



US00D686377S

(12) **United States Design Patent**
Thorne

(10) **Patent No.:** **US D686,377 S**
(45) **Date of Patent:** **** Jul. 16, 2013**

(54) **CLEANING APPARATUS**

(75) Inventor: **Jason Boyd Thorne**, New Territories
(HK)

(73) Assignee: **Euro-Pro Operating LLC**, Newton,
MA (US)

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

(21) Appl. No.: **29/415,154**

(22) Filed: **Mar. 8, 2012**

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

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

(58) **Field of Classification Search**
USPC D32/22, 30-31, 34; 55/429, 337,
55/DIG. 3; 15/410, 347, 328, 350, 352, 353,
15/361, DIG. 8, 246.2, 320
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D400,324 S	10/1998	Bobrosky et al.	
D435,945 S	1/2001	Ikeno et al.	
D455,876 S	4/2002	Arney et al.	
D473,981 S	4/2003	Warcham	
D475,820 S	6/2003	Dyson et al.	
D481,180 S	10/2003	Fujii	
D487,172 S	2/2004	Oh et al.	
D494,719 S *	8/2004	Rosenzweig et al.	D32/31
D510,465 S *	10/2005	Takahashi et al.	D32/22
D516,259 S	2/2006	Richardson et al.	
D518,928 S	4/2006	Chiba	
D521,699 S *	5/2006	Greene et al.	D32/22
D531,770 S	11/2006	Luebbering et al.	
D532,168 S	11/2006	Elrod	

D532,943 S	11/2006	Haranaka	
D532,944 S *	11/2006	Choi	D32/22
D533,976 S	12/2006	Luebbering et al.	
D535,069 S *	1/2007	Breit	D32/22
D535,070 S	1/2007	Shin	
D537,584 S *	2/2007	Greene et al.	D32/22
D537,994 S	3/2007	Leyden	
D541,497 S	4/2007	Elrod	
7,462,210 B2 *	12/2008	Lee	55/311
D587,870 S	3/2009	Baek et al.	
7,517,377 B2 *	4/2009	Yoshida et al.	55/304
D597,917 S	8/2009	Chung	
D609,416 S *	2/2010	Hill et al.	D32/31
D609,418 S *	2/2010	Santiago et al.	D32/31
D611,210 S *	3/2010	Conrad et al.	D32/31
D612,114 S	3/2010	Ikeno	

(Continued)

