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

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(54) **VACUUM CLEANER**

D910,945 S \* 2/2021 Miller ..... D32/31  
10,966,586 B2 \* 4/2021 Luyckx ..... A47L 11/4083  
10,986,968 B2 \* 4/2021 Kasper ..... A47L 9/16

(Continued)

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FOREIGN PATENT DOCUMENTS

CN 302726068 \* 1/2014  
CN 302974171 \* 10/2014

(Continued)

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

(\*\*) Term: **15 Years**

OTHER PUBLICATIONS

(21) Appl. No.: **29/683,975**

Bissell 2259 2252 Vacuum Repair, announced in YouTube on Dec. 14, 2019 [online], [site visited Jan. 12, 2021], Available from the internet URL: <https://www.youtube.com/watch?v=H9QG2BWysXw> (Year: 2019).\*

(Continued)

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(51) **LOC (13) Cl.** ..... **15-05**

(52) **U.S. Cl.**  
USPC ..... **D32/22**

(58) **Field of Classification Search**  
USPC ..... D32/17, 18, 21, 22, 23, 24, 31; D21/526  
CPC ..... A46B 9/06; A47L 5/24; A47L 5/28; A47L 5/30; A47L 5/34; A47L 7/0004; A47L 9/04; A47L 9/325; A47L 9/1683; A47L 11/302; A47L 11/34; A47L 11/4005; A47L 11/4008; A47L 11/4016; A47L 11/4041; A47L 11/4044; A47L 11/4088; A47L 13/225; B04C 5/185; B08B 3/04; B23Q 11/0046; B23Q 11/0071; E04H 4/1636

See application file for complete search history.

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(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a front perspective view of a vacuum cleaner showing our new design;

FIG. 2 is a front view thereof;

FIG. 3 is a left side view thereof;

FIG. 4 is a right side view thereof;

FIG. 5 is an enlarged top view of the vacuum cleaner;

FIG. 6 is an enlarged front perspective view of a lower portion of the vacuum cleaner shown in FIG. 1; and,

FIG. 7 is an enlarged front view of a lower portion of the vacuum cleaner shown in FIG. 2.

