



US00D796291S

(12) **United States Design Patent** (10) **Patent No.:** **US D796,291 S**
Sewell et al. (45) **Date of Patent:** **** Sep. 5, 2017**

(54) **MICROTRENCHING BLADE AND TOOTH**

(71) Applicant: **The Charles Machine Works, Inc.**,
Perry, OK (US)

(72) Inventors: **Cody L. Sewell**, Perry, OK (US);
Michael C. Walgren, Lake Havasu
City, AZ (US)

(73) Assignee: **The Charles Machines Works, Inc.**,
Perry, OK (US)

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

(21) Appl. No.: **29/559,141**

(22) Filed: **Mar. 24, 2016**

(51) **LOC (10) Cl.** **08-03**

(52) **U.S. Cl.**
USPC **D8/66; D15/133**

(58) **Field of Classification Search**
USPC D8/20, 23, 41, 64, 66, 70, 92; D15/133,
D15/139; D7/385
CPC B27B 5/00; B27B 33/08; B27B 33/12;
B27B 33/142; B27B 33/144; B27B
33/145

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D283,784 S *	5/1986	Croydon	.....	D15/133
D293,074 S *	12/1987	Inoue	.....	D15/133
D296,980 S *	8/1988	Chaconas	.....	D8/66
D382,786 S *	8/1997	Achterberg	.....	D8/70
D382,787 S *	8/1997	Gakhar	.....	D8/70
D383,368 S *	9/1997	Achterberg	.....	D8/74
D459,171 S *	6/2002	Hong	.....	D8/20
8,375,605 B2	2/2013	Ruhl et al.		
D677,290 S *	3/2013	Brutscher	.....	D15/133
8,806,784 B2	8/2014	Ruhl et al.		
D716,355 S *	10/2014	Lizzi	.....	D15/133

D724,124 S *	3/2015	Vicchio	.....	D15/133
2014/0345169 A1	11/2014	Ruhl et al.		
2015/0218777 A1	8/2015	Sewell et al.		

OTHER PUBLICATIONS

<https://www.amazon.com/Freud-D0760X-Diablo-Finish-4-Inch/dp/B001CZEU0S/>—Available as early as Apr. 3, 2007.*
<https://www.amazon.com/DEWALT-DW9196-Cutting-Precision-Finishing/dp/B00697YQIU/>—Available as early as Nov. 17, 2011.*
<https://www.amazon.com/Tools-MARATHON-Carbide-Circular-24030/dp/B00006700G/>—Available as early as May 13, 2002.*

* cited by examiner

Primary Examiner — Manpreet Matharu

Assistant Examiner — Mojtaba Tehrani

(74) *Attorney, Agent, or Firm* — Tomlinson McKinstry, P.C.

(57) **CLAIM**

The ornamental design for a micro trenching blade and tooth, as shown and described herein.

DESCRIPTION

FIG. 1 is a side view of a microtrenching blade showing our new design;

FIG. 2 is a perspective view thereof;

FIG. 3 is a close-up top view thereof;

FIG. 4 is a close-up side view thereof;

FIG. 5 is a side view of a cutting tooth used with the microtrenching blade of FIG. 1;