Primary Examiner — Ruth McInroy

(74) *Attorney, Agent, or Firm* — Iandiorio Teska & Coleman
LLP

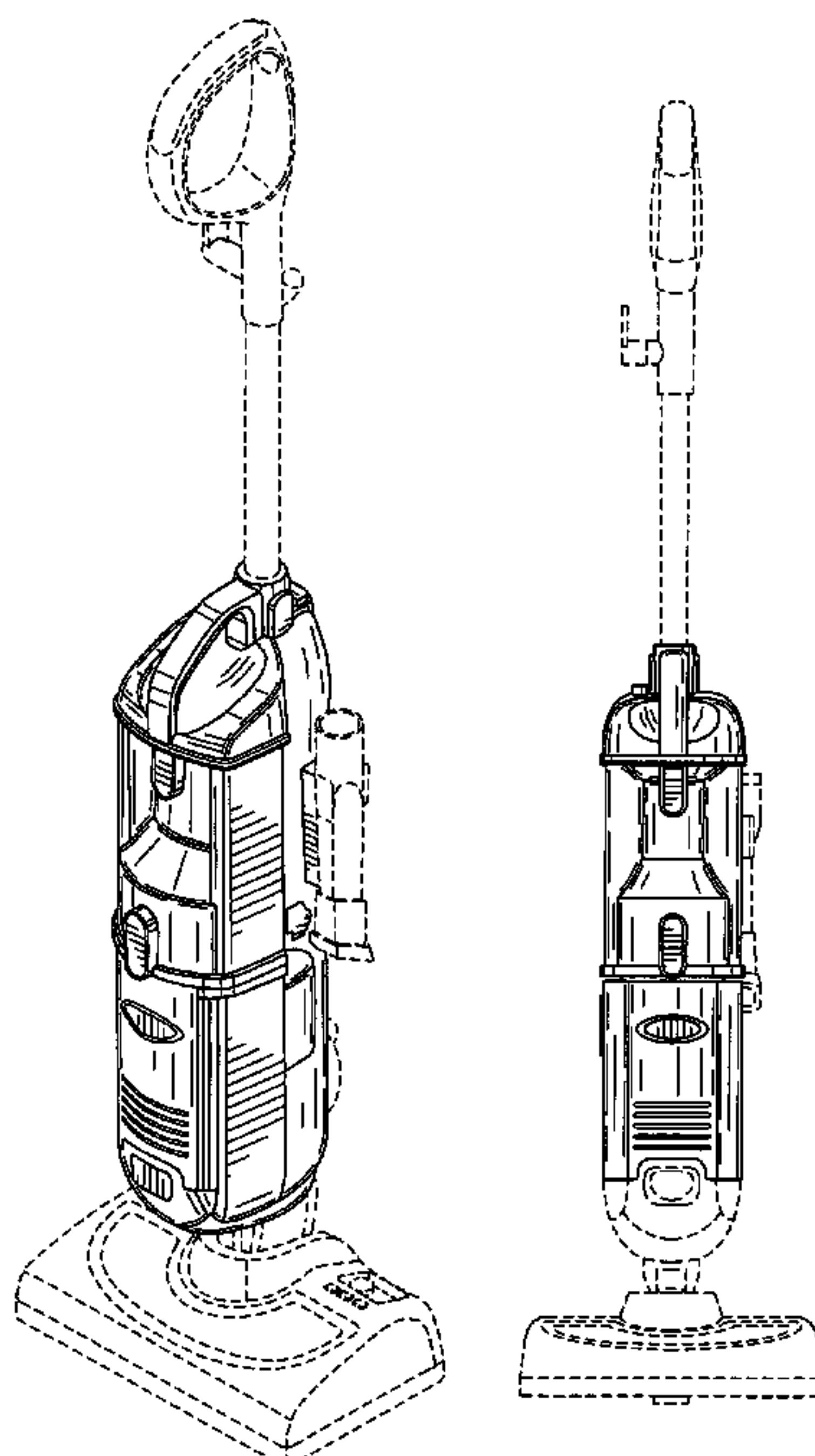
(57) **CLAIM**

I claim the ornamental design for a cleaning apparatus, as
shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a cleaning apparatus in accordance with the present design;
FIG. 2 is a front perspective view thereof;
FIG. 3 is a rear perspective view thereof;
FIG. 4 is a left side elevational view thereof;
FIG. 5 is a right side elevational view thereof;
FIG. 6 is a top plan view thereof; and,
FIG. 7 is a bottom plan view thereof.
The broken lines are for illustrative purposes only and form
no part of the claimed design.

1 Claim, 3 Drawing Sheets



U.S. PATENT DOCUMENTS													
D631,628	S	*	1/2011	Benacquisto et al.	.....	D32/31	D662,271	S	*	6/2012	Conrad et al.	.....	D32/31
D632,035	S	*	2/2011	Luyckx et al.	.....	D32/31	D662,272	S	*	6/2012	Conrad et al.	.....	D32/31
D632,036	S	*	2/2011	McNeil et al.	.....	D32/31	8,268,029	B2	*	9/2012	Yoo	.....	55/337
D632,037	S		2/2011	Carr et al.			2011/0219574	A1	*	9/2011	Conrad	.....	15/347
D637,777	S		5/2011	Fiorino et al.			2011/0219575	A1	*	9/2011	Conrad	.....	15/347
8,032,983	B2	*	10/2011	Griffith et al.	.....	15/347	2011/0219580	A1	*	9/2011	Conrad	.....	15/410
D648,087	S		11/2011	Park et al.			* cited by examiner						

