



US00D452252B1

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

(10) **Patent No.:** **US D452,252 S**

(45) **Date of Patent:** **\*\* \*Dec. 18, 2001**

(54) **PISTON FOR REFRIGERANT COMPRESSOR**

(75) Inventors: **Kiyoshi Miyazawa**, Annaka; **Mitsuhiro Takashima**, Nitta-gun, both of (JP)

(73) Assignee: **Sanden Corporation**, Gunma (JP)

(\* ) Notice: This patent is subject to a terminal disclaimer.

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

(21) Appl. No.: **29/125,169**

(22) Filed: **Jun. 20, 2000**

(30) **Foreign Application Priority Data**

Dec. 20, 1999 (JP) ..... 11-35057

(51) **LOC (7) Cl.** ..... **15-02**

(52) **U.S. Cl.** ..... **D15/9**

(58) **Field of Search** ..... D15/5-9; 417/545,  
417/222.1, 269, 266, 273; 91/505; 92/71,  
122, 165 R; 74/60

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D. 402,295	*	12/1998	Kayukawa et al.	.....	D15/9
D. 417,225	*	11/1999	Kimura et al.	.....	D15/5
D. 417,876	*	12/1999	Kayukawa et al.	.....	D15/9
D. 427,611	*	7/2000	Yokota et al.	.....	D15/9
D. 428,423	*	7/2000	Takamatsu et al.	.....	D15/9
D. 435,563	*	12/2000	Murao et al.	.....	D15/9
5,461,976	*	10/1995	Forehand	.....	101/31.1
5,490,767	*	2/1996	Kanou et al.	.....	417/222.1

\* cited by examiner

*Primary Examiner*—Ralf Seifert

(74) *Attorney, Agent, or Firm*—Baker Botts L.L.P.

(57) **CLAIM**

The ornamental design for a piston for refrigerant compressor, as shown and described above.

**DESCRIPTION**

FIG. 1 is a left side view of a piston for a refrigerant compressor, according to the design. The right side view is a mirror image of the left side view.

FIG. 2 is a front view of the piston for a refrigerant compressor, as shown in FIG. 1.

FIG. 3 is a top view of the piston for a refrigerant compressor, as shown in FIG. 1.

FIG. 4 is a bottom view of the piston for a refrigerant compressor, as shown in FIG. 1.

FIG. 5 is a rear view of the piston for a refrigerant compressor, as shown in FIG. 1.

FIG. 6 is a cross-sectional view of the refrigerant compressor along line 6—6 of FIG. 1, showing the shape of the design.

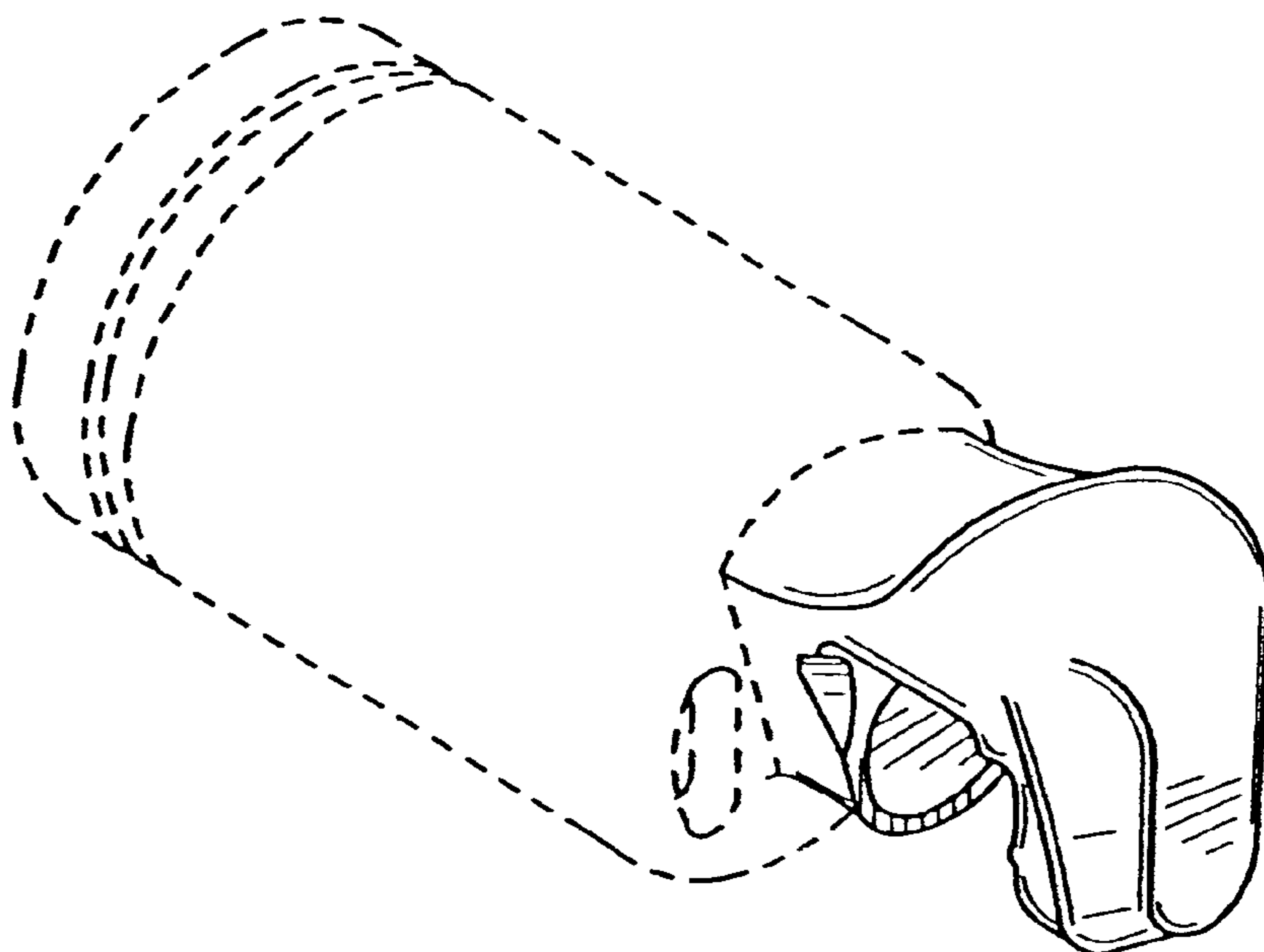
FIG. 7 is a cross-sectional view of the refrigerant compressor along line 7—7 of FIG. 1, showing the shape of the design.