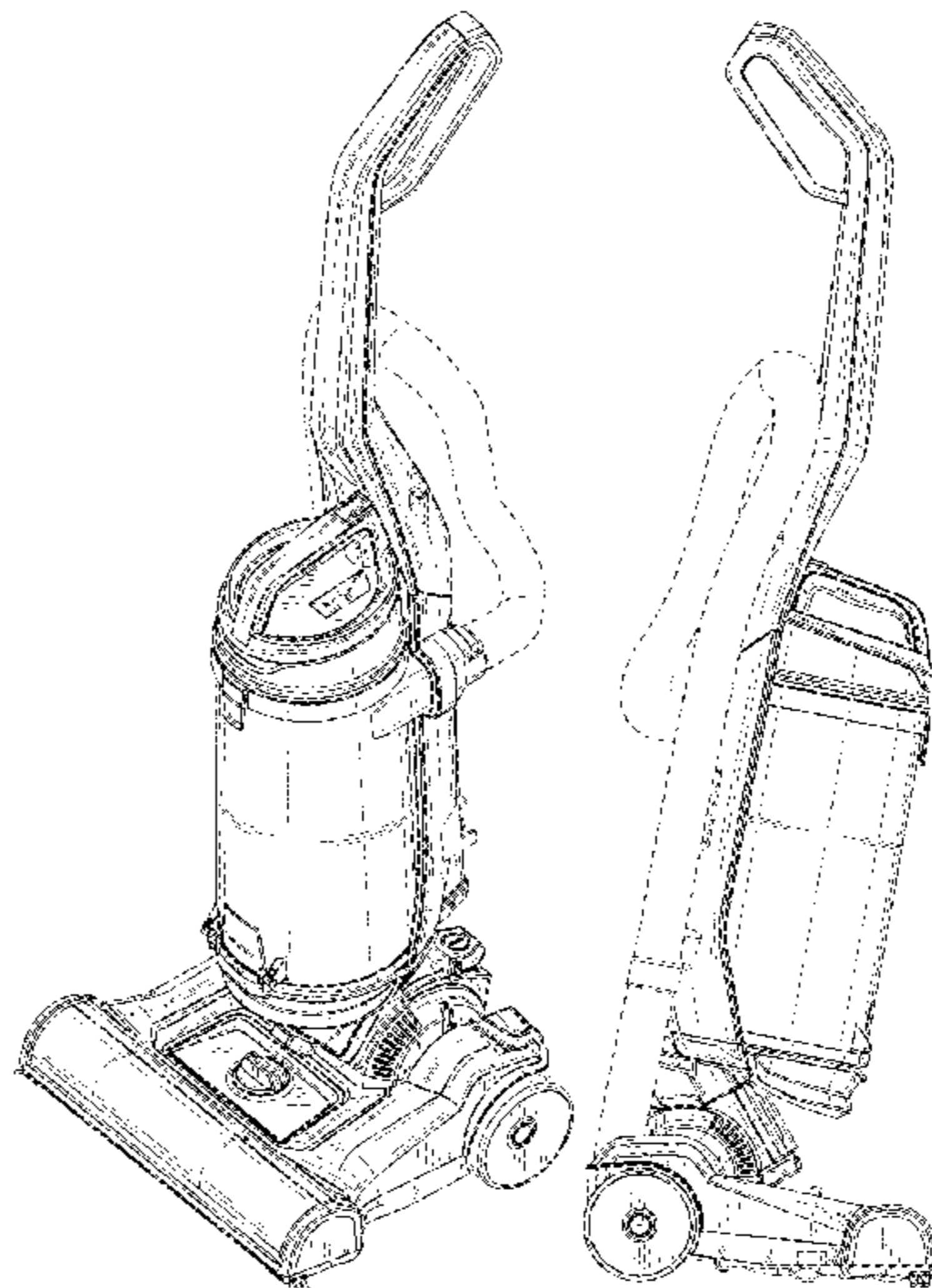
The details of the vacuum cleaner shown in broken lines form no part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D722,410 S \* 2/2015 Raven ..... D32/31  
D730,604 S \* 5/2015 Luedke ..... D32/31  
D759,919 S \* 6/2016 Smith ..... D32/31  
D789,626 S \* 6/2017 Bloemendaal ..... D32/22  
D821,047 S \* 6/2018 Wrobleski ..... D32/31  
D824,615 S \* 7/2018 Bloemendaal ..... D32/22  
10,791,900 B2 \* 10/2020 Tran ..... A47L 9/122  
10,820,769 B2 \* 11/2020 Xia ..... A47L 11/4041  
10,827,888 B2 \* 11/2020 Morrow ..... A47L 9/04

**1 Claim, 7 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

11,019,966	B2 *	6/2021	Ashbaugh	.....	A47L 11/34
2014/0013537	A1 *	1/2014	Kasper	.....	A47L 9/1683 15/353
2014/0196247	A1 *	7/2014	Kasper	.....	A47L 5/30 15/347
2015/0059123	A1 *	3/2015	Kasper	.....	A47L 9/0633 15/383
2015/0074939	A1 *	3/2015	Cipolla	.....	A47L 5/30 15/354
2016/0037987	A1 *	2/2016	Caro	.....	A47L 9/04 15/334
2016/0270610	A1 *	9/2016	Kasper	.....	A47L 9/0411
2016/0367093	A1 *	12/2016	VanTongeren	.....	A47L 5/30
2017/0119225	A1 *	5/2017	Xia	.....	A47L 7/0014
2017/0215665	A1 *	8/2017	VanTongeren	.....	A47L 9/0488
2018/0110388	A1 *	4/2018	Xia	.....	A46B 13/001
2018/0177368	A1 *	6/2018	Acker	.....	A47L 9/165
2019/0059673	A1 *	2/2019	Tran	.....	A47L 9/26
2019/0159646	A1 *	5/2019	Luyckx	.....	A47L 11/4088
2019/0365182	A1 *	12/2019	Manning	.....	A47L 11/4036
2020/0253441	A1 *	8/2020	Acker	.....	A47L 9/165
2021/0045606	A1 *	2/2021	Xia	.....	A47L 11/18
2021/0052118	A1 *	2/2021	Morrow	.....	A47L 9/04
2021/0093143	A1 *	4/2021	Nguyen	.....	A47L 11/22
2021/0137332	A1 *	5/2021	Kasper	.....	A47L 9/0633
2021/0153708	A1 *	5/2021	Xia	.....	A47L 11/4008