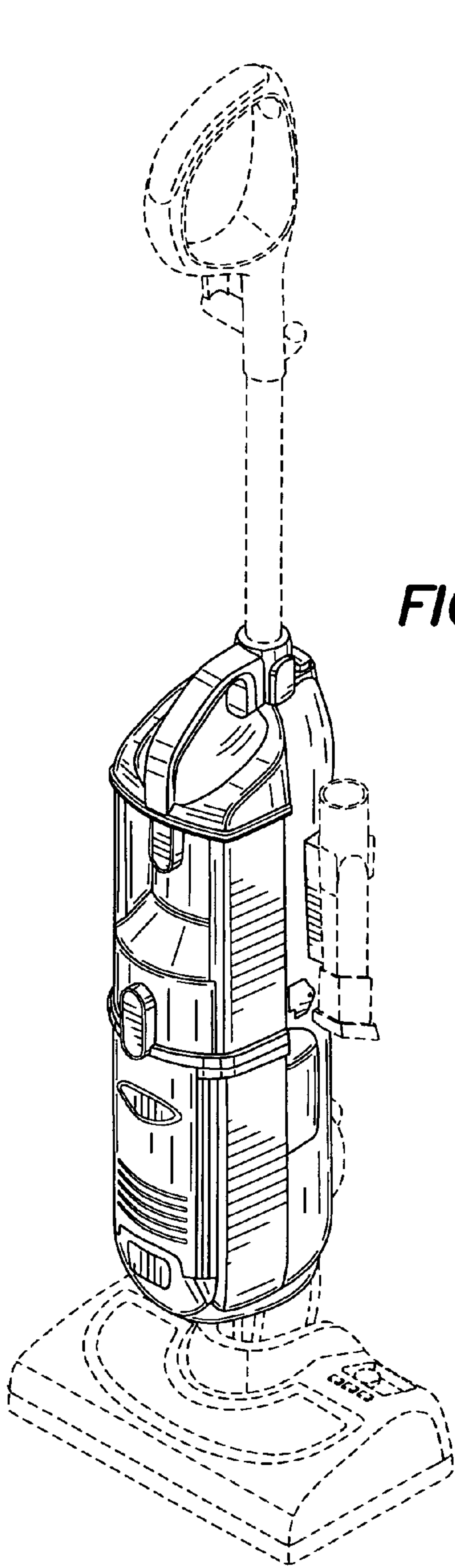


FIG. 1

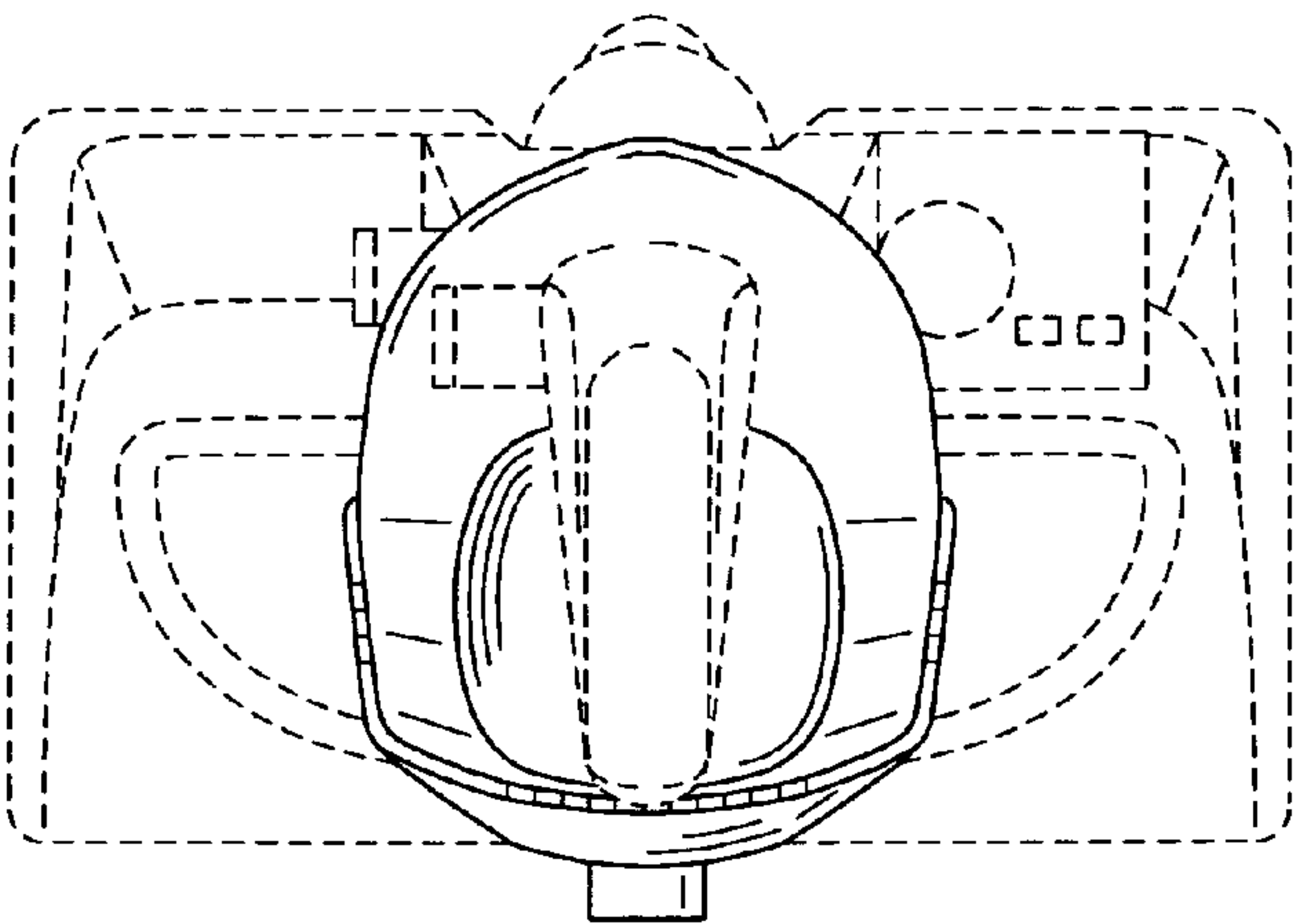


