



US00D547506S

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

(10) **Patent No.:** **US D547,506 S**  
(45) **Date of Patent:** **\*\* Jul. 24, 2007**

(54) **CYCLONE SEPARATION MODULE**

(75) Inventors: **Douglas J. Medema**, Belding, MI (US); **Bryce G. Rutter**, St. Louis, MO (US); **Marc W. Hunter**, St. Louis, MO (US); **Jeffery F. Feng**, St. Louis, MO (US); **David D. Kusch**, St. Louis, MO (US); **Melvin Joshua Leedle**, St. Louis, MO (US)

(73) Assignee: **Bissell Homecare, Inc.**, Grand Rapids, MI (US)

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

(21) Appl. No.: **29/246,191**

(22) Filed: **Mar. 10, 2006**

(51) **LOC (8) Cl.** ..... **15-05**

(52) **U.S. Cl.** ..... **D32/31**

(58) **Field of Classification Search** ..... D32/21-23, D32/31, 15-16, 30; 15/320, 327.1, 327.2, 15/327.6, 327.7, 328-329, 331, 344, 350-353, 15/361, 410-411, DIG. 10; 55/DIG. 3, 337, 55/345, 429, 447; 95/271; 210/512.1; 16/429, 16/114.1, DIG. 19, 419; D8/307-308  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

6,231,645	B1 *	5/2001	Conrad et al.	95/271
D444,275	S	6/2001	Mehaffey	
6,341,404	B1	1/2002	Salo et al.	
D462,813	S	9/2002	Nakano et al.	
D471,683	S	3/2003	Dyson et al.	
D483,535	S	12/2003	Leyden et al.	

D488,896	S	4/2004	Leyden	
D494,330	S	8/2004	Downey et al.	
D494,718	S	8/2004	Rosenzweig et al.	
D494,719	S	8/2004	Rosenzweig et al.	
D517,757	S	3/2006	Santiago	
D518,927	S *	4/2006	Rupp et al.	D32/21
D520,692	S	5/2006	Leyden	
7,155,772	B2 *	1/2007	Lee	15/353
2004/0200028	A1 *	10/2004	Oh et al.	15/347
2006/0037172	A1 *	2/2006	Choi	15/353
2006/0162298	A1 *	7/2006	Oh et al.	55/337
2007/0011998	A1 *	1/2007	Yoo et al.	55/337
2007/0012003	A1 *	1/2007	Oh et al.	55/429

\* cited by examiner

*Primary Examiner*—Ruth McInroy

(74) *Attorney, Agent, or Firm*—McGarry Bair PC

(57) **CLAIM**

The ornamental design for a cyclone separation module, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of a cyclone separation module which embodies our design;

FIG. 2 is a front view thereof;

FIG. 3 is a rear view thereof;

FIG. 4 is a right side view thereof;

