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(12) **United States Design Patent** (10) **Patent No.:** **US D796,292 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 Machine Works, Inc.,**  
Perry, OK (US)

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

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

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

(58) **Field of Classification Search**  
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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**

88,949	A	*	4/1869	Emerson	.....	B23D 61/06 83/840
D283,784	S	*	5/1986	Croydon	.....	D15/133
D293,074	S	*	12/1987	Inoue	.....	D15/133
5,090,287	A	*	2/1992	Chezem	.....	B23D 61/02 144/231
D383,368	S	*	9/1997	Achterberg	.....	D8/74
D390,436	S	*	2/1998	Vaagen	.....	D15/139
D459,171	S	*	6/2002	Hong	.....	D8/20
8,375,605	B2		2/2013	Ruhl et al.		
8,806,784	B2		8/2014	Ruhl et al.		
D717,841	S	*	11/2014	Hoang	.....	D15/133
D717,843	S	*	11/2014	Hoang	.....	D15/133
2014/0345169	A1		11/2014	Ruhl et al.		
2015/0218777	A1		8/2015	Sewell et al.		

**OTHER PUBLICATIONS**

<https://www.amazon.com/King-Arthurs-Tools-45822-Lancelot/dp/B0000224SJ/>—Available as early as Apr. 1, 2004.\*

<https://www.amazon.com/King-Arthurs-Tools-35818-Squire/dp/B00004RHL9/>—Retrieved Jul. 5, 2017.\*

\* 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. 5A is a back left perspective view of a cutting tooth used with the microtrenching blade of FIG. 1;

FIG. 5B is a front right perspective view of the cutting tooth shown in FIG. 5A;

