



US00D490052S

(12)

United States Design Patent
Zufall et al.

(10)

Patent No.: US D490,052 S

(45)

Date of Patent: ** May 18, 2004

(54) **RECHARGEABLE BATTERY HEAD**

(75) Inventors: **Scott W. Zufall**, Kalamazoo, MI (US);
David E. Hershberger, Kalamazoo, MI (US)

(73) Assignee: **Stryker Corporation**, Kalamazoo, MI (US)

(**) Term: **14 Years**

(21) Appl. No.: **29/155,888**

(22) Filed: **Feb. 19, 2002**

(51) **LOC (7) Cl.** **13-02**

(52) **U.S. Cl.** **D13/103**

(58) **Field of Search** D13/103; 429/96–100,
429/159, 163, 176

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,641,076	A	2/1987	Linden	
4,641,077	A	2/1987	Pascaloff	
D329,092	S	9/1992	Carusillo et al.	
5,187,422	A	2/1993	Izenbaard et al.	
D335,277	S	* 5/1993	Hattori	D13/103
5,207,697	A	5/1993	Carusillo et al.	
D379,795	S	6/1997	Pitzen et al.	
D383,435	S	* 9/1997	Svetlik	D13/103
5,782,821	A	7/1998	Couch	
5,792,573	A	8/1998	Pitzen	
D403,298	S	12/1998	Hall et al.	
5,900,719	A	* 5/1999	Iimura	320/154
D413,564	S	9/1999	Hershberger et al.	
D413,566	S	9/1999	McCombs	
5,977,746	A	11/1999	Hershberger et al.	
D417,648	S	* 12/1999	Clowers et al.	D13/103
6,018,227	A	1/2000	Kumar et al.	
D419,844	S	2/2000	McCombs	
D432,077	S	* 10/2000	Zurwelle et al.	D13/103
6,160,376	A	12/2000	Kumar et al.	
6,168,881	B1	* 1/2001	Fischer et al.	429/97
6,184,655	B1	2/2001	Malackowski	
6,331,761	B1	12/2001	Kumar et al.	

FOREIGN PATENT DOCUMENTS

DE 4406879 * 9/1995
WO WO 98/06144 2/1998

OTHER PUBLICATIONS

Color Copy of Brochure “*Cut the cord, Keep the power, Expanding your Cordless Capabilities, Stryker Instruments*”, Rev. Jul. 1995, (Front and Back Covers, pp. 2 and 6).

* cited by examiner

Primary Examiner—Joel Sincavage

(74) *Attorney, Agent, or Firm*—Flynn, Thiel, Boutell & Tanis, P.C.

(57) **CLAIM**

The ornamental design for a rechargeable battery head, as shown and described.

DESCRIPTION

FIG. 1 is a pictorial view of the rechargeable battery head of this invention;

FIG. 2 is a front view of the rechargeable battery head of FIG. 1;

FIG. 3 is a rear view of the rechargeable battery head of FIG. 1;

FIG. 4 is a left side view of the rechargeable battery head of FIG. 1;

FIG. 5 is a right side view of the rechargeable battery head of FIG. 1;

FIG. 6 is a top view of the rechargeable battery head of FIG. 1;

