



US00D667951S

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

(10) **Patent No.:** **US D667,951 S**

(45) **Date of Patent:** **** Sep. 25, 2012**

(54) **TORQUE LIMITING NEEDLE CAP**

(75) Inventors: **Jeremy Marshall**, Oxford (GB); **Jessica Robson**, Oxford (GB)

(73) Assignee: **Owen Mumford Limited**, Woodstock (GB)

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

(21) Appl. No.: **29/422,294**

(22) Filed: **May 18, 2012**

Related U.S. Application Data

(62) Division of application No. 29/368,743, filed on Aug. 27, 2010, now Pat. No. Des. 665,497.

(30) **Foreign Application Priority Data**

Jul. 28, 2010 (EM) 001737024

(51) **LOC (9) Cl.** **24-02**

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

(58) **Field of Classification Search** D24/112-114, D24/130; 604/6.12, 93, 164-165, 166-167, 604/110, 187-189, 192-194, 198, 208, 218, 604/223, 232, 240-241, 243, 263-264
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 5,092,853 A * 3/1992 Couvertier, II 604/195
- 5,591,143 A 1/1997 Trombley, III et al.
- 5,685,863 A * 11/1997 Botich et al. 604/198
- 6,074,370 A * 6/2000 Pressly et al. 604/195
- 6,164,044 A * 12/2000 Porfano et al. 53/471
- 6,520,935 B1 2/2003 Jansen et al.
- 6,524,278 B1 * 2/2003 Campbell et al. 604/192
- 6,551,286 B1 4/2003 Claessens

- 6,695,819 B2 * 2/2004 Kobayashi 604/192
- 6,958,055 B2 * 10/2005 Donnan et al. 604/192
- 7,044,125 B2 * 5/2006 Vedrine et al. 128/200.19
- 7,338,469 B2 * 3/2008 Barker et al. 604/110
- 7,393,344 B2 * 7/2008 Mohammed 604/195
- D581,046 S * 11/2008 Sudo D24/130
- 2006/0173408 A1 * 8/2006 Wyrick 604/110
- 2008/0210890 A1 * 9/2008 Fago 250/506.1

FOREIGN PATENT DOCUMENTS

- EP 1384491 A1 1/2004
- JP 2003267419 A 9/2003
- WO 2004/052432 A2 6/2004
- WO 2010/119271 A1 10/2010

OTHER PUBLICATIONS

GB Search Report, Dated Aug. 28, 2009, in Application No. 0906640.8.

International Search Report, Dated Aug. 2, 2010, in PCT/GB2010/000783.

* cited by examiner

Primary Examiner — Raphael Barkai

Assistant Examiner — Randall Gholson

(74) *Attorney, Agent, or Firm* — Young & Thompson

(57) **CLAIM**

The ornamental design for a torque limiting needle cap, as shown and described.

