



US00D581045S

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

(10) **Patent No.:** **US D581,045 S**
(45) **Date of Patent:** **** Nov. 18, 2008**

(54) **SYRINGE FLANGE**

(75) Inventors: **Masamichi Sudo**, Tokyo (JP); **Hideaki Kawamura**, Tokyo (JP)

(73) Assignee: **Daikyo Seiko, Ltd.**, Tokyo (JP)

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

(21) Appl. No.: **29/274,981**

(22) Filed: **Jun. 14, 2007**

(30) **Foreign Application Priority Data**

Dec. 15, 2006 (JP) 2006-034419

(51) **LOC (8) Cl.** **24-02**

(52) **U.S. Cl.** **D24/130**

(58) **Field of Classification Search** D24/112,
D24/114, 130; 604/195, 181, 110, 130, 87,
604/227, 232, 228, 191, 220, 222, 224, 218
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,027,669 A * 6/1977 Johnston et al. 604/110
5,017,187 A * 5/1991 Sullivan 604/110
5,338,309 A * 8/1994 Imbert 604/187
5,383,857 A * 1/1995 Levitov 604/110
5,645,535 A * 7/1997 Goldberg 604/195
6,458,101 B1 * 10/2002 Hu 604/110
6,562,003 B2 * 5/2003 Koch et al. 604/110
2002/0198490 A1 * 12/2002 Wirt et al. 604/82
2005/0228344 A1 * 10/2005 Fitzgerald 604/110
2005/0228345 A1 * 10/2005 Yang et al. 604/110
2006/0069353 A2 * 3/2006 Barrelle et al. 604/198
2006/0084913 A1 * 4/2006 Lo 604/110

2007/0060885 A1 * 3/2007 Wu 604/110
2007/0232998 A1 * 10/2007 Yang et al. 604/110
2007/0265566 A1 * 11/2007 Simpson et al. 604/110

* cited by examiner

Primary Examiner—Louis S Zarfes

(74) *Attorney, Agent, or Firm*—Edwards Angell Palmer & Dodge LLP

(57) **CLAIM**

The ornamental design for a syringe flange, as shown and described.

DESCRIPTION

This application is related to a co-pending U.S. Design patent application Ser. No. 29/274,975 entitled “Syringe Flange” and a co-pending U.S. patent application Ser. No. 11/808,992 entitled “Syringe Barrel and Syringe” and both filed on Jun. 14, 2007 in both names of Masamichi Sudo and Hideaki Kawamura; which applications are assigned to the assignee of the present application and are incorporated by reference herein.

FIG. 1 is a perspective view from above of the syringe flange;

FIG. 2 is a front/back view thereof;

FIG. 3 is a left/right side view thereof;