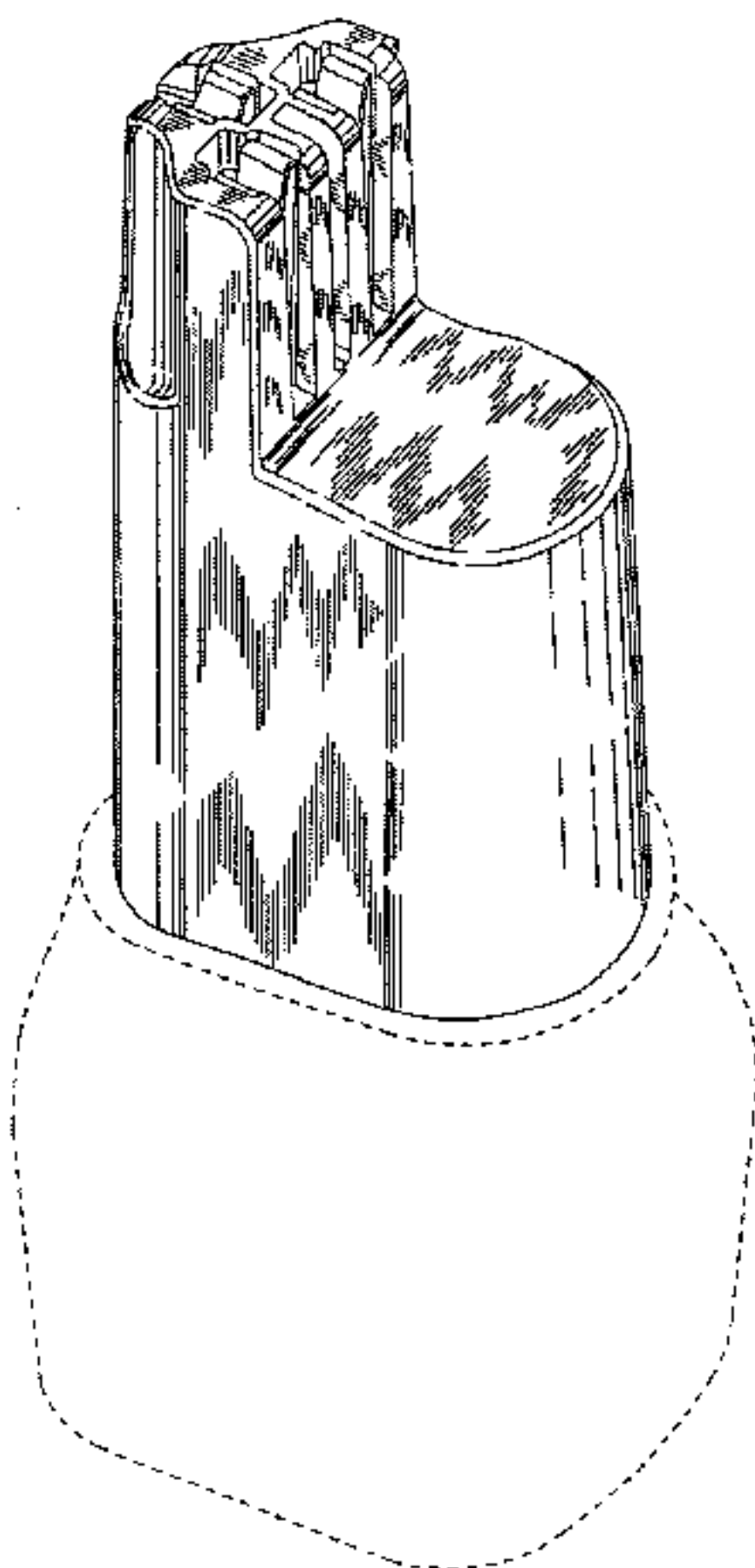
FIG. 7 is a bottom view of the rechargeable battery head of FIG. 1; and,

FIG. 8 is an enlarged fragment of FIG. 1.

The broken lines above the base in FIGS. 2, 3, 5 and 6 are included for the purpose of illustrating a portion of the battery that forms no part of the claimed design.

The broken line showings of the battery base are solely for the purpose of illustrating environmental structure, and form no part of the inventive design.