FOREIGN PATENT DOCUMENTS

CN	303479948	*	12/2015
CN	303579405	*	2/2016
CN	303806074	*	8/2016

OTHER PUBLICATIONS

Eureka NEU182B, available in Amazon.com, customer review oldest date Feb. 4, 2020 [online], [site visited Jan. 12, 2021], Available from the internet URL: [https://www.amazon.com/Eureka-PowerSpeed-Bagless-Upright-Cleaner/dp/B083C2DTKX/ref=cm\\_cr\\_arp\\_d\\_product\\_top?ie=UTF8&th=1](https://www.amazon.com/Eureka-PowerSpeed-Bagless-Upright-Cleaner/dp/B083C2DTKX/ref=cm_cr_arp_d_product_top?ie=UTF8&th=1) (Year: 2020).\*

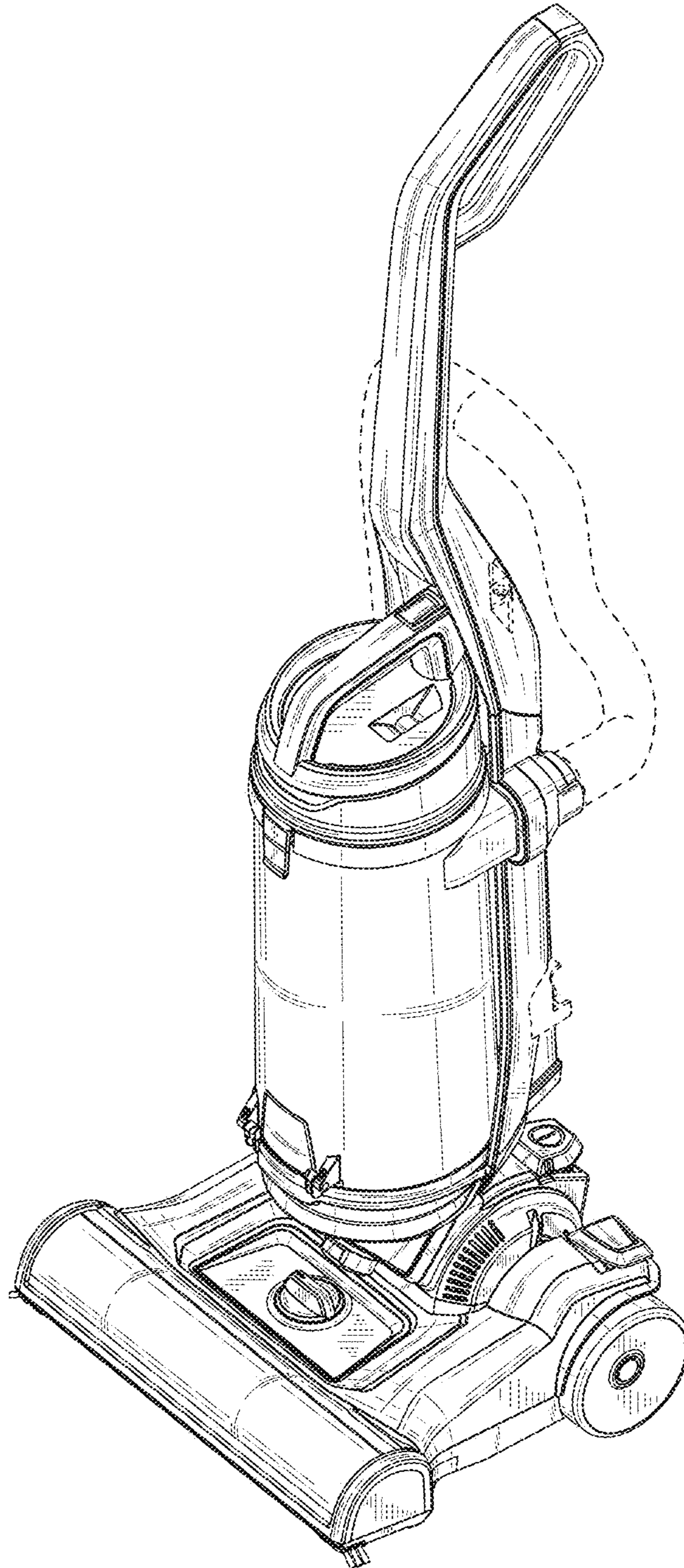
Hoover WindTunnel Upright Vacuum, available in Amazon.com, customer review oldest date May 5, 2019 [online], [site visited Jan. 12, 2021], URL: [https://www.amazon.com/Hoover-WindTunnel-Performance-Powerful-UH72625/dp/B07MFM81RX/ref=cm\\_cr\\_arp\\_d\\_product\\_top?ie=UTF8](https://www.amazon.com/Hoover-WindTunnel-Performance-Powerful-UH72625/dp/B07MFM81RX/ref=cm_cr_arp_d_product_top?ie=UTF8) (Year: 2019).\*