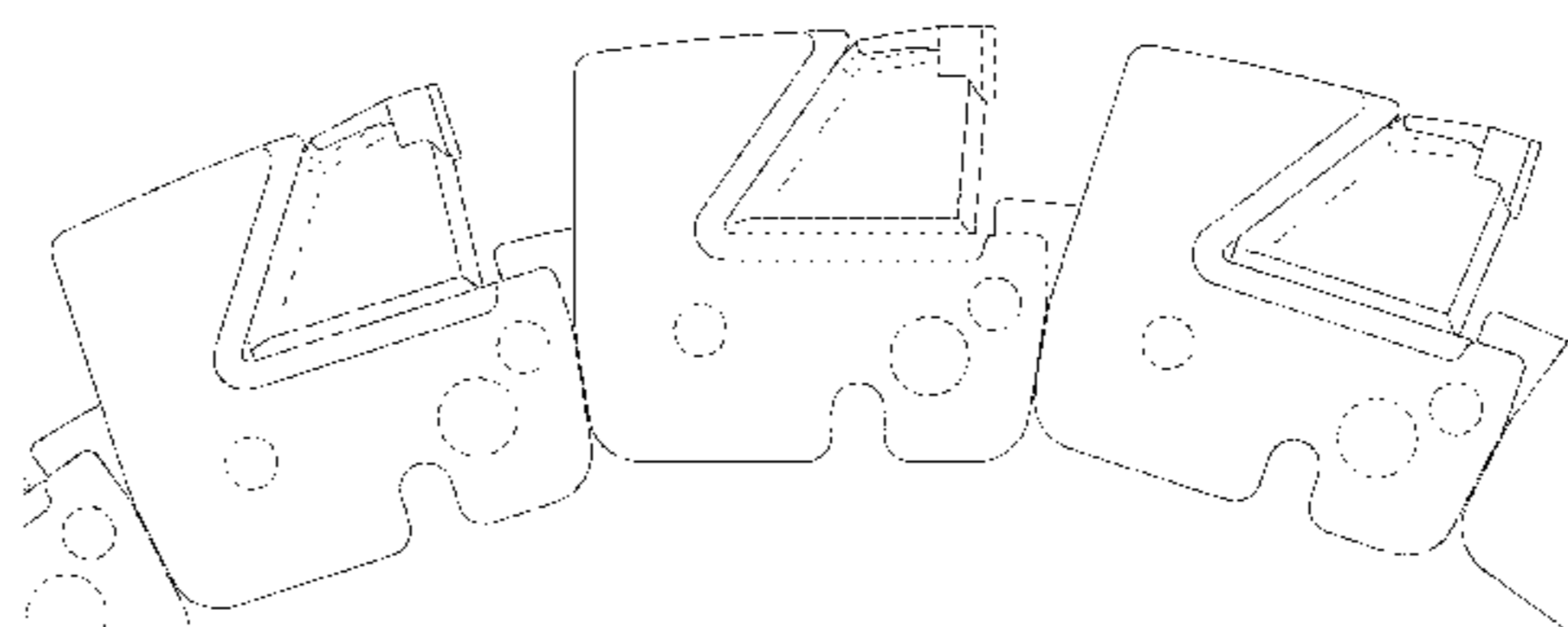
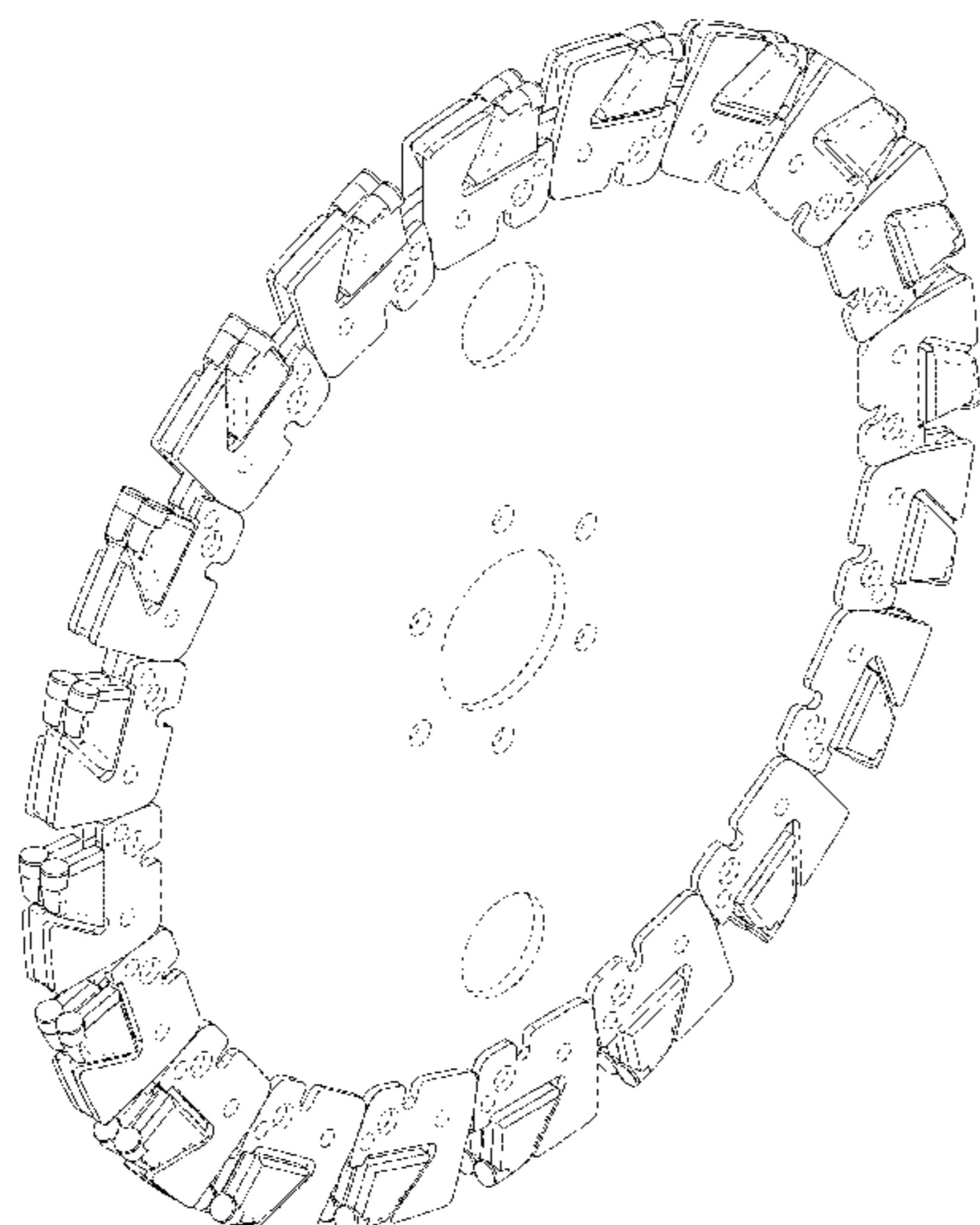
FIG. 5C is a left side view of the cutting tooth shown in FIG. 5A;

FIG. 5D is a back view of the cutting tooth shown in FIG. 5A; and,

FIG. 5E is a front view of the cutting tooth shown in FIG. 5A.

