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United States Design Patent

Chei et al.

(10)

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(45)

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(54) VACUUM CLEANER

- (71)

Applicant:

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Term:

15 Years
- (21)

Appl. No.:

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- (22)

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- (63)

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Feb. 28, 2020, now Pat. No. Des. 952,275.
- (51)

LOC (14) Cl.

..... 15-05
- (52)

U.S. Cl.

USPC D32/22
- (58)

Field of Classification Search

USPC D32/15, 17–18, 21–23, 25, 31; D21/526;
D30/158

(Continued)

(56) References Cited

U.S. PATENT DOCUMENTS

- D662,272 S

*

6/2012 Conrad

..... D32/31
- D739,104 S

*

9/2015 Johnson

..... D32/31

(Continued)

FOREIGN PATENT DOCUMENTS

CA 197872 * 3/2023

OTHER PUBLICATIONS

Shark LA322 Corded Upright Vacuum, available in Amazon.ca, date first available Aug. 12, 2020 [online], [site visited May 2, 2023], Available from the internet URL: <https://www.amazon.ca/Shark-LA322-Lightweight-Detachable-Upholstery/dp/B08FN2KD3B> (Year: 2020).*

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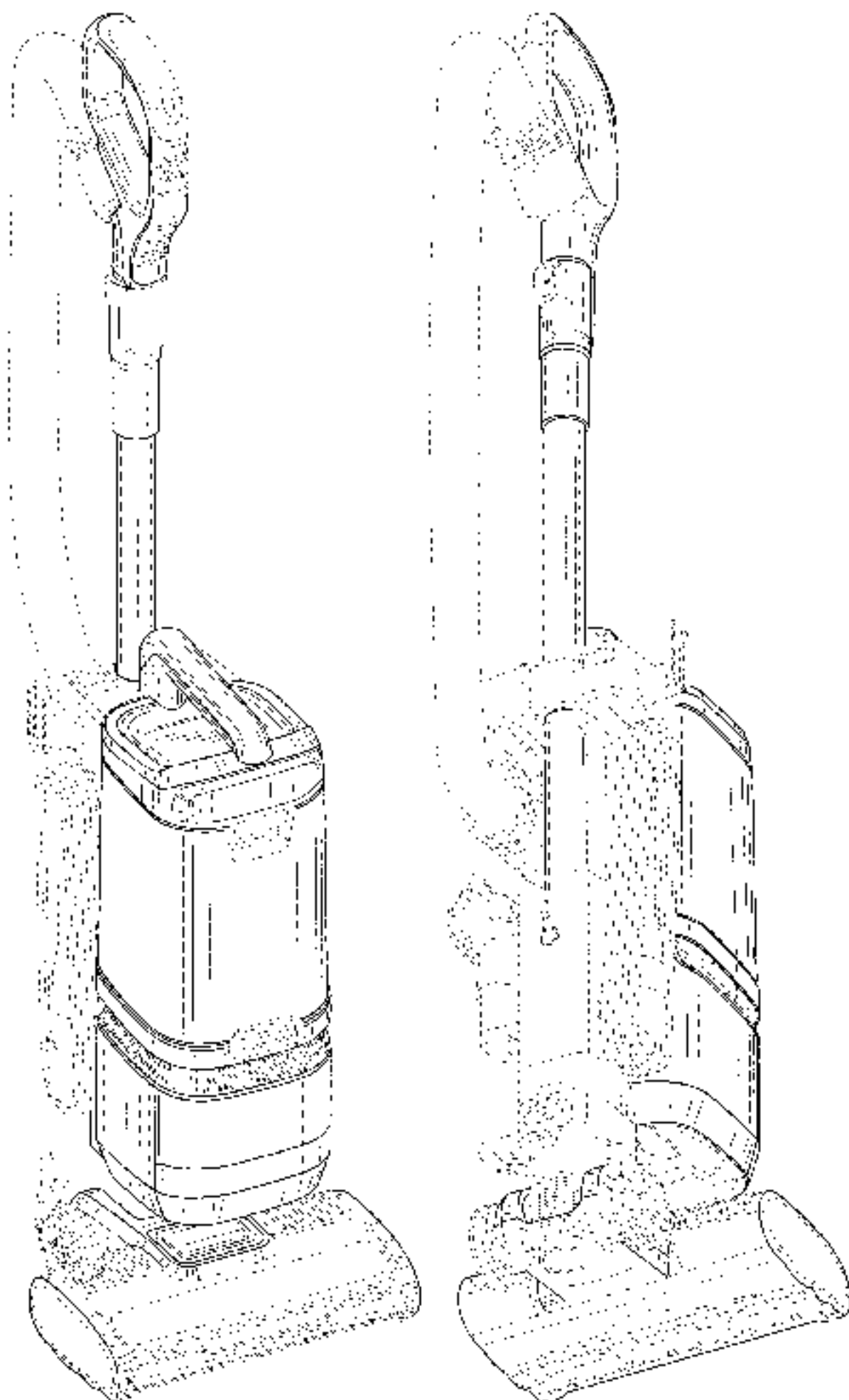
(57) CLAIM

