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

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(54) **CYCLONE MODULE FOR VACUUM CLEANER**

(75) Inventors: **Adam G. Carr**, Ada, MI (US); **Michael Luyckx**, Ada, MI (US); **Douglas J. Medema**, Belding, MI (US); **Lawrence Chun-Hei Chu**, Shenzhen (CN); **Wendy Hui Wu**, Guangdong (CN)

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

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

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(51) **LOC (9) Cl.** ..... **15-05**

(52) **U.S. Cl.** ..... **D32/21**

(58) **Field of Classification Search** ..... D32/21-24, D32/31; 15/327.1-327.7, 329, 412, 320-321; 55/DIG. 3, 345, 357, 429, 271; 95/271  
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D445,226	S	*	7/2001	Jupp	.....	D32/21
D484,286	S	*	12/2003	Dyson et al.	.....	D32/24
D518,611	S	*	4/2006	Hare	.....	D32/21
D552,310	S	*	10/2007	Shin	.....	D32/21

D555,849	S	*	11/2007	Choi et al.	.....	D32/21
D555,851	S	*	11/2007	Shin et al.	.....	D32/21
D555,852	S	*	11/2007	Shin et al.	.....	D32/21
D556,962	S	*	12/2007	Choi et al.	.....	D32/21
D557,470	S	*	12/2007	Choi et al.	.....	D32/21
7,380,308	B2	*	6/2008	Oh et al.	.....	15/327.2
D594,162	S	*	6/2009	Knox et al.	.....	D32/21
7,555,808	B2	*	7/2009	Oh et al.	.....	15/327.2