DESCRIPTION

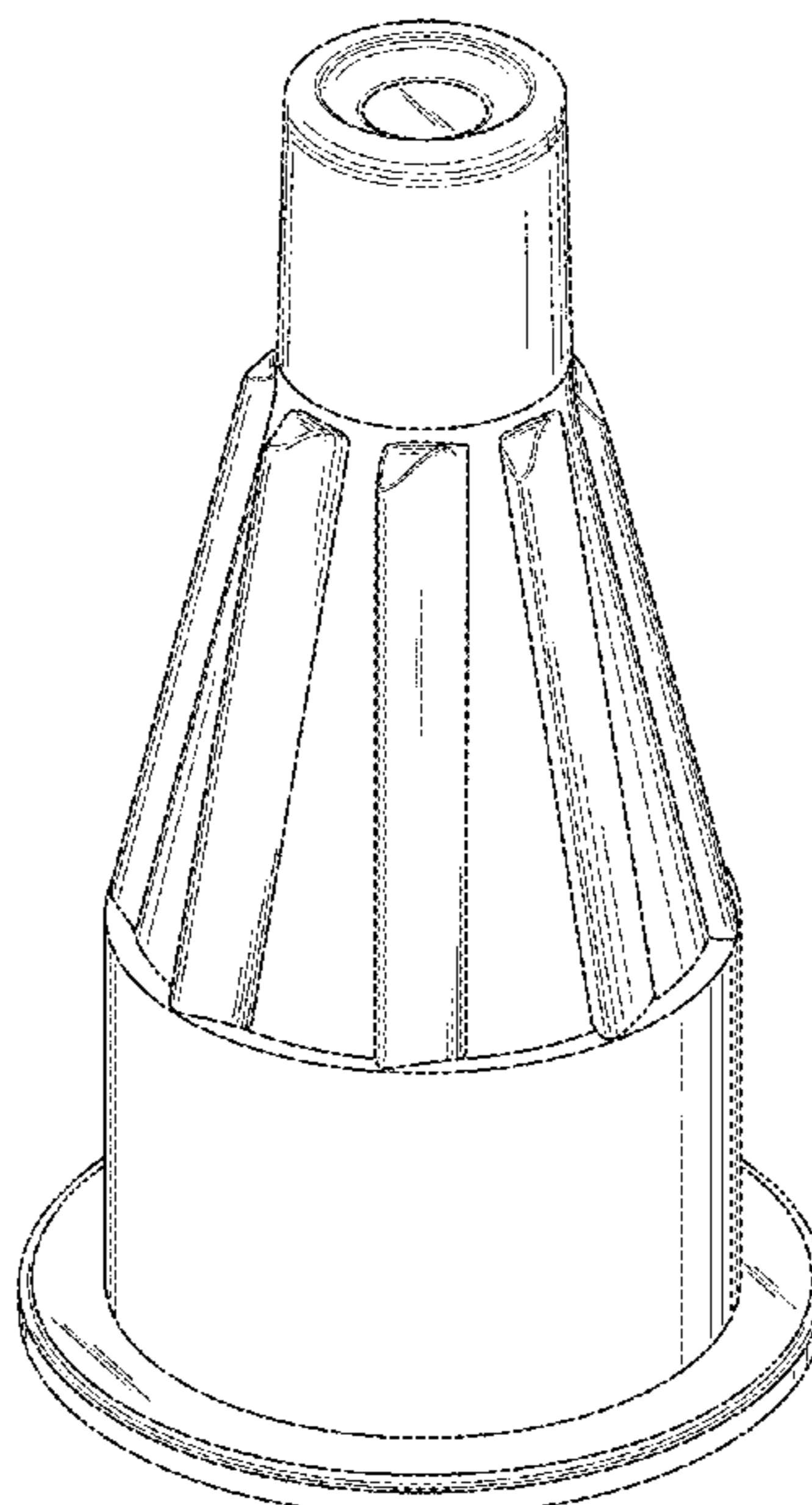
FIG. 1 is a top and side perspective view of a torque limiting needle cap showing our design;

FIG. 2 is a side elevational view thereof, the right and left side elevational views and the rear elevational view being identical;

FIG. 3 is a top plan view thereof; and,

FIG. 4 is a bottom plan view thereof.