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

DESCRIPTION

FIG. 1 is a perspective front, top, right view of a vacuum cleaner showing the claimed design;
FIG. 2 is perspective front, top, left view of the vacuum cleaner of FIG. 1;
FIG. 3 is a perspective front, bottom, right view of the vacuum cleaner of FIG. 1;
FIG. 4 is a perspective front, bottom, left view of the vacuum cleaner of FIG. 1;
FIG. 5 is a perspective rear, top, left view of the vacuum cleaner of FIG. 1;
FIG. 6 is perspective rear, top, right view of the vacuum cleaner of FIG. 1;
FIG. 7 is a perspective rear, bottom, right view of the vacuum cleaner of FIG. 1;
FIG. 8 is a perspective rear, bottom, left view of the vacuum cleaner of FIG. 1;
FIG. 9 is a front view of the vacuum cleaner of FIG. 1;
FIG. 10 is a rear view of the vacuum cleaner of FIG. 1;
FIG. 11 is a left view of the vacuum cleaner of FIG. 1;
FIG. 12 is a right view of the vacuum cleaner of FIG. 1;
FIG. 13 is a top view of the vacuum cleaner of FIG. 1; and,
FIG. 14 is a bottom view of the vacuum cleaner of FIG. 1.

(Continued)



The broken lines shown in the drawings are for the purpose of illustrating portion of the vacuum cleaner and form no part of the claimed design.

1 Claim, 13 Drawing Sheets

(58) Field of Classification Search

CPC A47L 5/24; A47L 5/28; A47L 5/30; A47L 5/34; A47L 5/36; A47L 9/04; A47L 9/102; A47L 9/106; A47L 11/30; A47L 11/302; A47L 11/4005; A47L 11/4008; A47L 11/4044; B04C 5/185; B23Q 11/0046; B23Q 11/0071; E04H 4/1636
See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

D739,620 S * 9/2015 Johnson D32/22
D739,622 S * 9/2015 Johnson D32/34

D740,505 S * 10/2015 Gidwell D32/31
D751,261 S * 3/2016 Thorne D32/22
D769,557 S * 10/2016 Johnson D32/22
D770,106 S * 10/2016 Johnson D32/22
D784,636 S * 4/2017 Canas D32/22
D785,258 S * 4/2017 Canas D32/31
D792,669 S * 7/2017 Johnson D32/31
D804,120 S * 11/2017 Bond D32/31
D804,751 S * 12/2017 Johnson D32/22
D838,068 S * 1/2019 Bond D32/31
D871,695 S * 12/2019 Niedzwecki D32/22
D882,195 S * 4/2020 Palladino D32/31
D887,656 S * 6/2020 Chei D32/22
D891,015 S * 7/2020 Palladino D32/31
D924,509 S * 7/2021 Niedzwecki D32/22
11,064,853 B2 * 7/2021 Clare A47L 9/0018
D952,275 S * 5/2022 Chei D32/22
D959,077 S * 7/2022 Knapp D32/22
D986,521 S * 5/2023 Xu D32/22
D990,079 S * 6/2023 Liu D32/22
D996,750 S * 8/2023 Niedzwecki D32/22
D1,012,392 S * 1/2024 Chei D32/22
11,903,551 B2 * 2/2024 Paulla B01D 39/14
2024/0008701 A1 * 1/2024 Conrad A47L 9/1683

