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

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(45) **Date of Patent:** **** Sep. 1, 2015**

(54) **ADAPTER CAP WITH NEEDLE BORE
HAVING FLAT INTERNAL SURFACES**

FOREIGN PATENT DOCUMENTS

WO WO94/26874 11/1994

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OTHER PUBLICATIONS

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(US)

BacT/ALERT® Blood Collection Adapter, bioMérieux, Inc., Product Insert, 3 pages, Apr. 2004.

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

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(21) Appl. No.: **29/453,007**

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(57) **CLAIM**

(51) **LOC (10) Cl.** **24-02**

The ornamental design for an adapter cap with a needle bore having flat internal surfaces, as shown and described.

(52) **U.S. Cl.**

USPC **D24/127**

(58) **Field of Classification Search**

USPC D24/110.6, 112–118, 120, 127, 130,
D24/131, 121; 422/568; 264/318; 425/542;
600/576; 604/403, 411

See application file for complete search history.

DESCRIPTION

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,827,944 A	5/1989	Nugent	
4,945,060 A	7/1990	Turner et al.	
5,000,804 A	3/1991	Nugent	
5,094,955 A	3/1992	Calandra et al.	
5,162,229 A	11/1992	Thorpe et al.	
5,164,796 A	11/1992	Di Guiseppi et al.	
5,217,876 A	6/1993	Turner et al.	
5,344,417 A	9/1994	Wadsworth, Jr.	
5,360,423 A	11/1994	McCormick	
5,374,264 A	12/1994	Wadsworth, Jr.	
5,770,394 A	6/1998	Berndt	
5,795,773 A	8/1998	Read et al.	
5,856,175 A	1/1999	Thorpe et al.	
5,860,329 A	1/1999	Day	
D427,308 S *	6/2000	Zinger	D24/129

FIG. 1 is an enlarged perspective view an adapter cap with a needle bore having flat internal surfaces;
FIG. 2 is an enlarged partial perspective view thereof;
FIG. 3 is a side view thereof, the opposing side view being the same;

FIG. 4 is a side view taken at 90 degrees from the side view shown in FIG. 3, the opposing side view being the same;

FIG. 5 is a top view thereof;

FIG. 6 is a bottom view thereof;

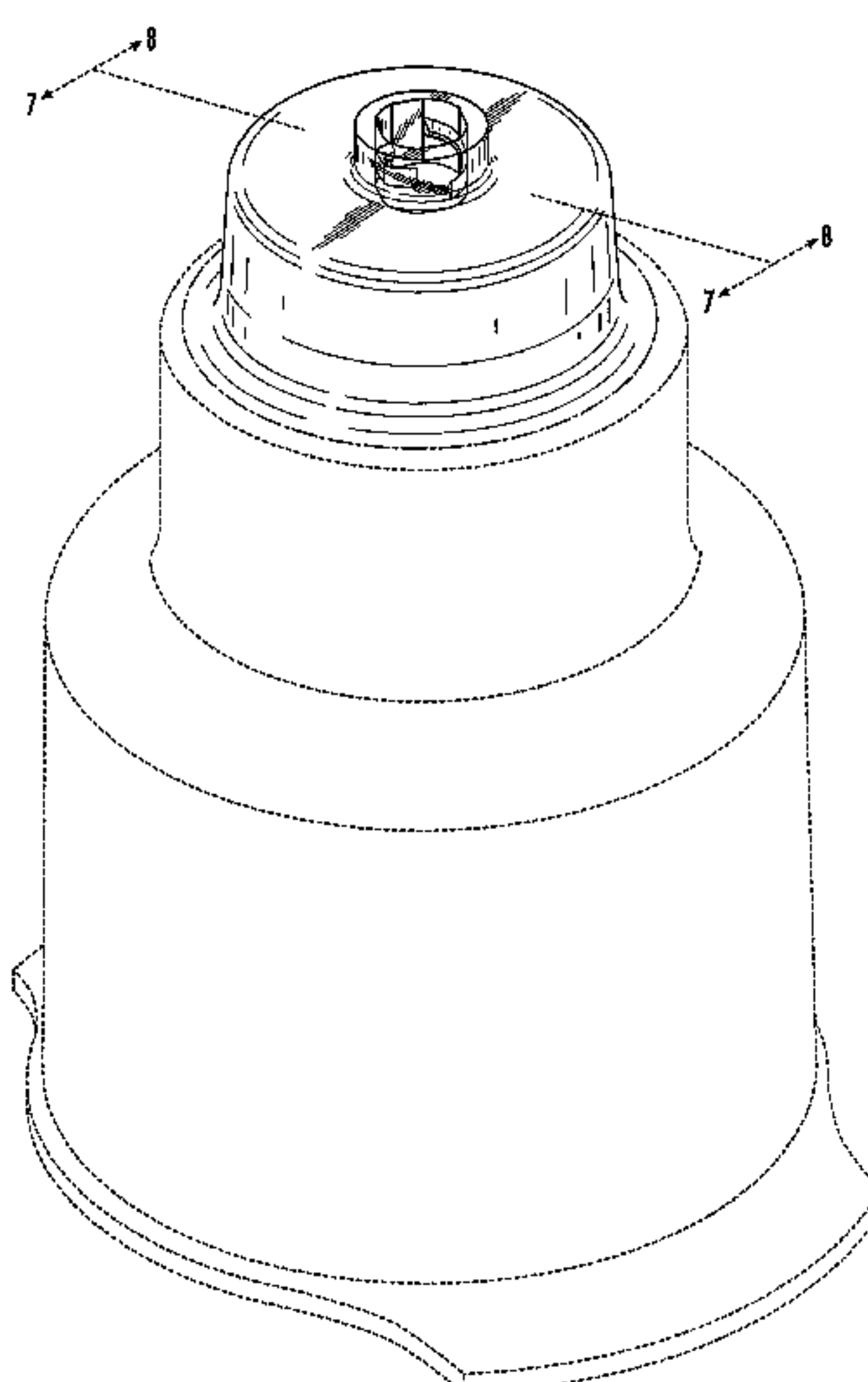
FIG. 7 is an enlarged section view taken along lines 7-7 of FIG. 1;