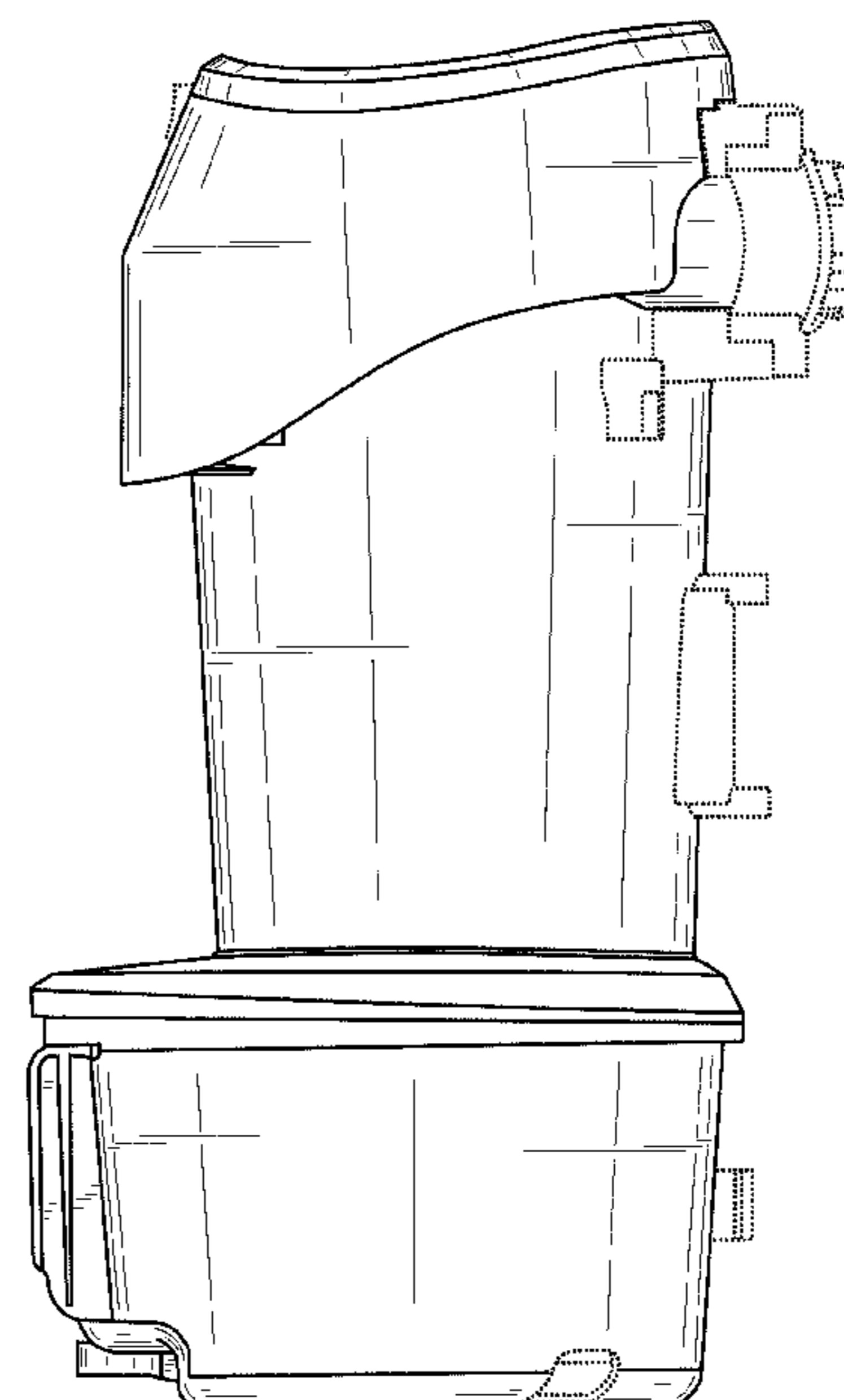
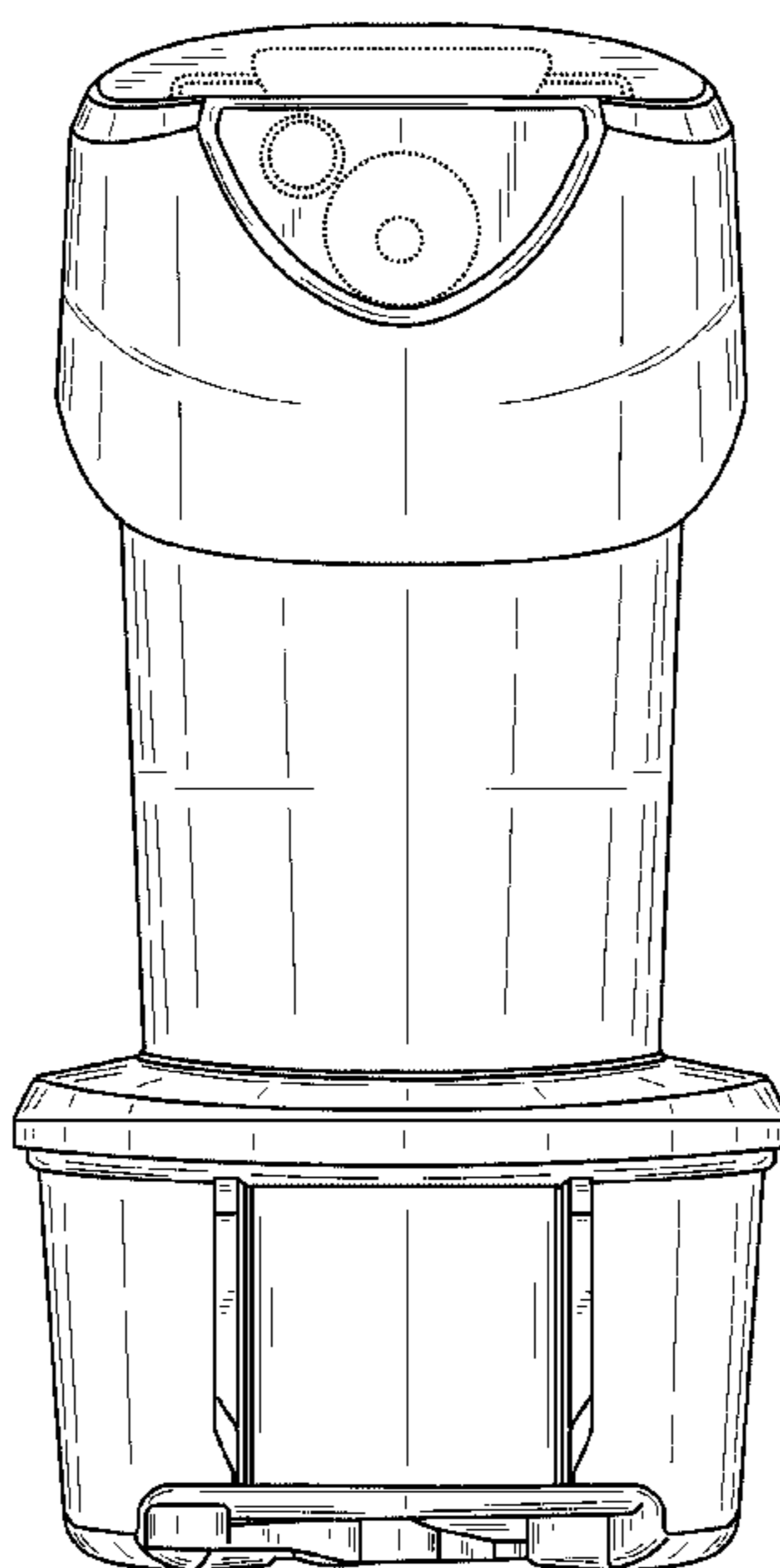