\* cited by examiner

*Primary Examiner* — Ruth McInroy

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

(57) **CLAIM**

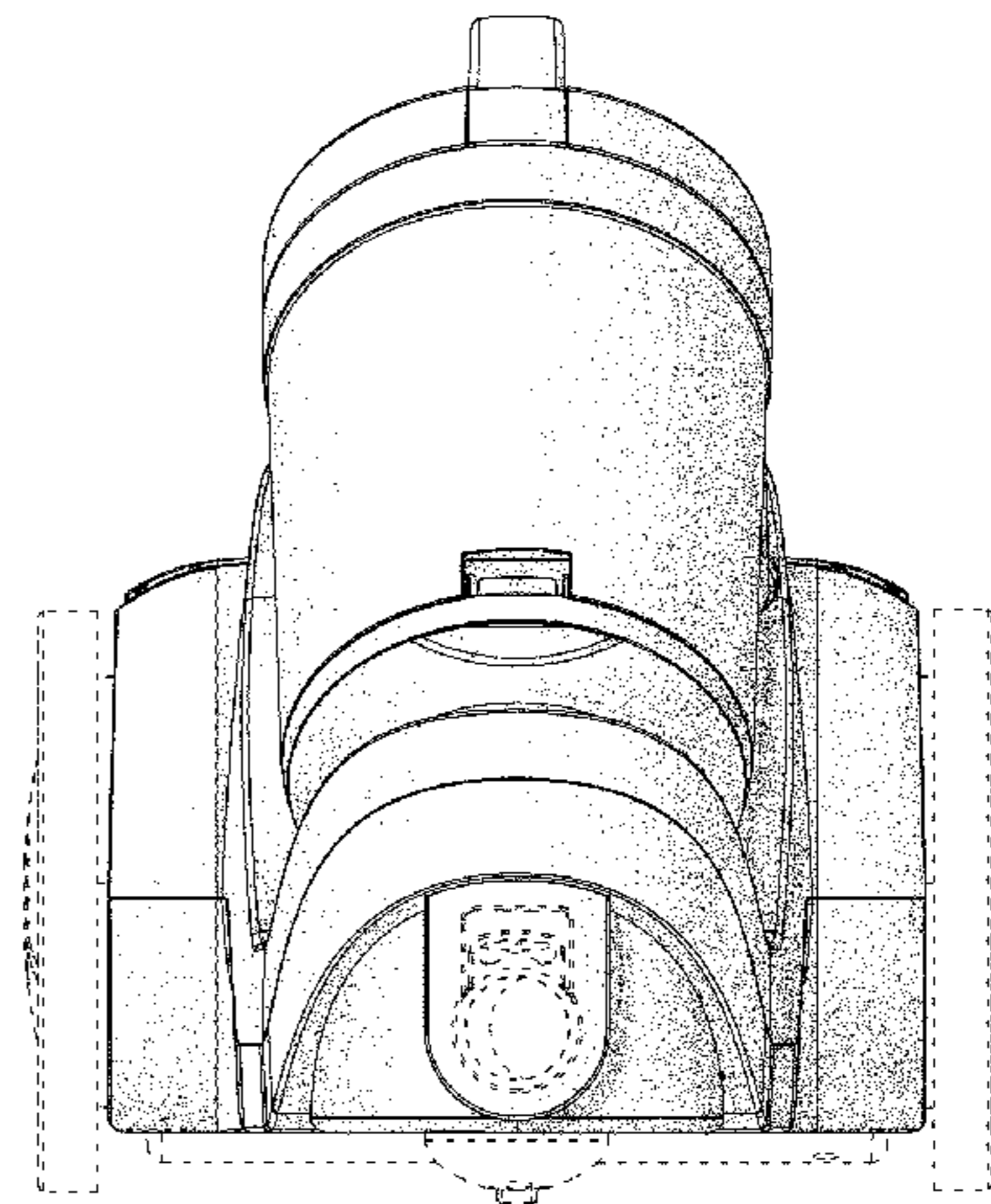
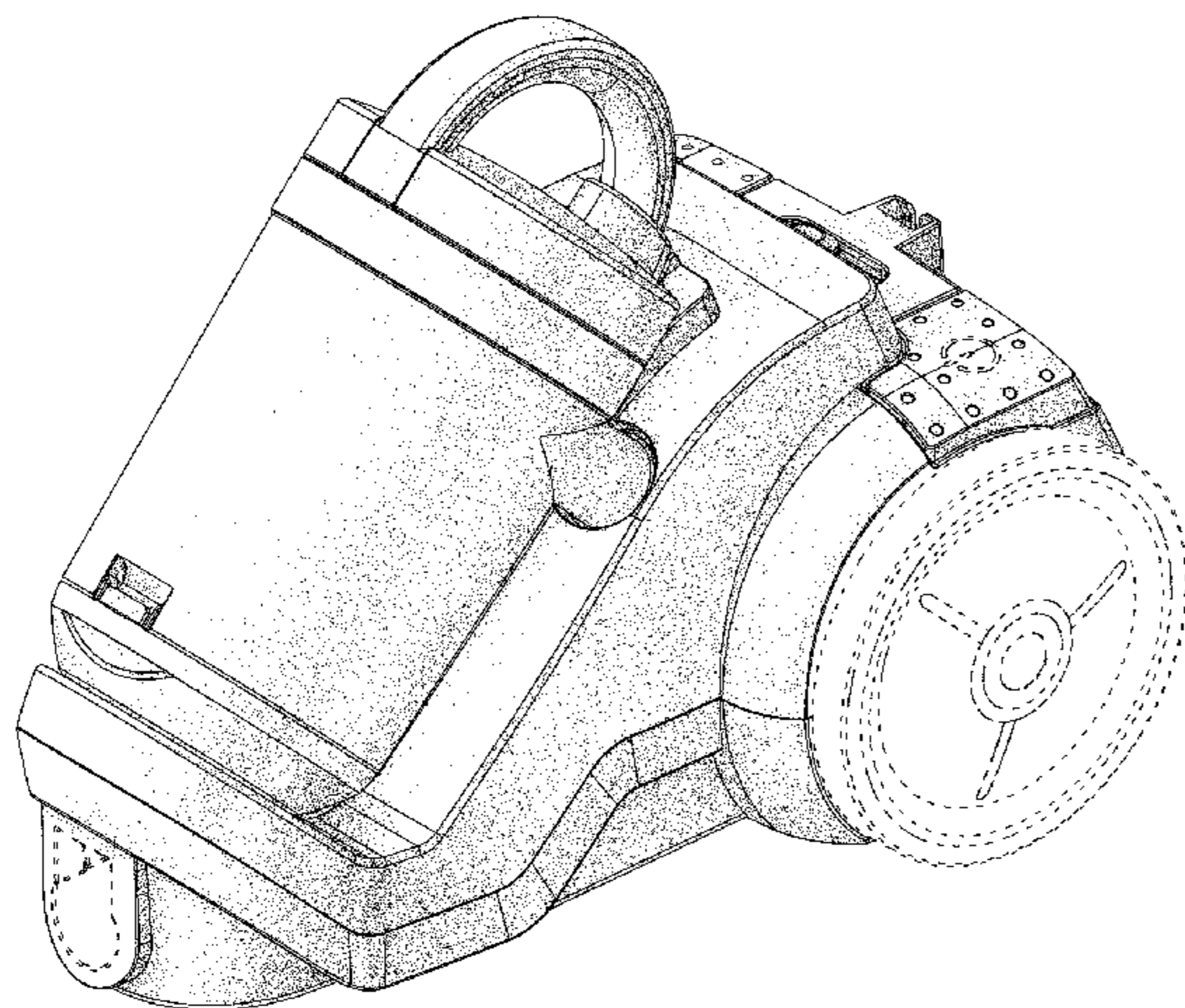
The ornamental design for a cyclone module for vacuum cleaner, as shown and described.