FIG. 6

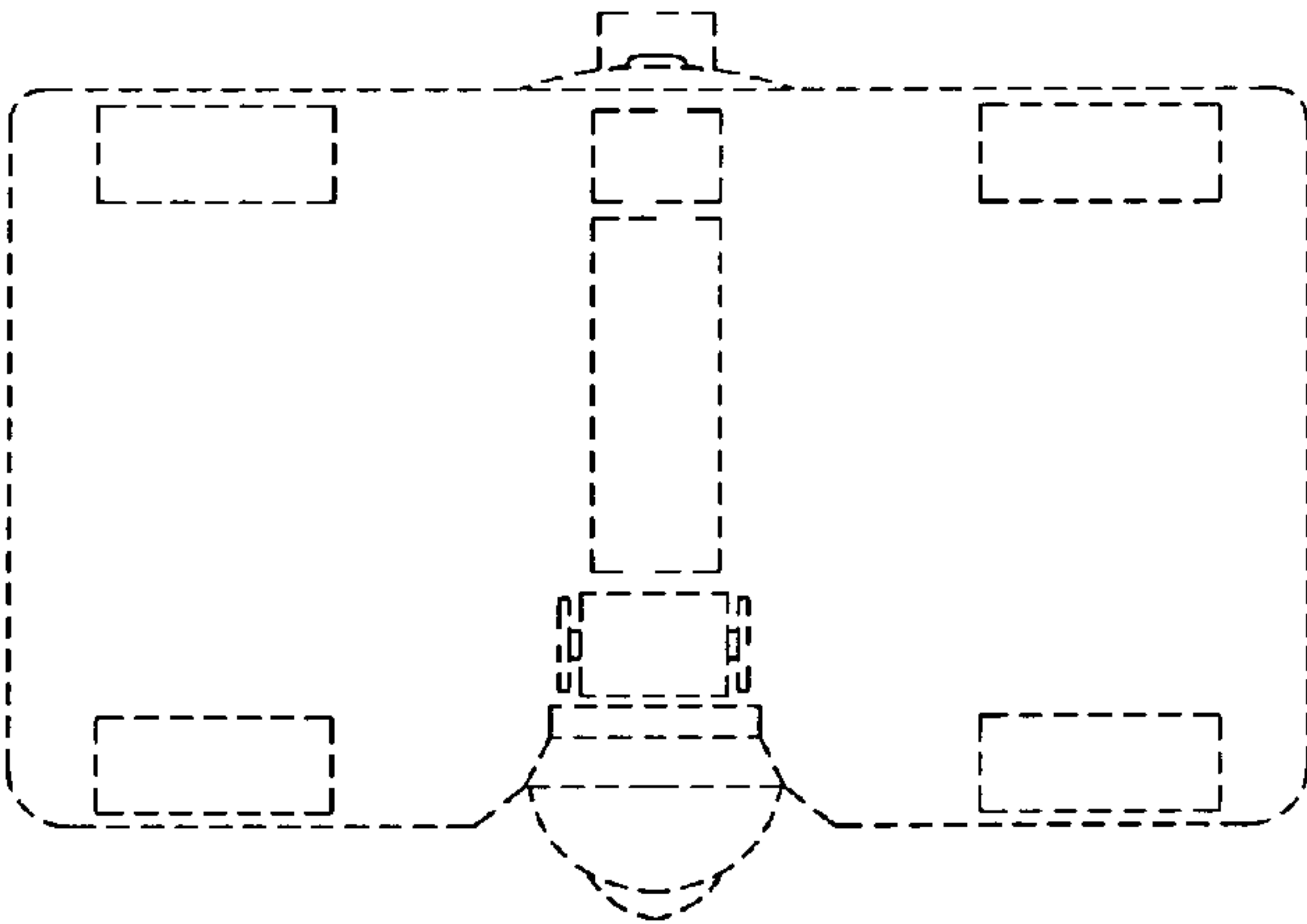


FIG. 7

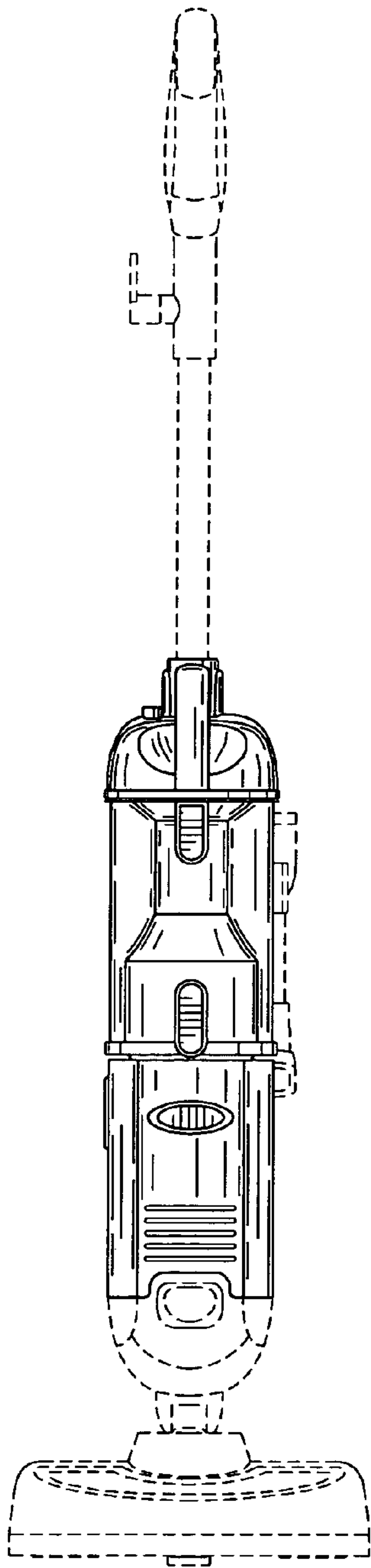