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, 5 Drawing Sheets**



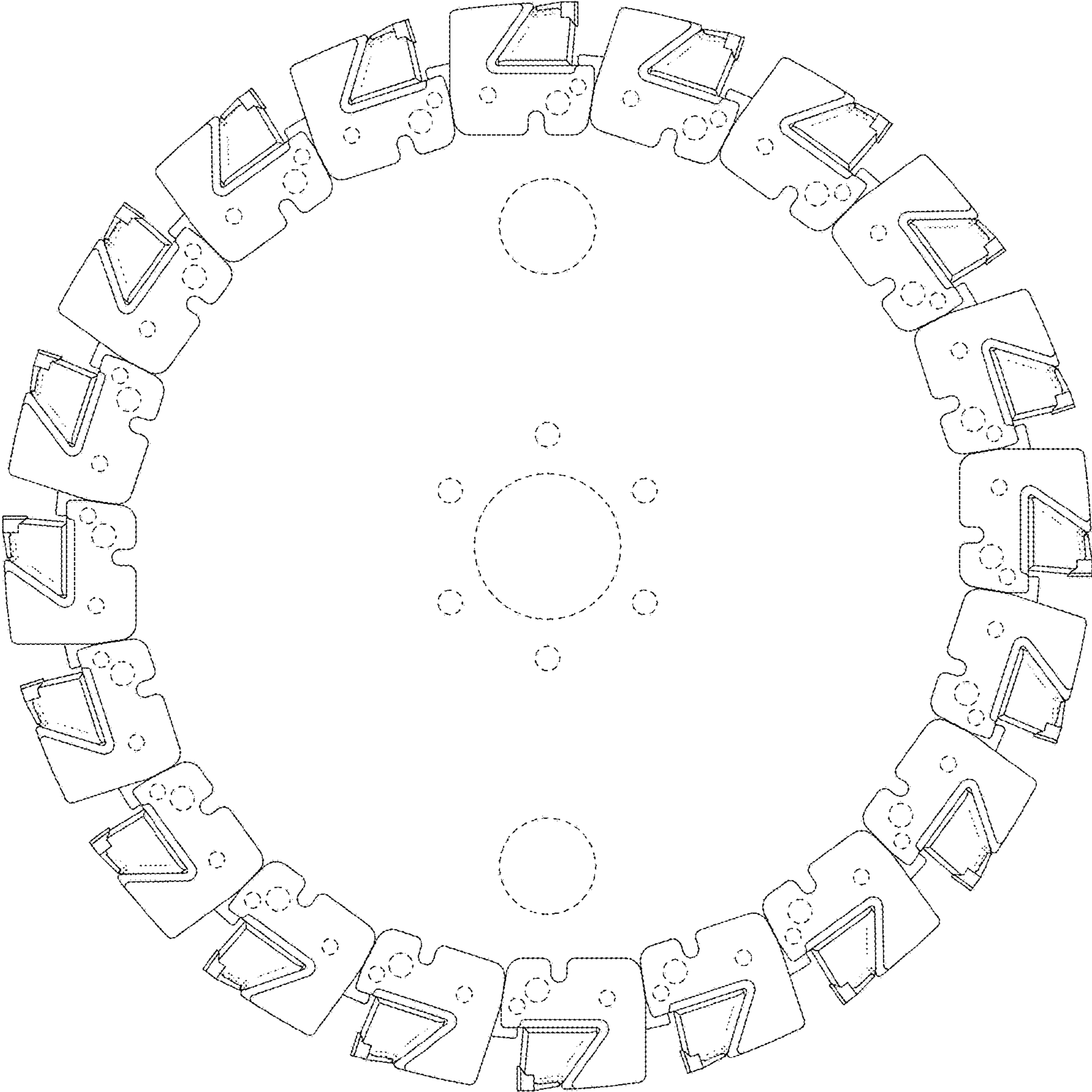


FIG. 1

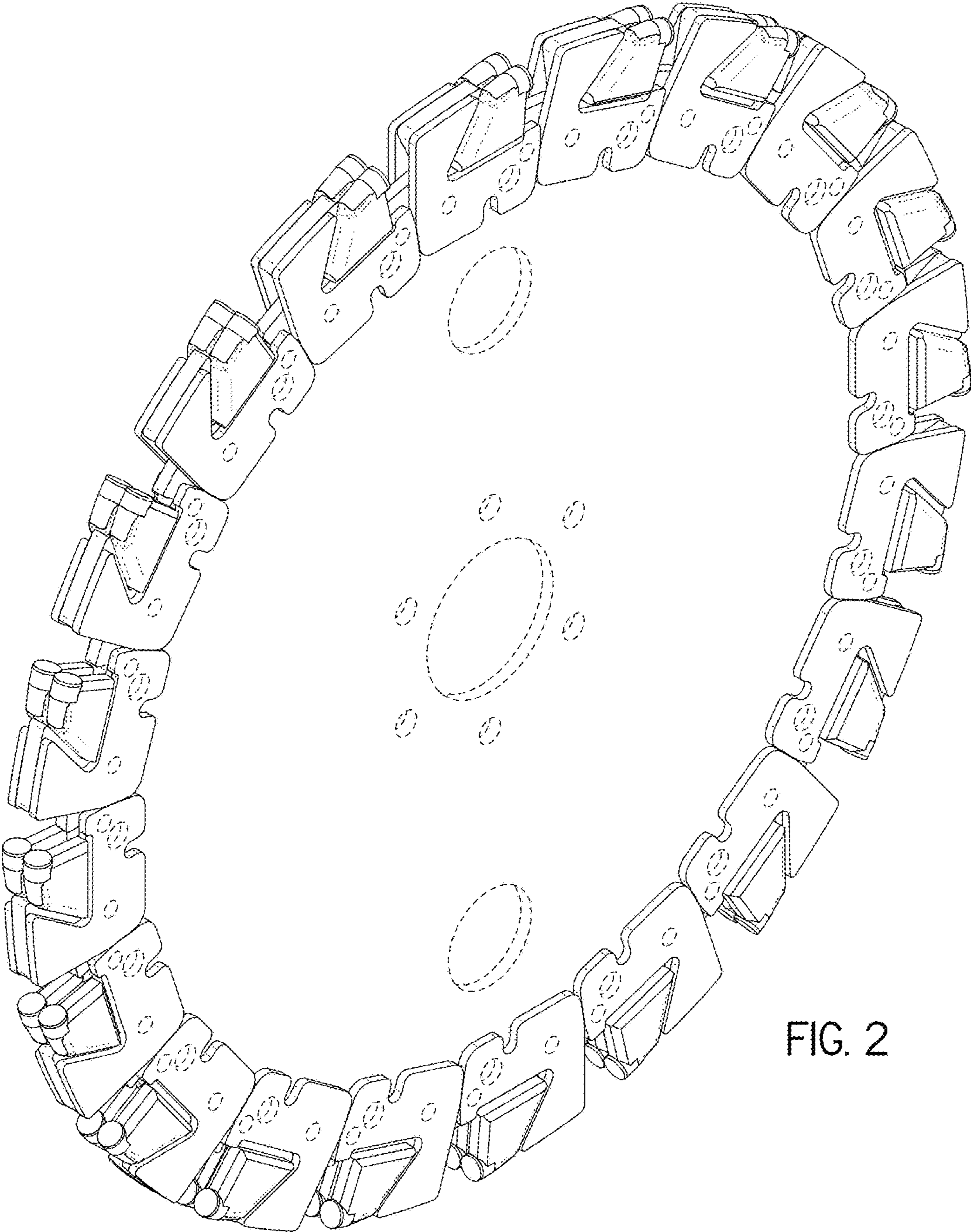


FIG. 2