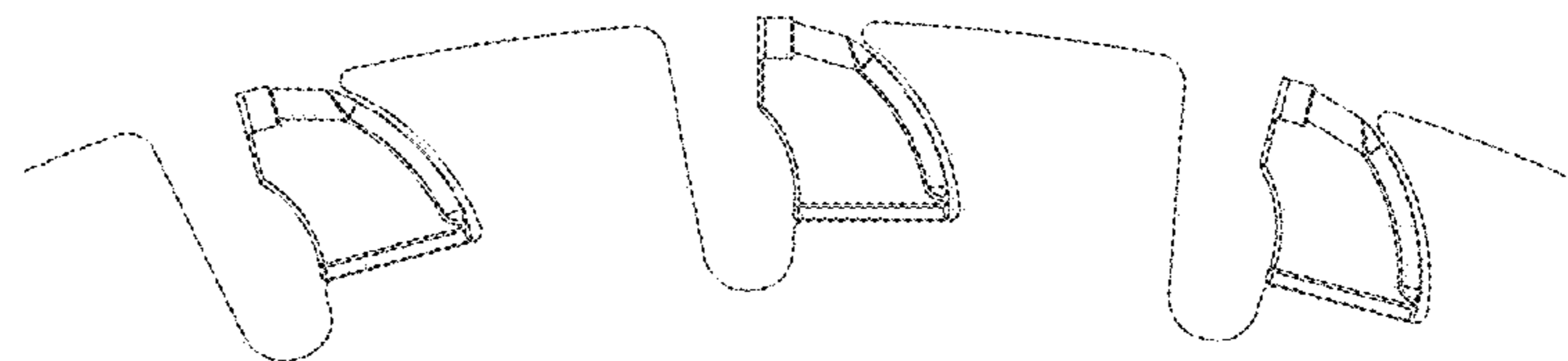
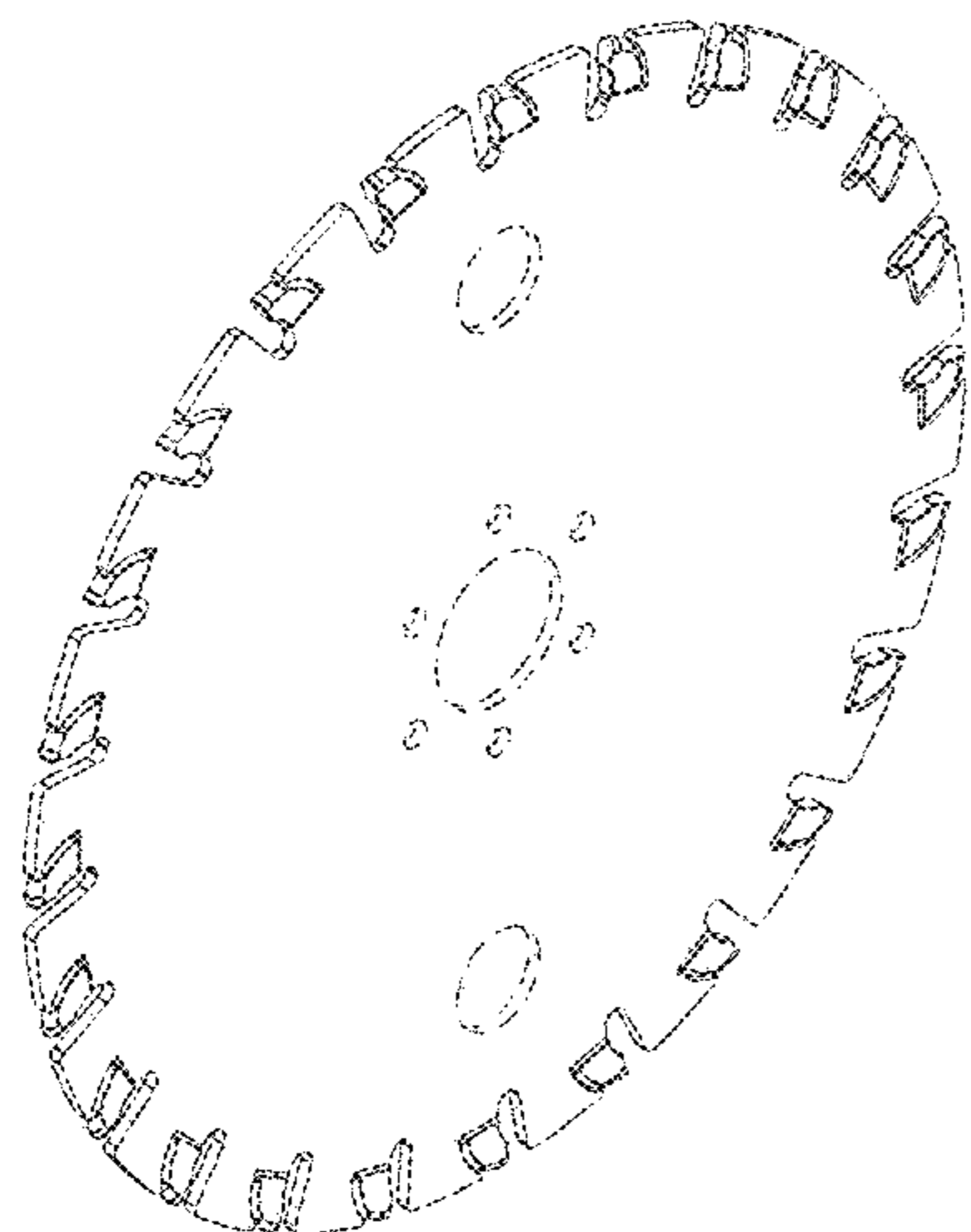
FIG. 6 is a front view of the cutting tooth shown in FIG. 5;