FIG. 8 is a cross-sectional view of the refrigerant compressor along line 8—8 of FIG. 1, showing the shape of the design; and,

FIG. 9 is a rear perspective view of the piston for a refrigerant compressor of FIG. 1.

The broken line portions of FIGS. 1-9 are for illustrative purposes only and form no part of the claimed design.

**1 Claim, 3 Drawing Sheets**



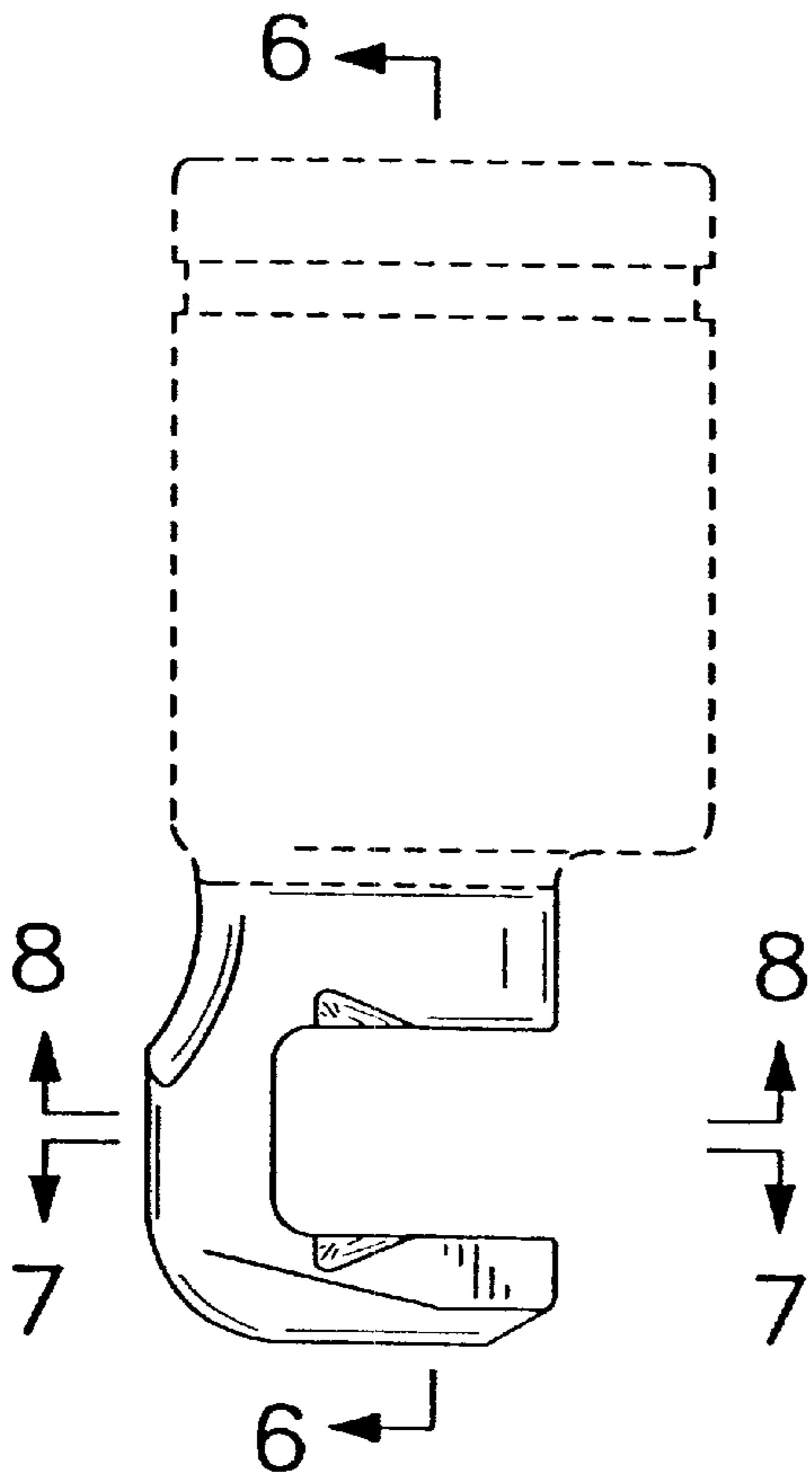


FIG. 1

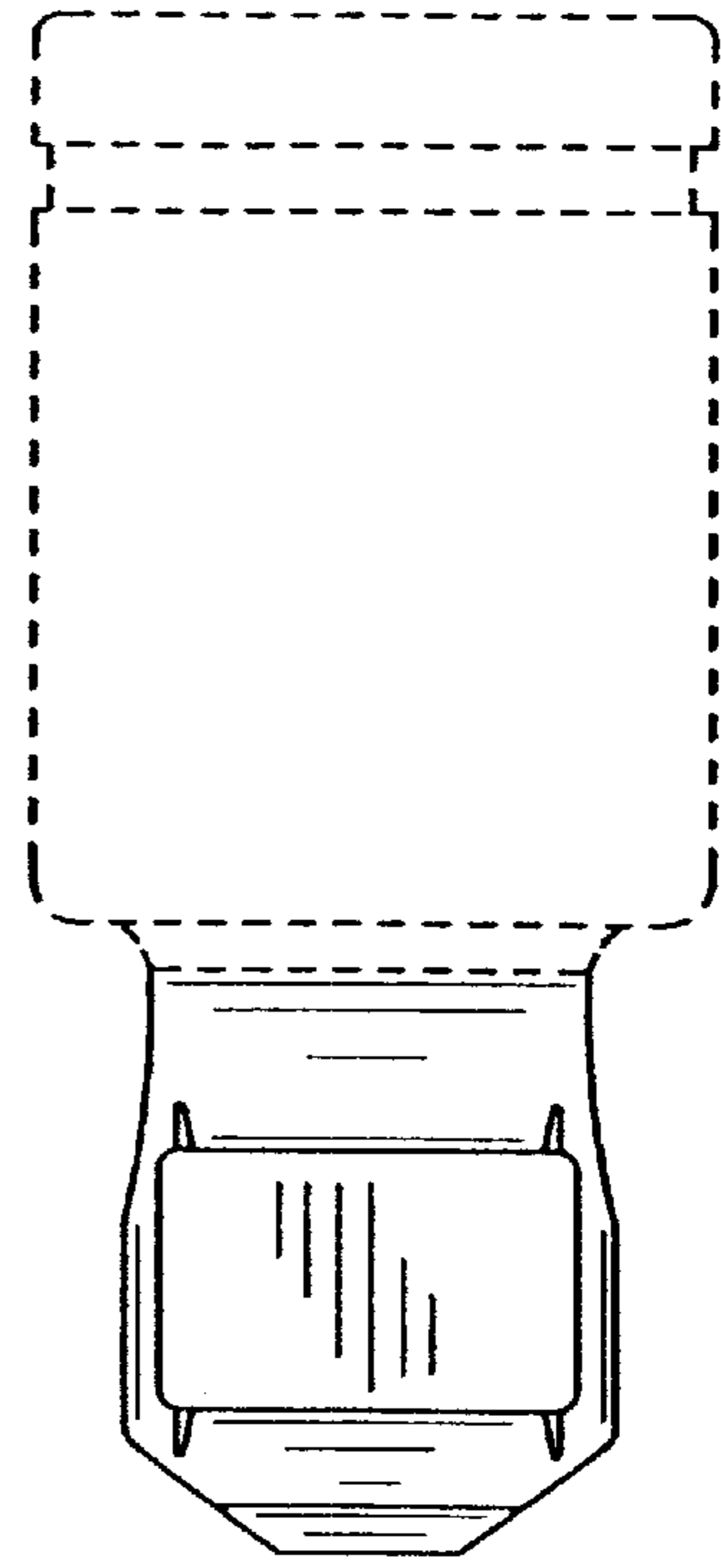


FIG. 2