1 Claim, 7 Drawing Sheets



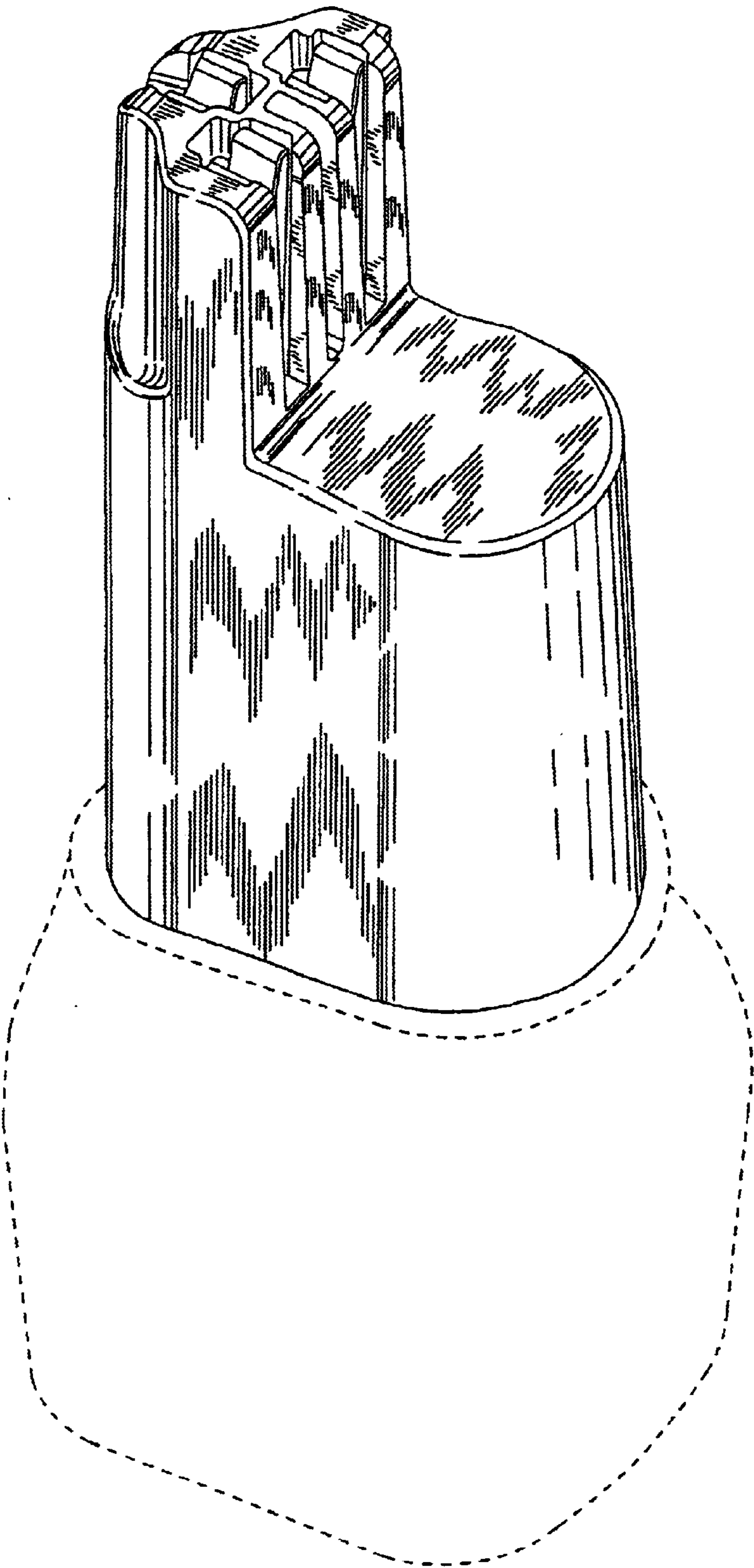