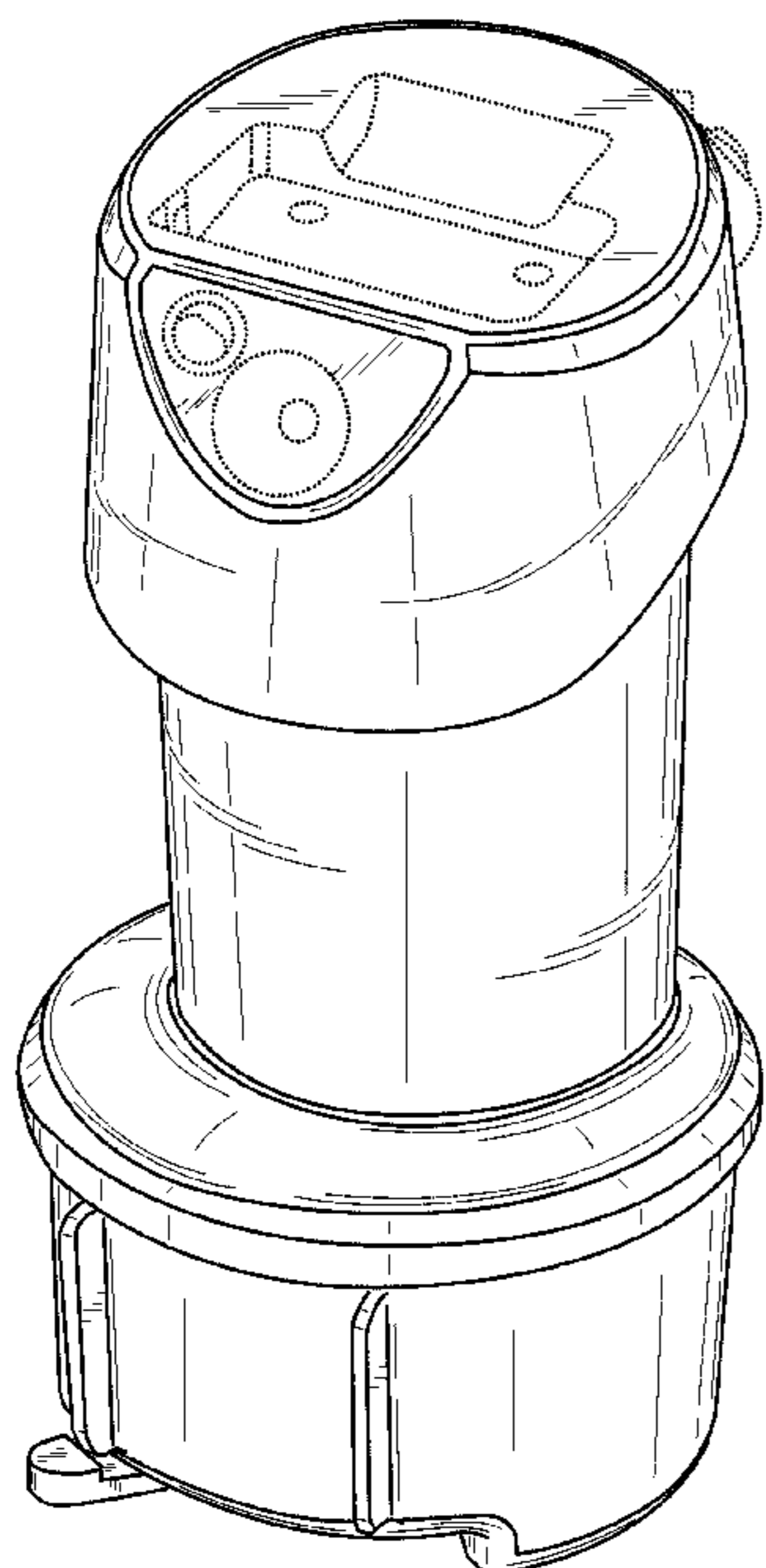
FIG. 5 is a left side view thereof; and