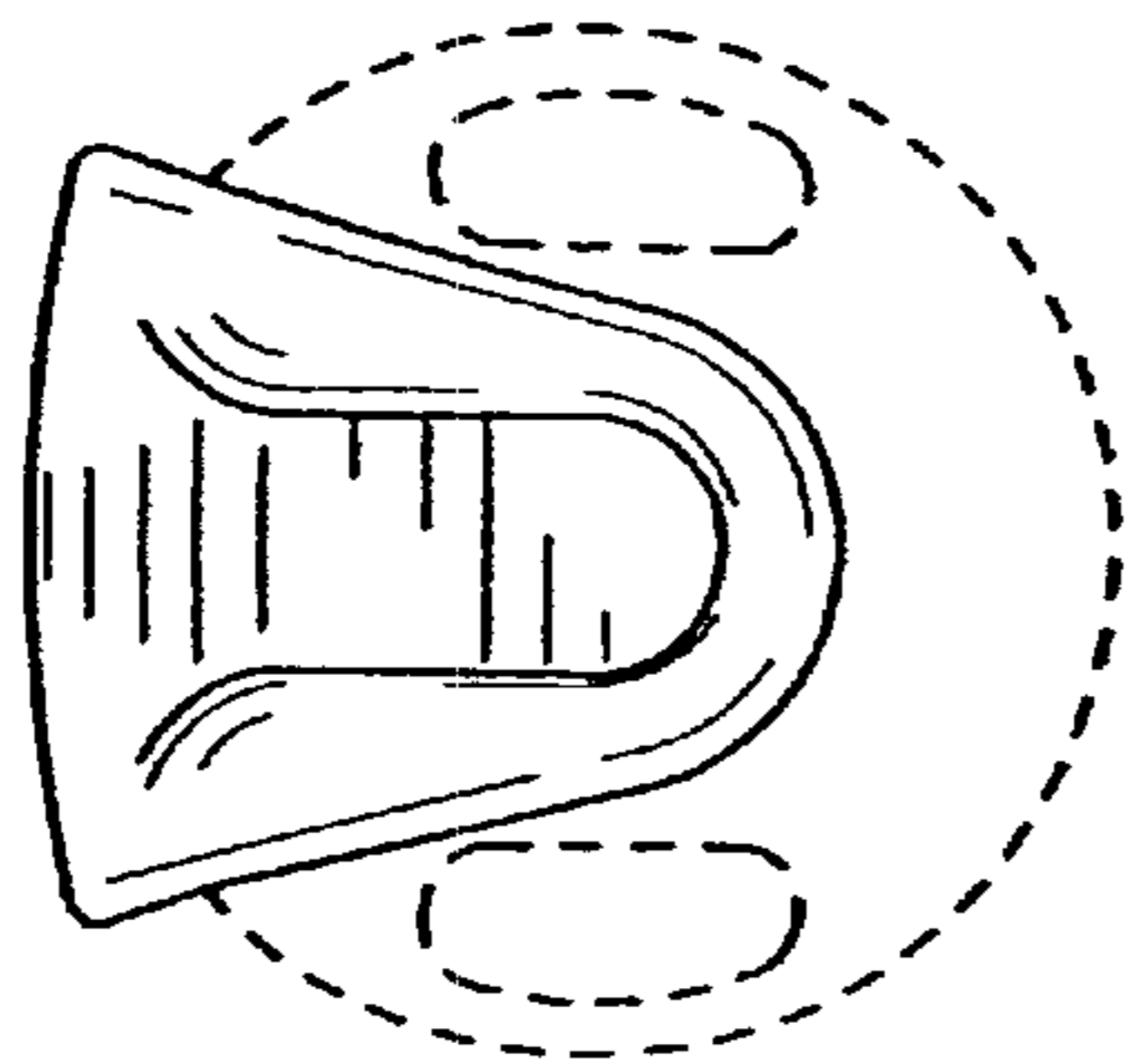


FIG. 3

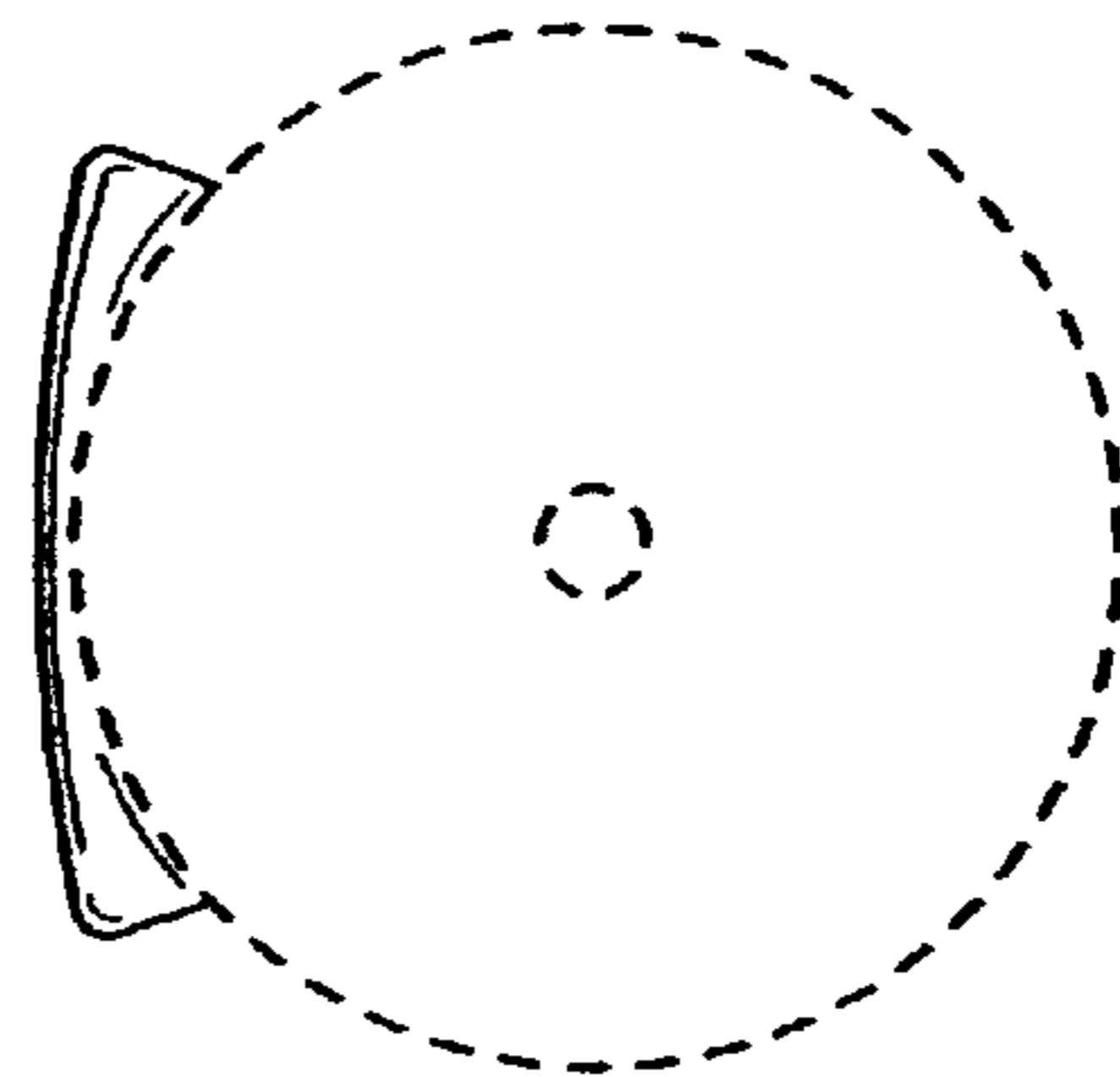


FIG. 4