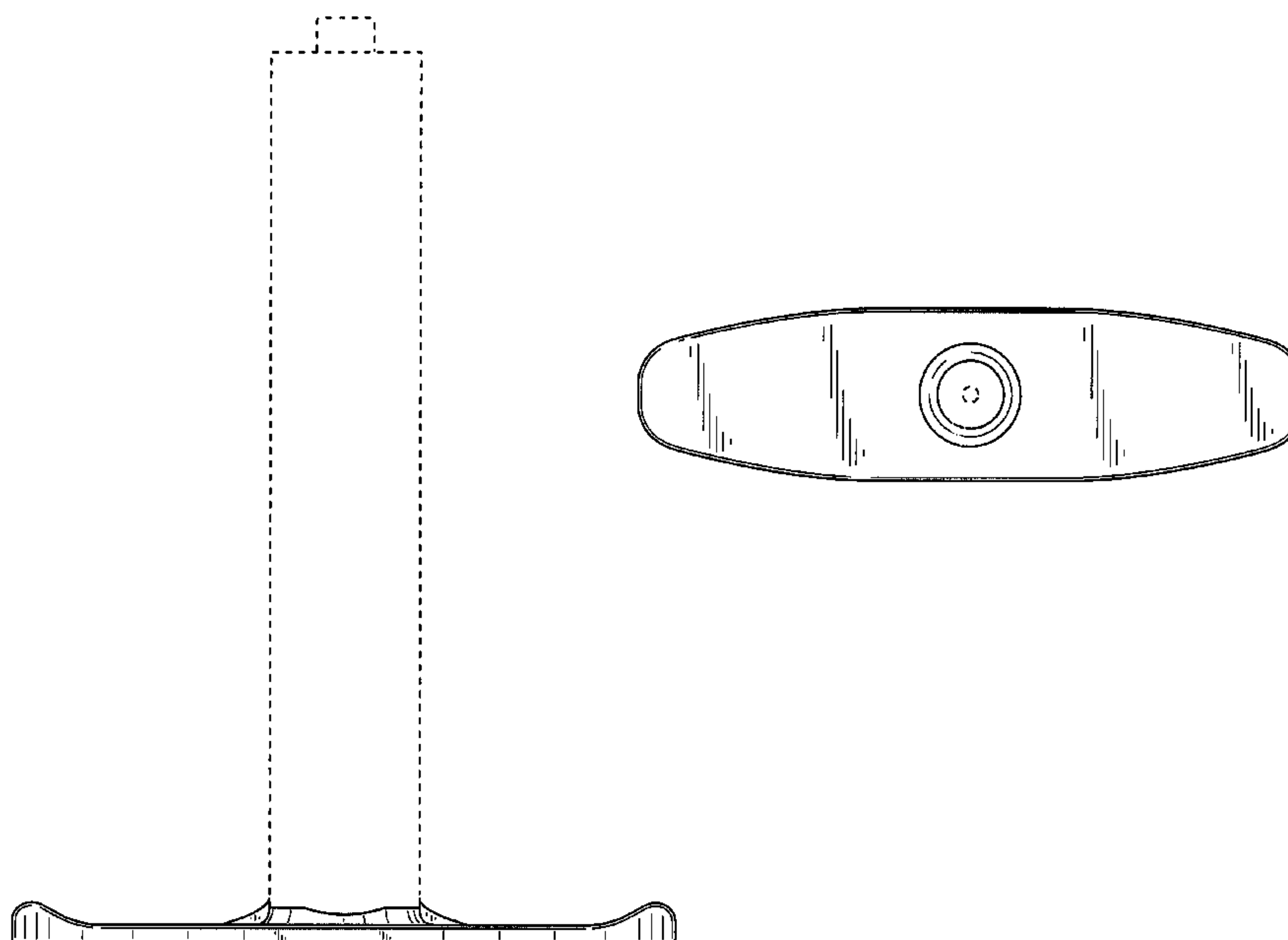
FIG. 4 is a top down view thereof;

FIG. 5 is a bottom view thereof; and,

FIG. 6 is a cross-sectional view along the line 6—6 in FIG. 4.

The broken line showing of the syringe barrel is included for the purpose of illustrating portions of the article and forms no part of the claimed design.

