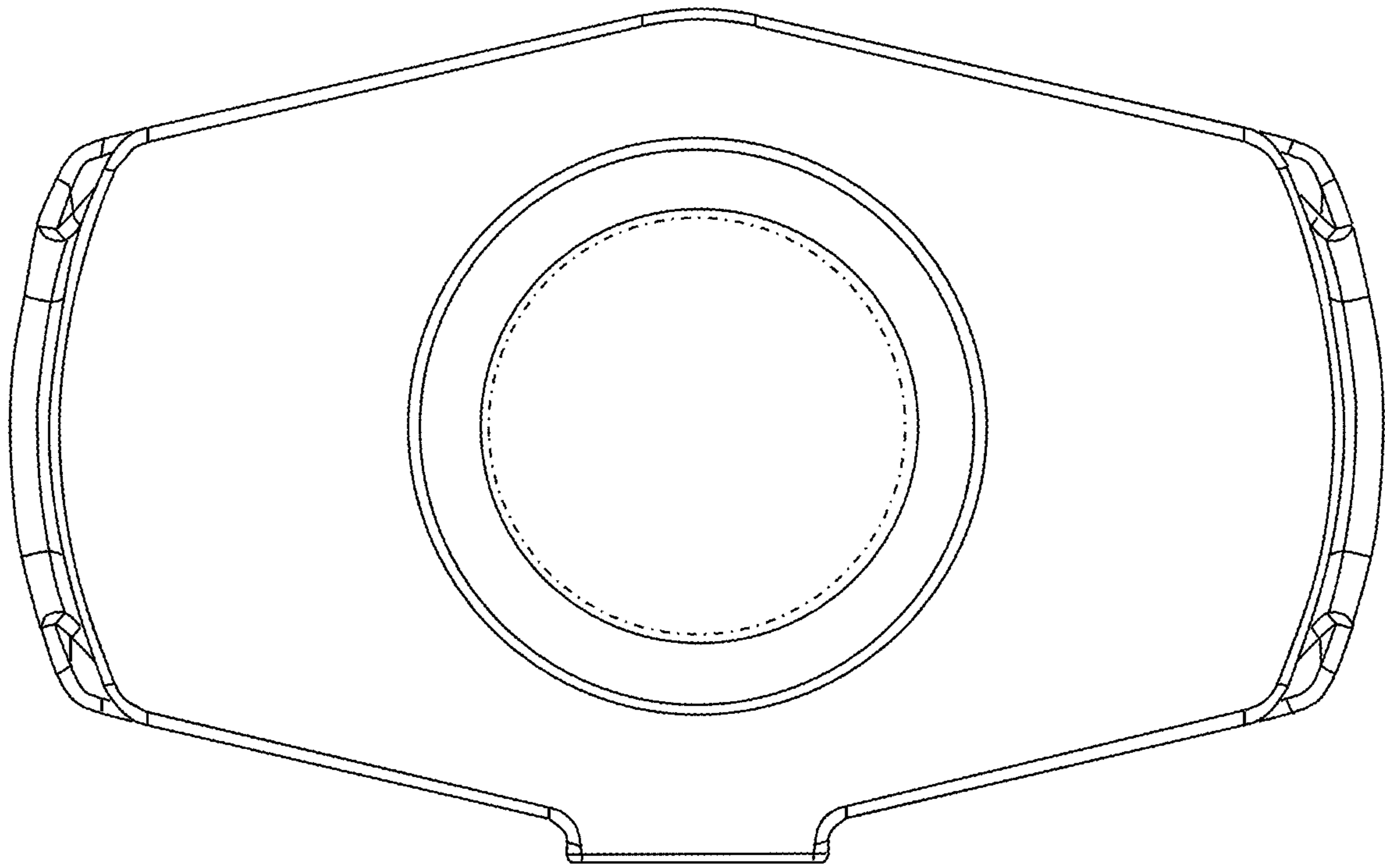


FIG. 6