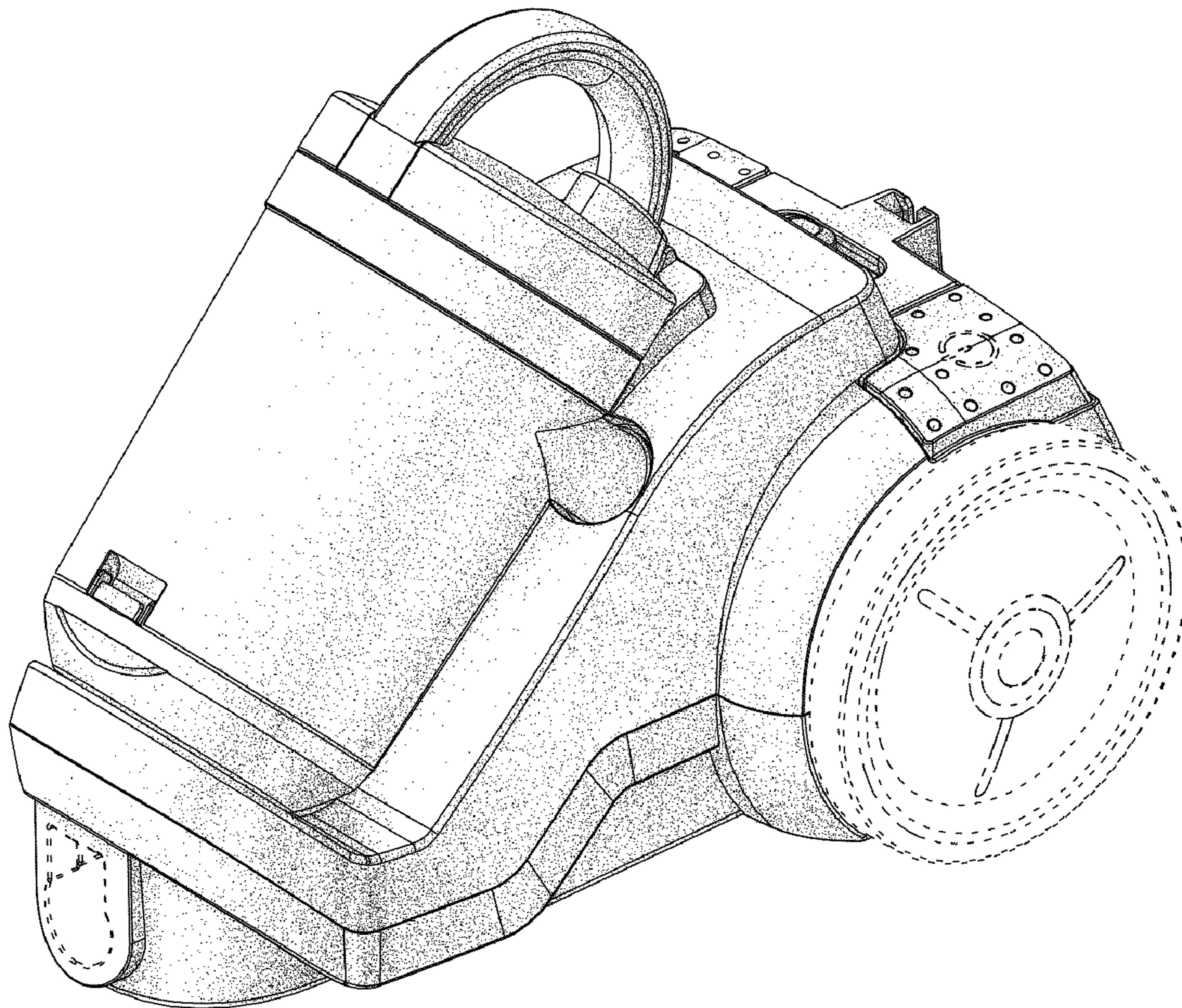
**DESCRIPTION**

FIG. 1 is a front perspective view of a cyclone module for vacuum cleaner which embodies our design; FIG. 2 is a front view thereof; FIG. 3 is a rear view thereof; FIG. 4 is a left side view thereof; FIG. 5 is a right side view thereof; 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, 4 Drawing Sheets**