1 Claim, 5 Drawing Sheets



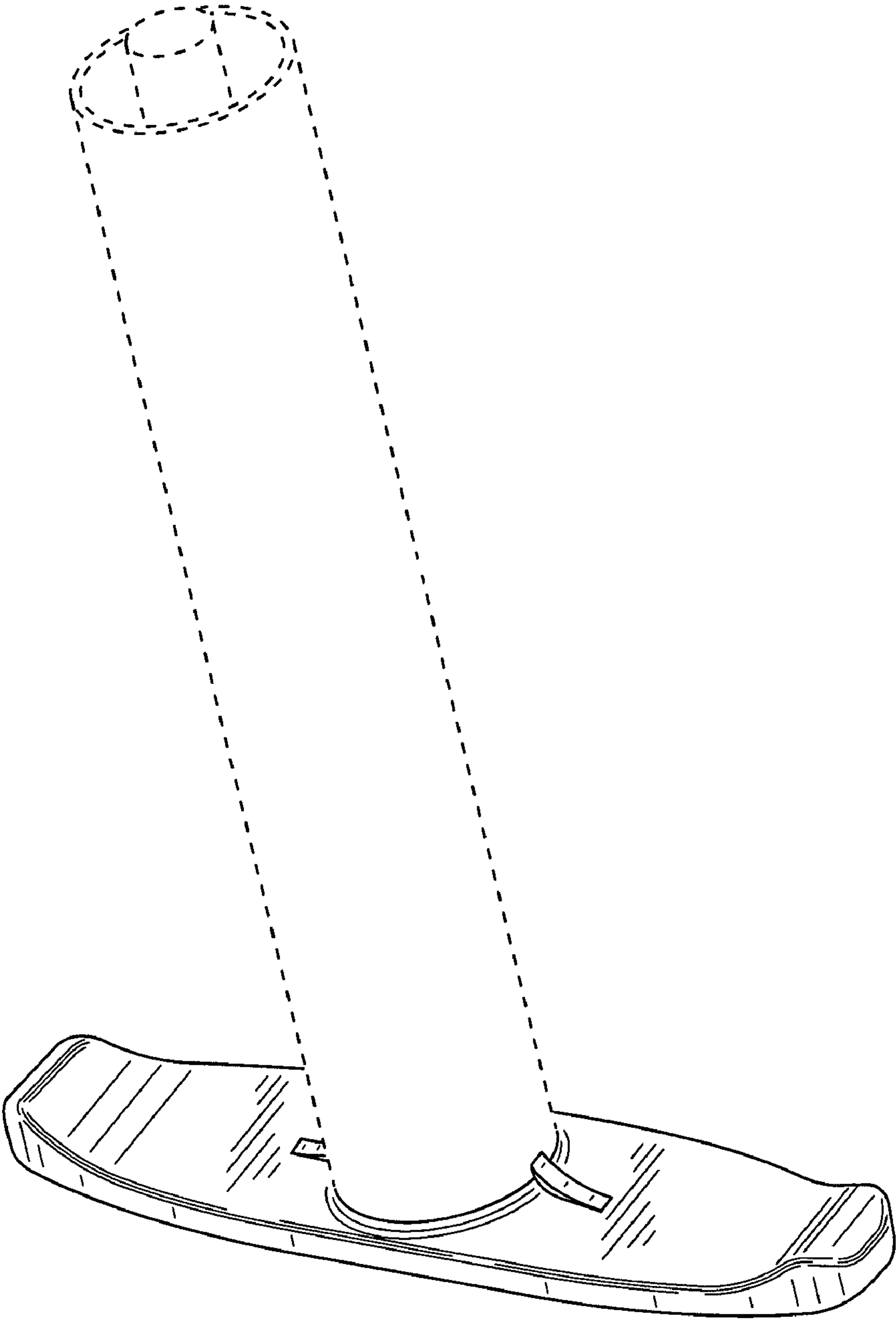


FIG.1