FIG. 8 is an enlarged section view taken along lines 8-8 of FIG. 1; and,

FIG. 9 is an environmental view of the adapter cap with a needle bore having flat internal surfaces showing the device for use with a needle and collection container for obtaining blood samples for testing.

The broken lines shown in FIGS. 1-9 illustrate the environment of the claimed design and forms no part thereof.

1 Claim, 9 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

6,123,211 A

9/2000

Rashid et al.

6,537,263 B1

3/2003

Aneas

6,709,857 B2

3/2004

Bachur, Jr.

6,997,916 B2

2/2006

Simas, Jr. et al.

7,211,430 B2

5/2007

Schwarz et al.

7,261,698 B2

8/2007

Sampson et al.

D588,691 S *

3/2009

Perrin et al. D24/120

D617,894 S *

6/2010

Wright D24/121

D686,322 S *

7/2013

Maeda et al. D24/130

D720,452 S *

12/2014

Jordan D24/130

2004/0215106 A1 *

10/2004

Sampson et al. 600/576

2005/0037165 A1

2/2005

Ahern et al.

2010/0068755 A1

3/2010

Walsh

2011/0081714 A1

4/2011

Wilson et al.

2011/0124028 A1

5/2011

Robinson et al.

2012/0323221 A1 *

12/2012

Gallo et al. 604/514

2013/0313287 A1 *

11/2013

Walsh et al. 222/251

2014/0088544 A1 *

3/2014

Yow et al. 604/411

2014/0322104 A1 *

10/2014