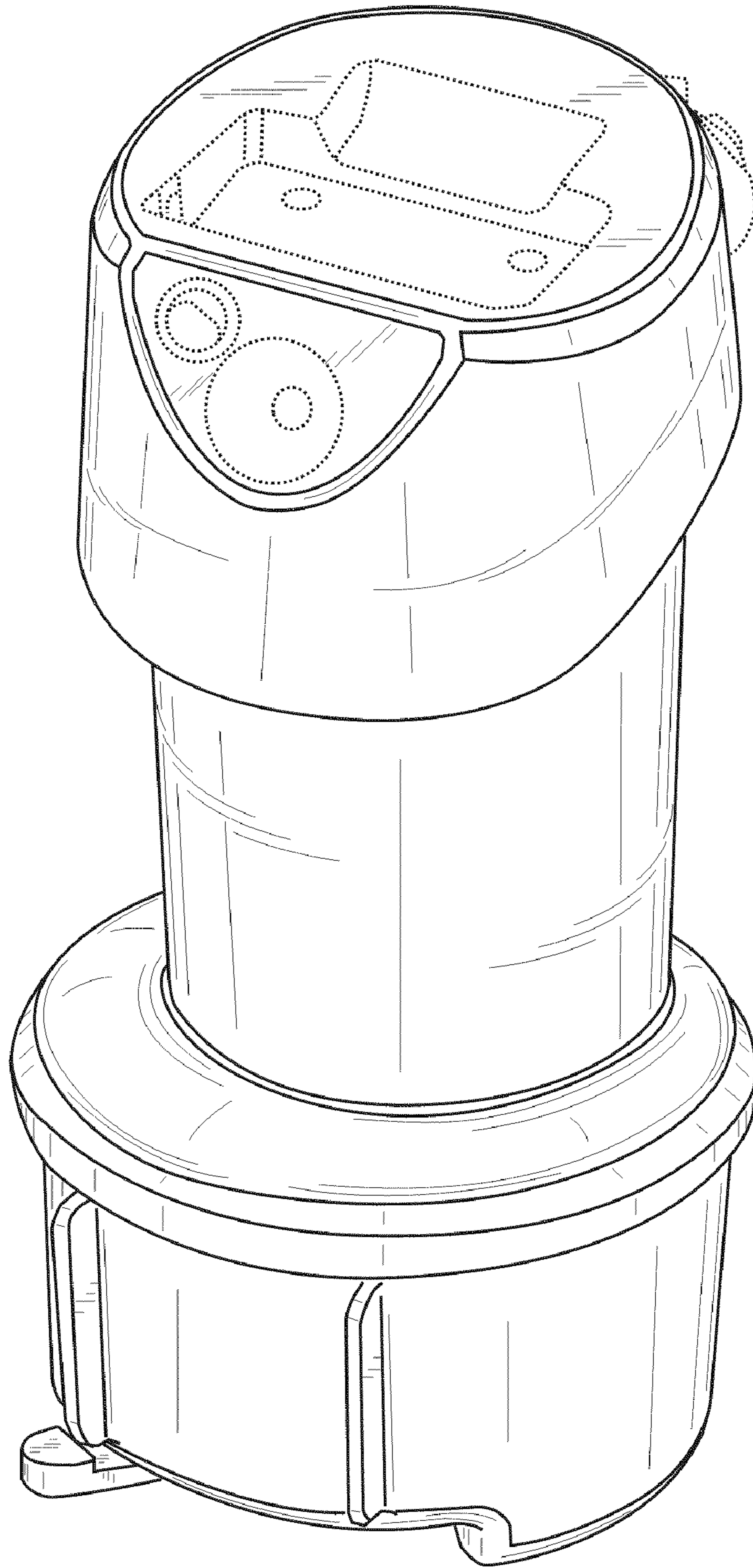
FIG. 6 is a top view thereof; and,

FIG. 7 is a bottom view thereof.

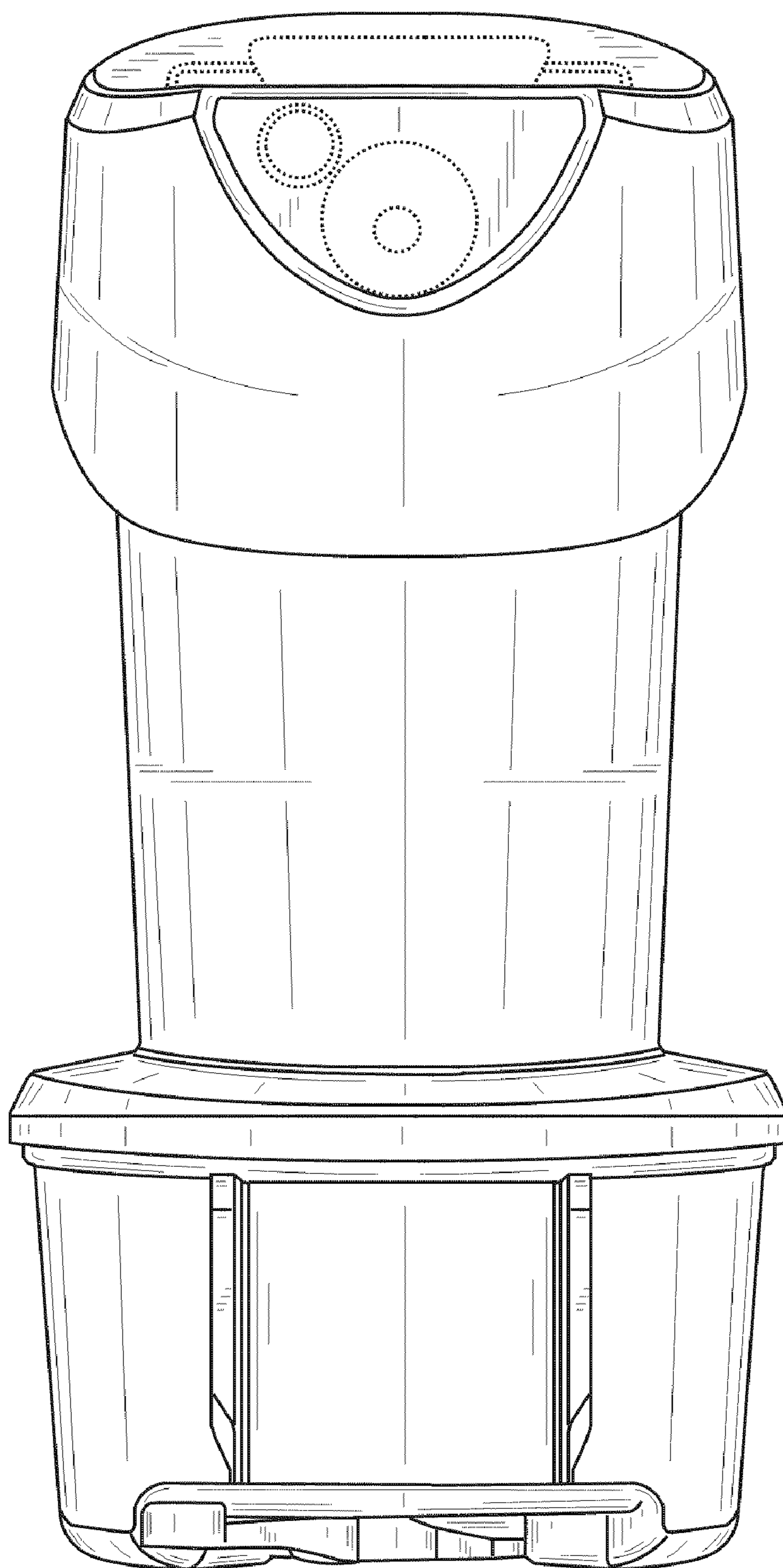
The details shown in broken lines form no part of the claimed design.