**Fig. 1**

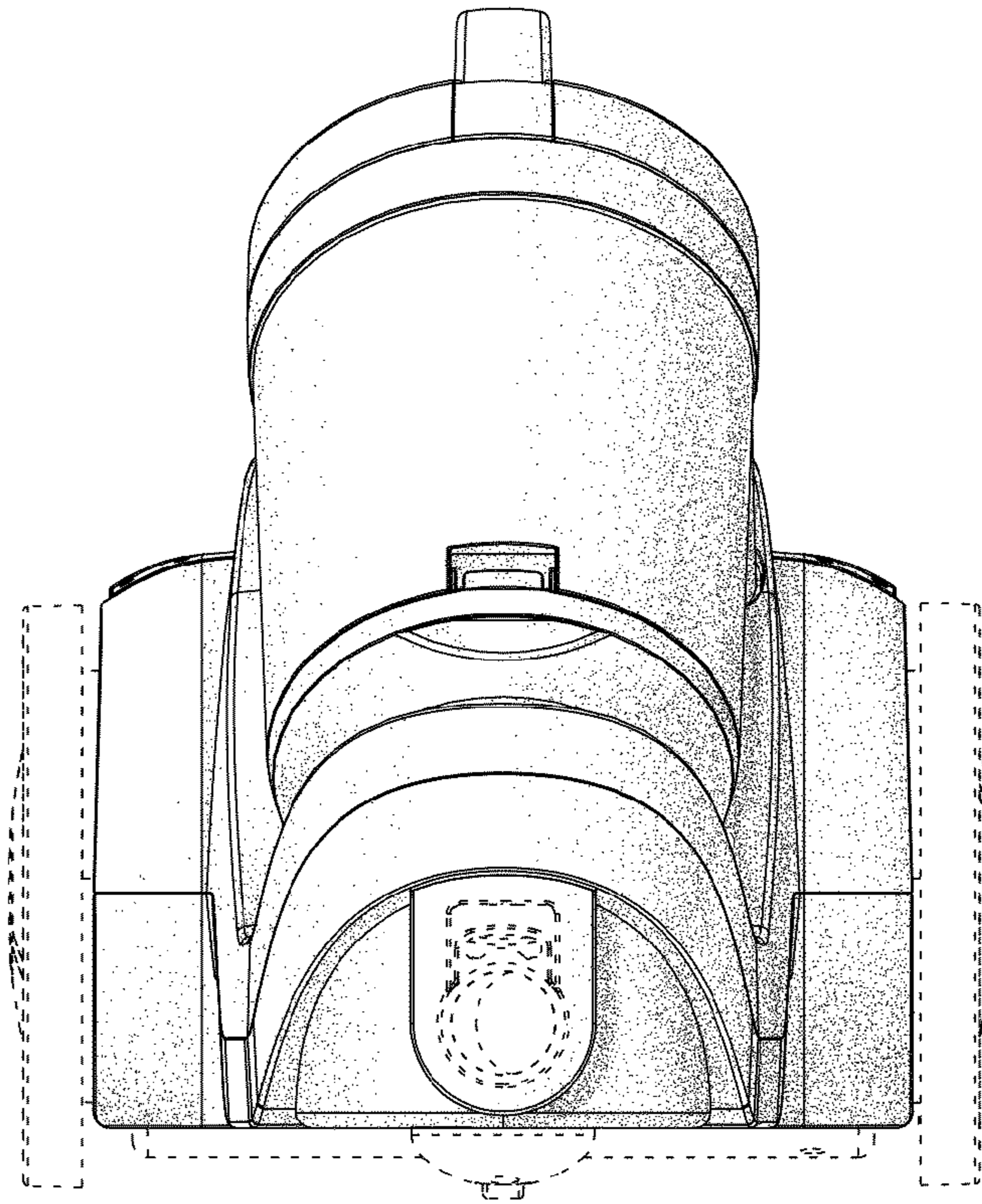


Fig. 2