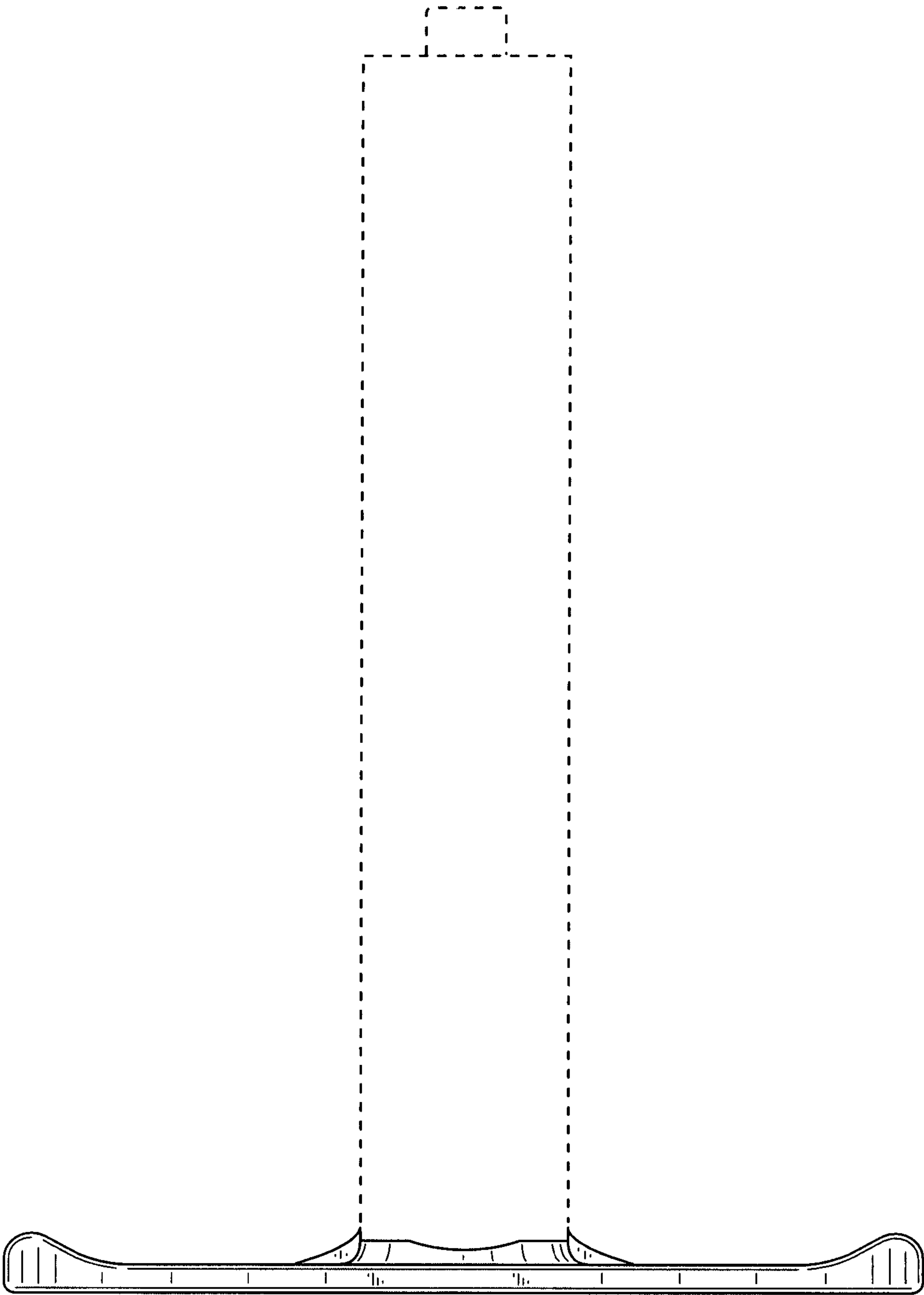


FIG.2

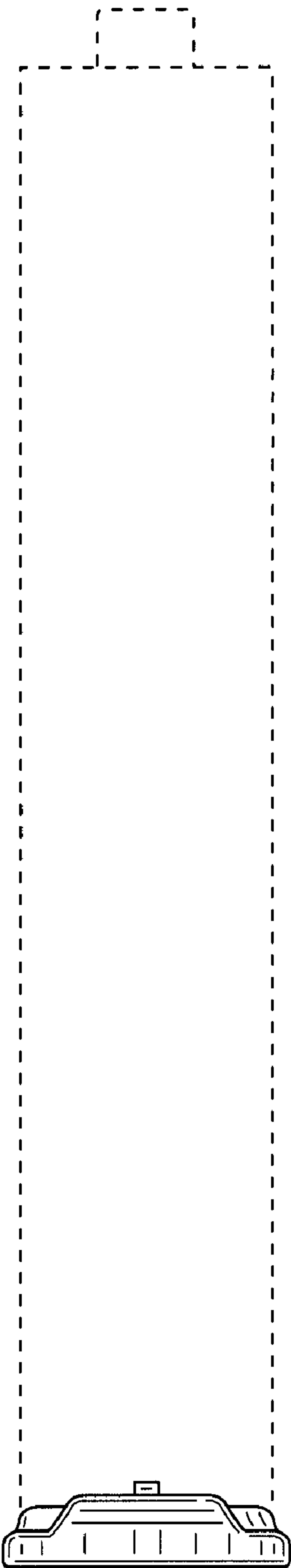