FIG. 1

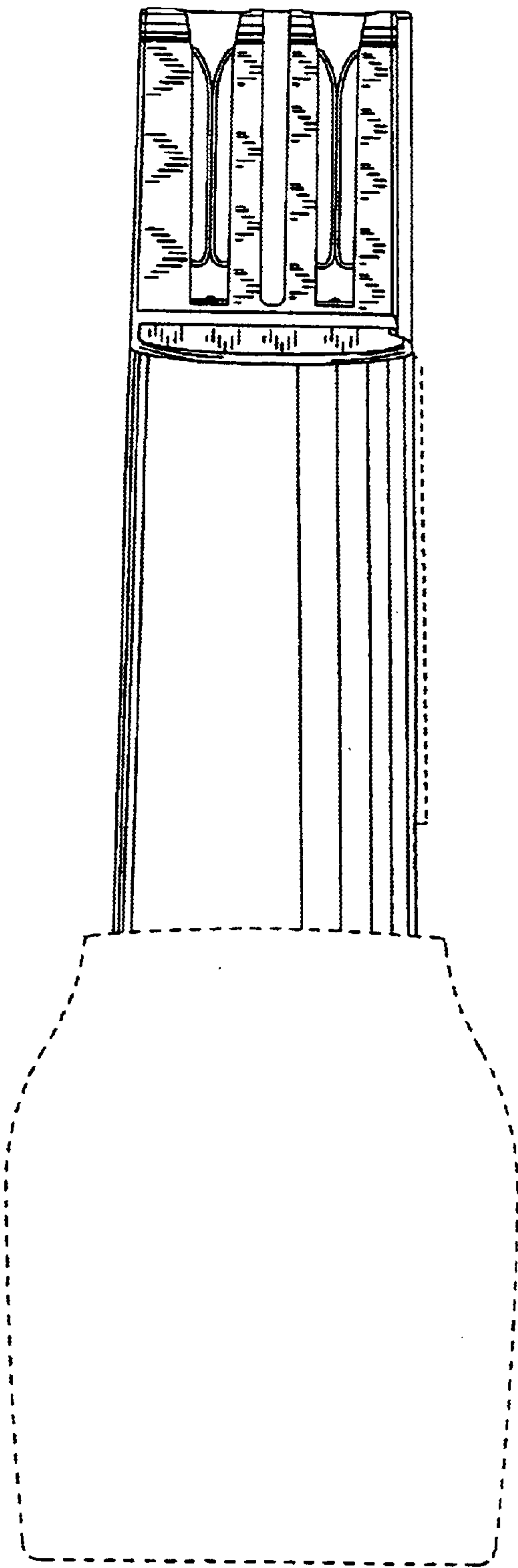


FIG. 2