**1 Claim, 6 Drawing Sheets**



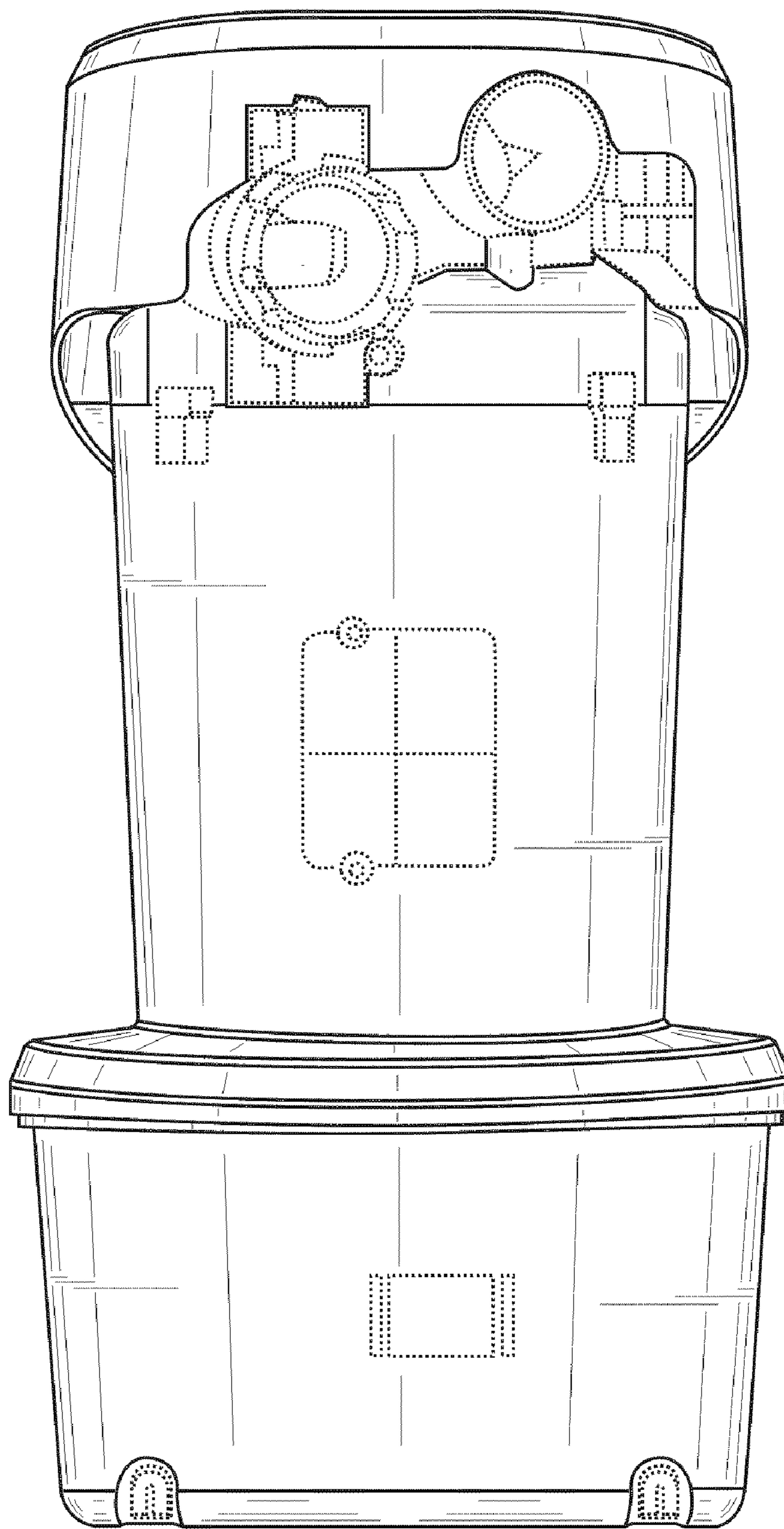