FIG. 7 is a top view of the cutting tooth shown in FIG. 5; and,

FIG. 8 is a perspective view of the cutting tooth shown in FIG. 5.

The pattern repeats uniformly throughout the circumference of the blade. The broken line in the figure drawings represents unclaimed environment only and forms no part of the claimed design.

1 Claim, 7 Drawing Sheets



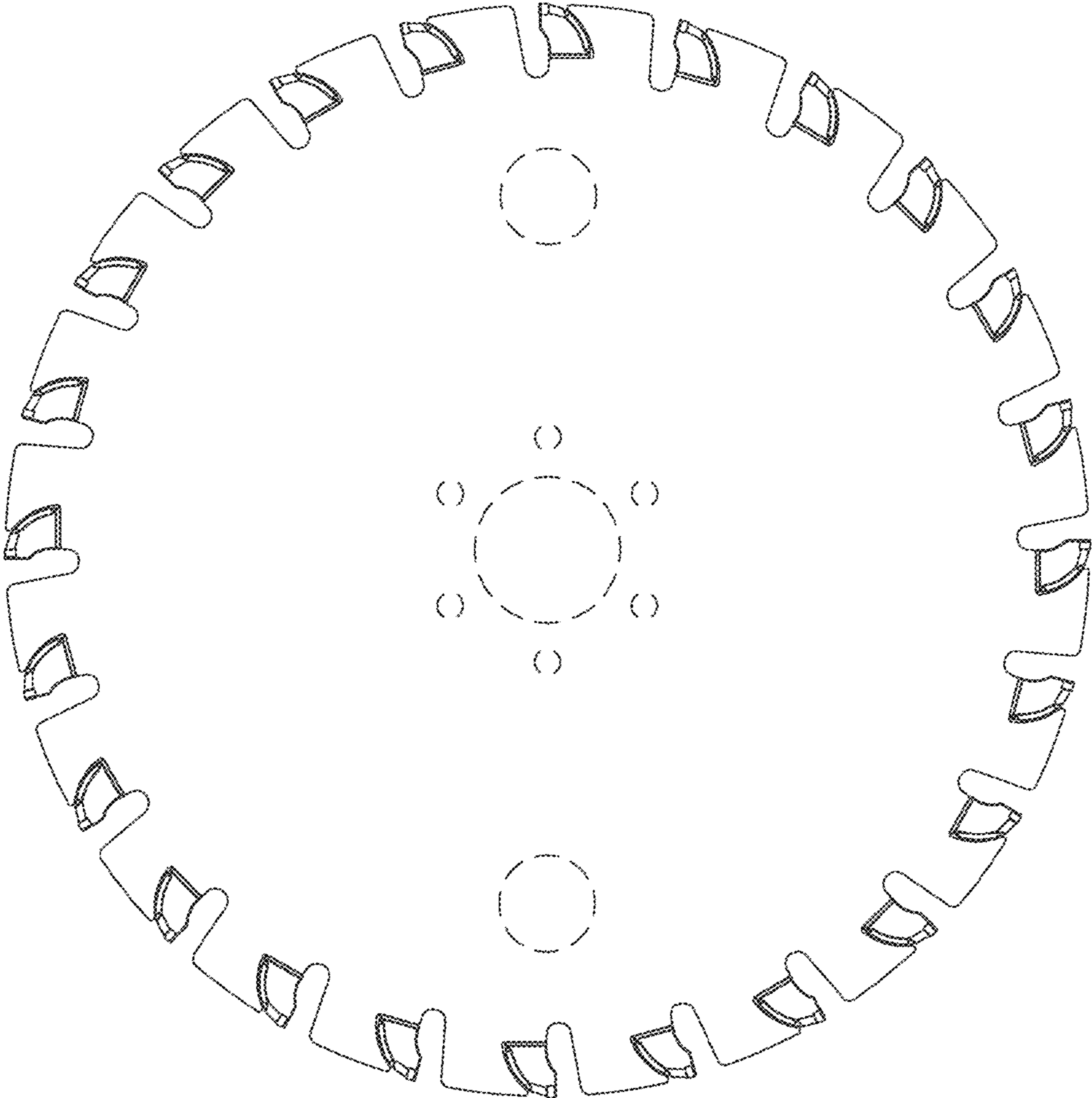