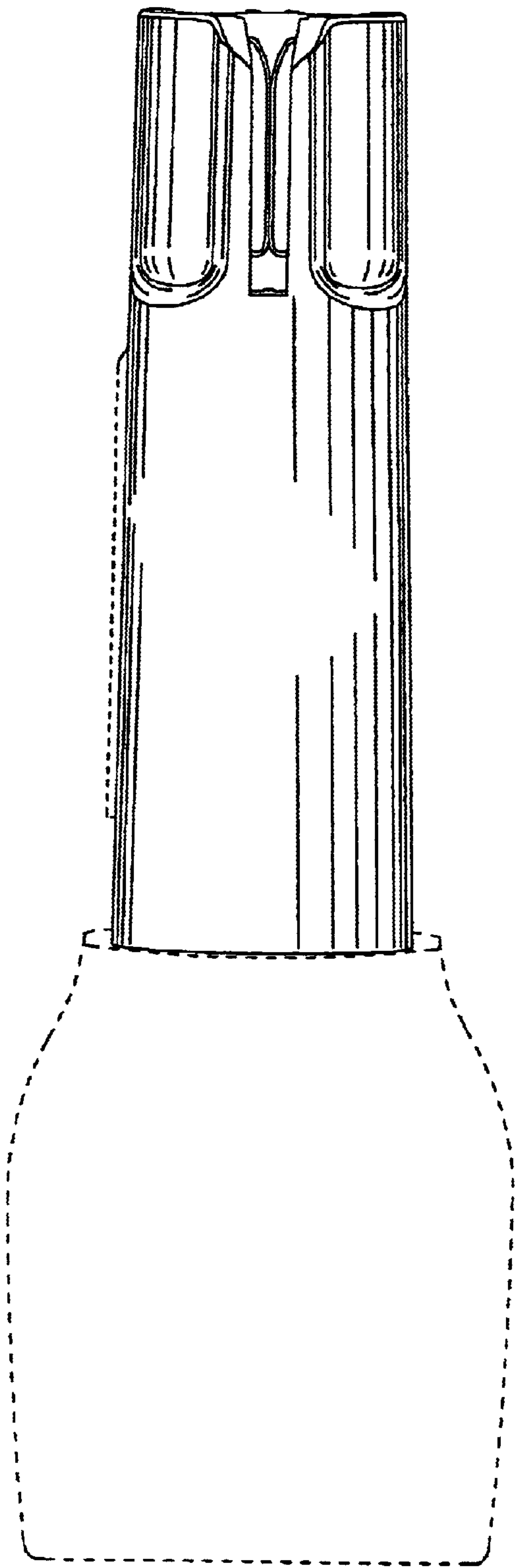


FIG. 3

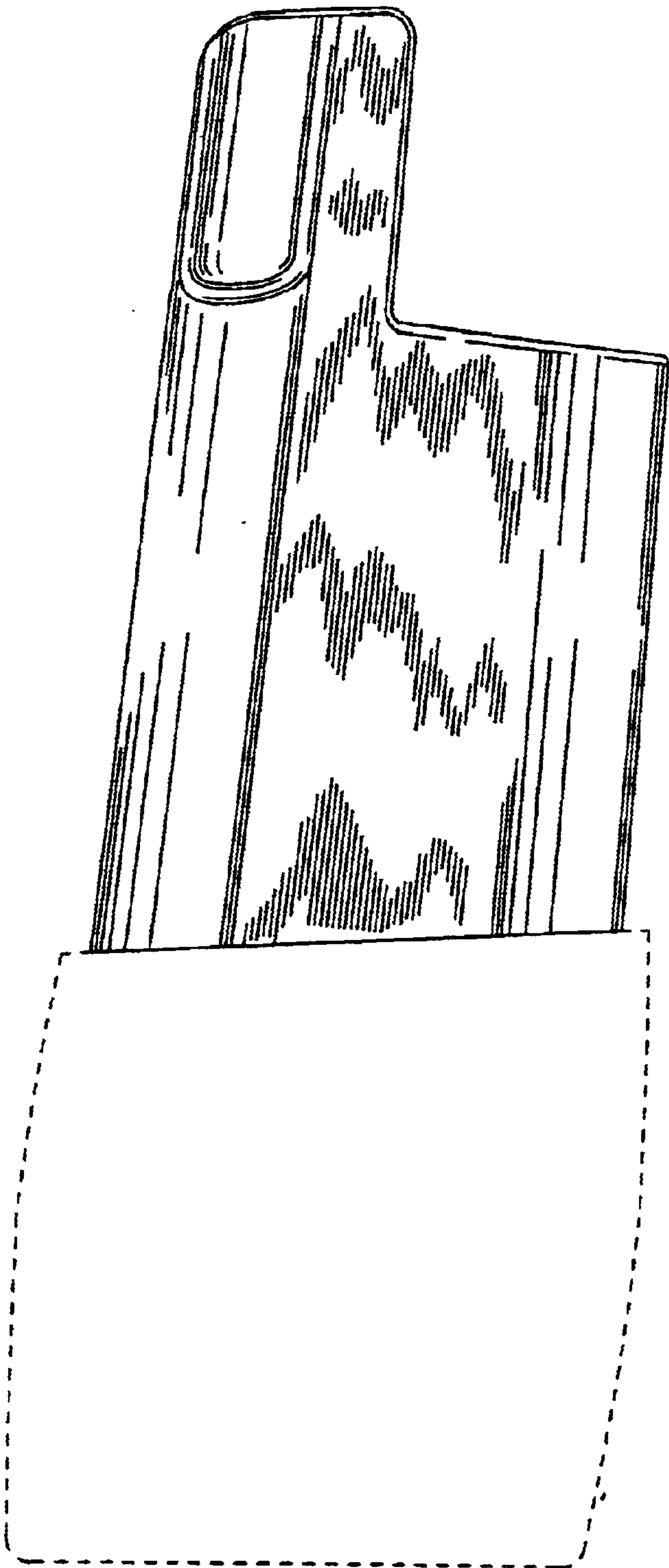