1 Claim, 3 Drawing Sheets



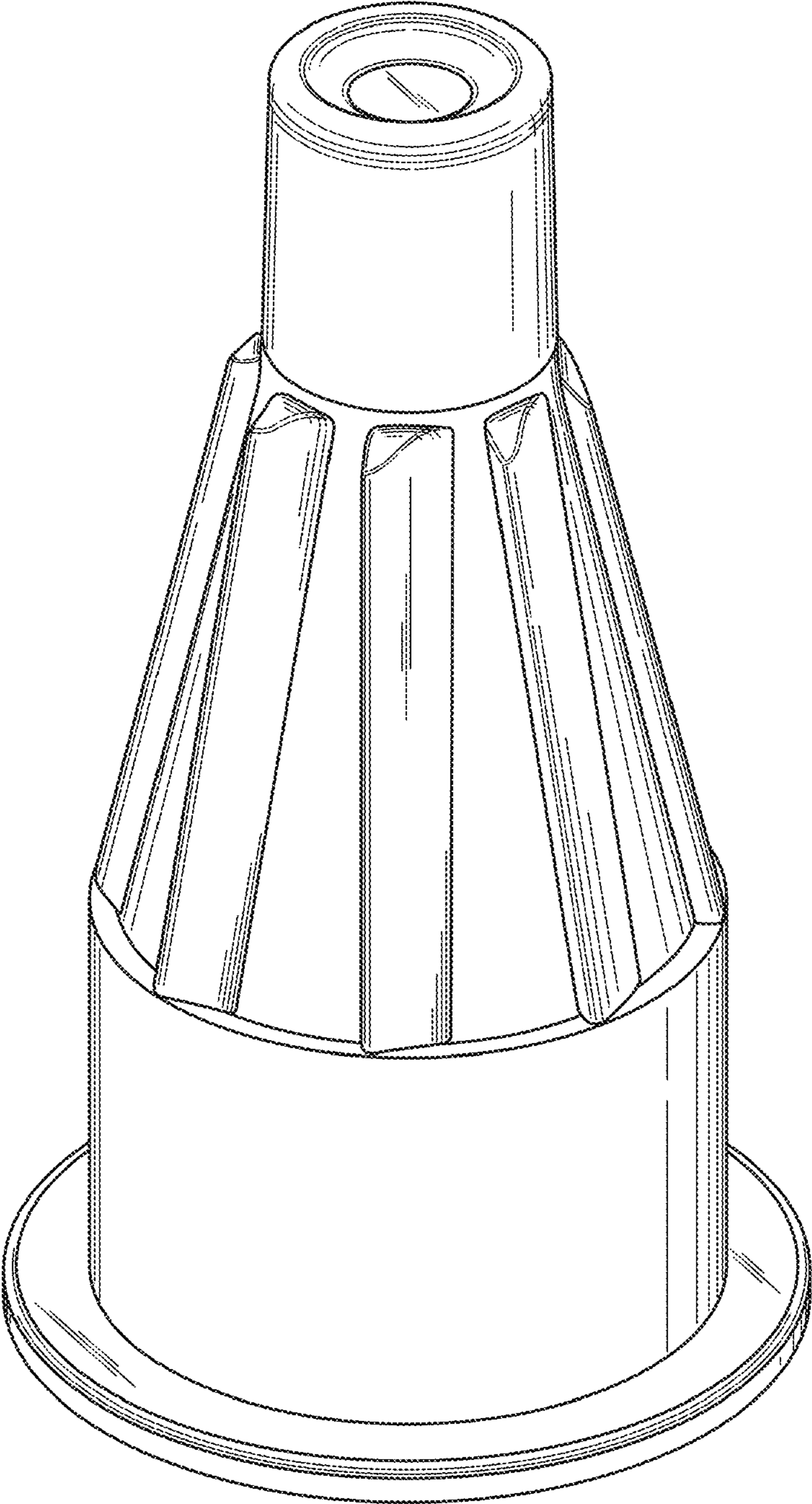


Fig. 1