FIG. 1

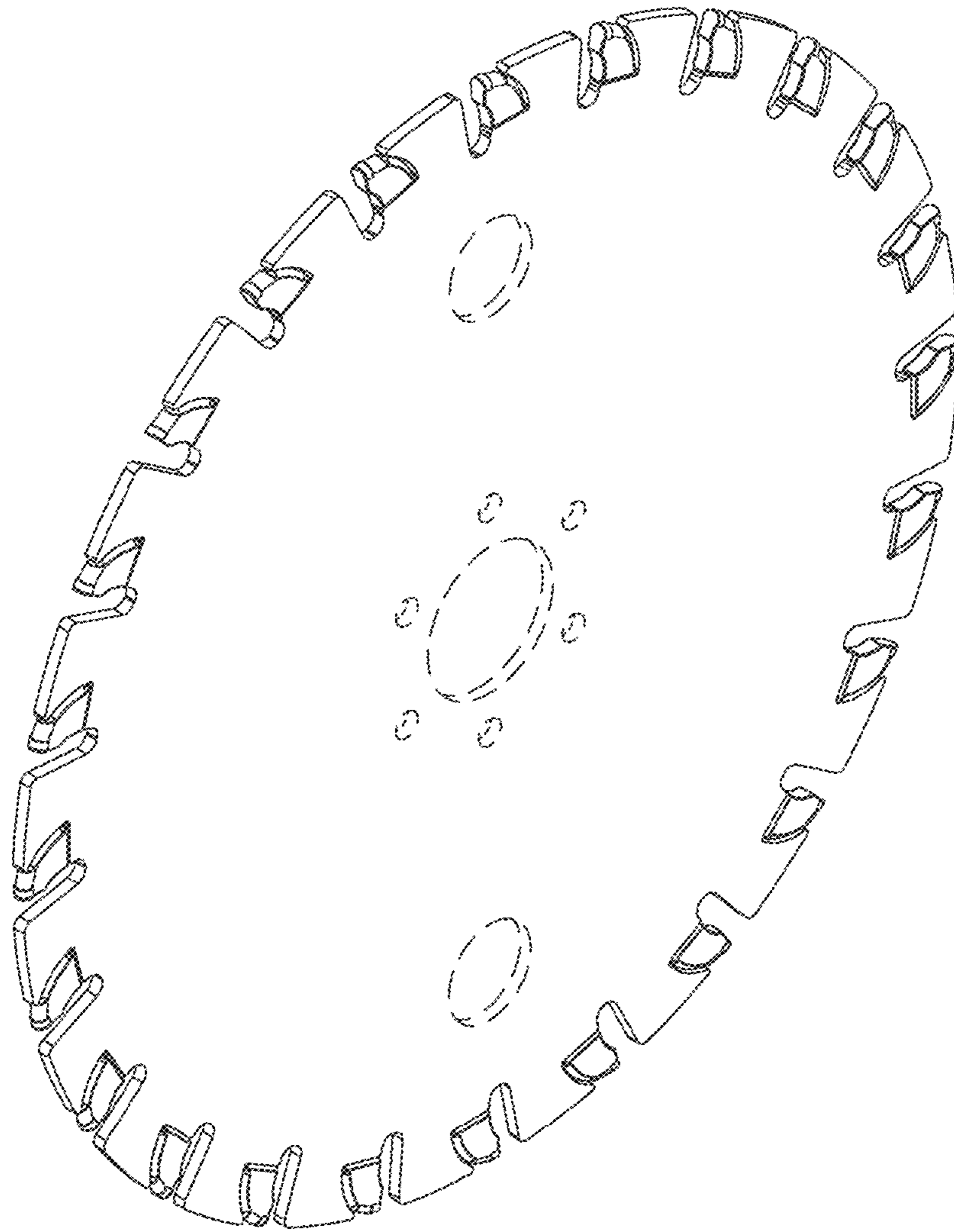


FIG. 2

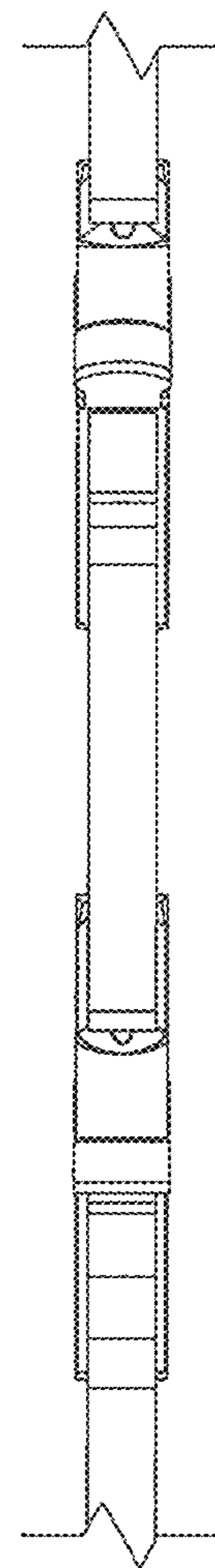


FIG. 3