Philipak et al. 422/568

* cited by examiner

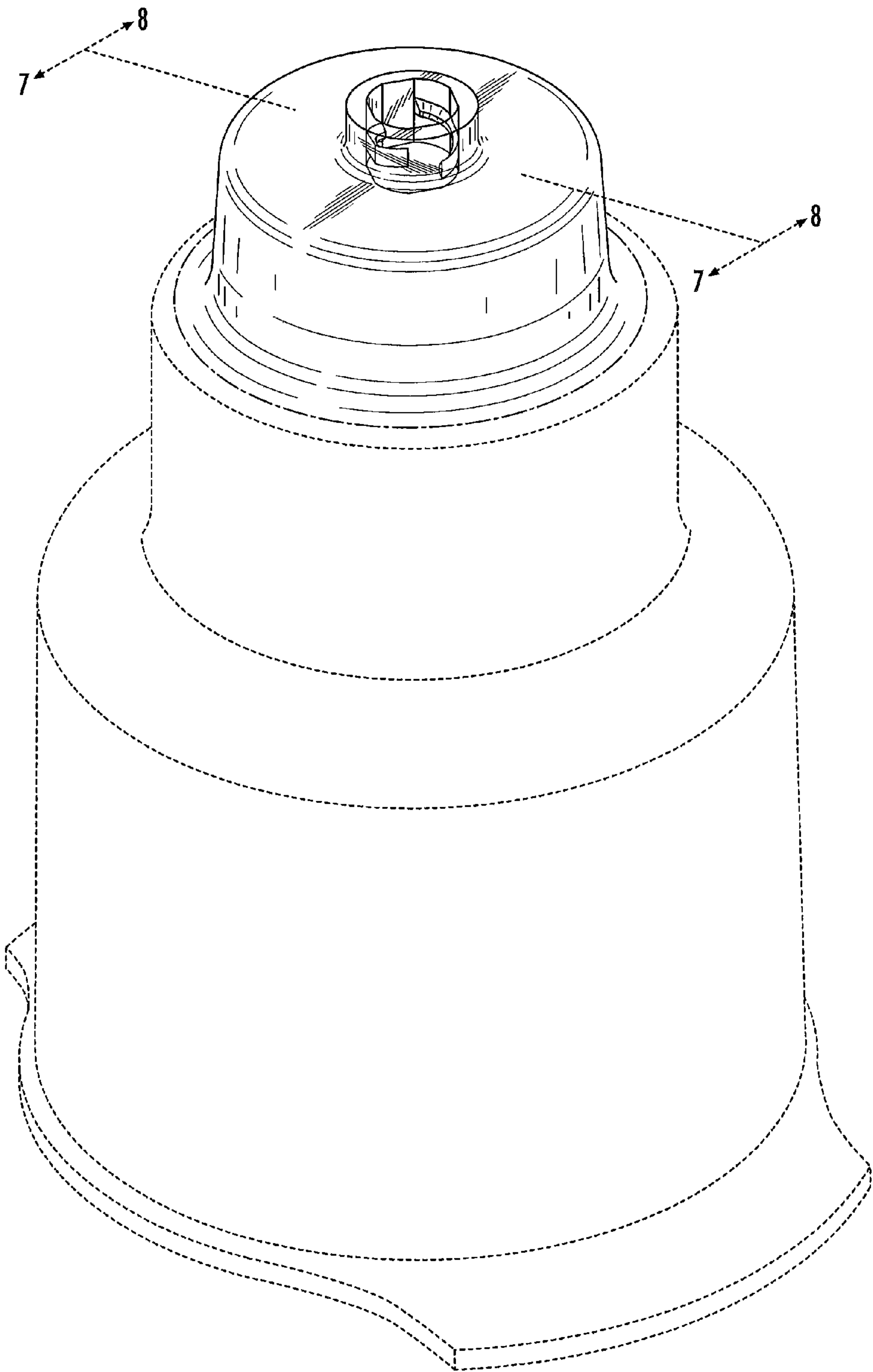


FIG. 1

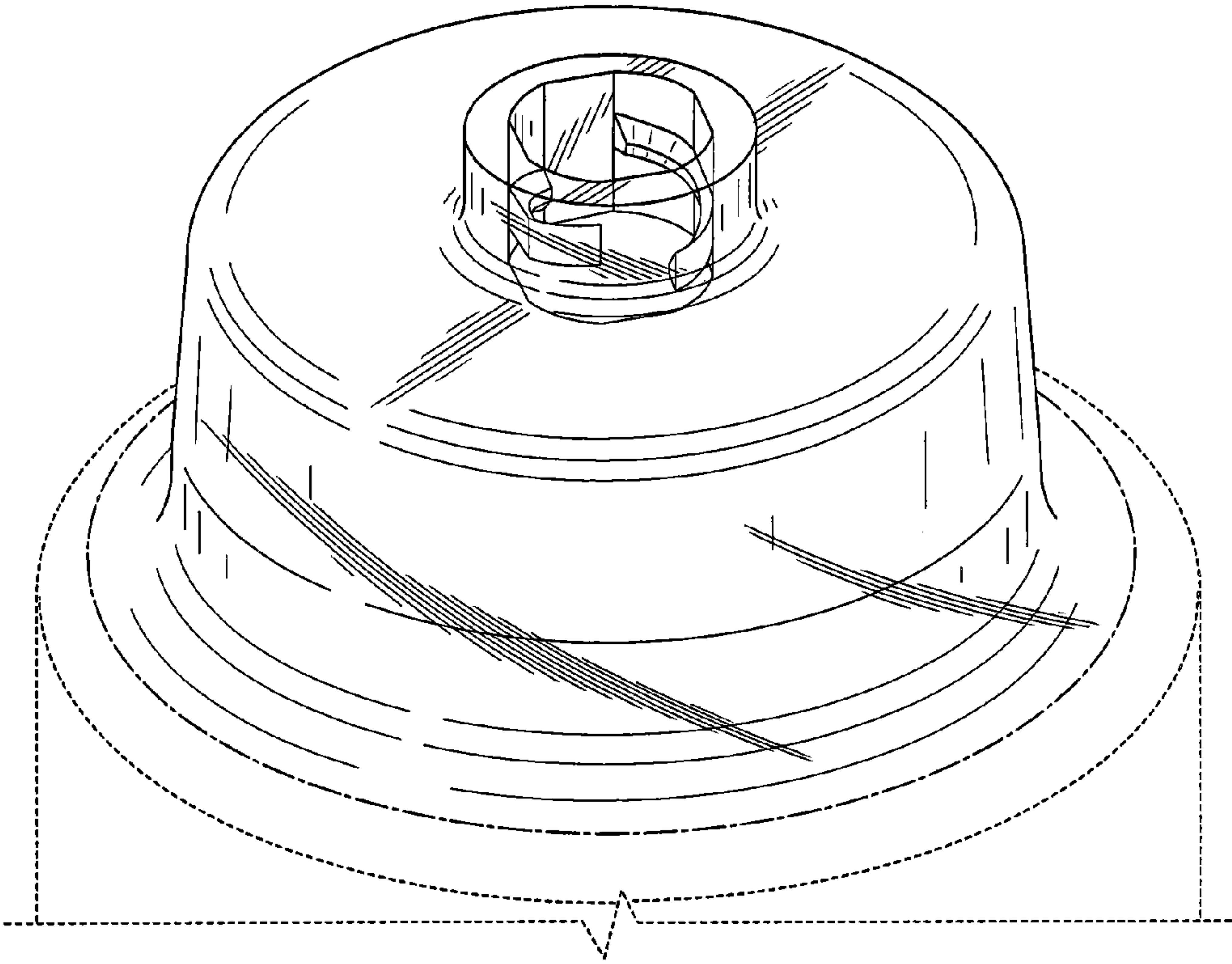


FIG. 2

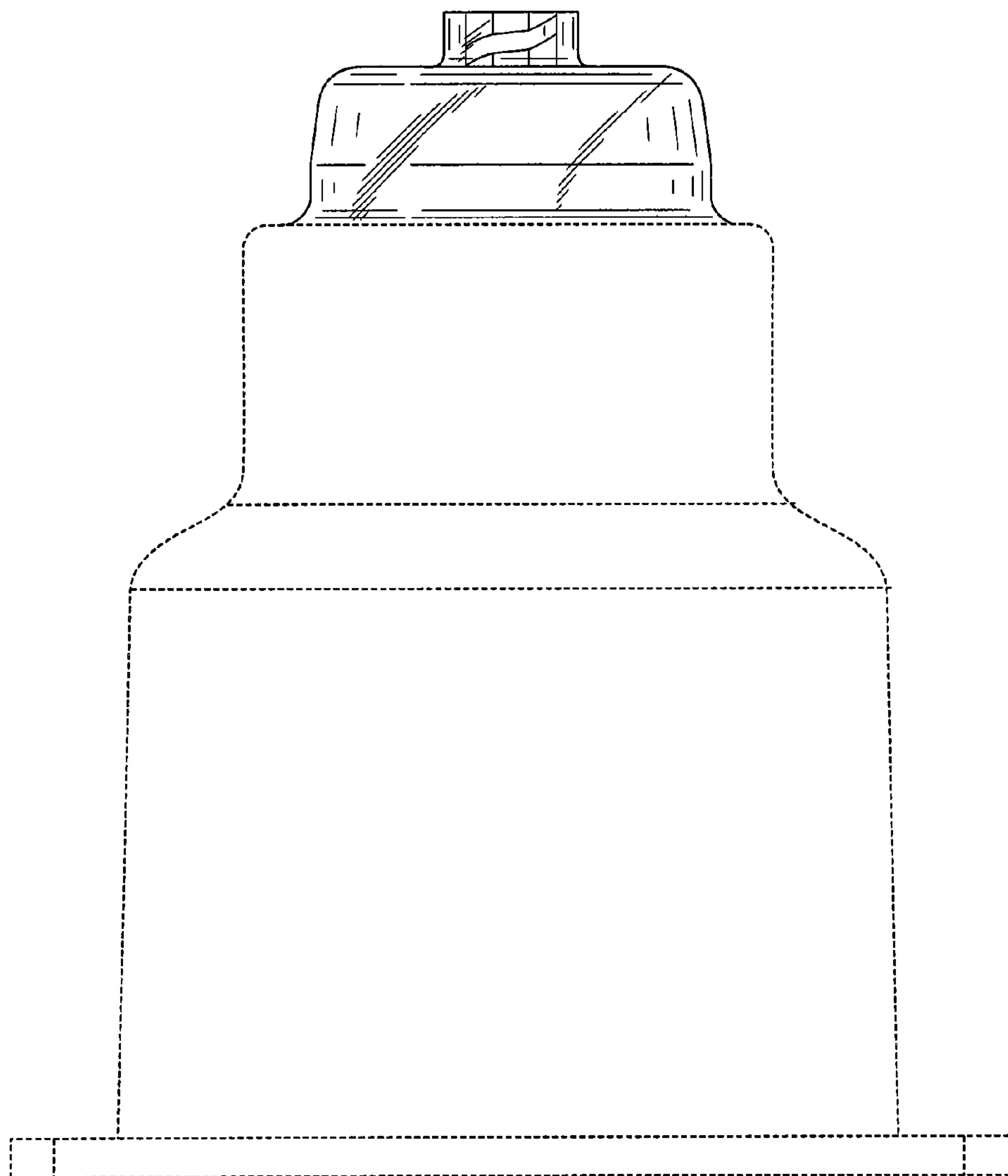


FIG. 3

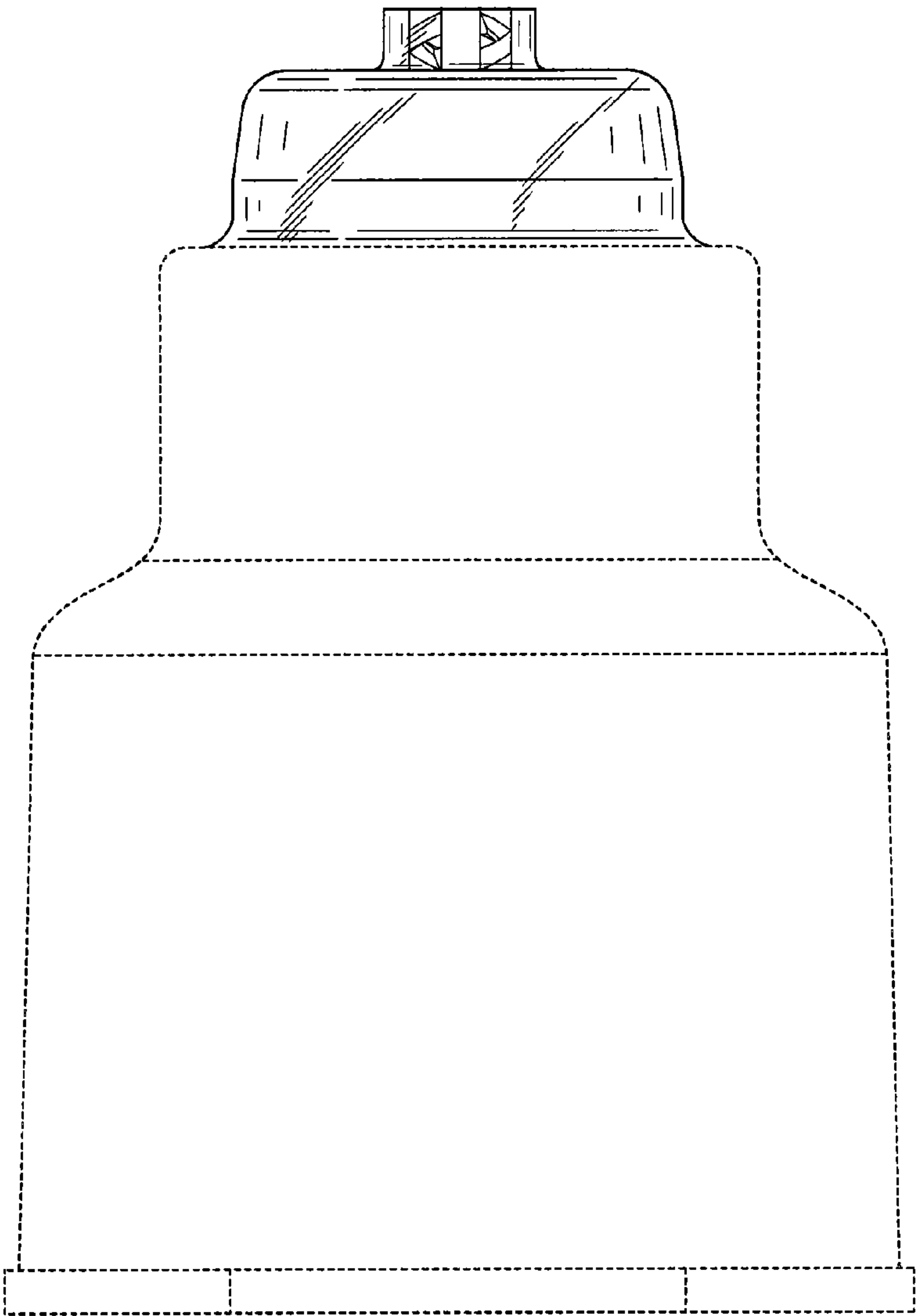


FIG. 4