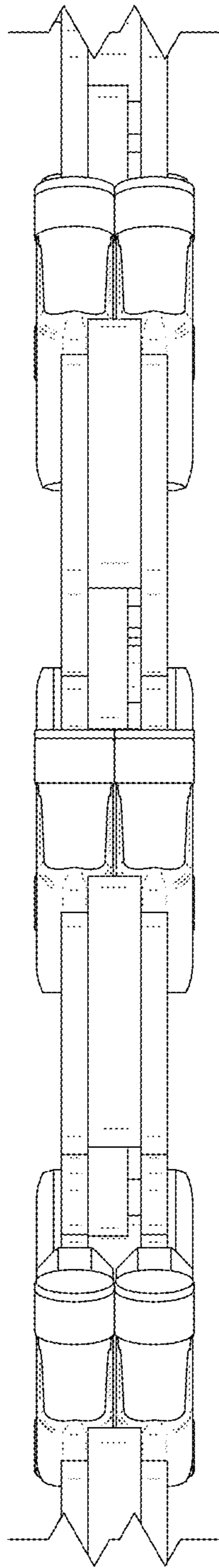


FIG. 3

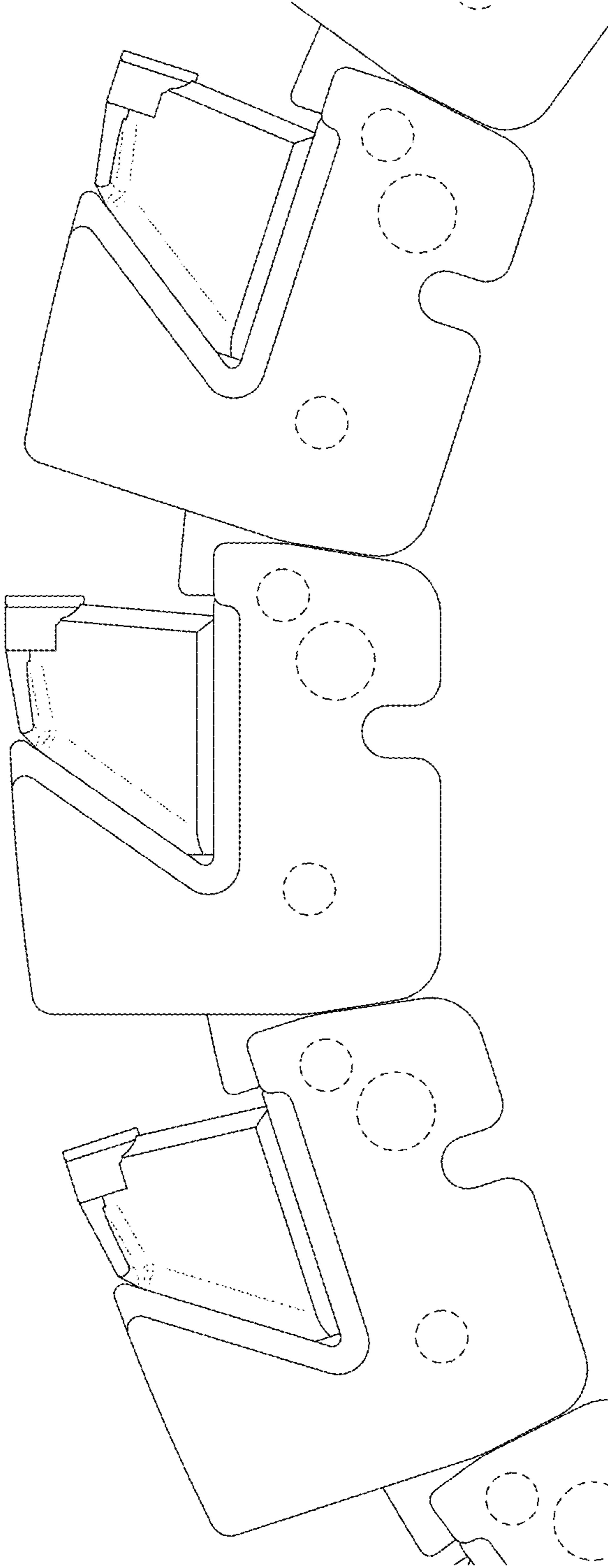