FIG. 2

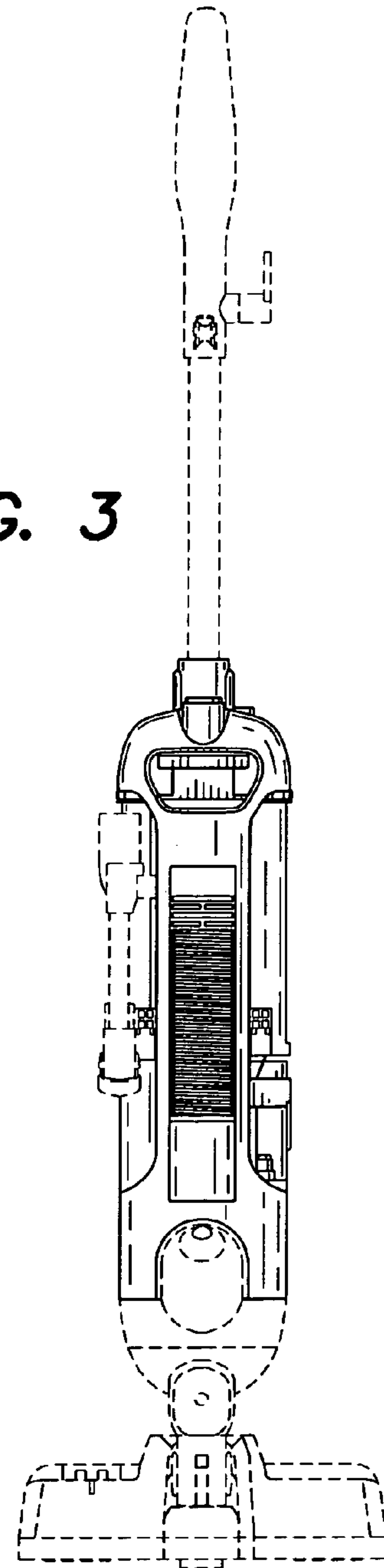


FIG. 3