FIG.3

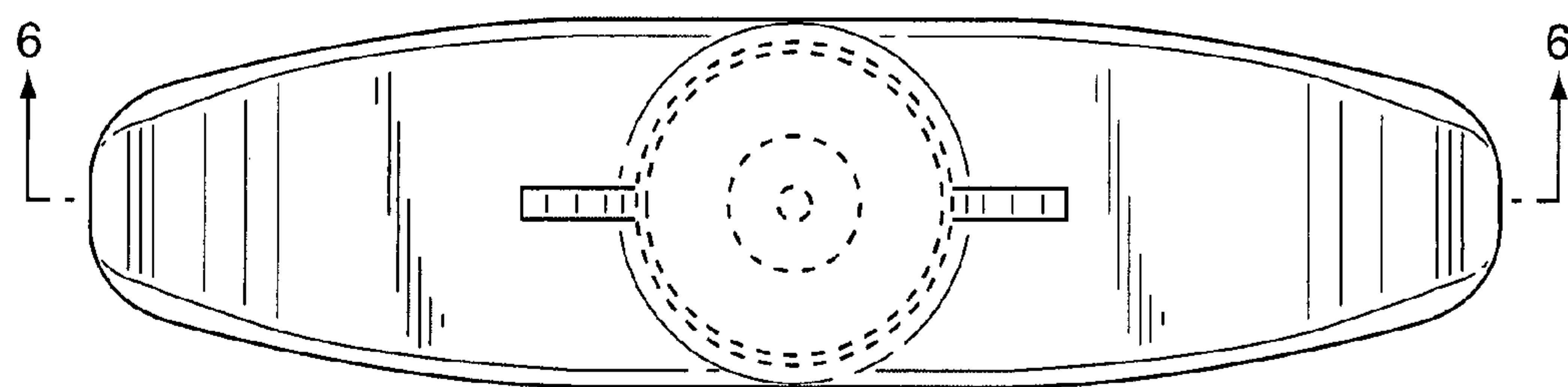


FIG. 4