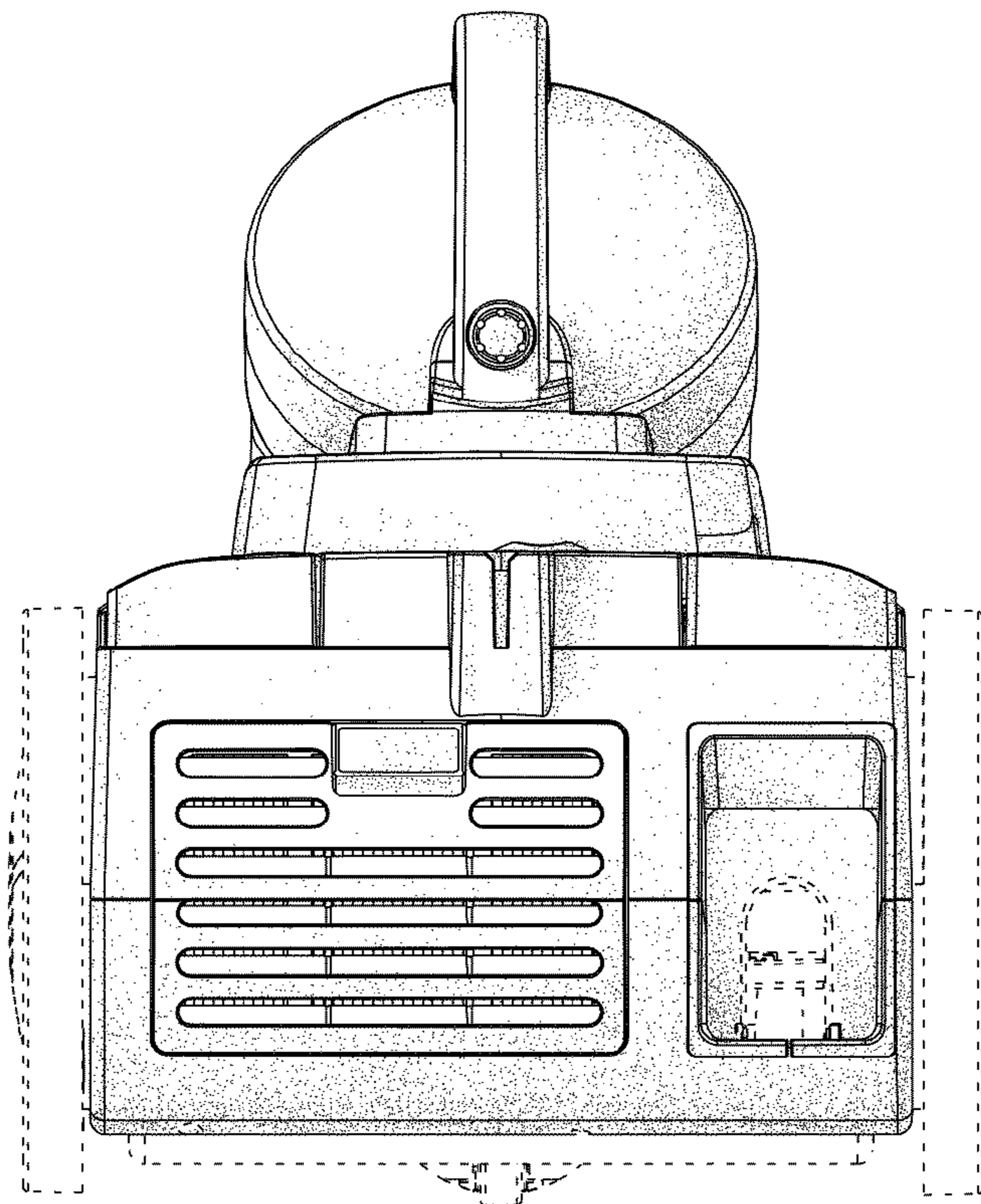
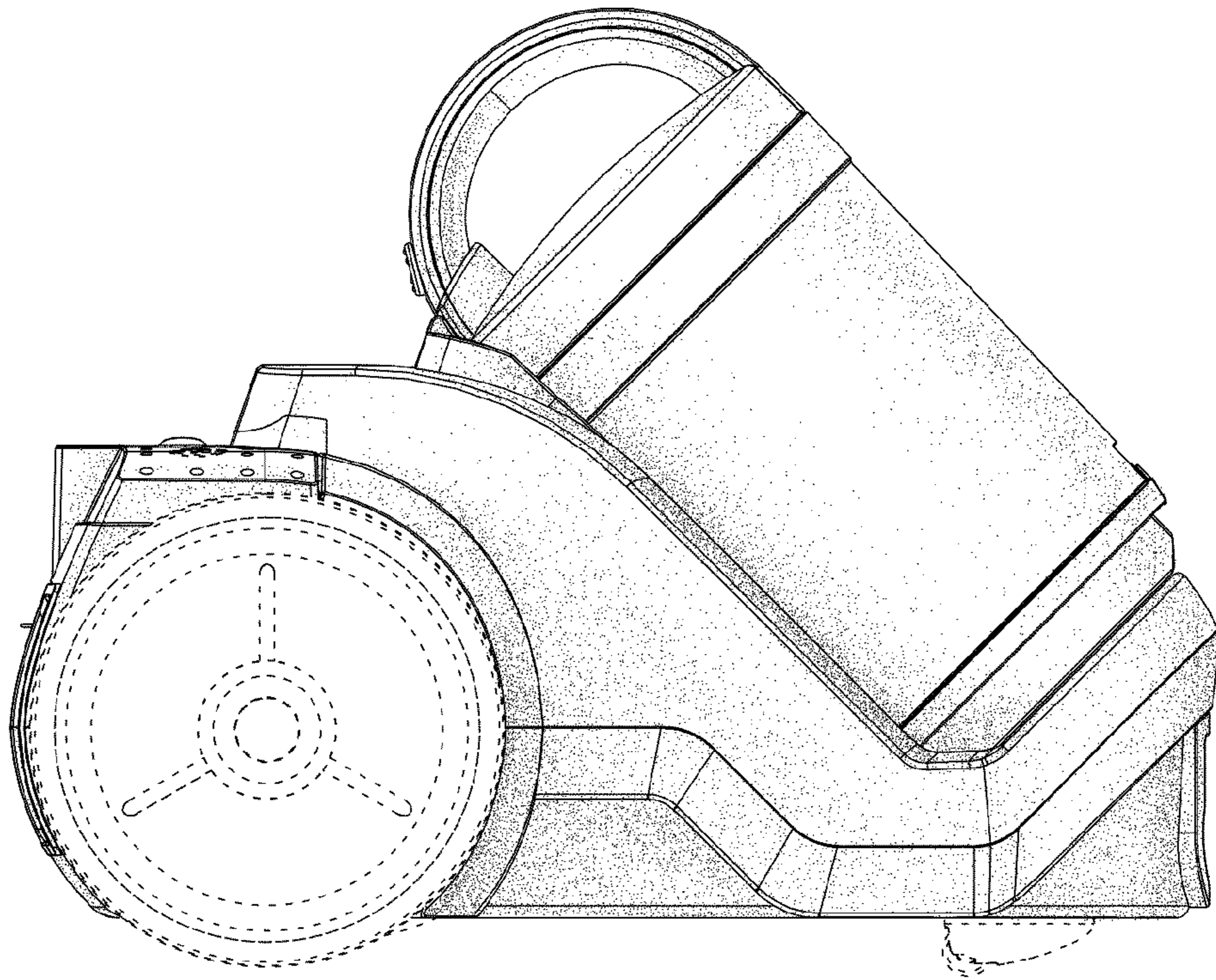