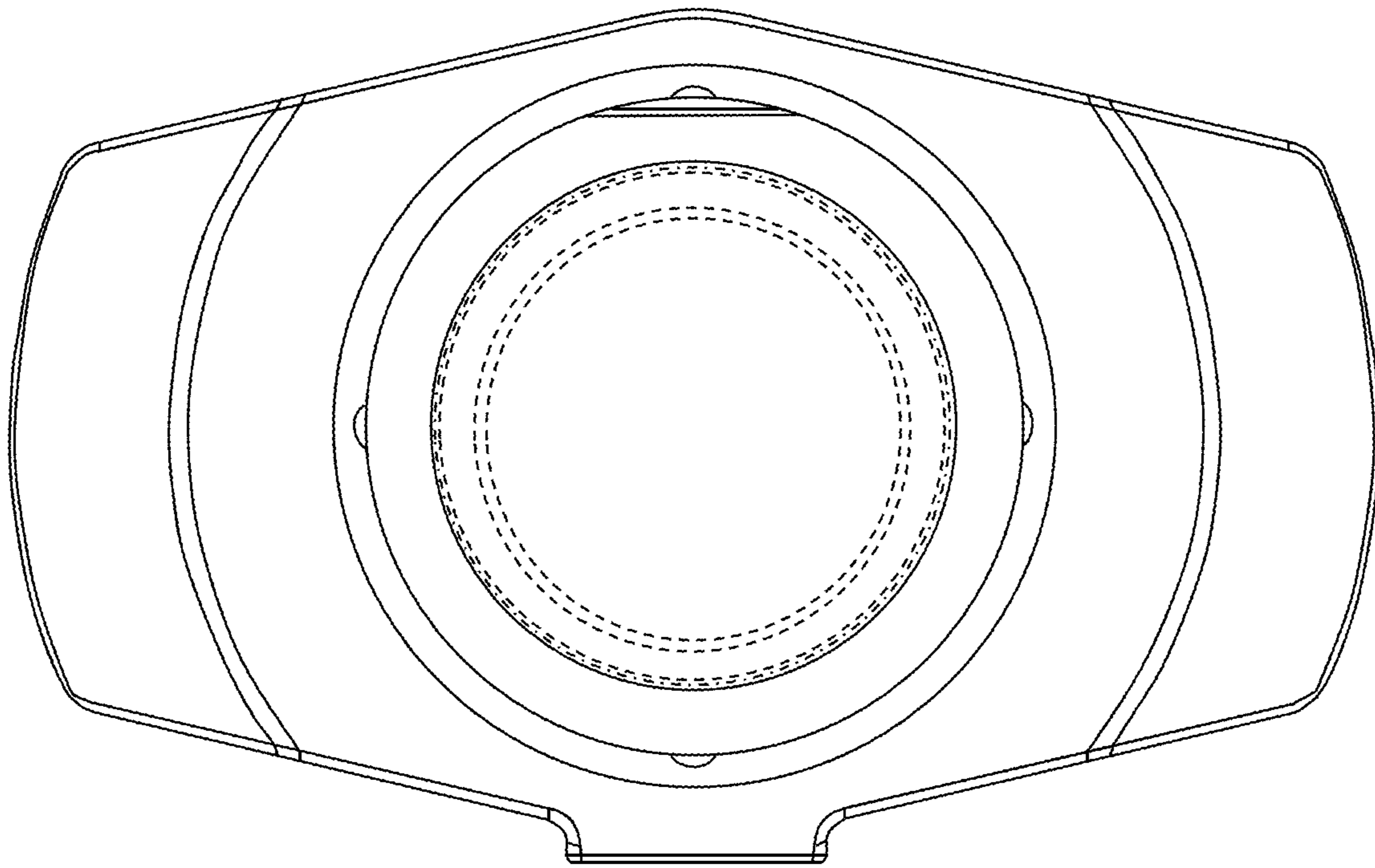


FIG. 7