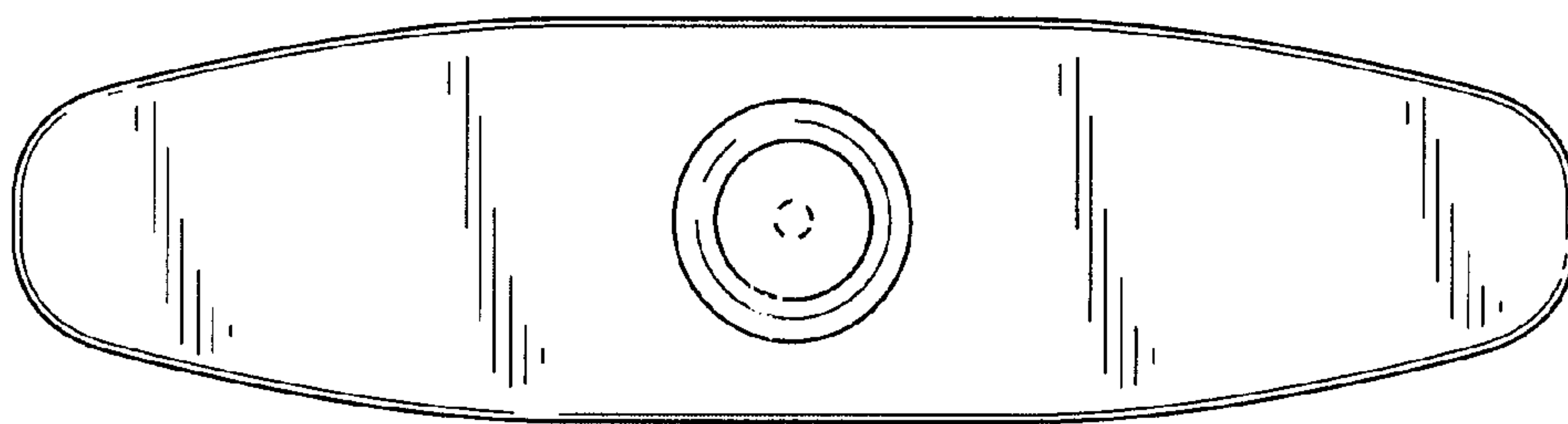


FIG. 5

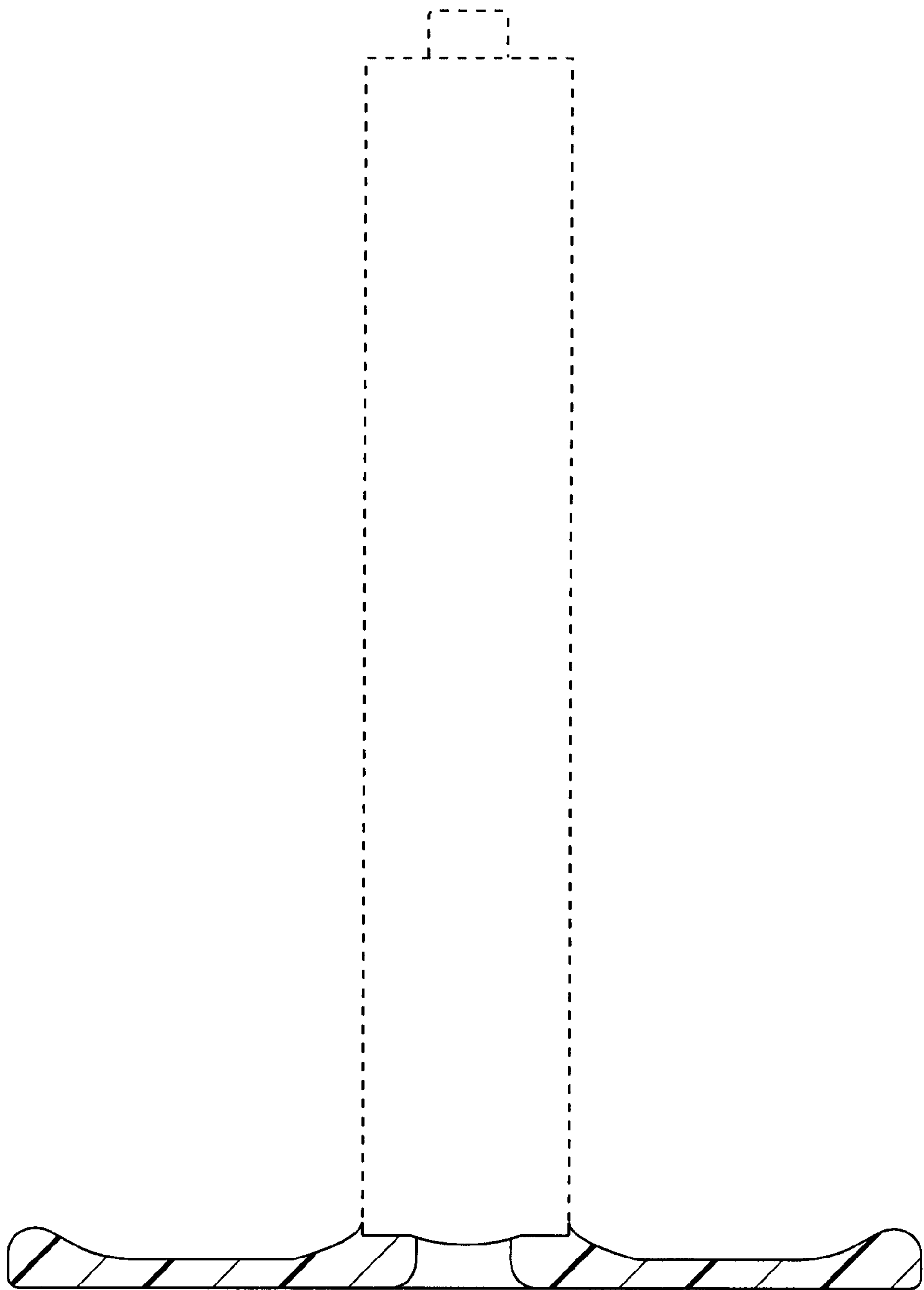


FIG.6