BISSELL Cleanview Bagless Vacuum Cleaner, available in Amazon.com, customer review oldest date Jan. 19, 2019 [online], [site visited Jan. 12, 2021], Available from the internet URL: [https://www.amazon.com/BISSELL-Cleanview-Bagless-Cleaner-2486/dp/B07L69RL4B/ref=cm\\_cr\\_arp\\_d\\_product\\_top?ie=UTF8&th=1](https://www.amazon.com/BISSELL-Cleanview-Bagless-Cleaner-2486/dp/B07L69RL4B/ref=cm_cr_arp_d_product_top?ie=UTF8&th=1) (Year: 2019).\*

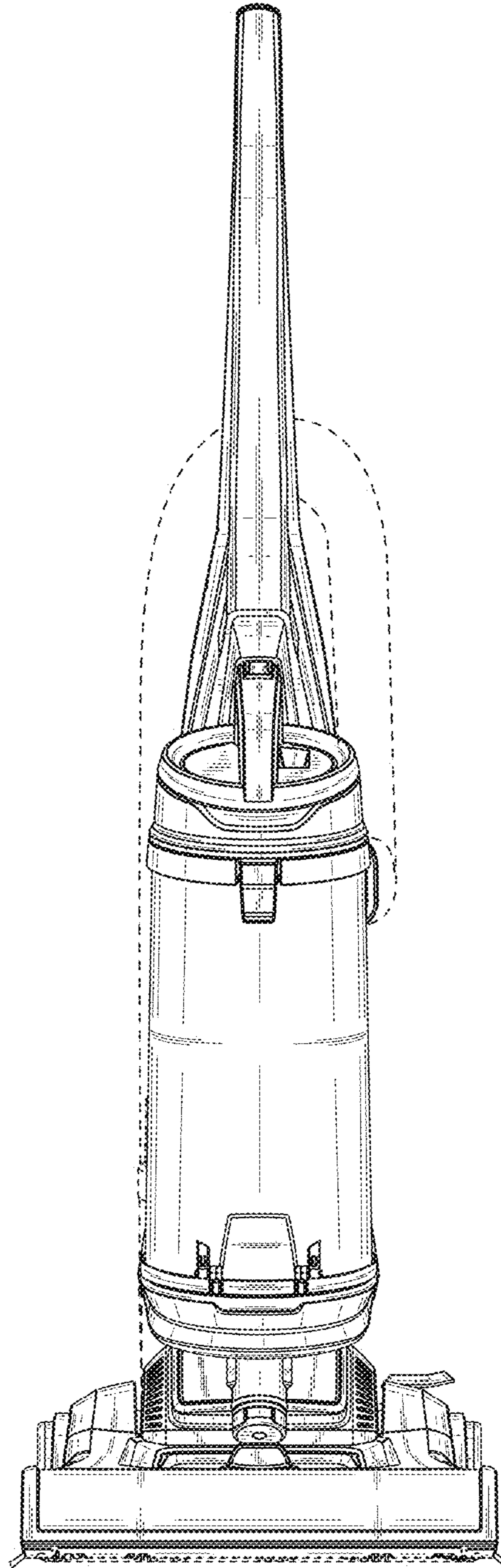
BISSELL Cleanview Swivel Pet Vacuum Cleaner, available in Amazon.com, customer review oldest date Sep. 24, 2018 [online], [site visited Jan. 12, 2021], Available from the internet URL: [https://www.amazon.com/BISSELL-Cleanview-Upright-Bagless-2252/dp/B07F6N3RT6/ref=cm\\_cr\\_arp\\_d\\_product\\_top?ie=UTF8](https://www.amazon.com/BISSELL-Cleanview-Upright-Bagless-2252/dp/B07F6N3RT6/ref=cm_cr_arp_d_product_top?ie=UTF8) (Year: 2018).\*