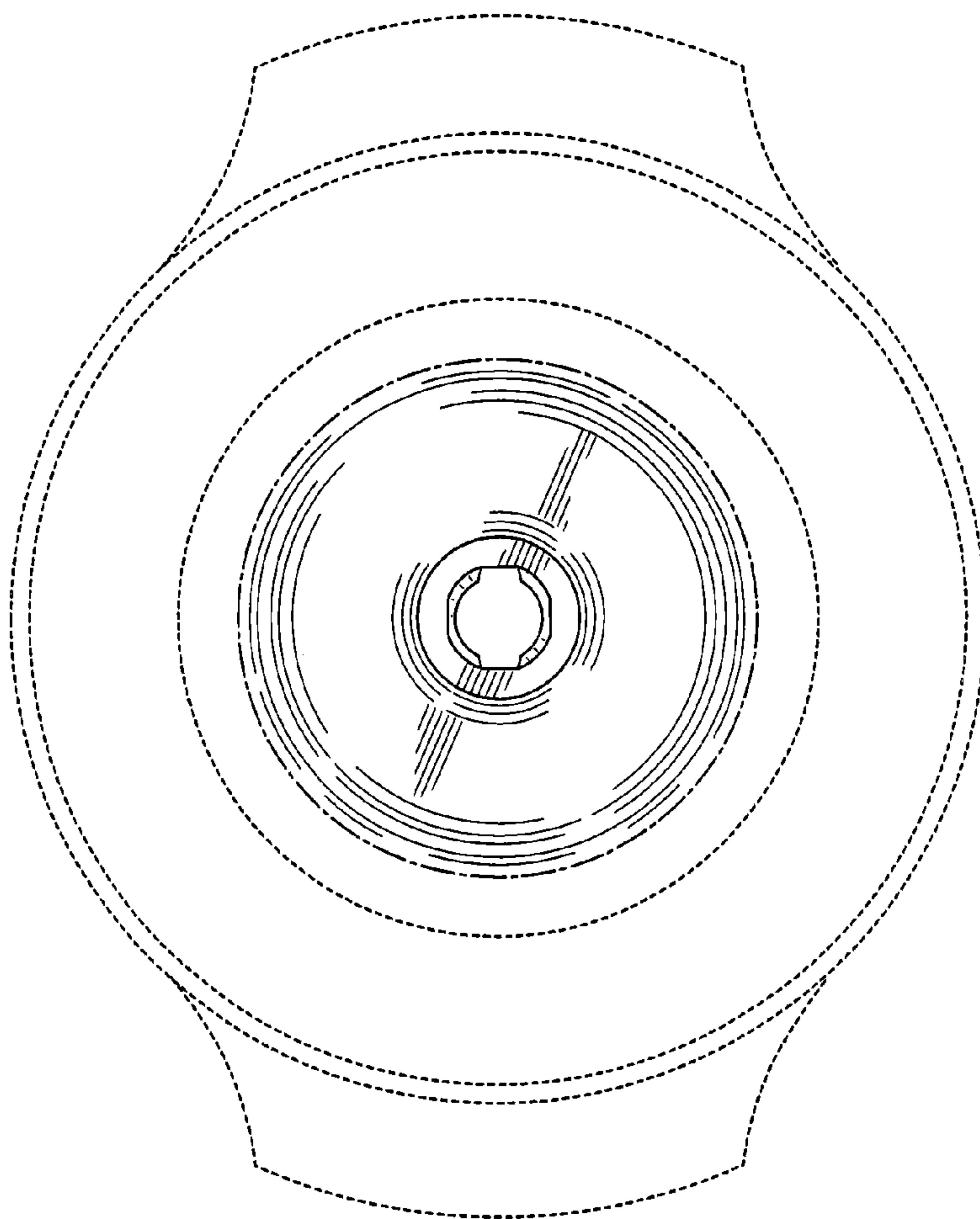


FIG. 5

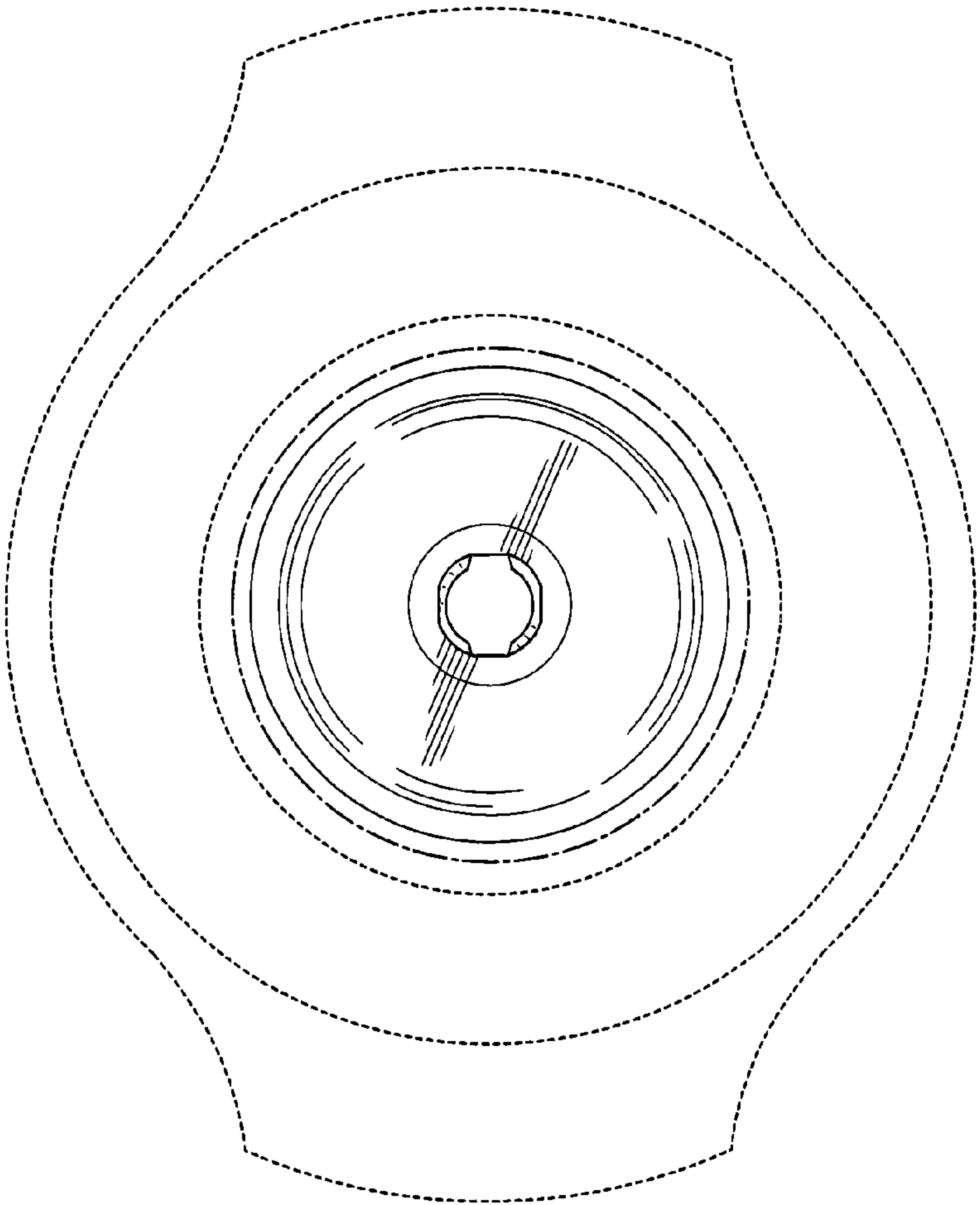


FIG. 6

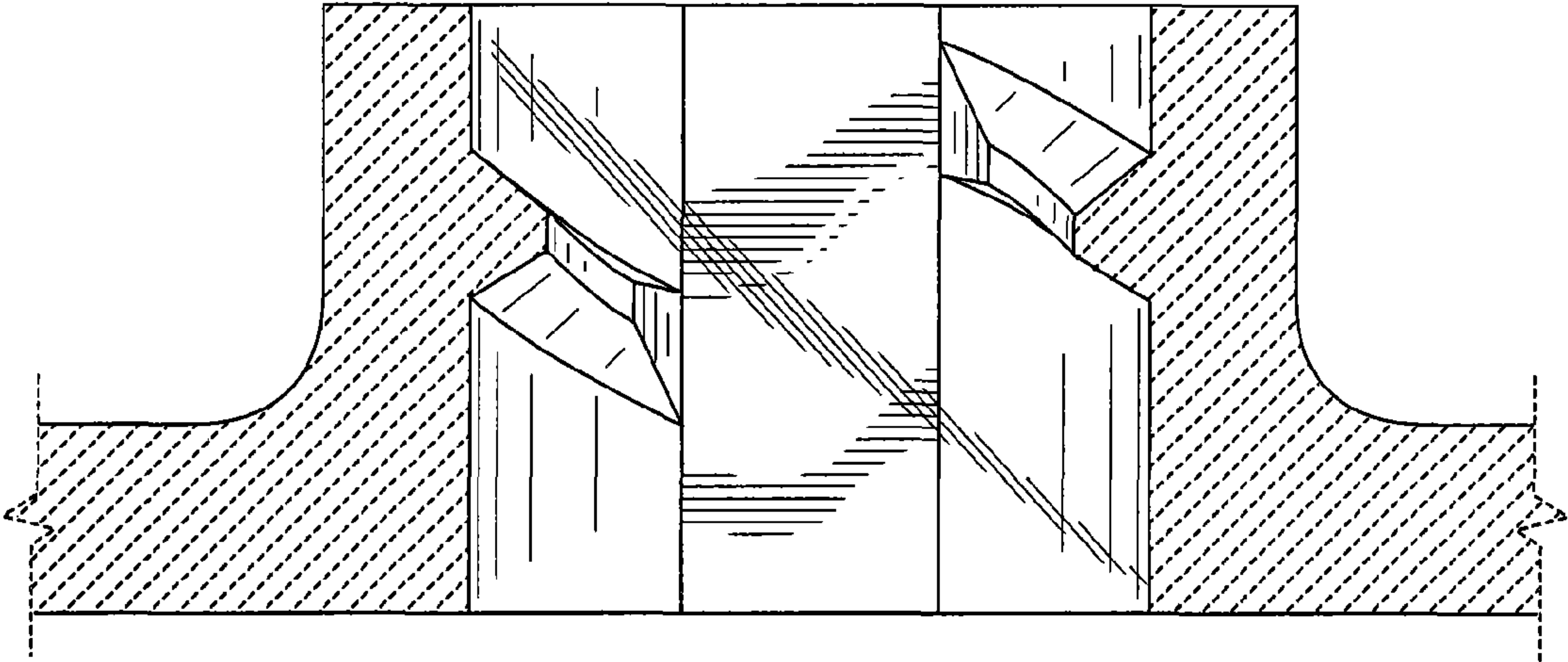


FIG. 7

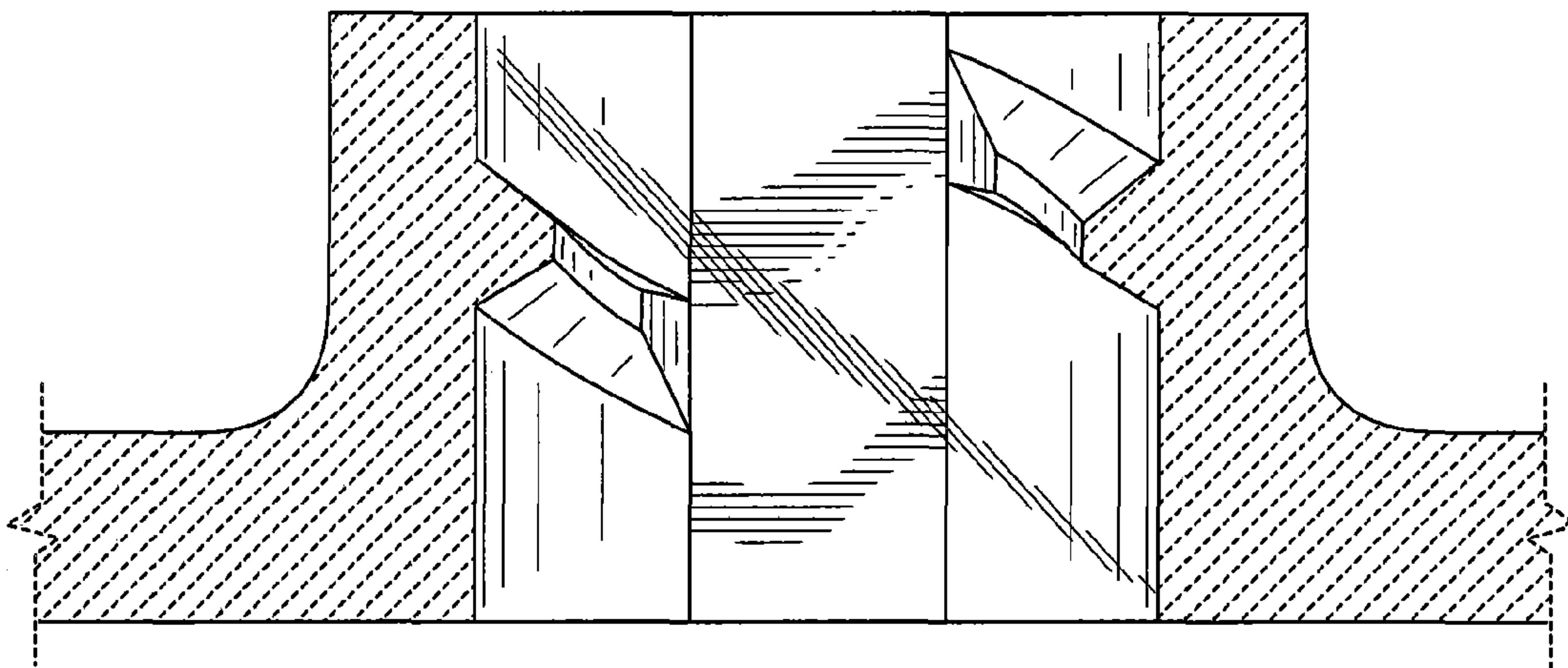


FIG. 8

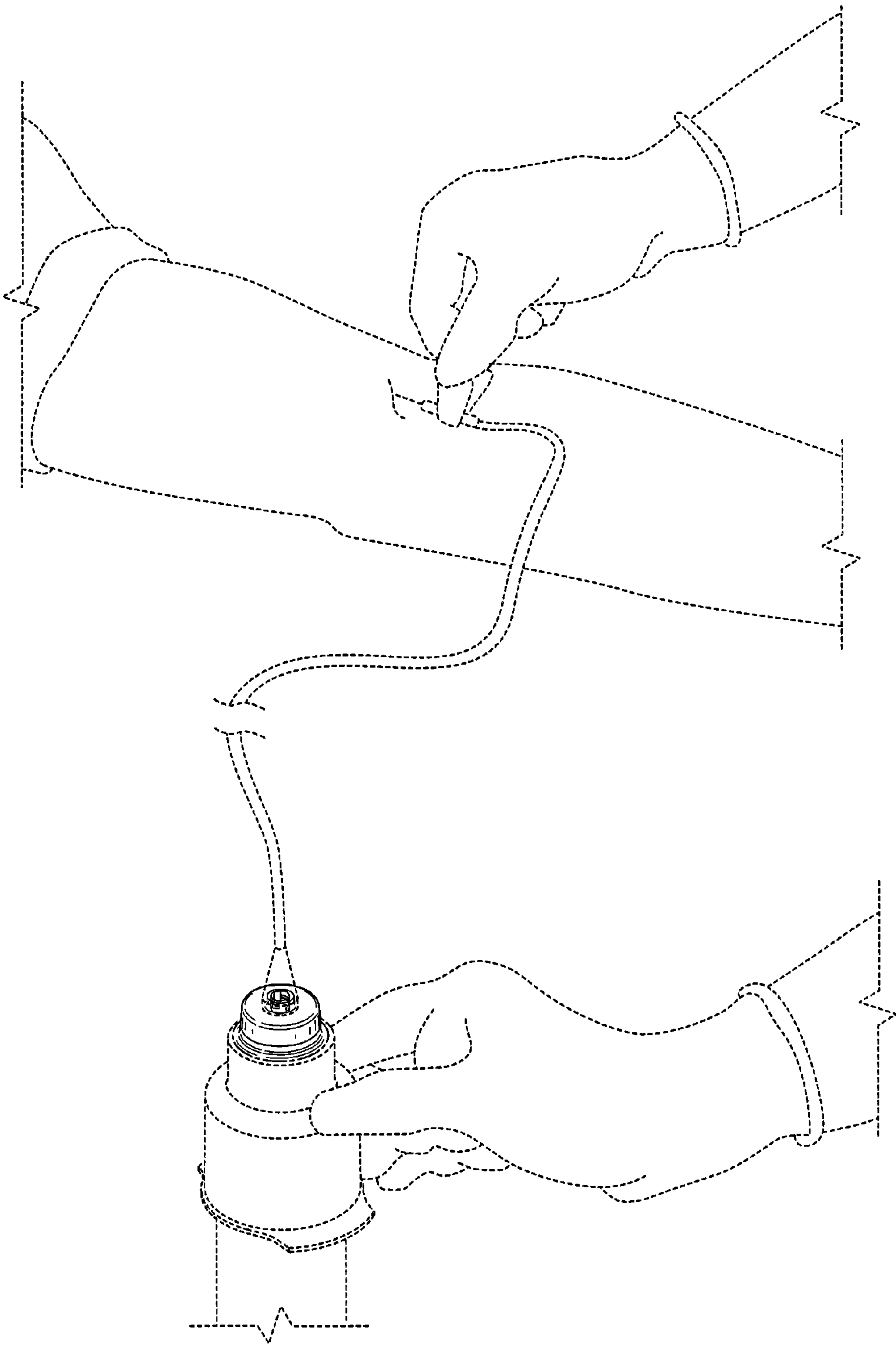


FIG. 9