FIG. 4

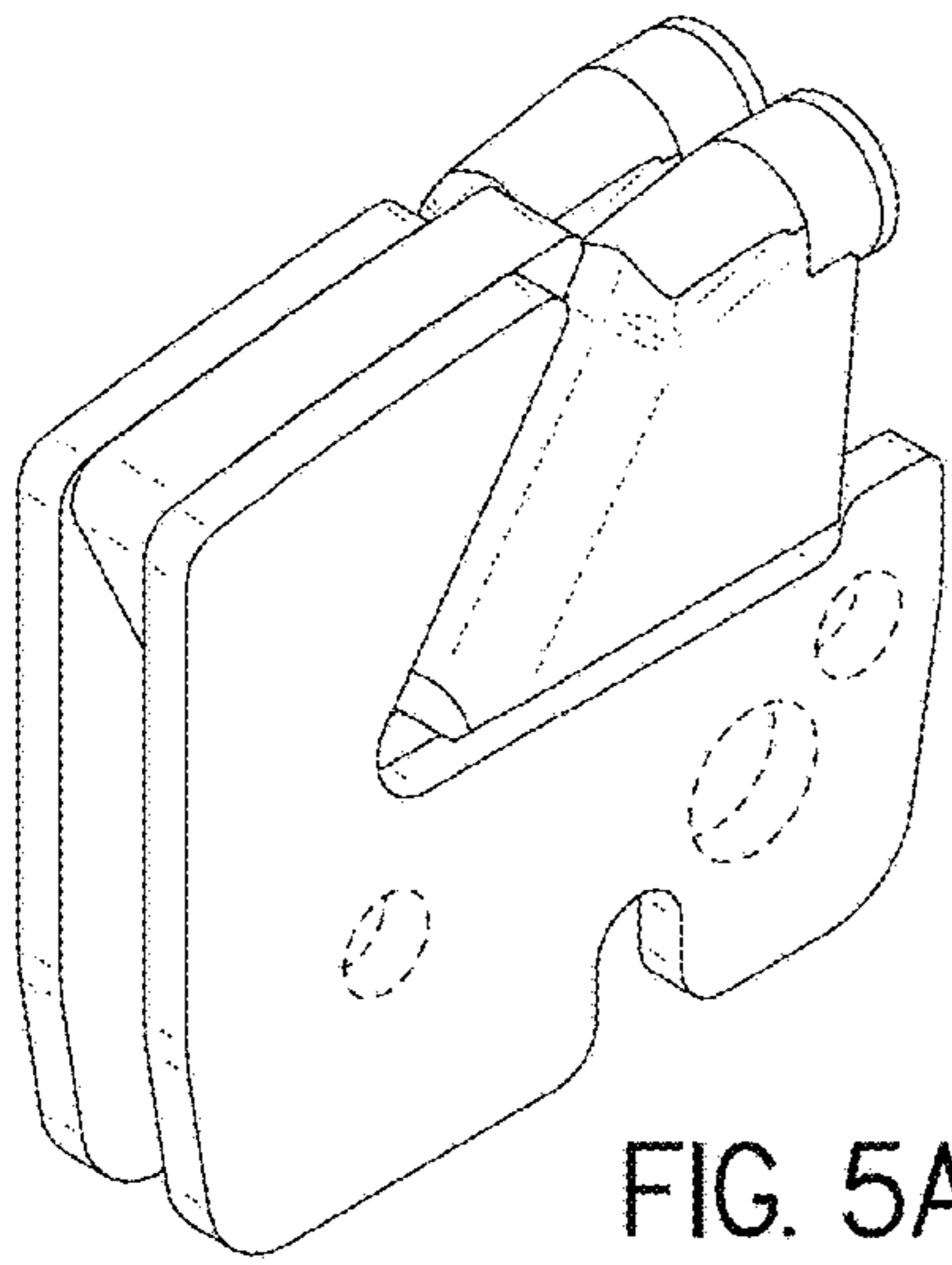


FIG. 5A

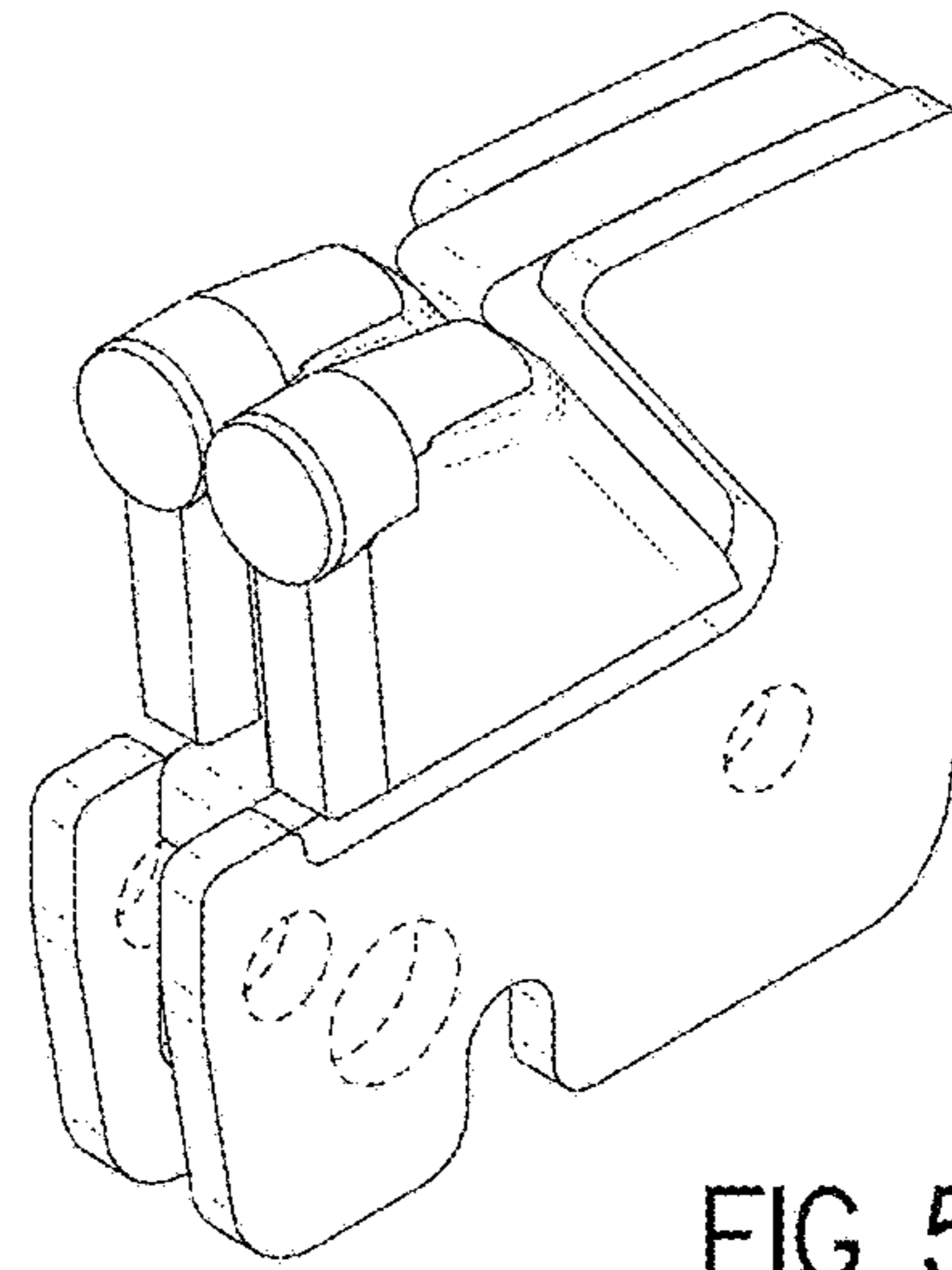