BISSELL Cleanview Swivel Rewind Pet Vacuum Cleaner, available in Amazon.com, customer review oldest date Oct. 5, 2018 [online], [site visited Jan. 12, 2021], Available from the internet URL: [https://www.amazon.com/BISSELL-Cleanview-Upright-Bagless-Cleaner/dp/B07FJ4N2S7/ref=psdc\\_510110\\_t3\\_B07F6N3RT6?th=1](https://www.amazon.com/BISSELL-Cleanview-Upright-Bagless-Cleaner/dp/B07FJ4N2S7/ref=psdc_510110_t3_B07F6N3RT6?th=1) (Year: 2018).\*

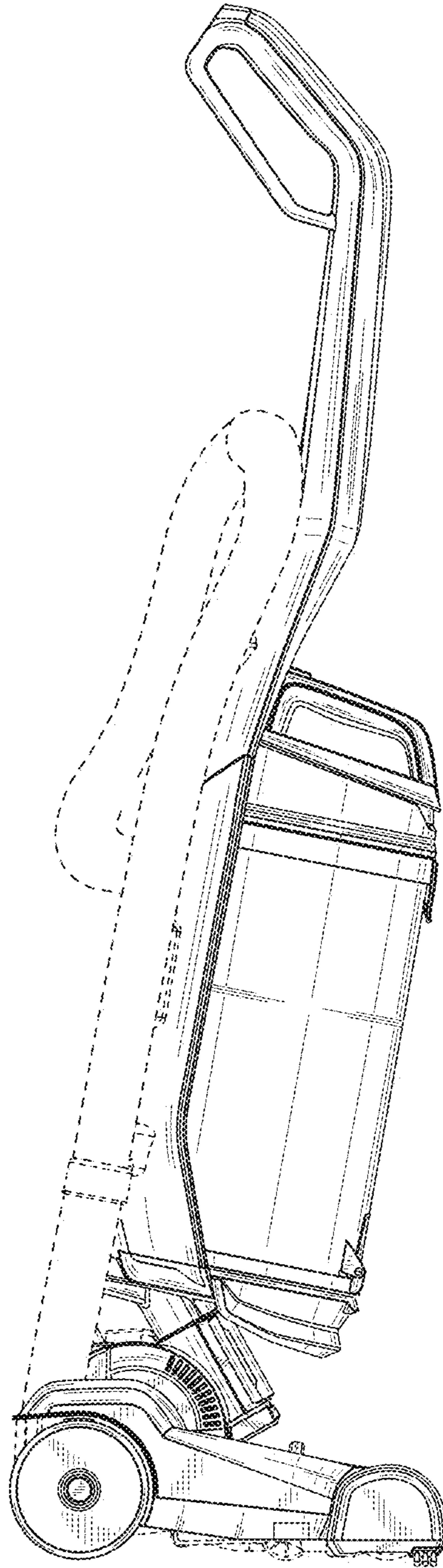
\* cited by examiner



**FIG. 1**



**FIG. 2**



**FIG. 3**

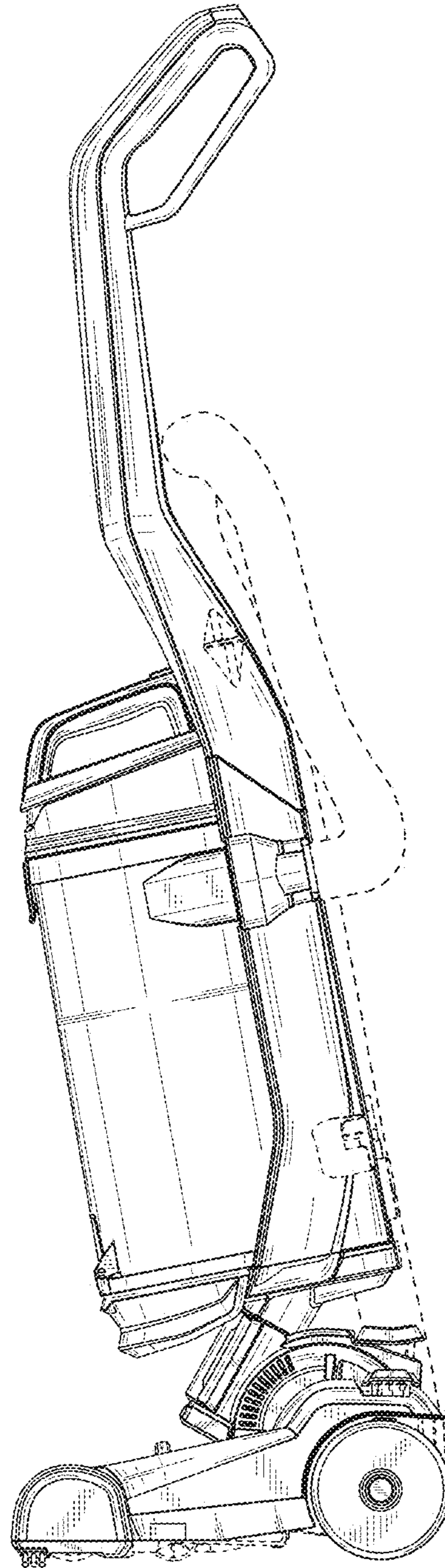
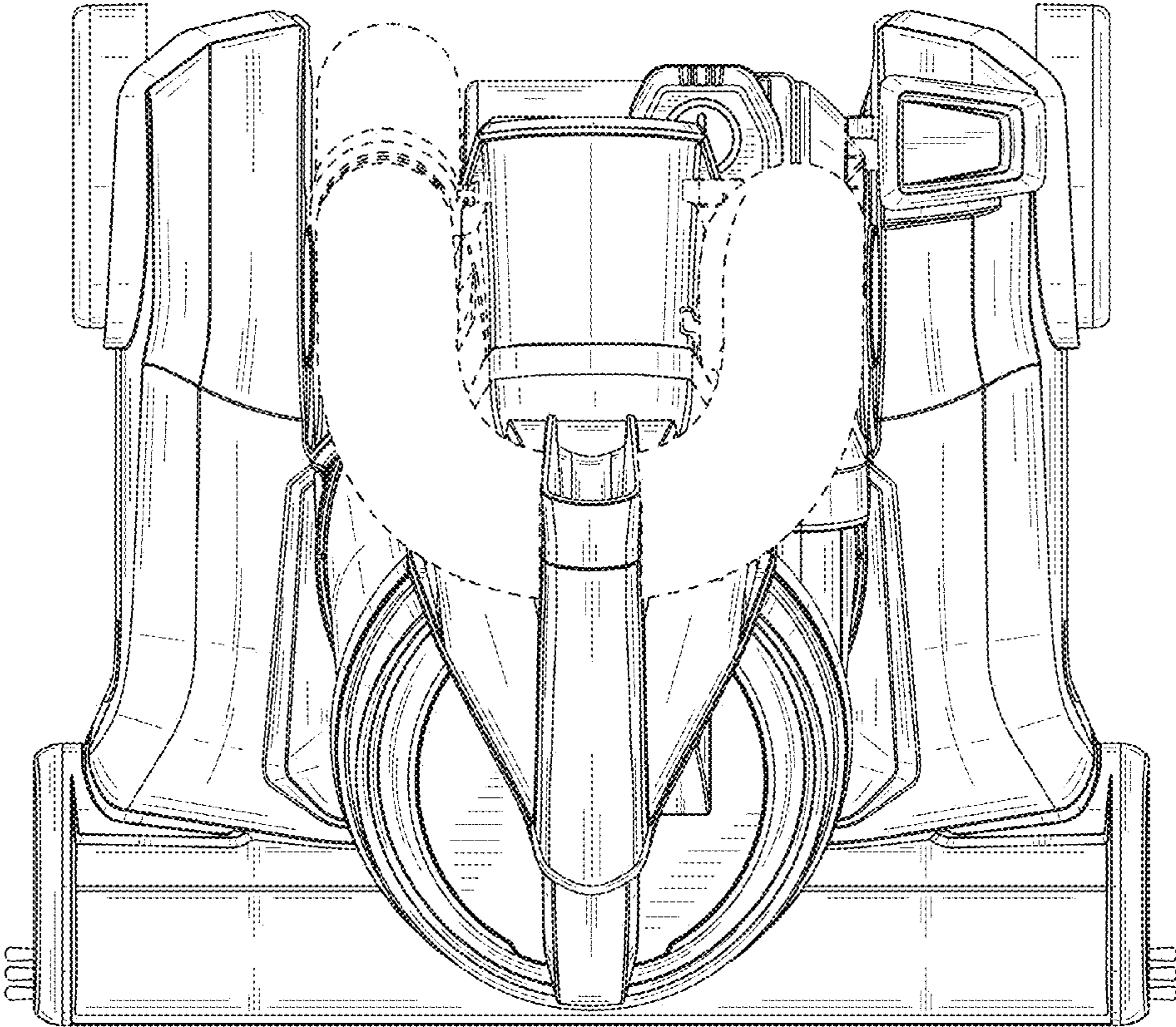