**Fig. 1**

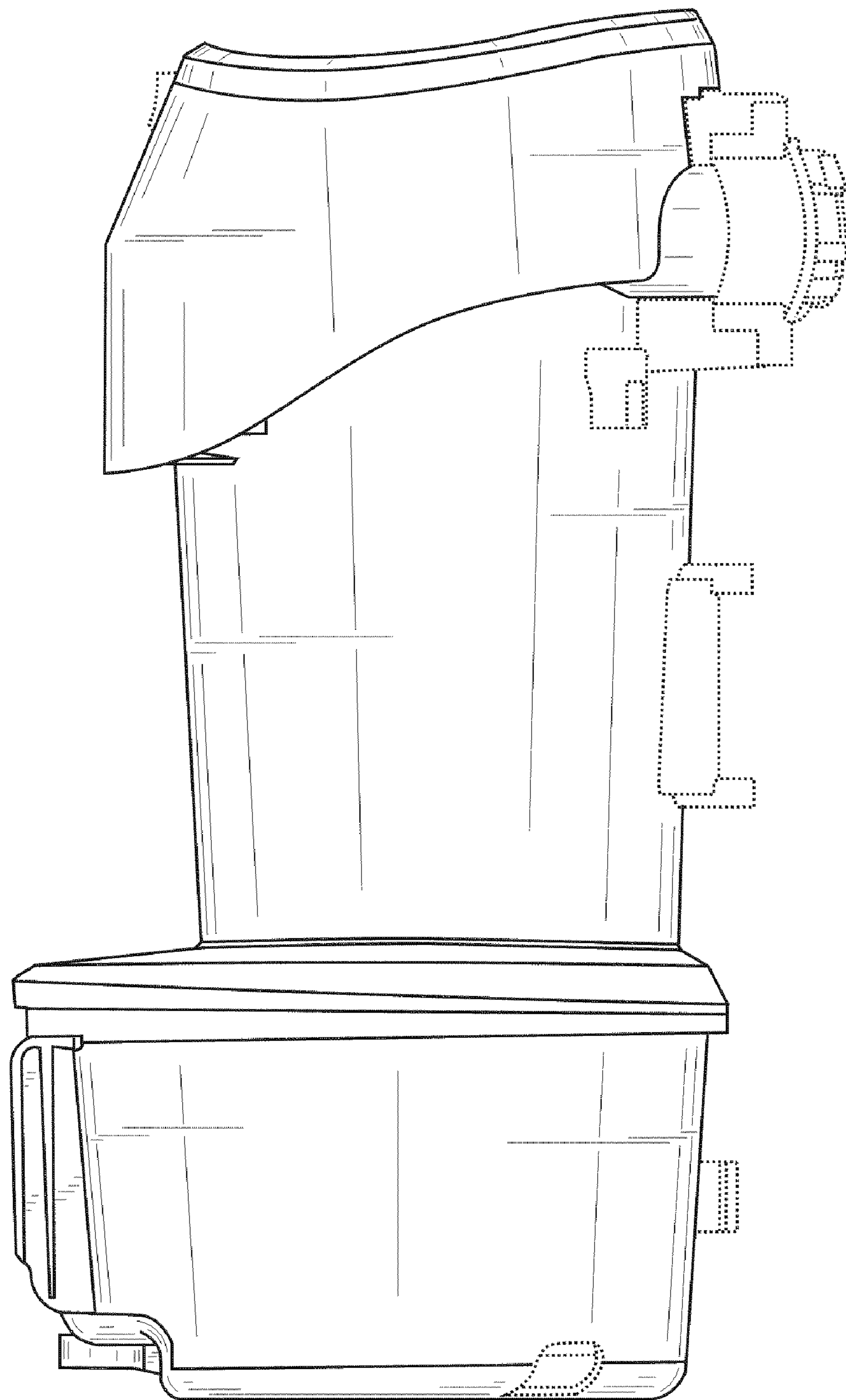


**Fig. 2**

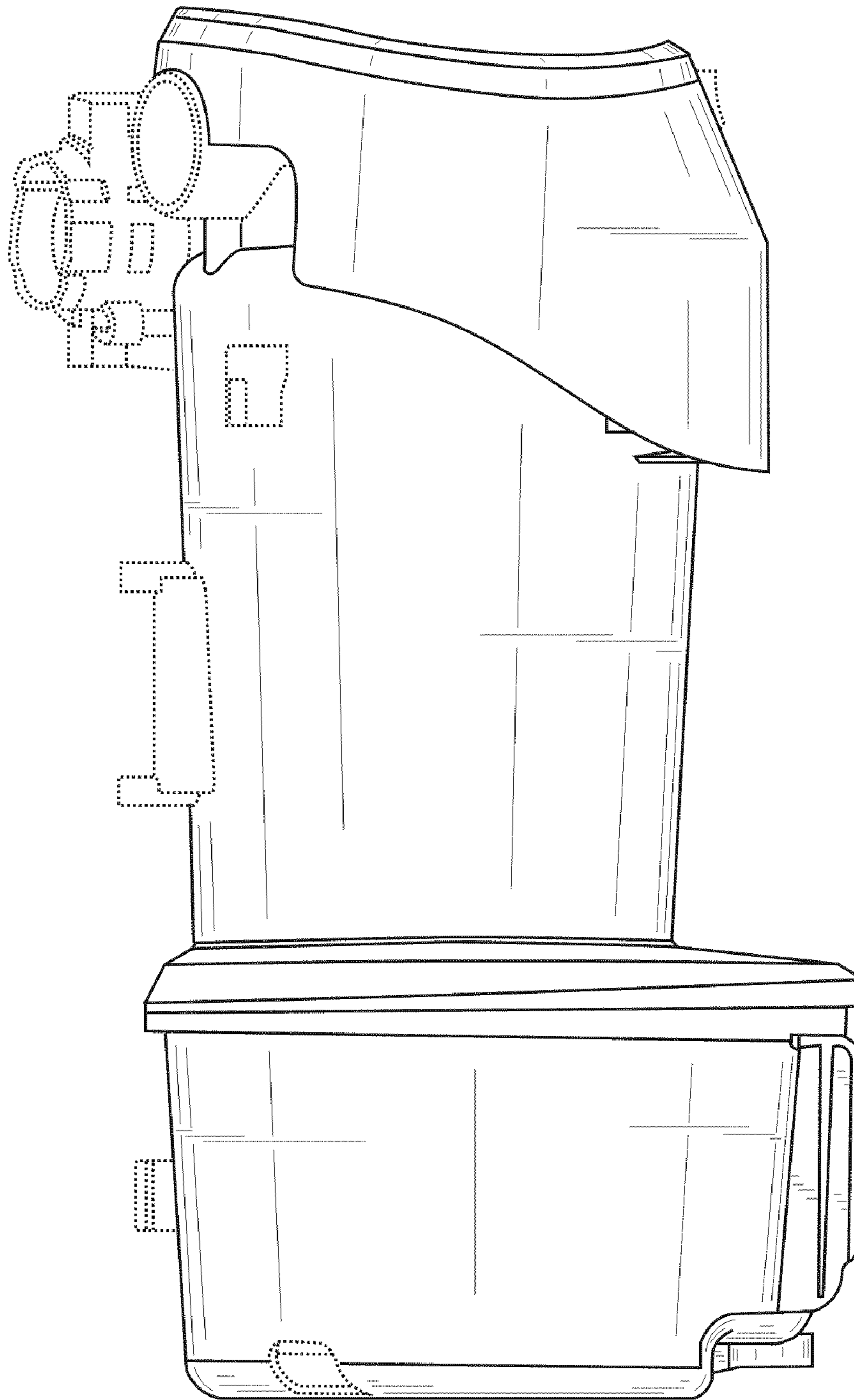