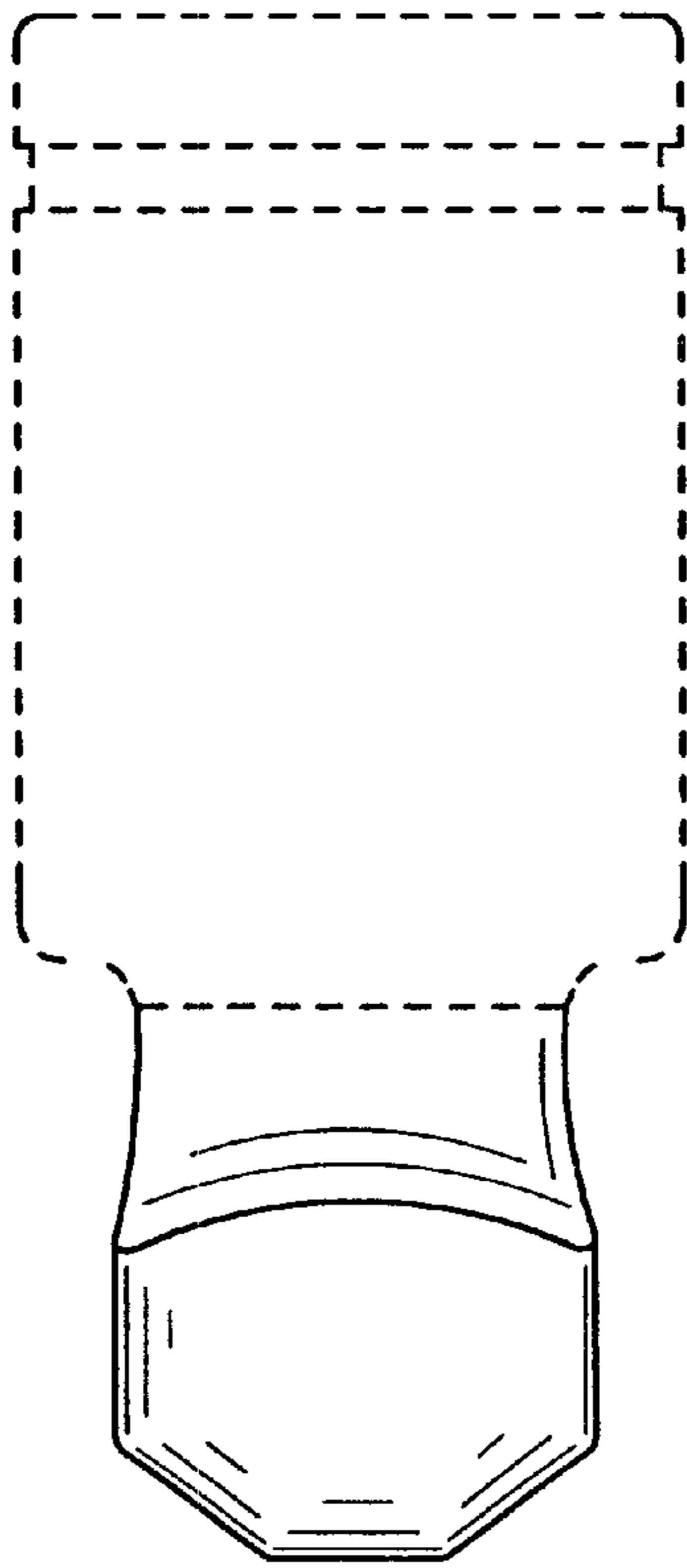


FIG. 5

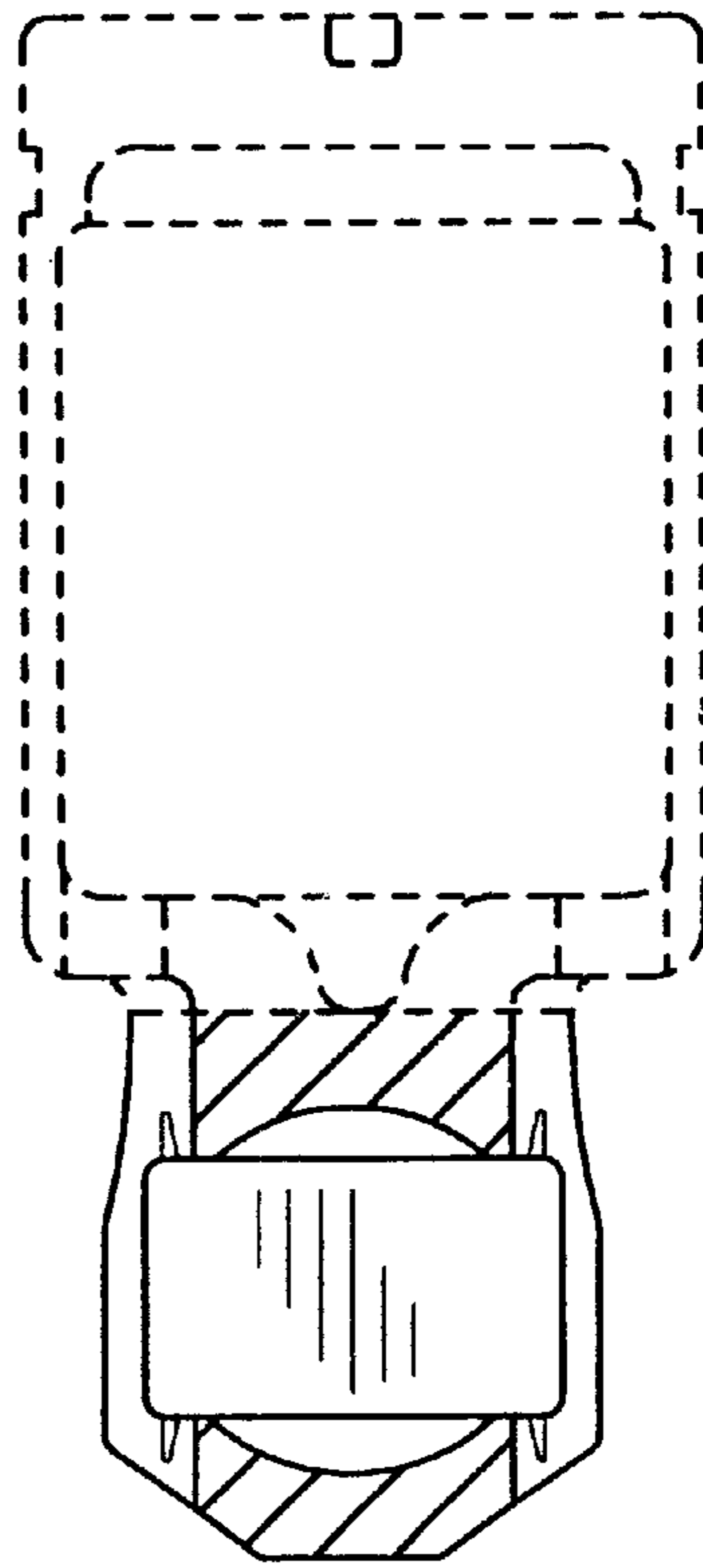


FIG. 6

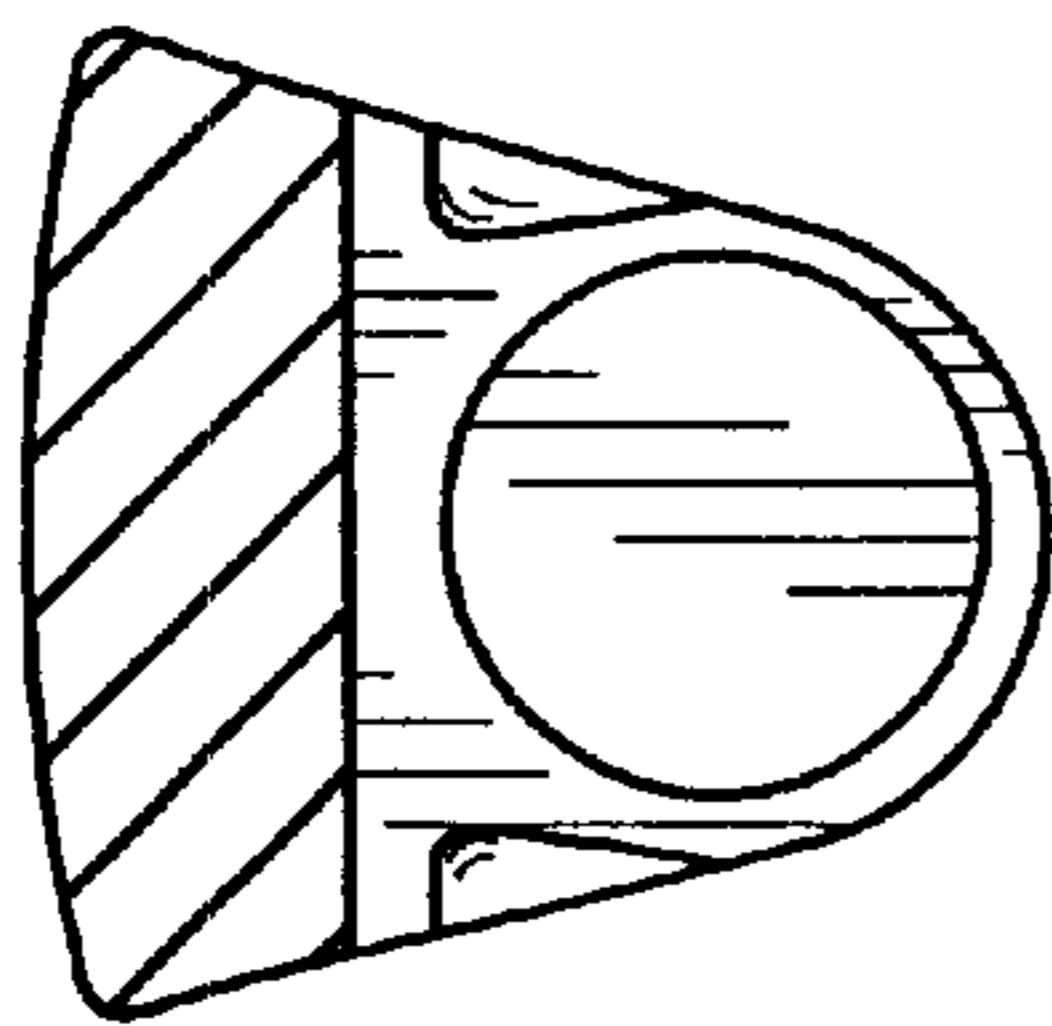