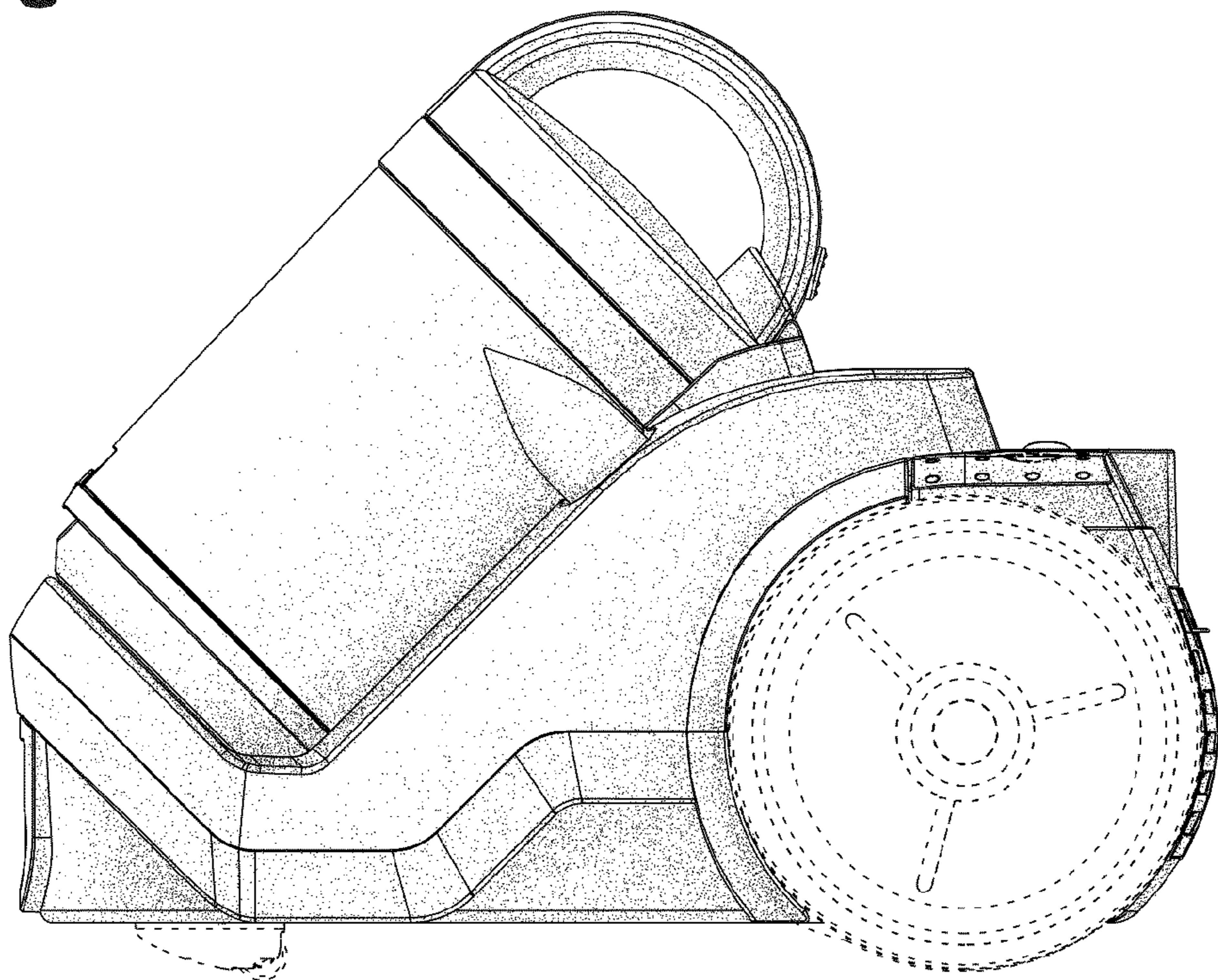