* cited by examiner

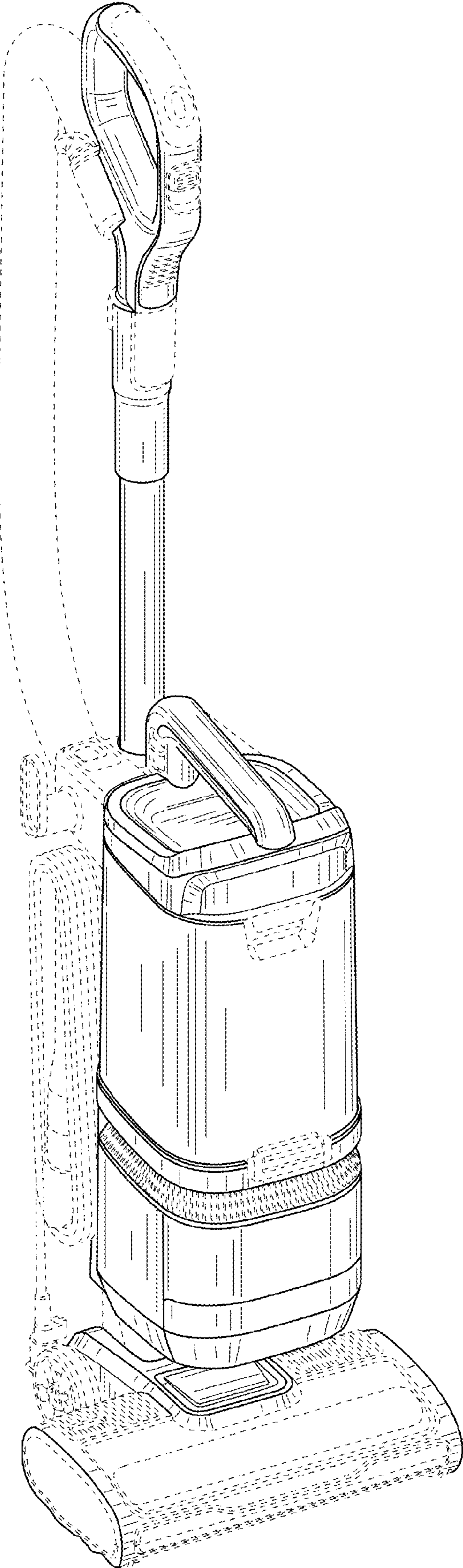


FIG. 1