FIG. 7

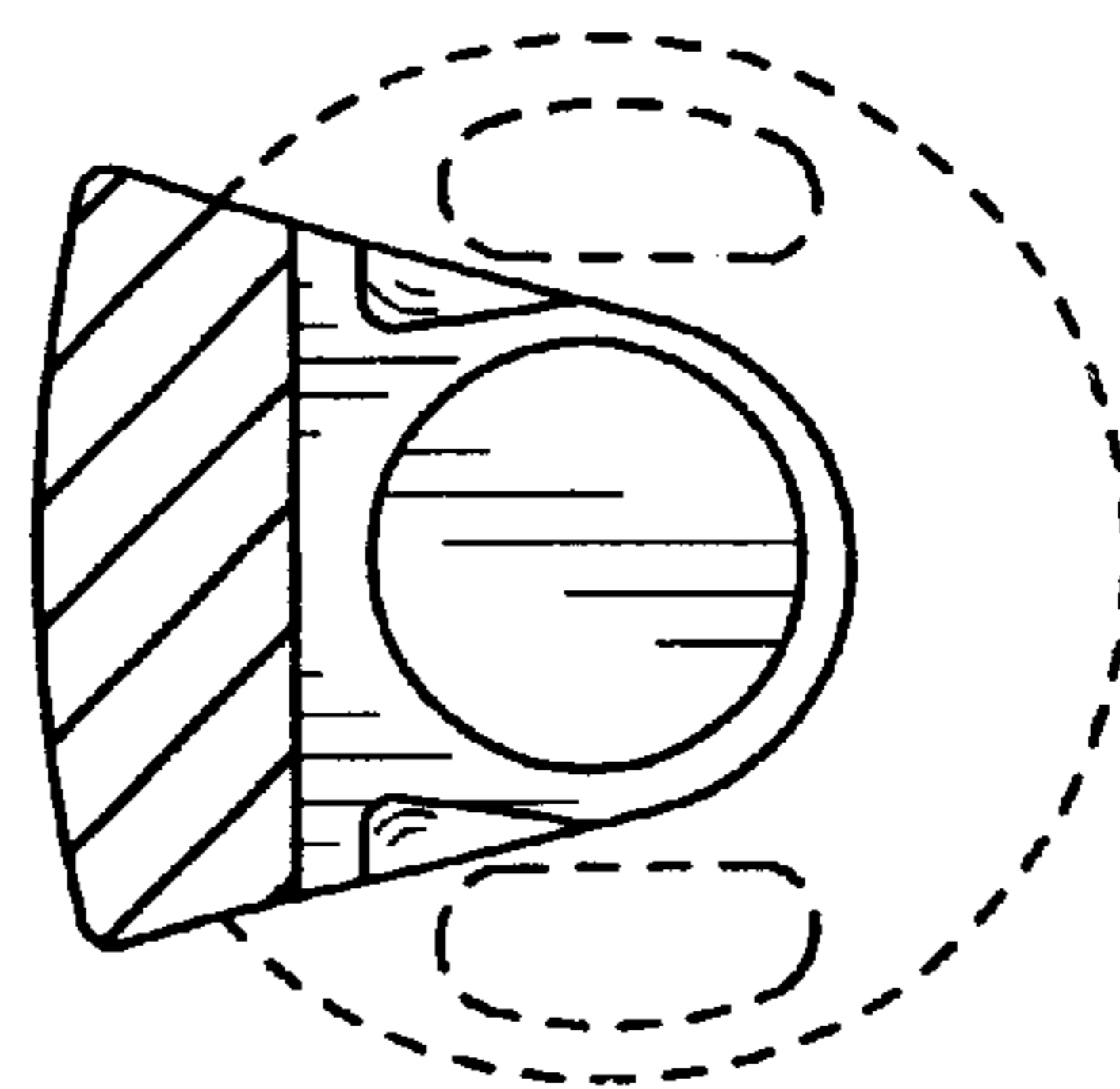


FIG. 8

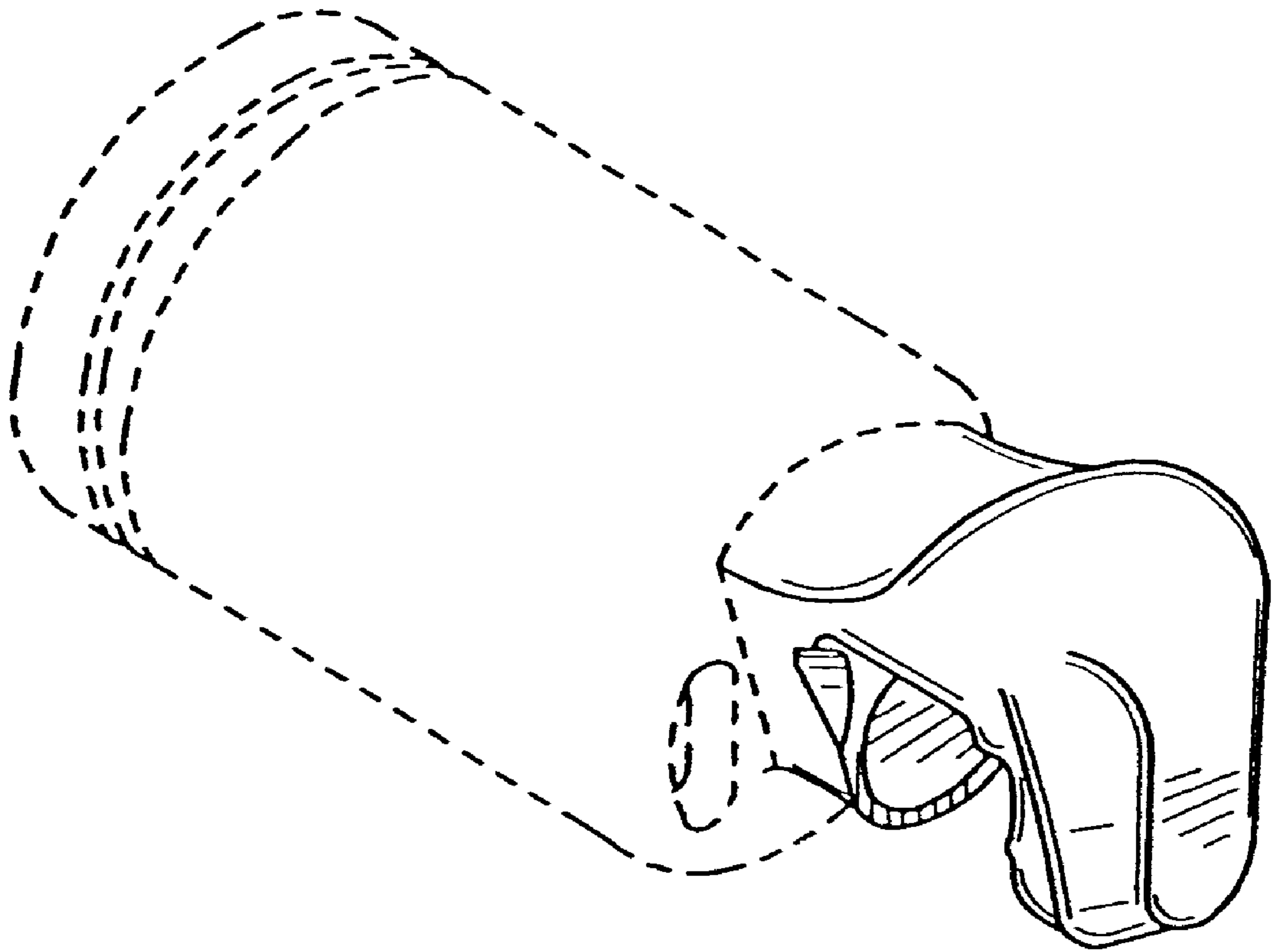


FIG. 9