FIG. 4



**FIG. 5**

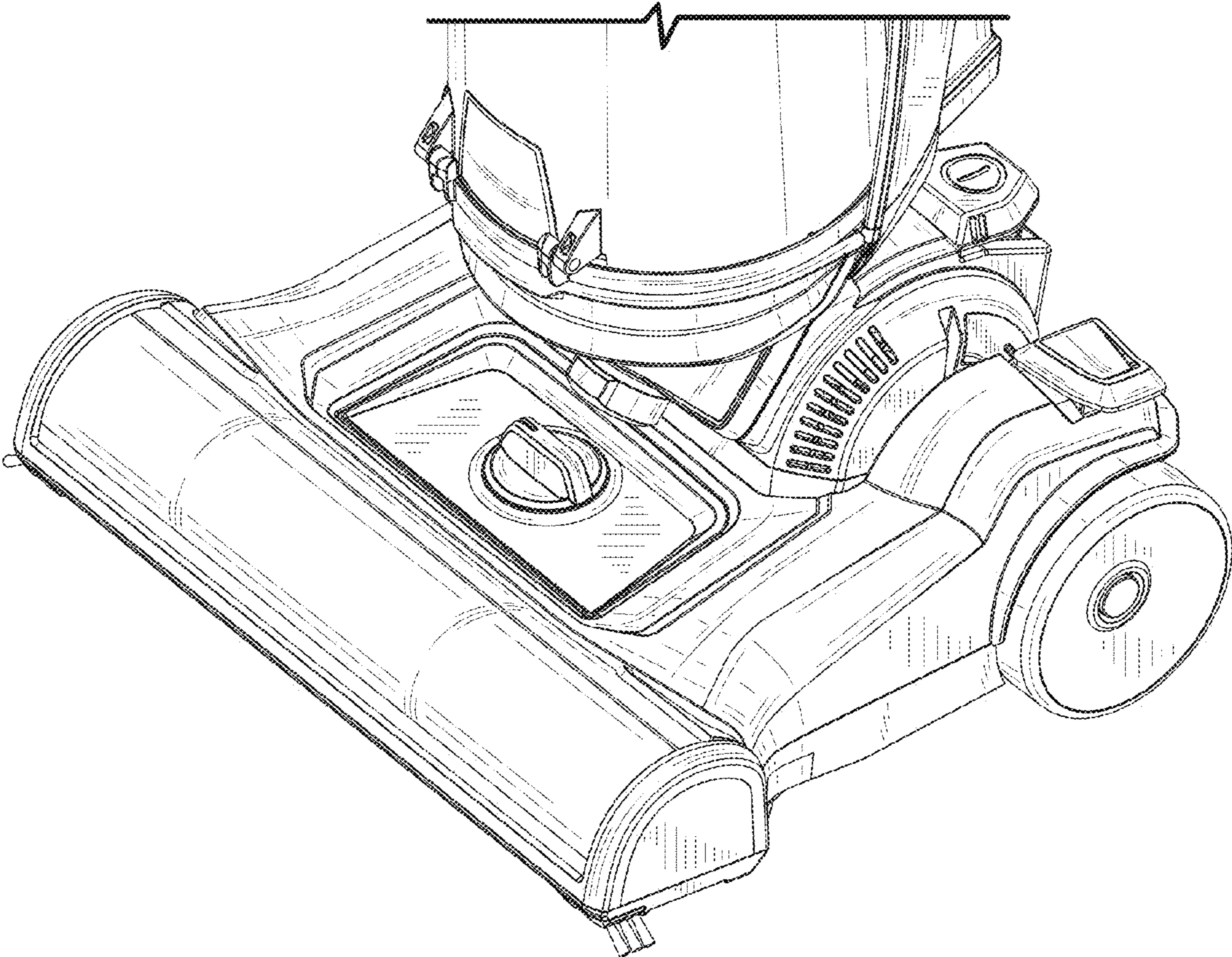