Fig. 3



**Fig. 4**



**Fig. 5**

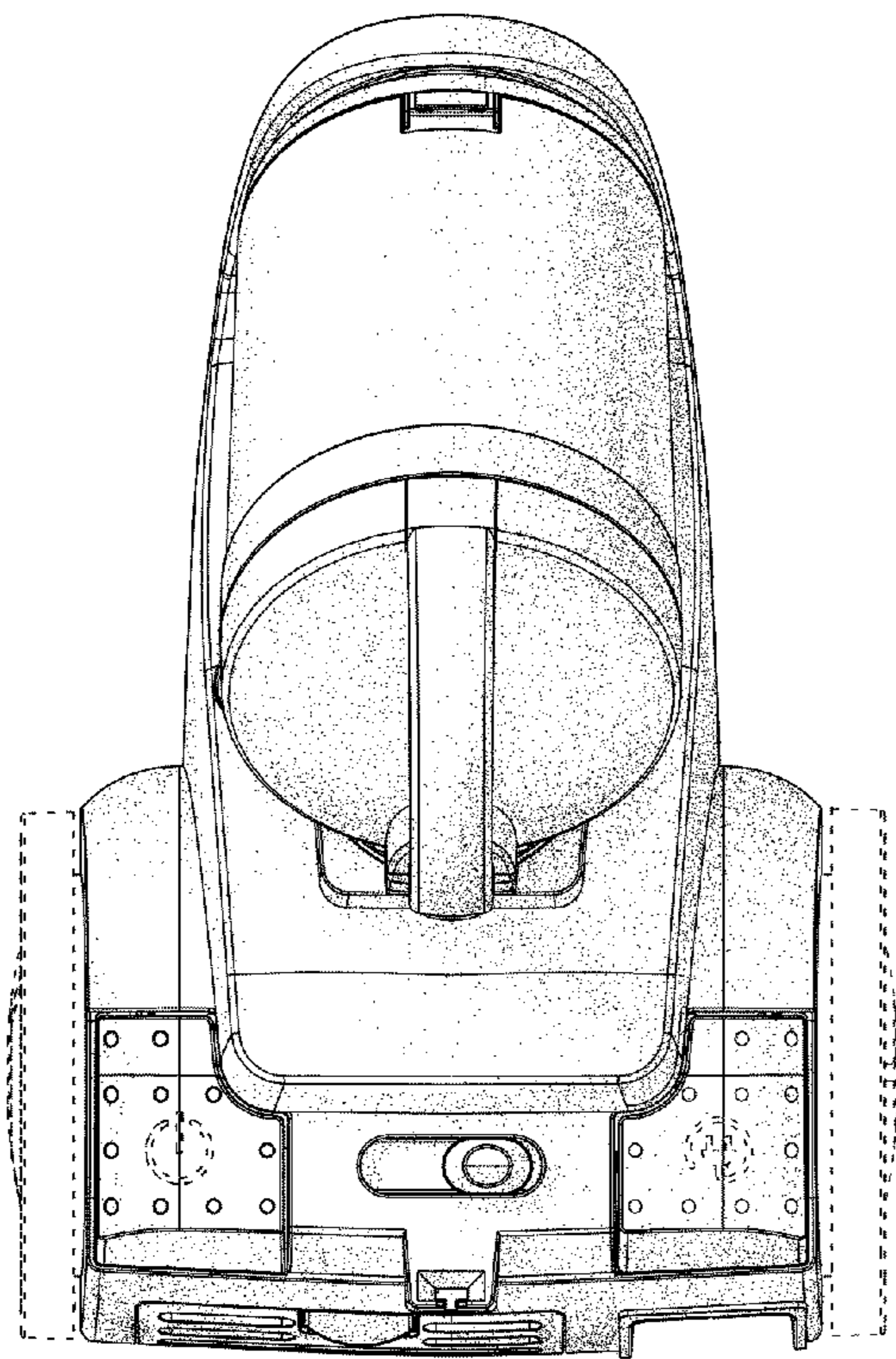