FIG. 5B

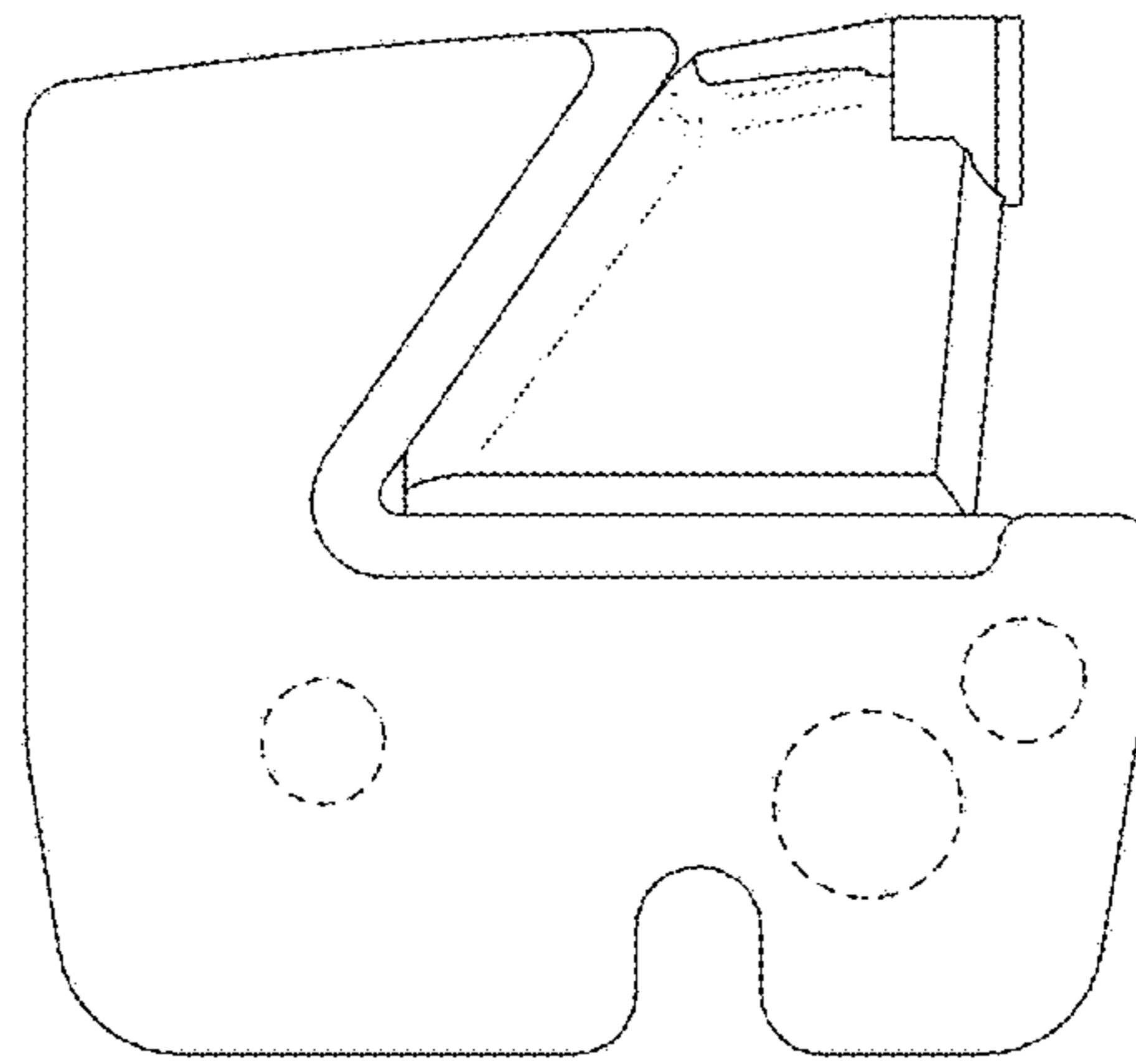


FIG. 5C