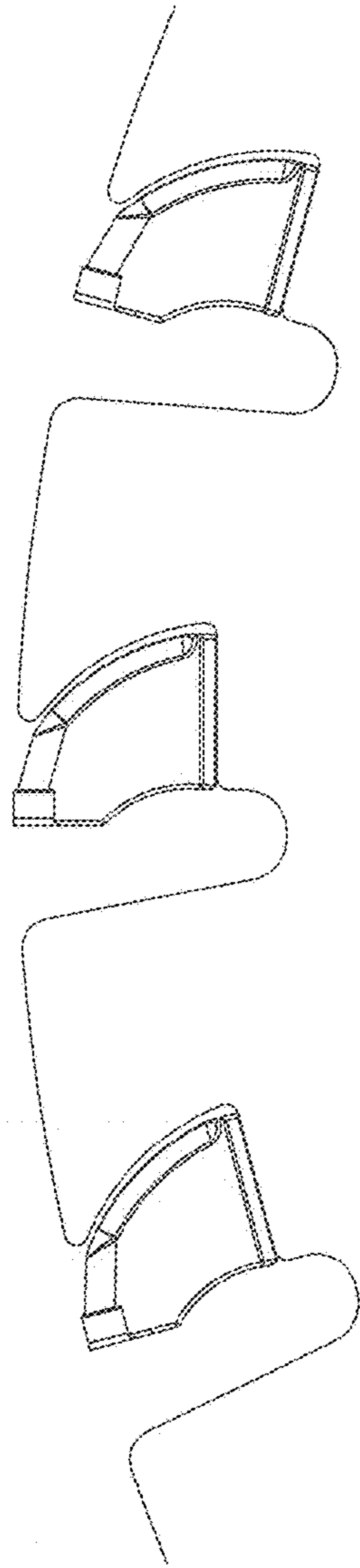


FIG. 4

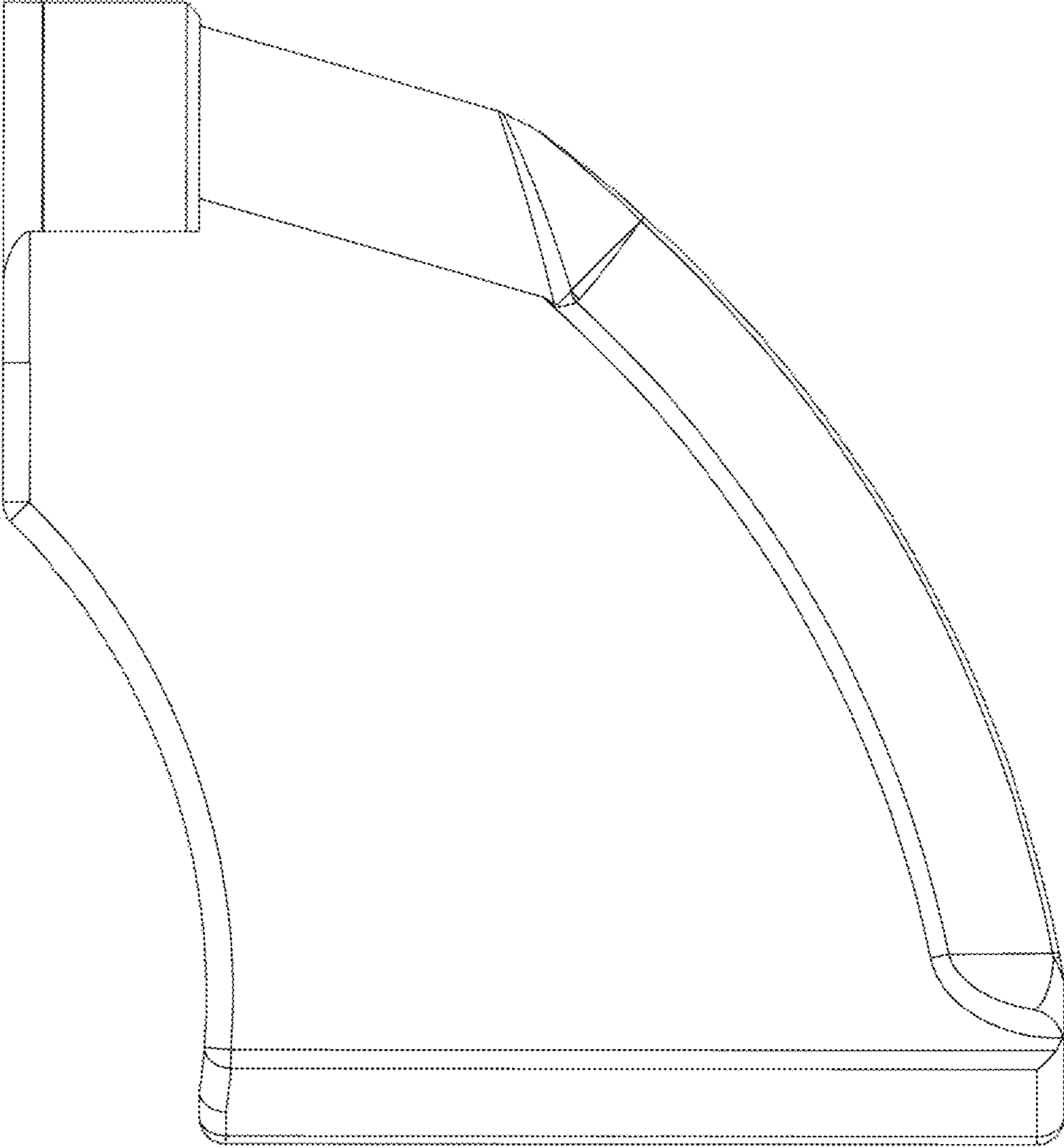


FIG. 5

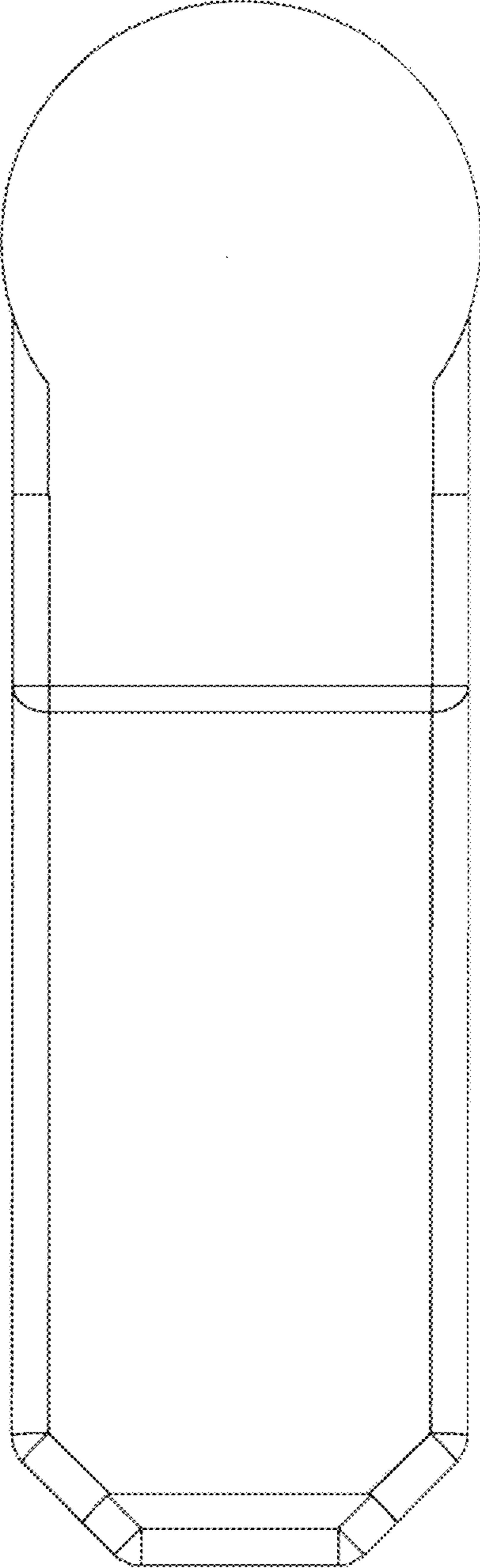