FIG. 4

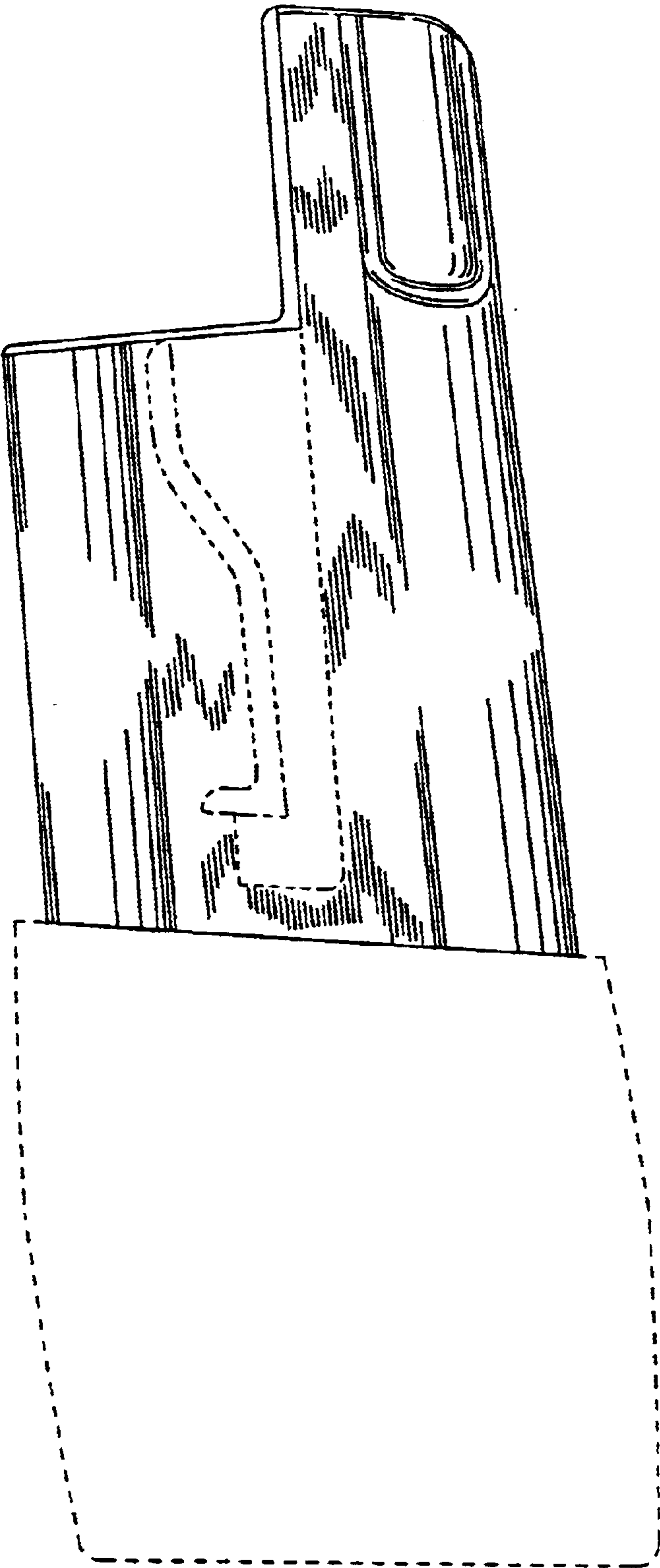


FIG. 5