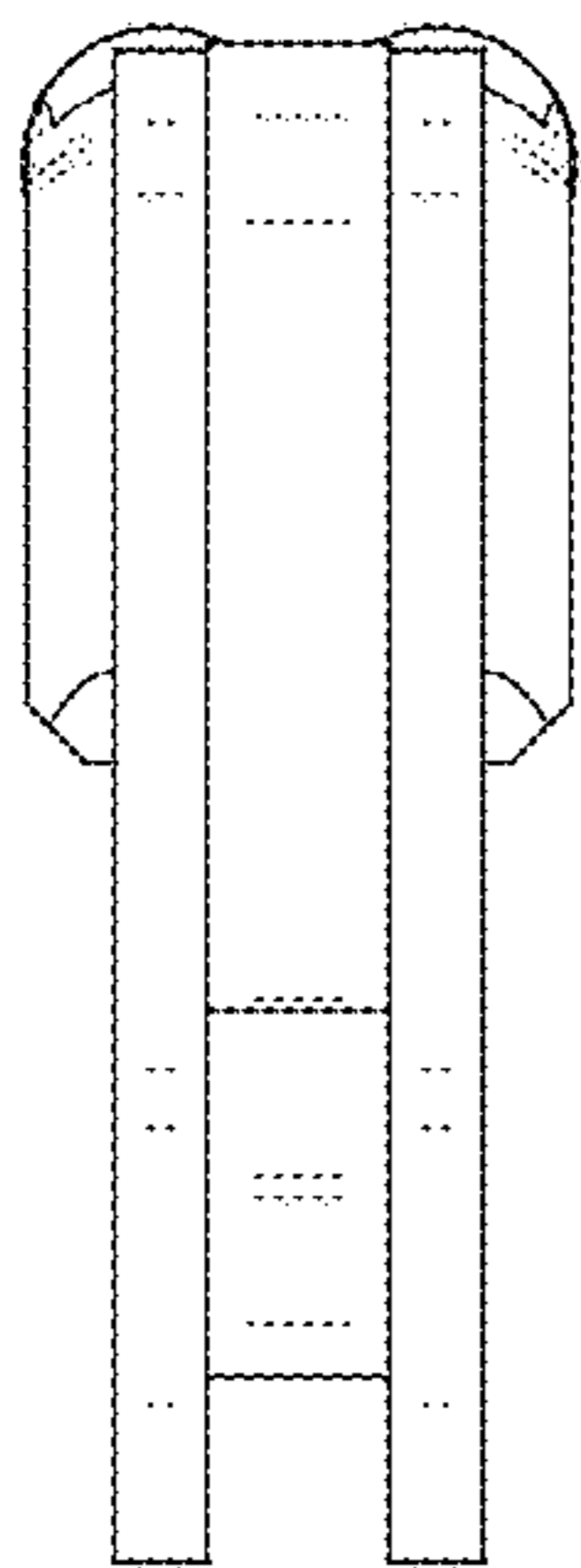


FIG. 5D

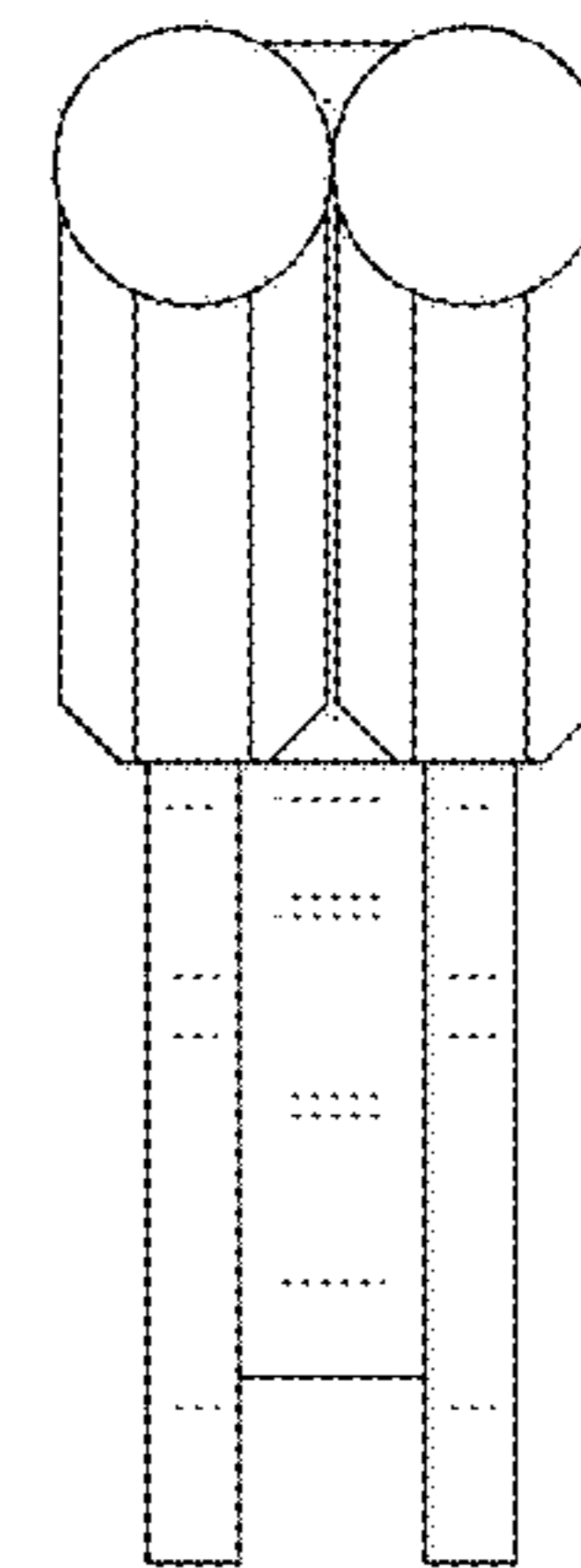


FIG. 5E