FIG. 6

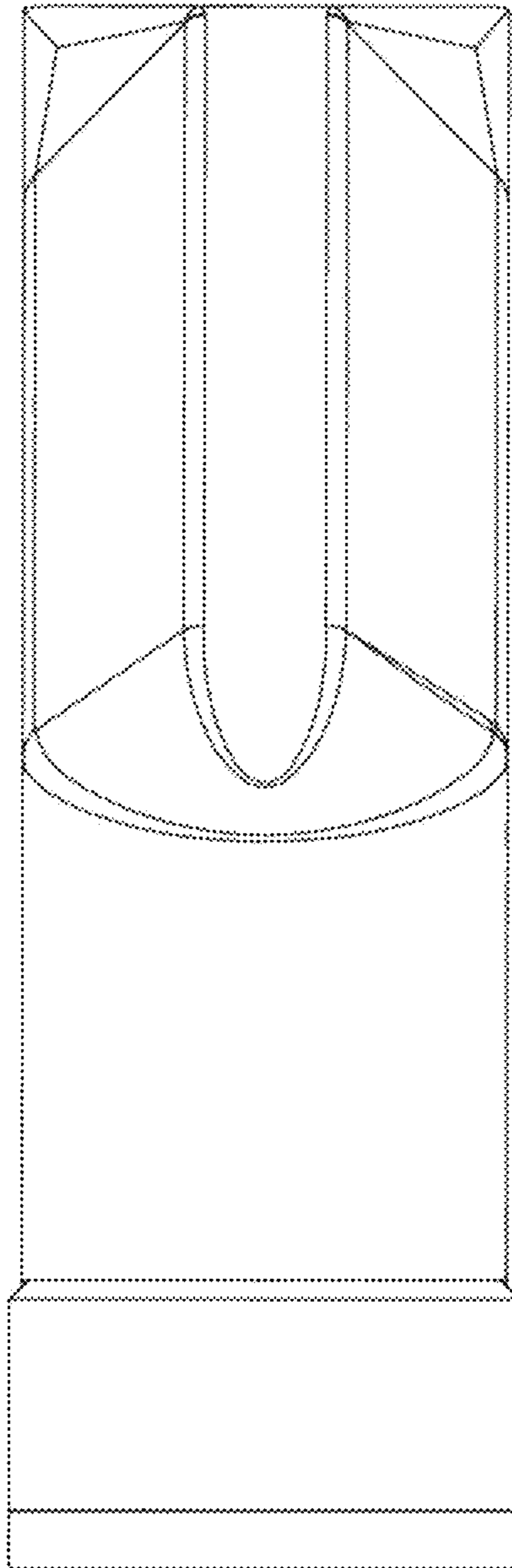


FIG. 7

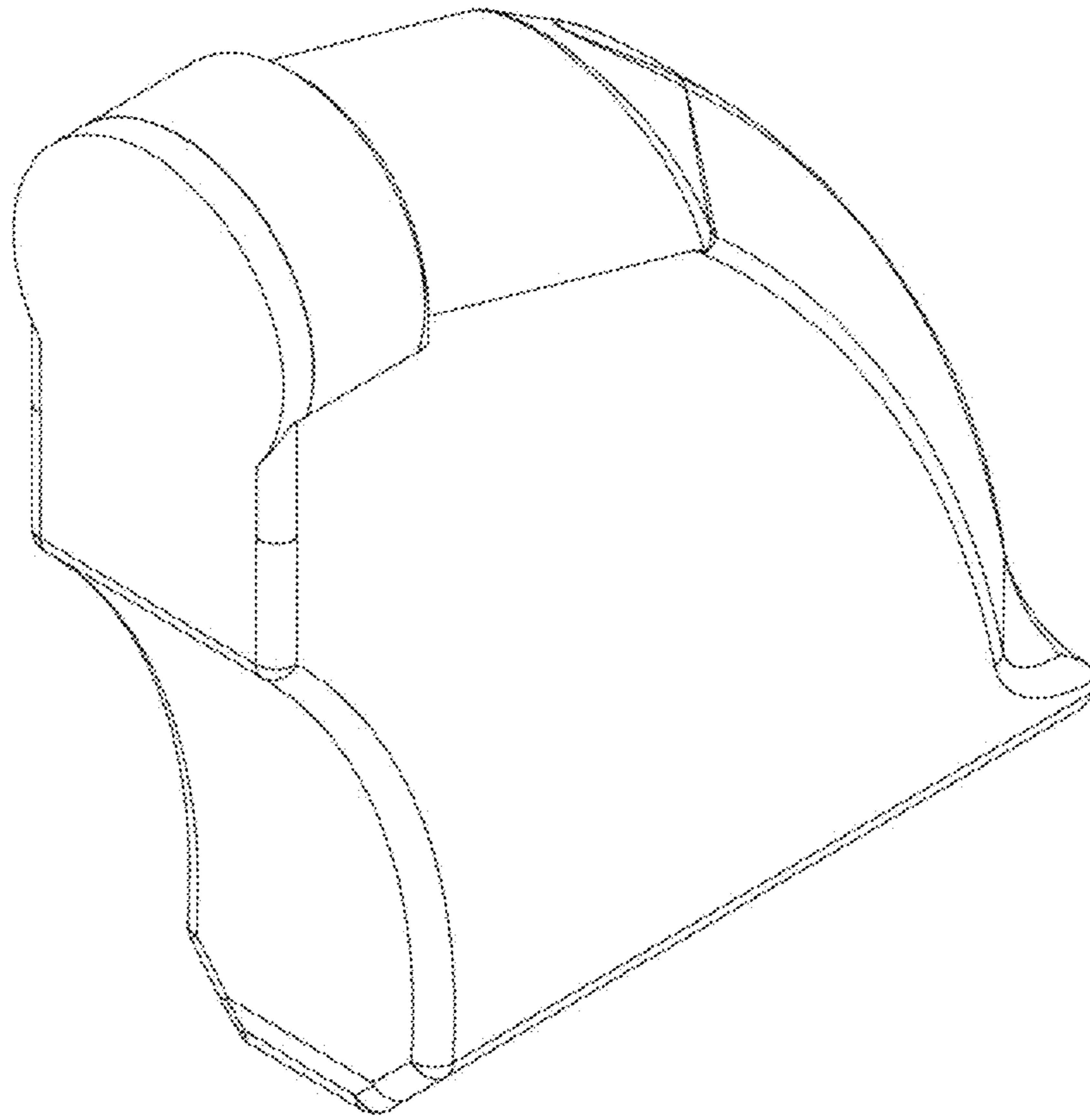


FIG. 8