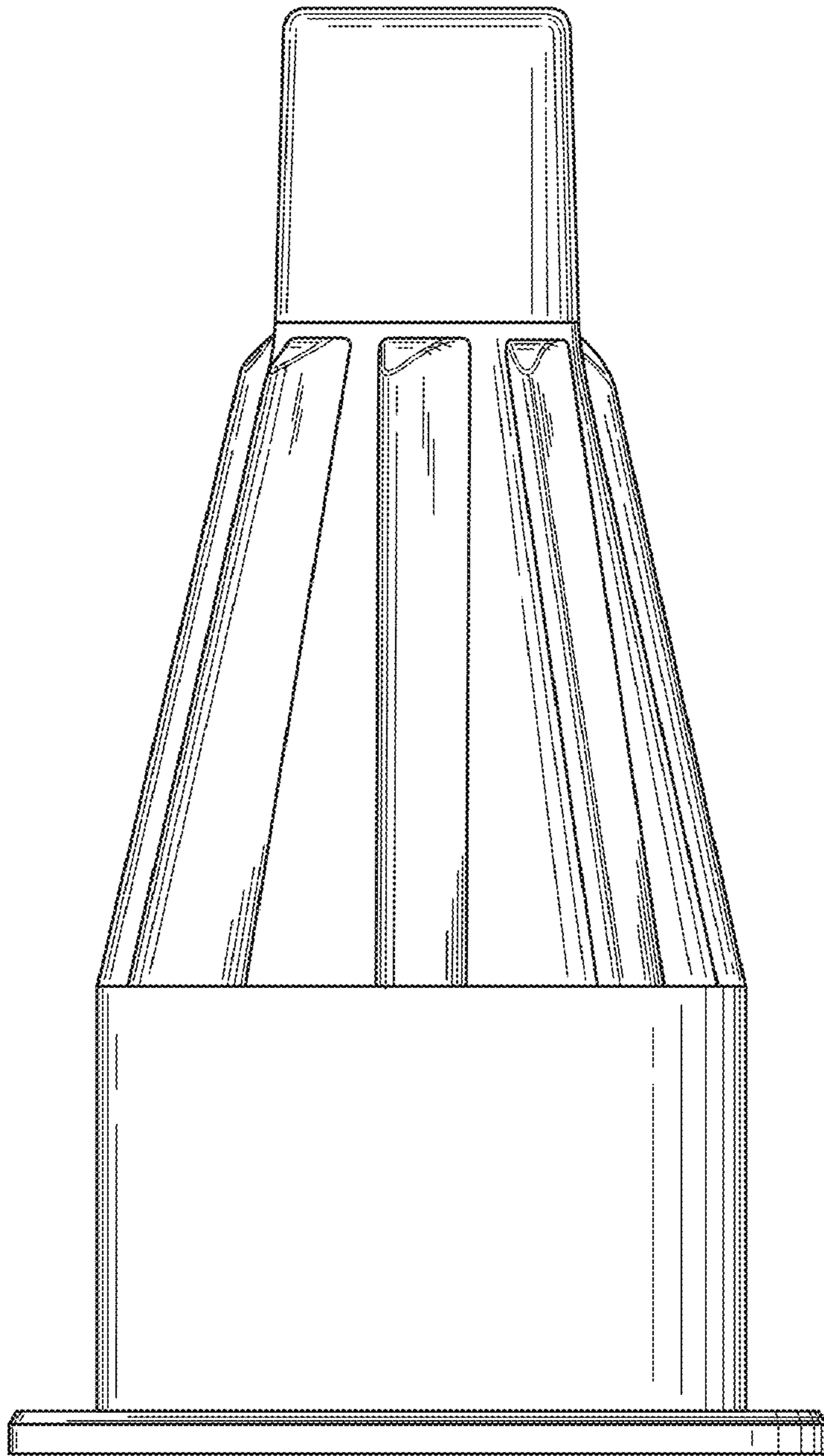


Fig. 2

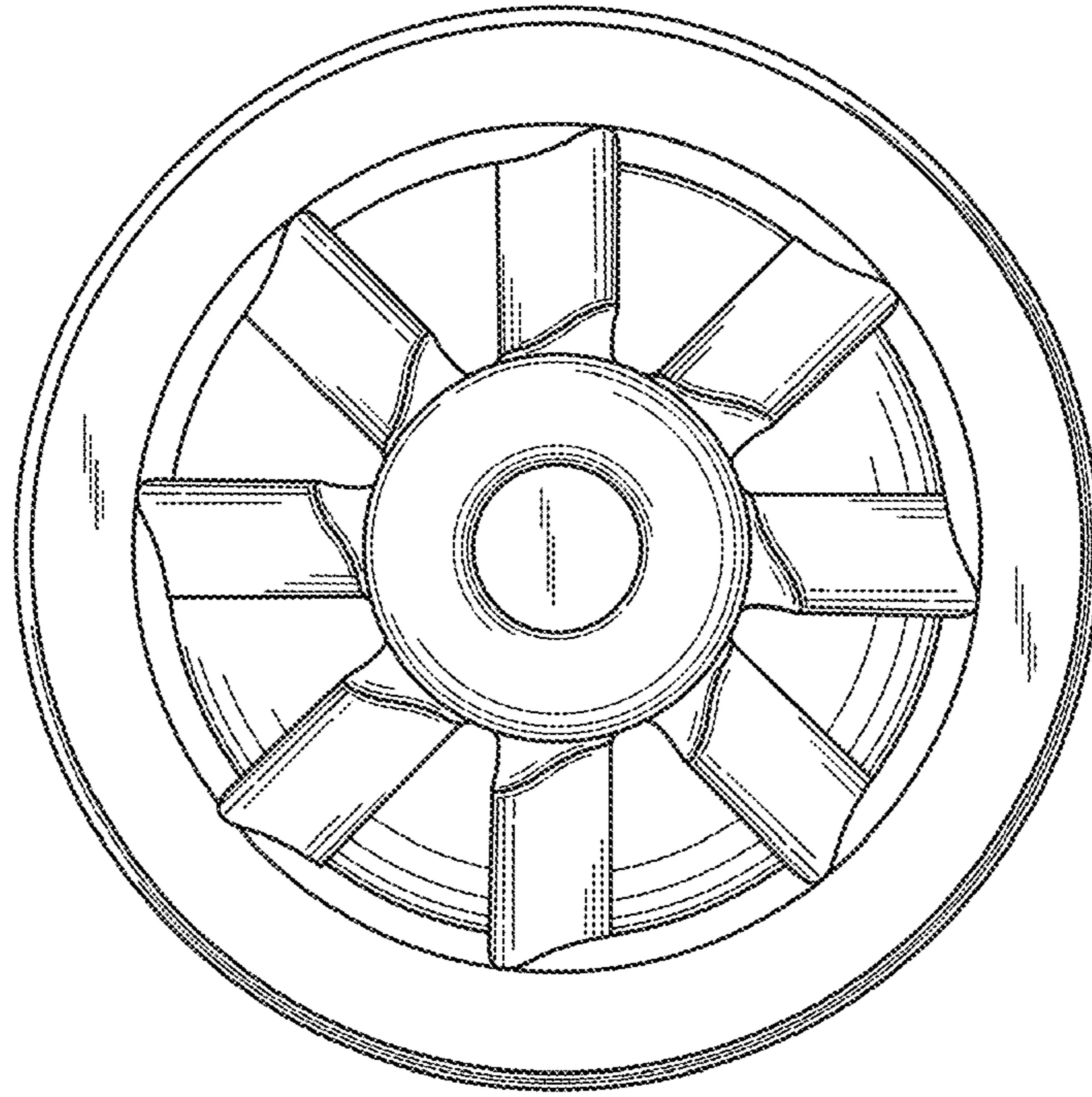