Fig. 6

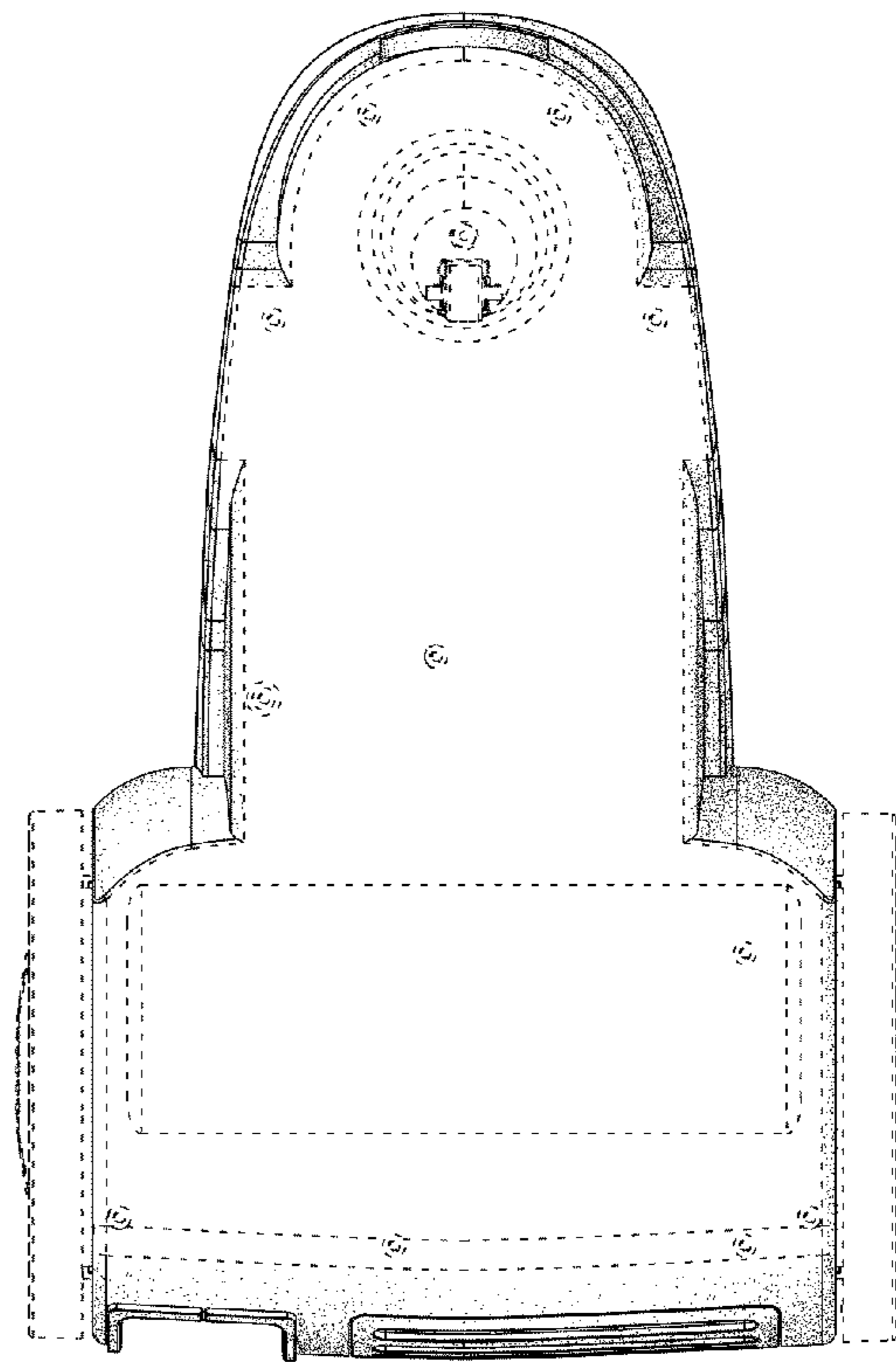


Fig. 7