**Fig. 3**

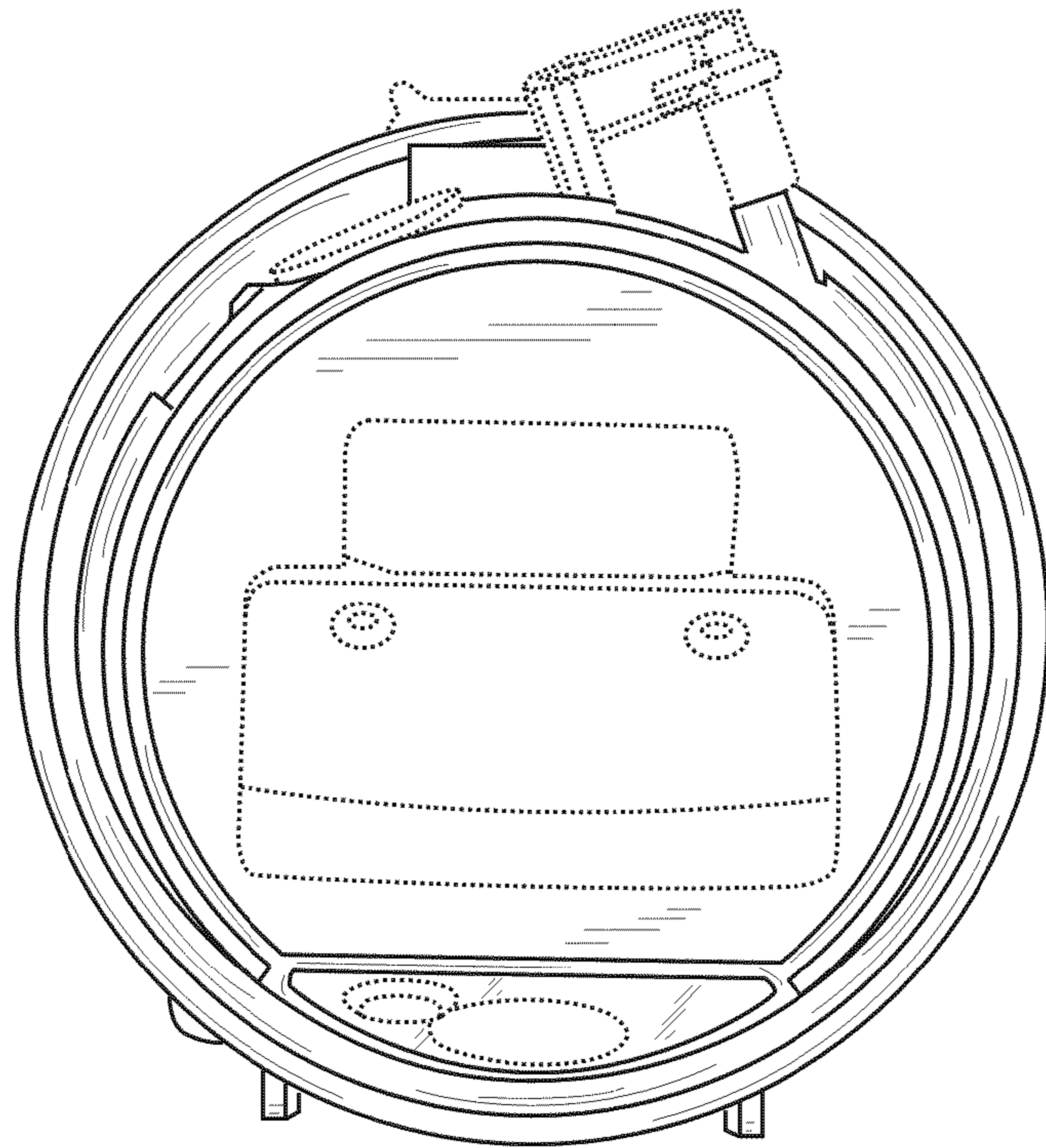