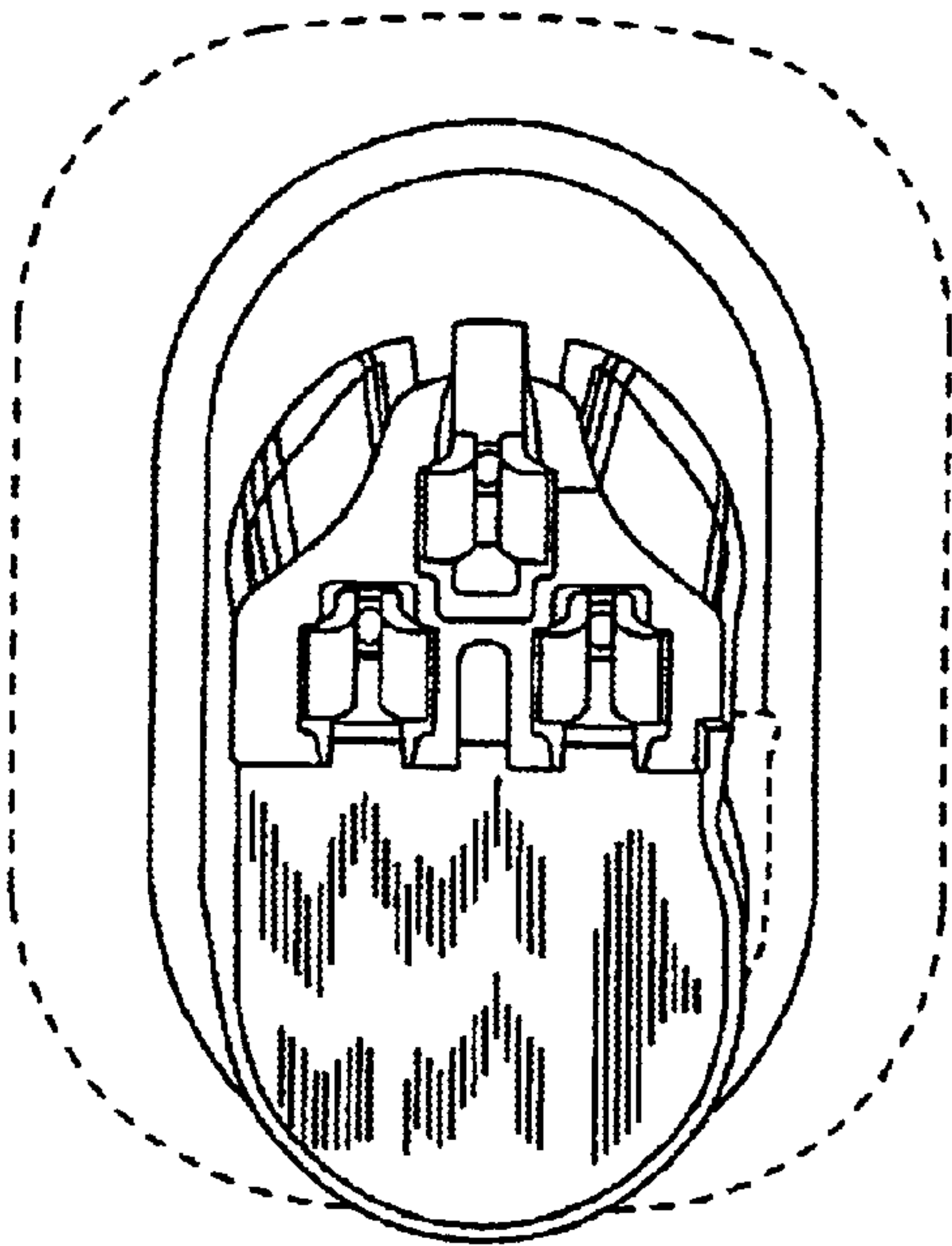


FIG. 6

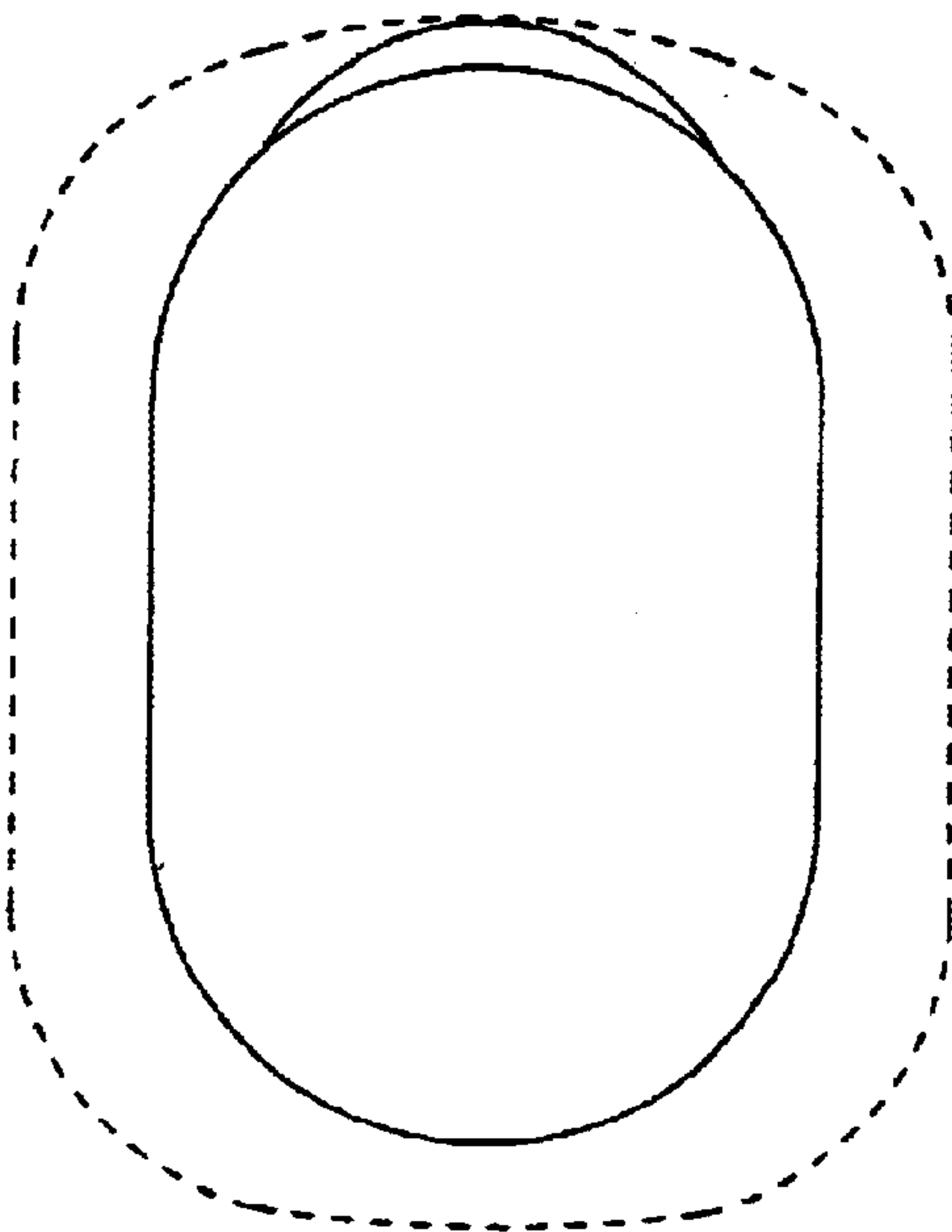