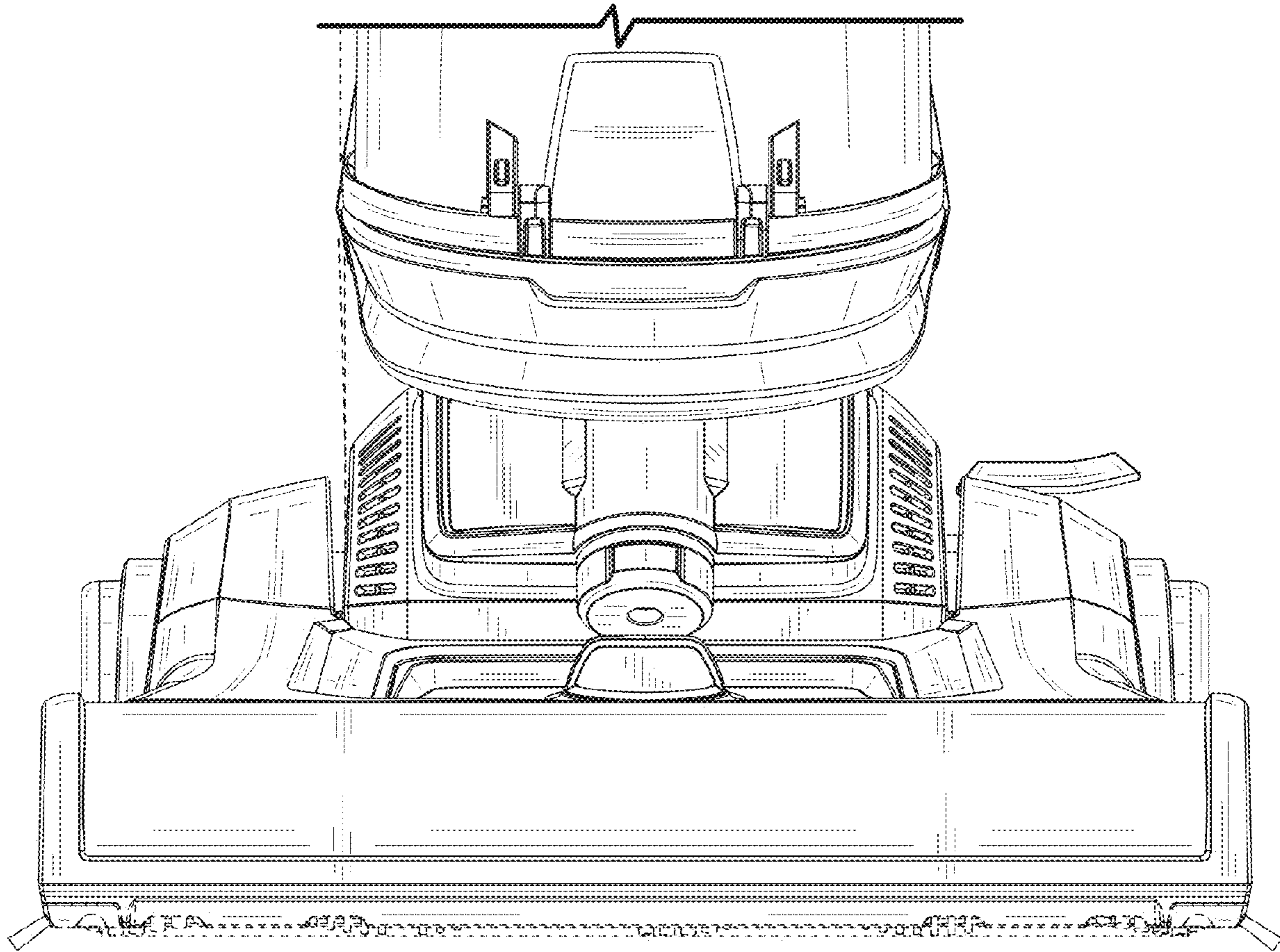


FIG. 6





**FIG. 7**