Fig. 3

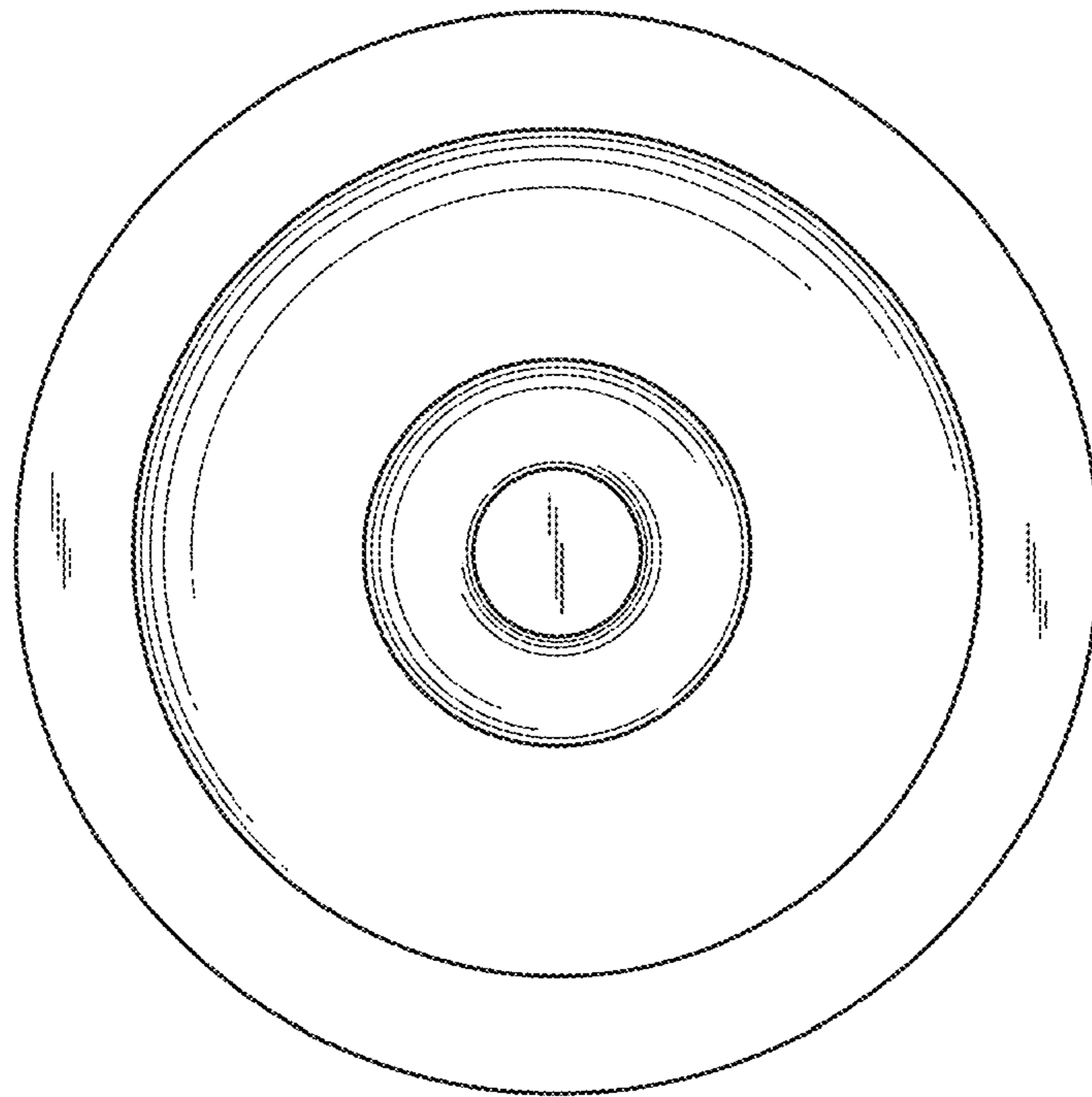


Fig. 4