FIG. 7

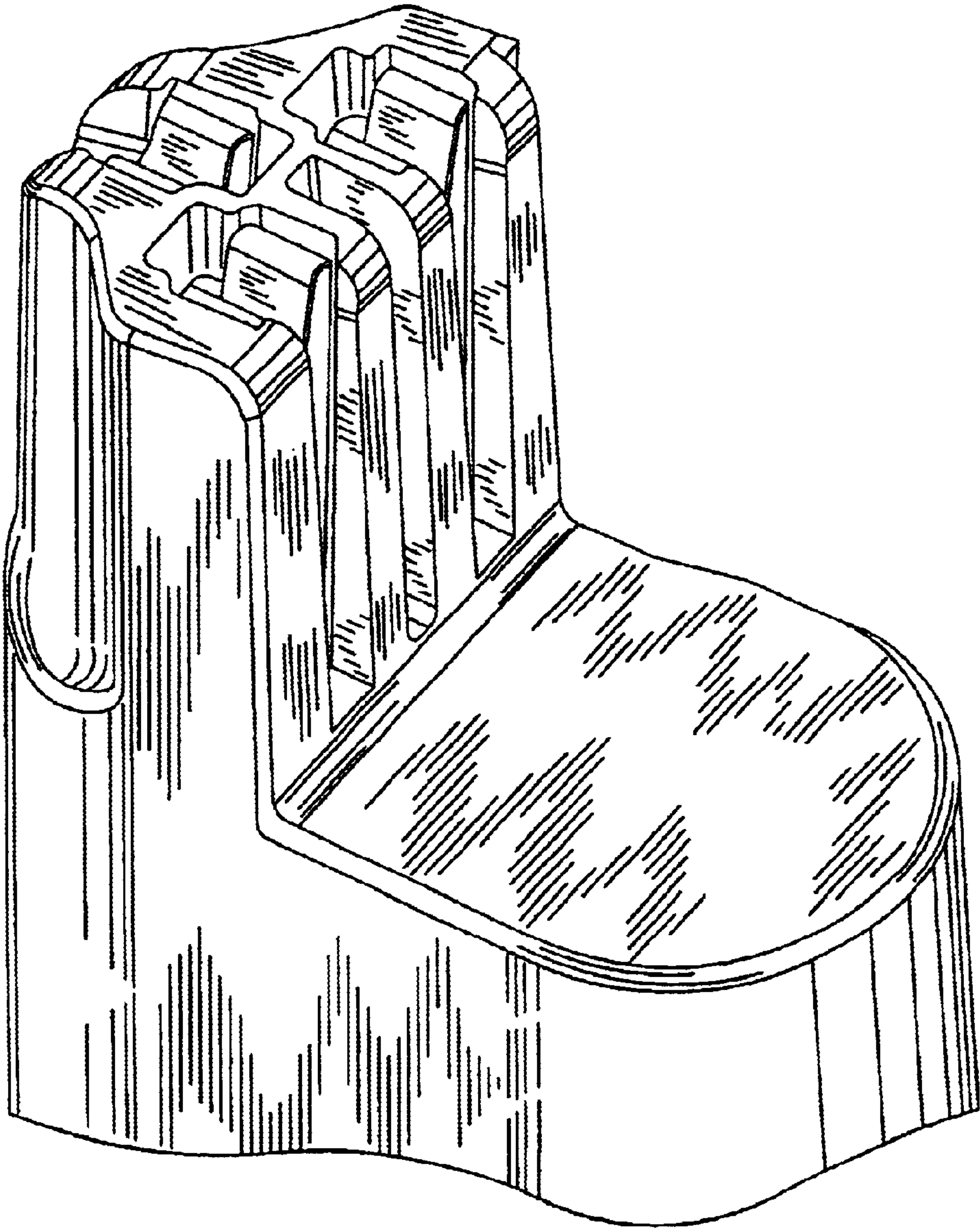


FIG. 8