**Fig. 4**

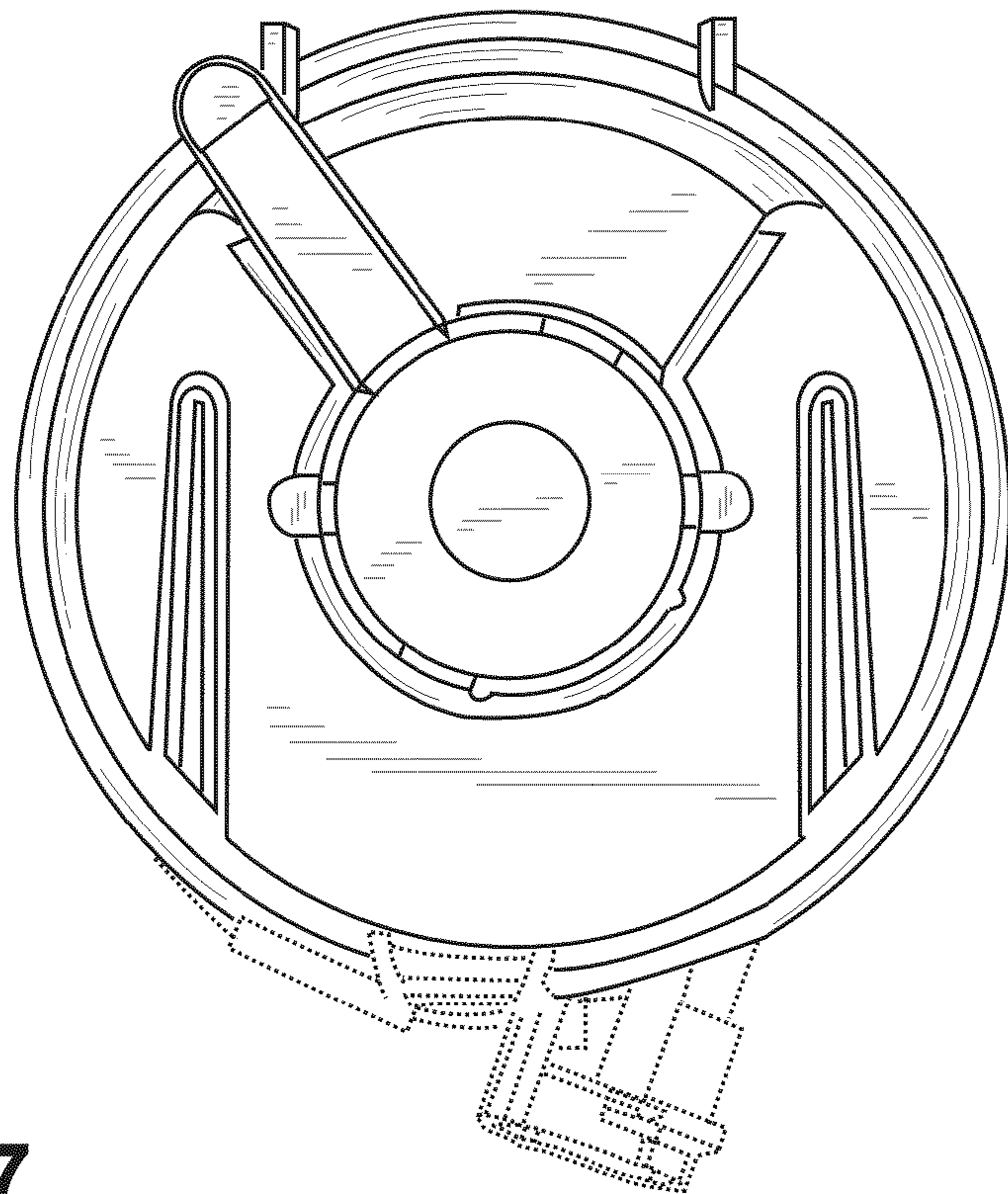


**Fig. 5**





**Fig. 6**



**Fig. 7**