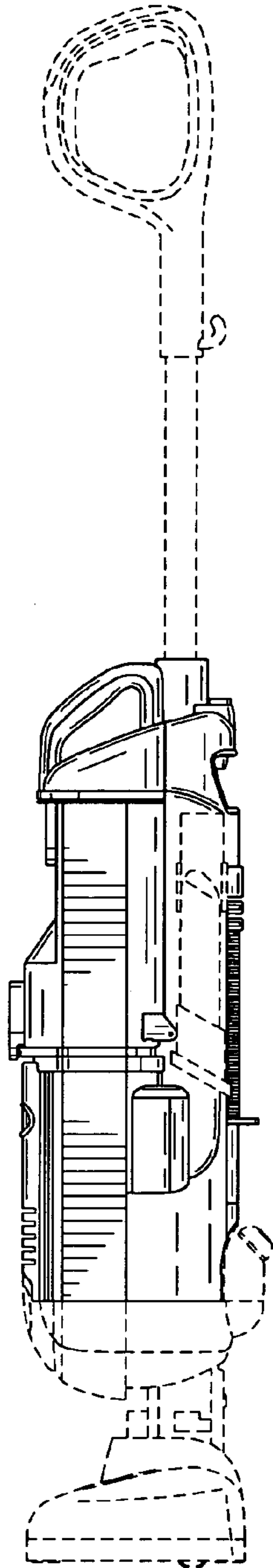


FIG. 4

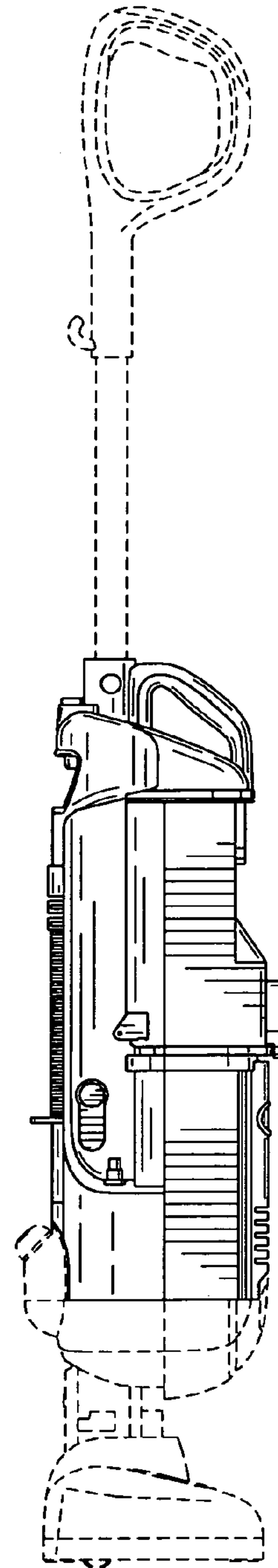


FIG. 5