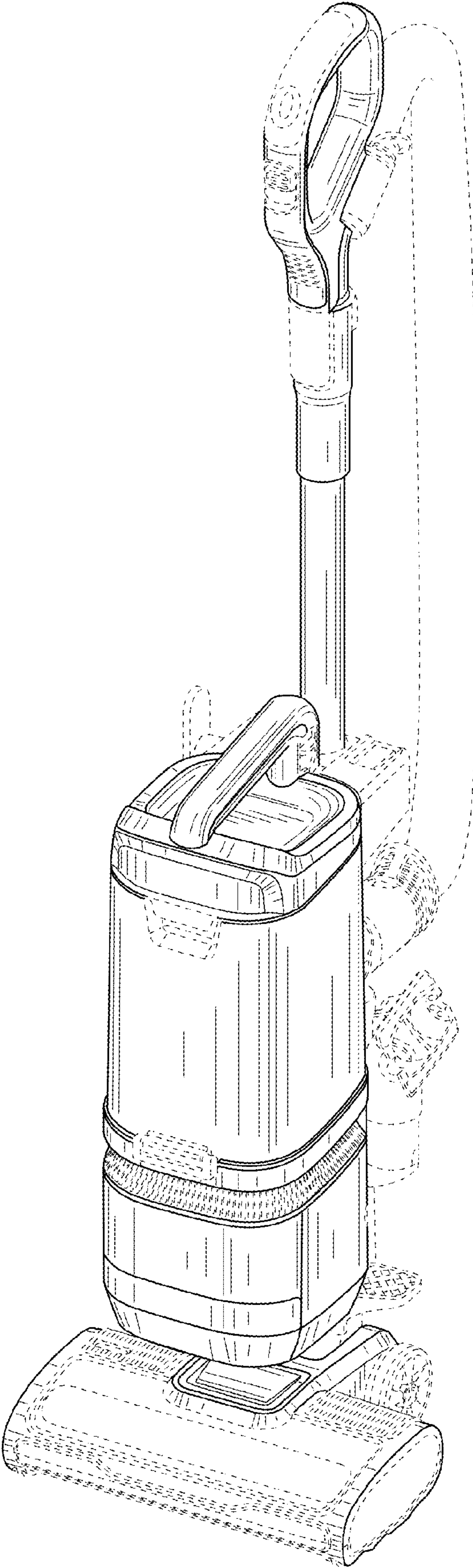


FIG. 2

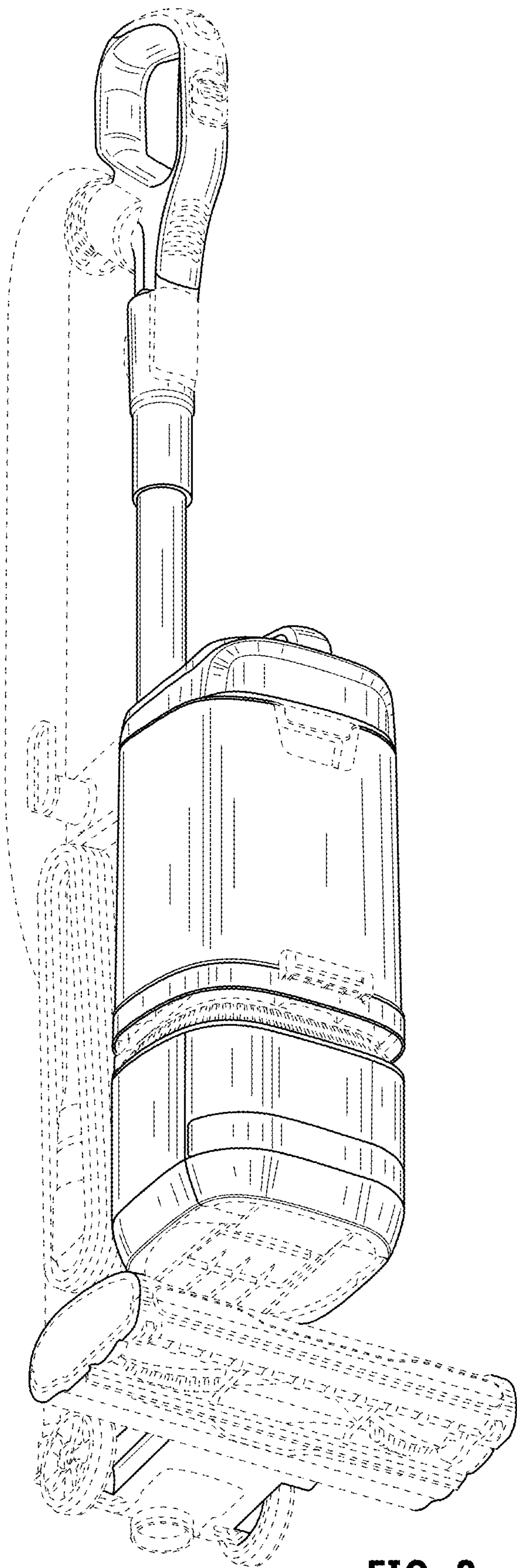


FIG. 3

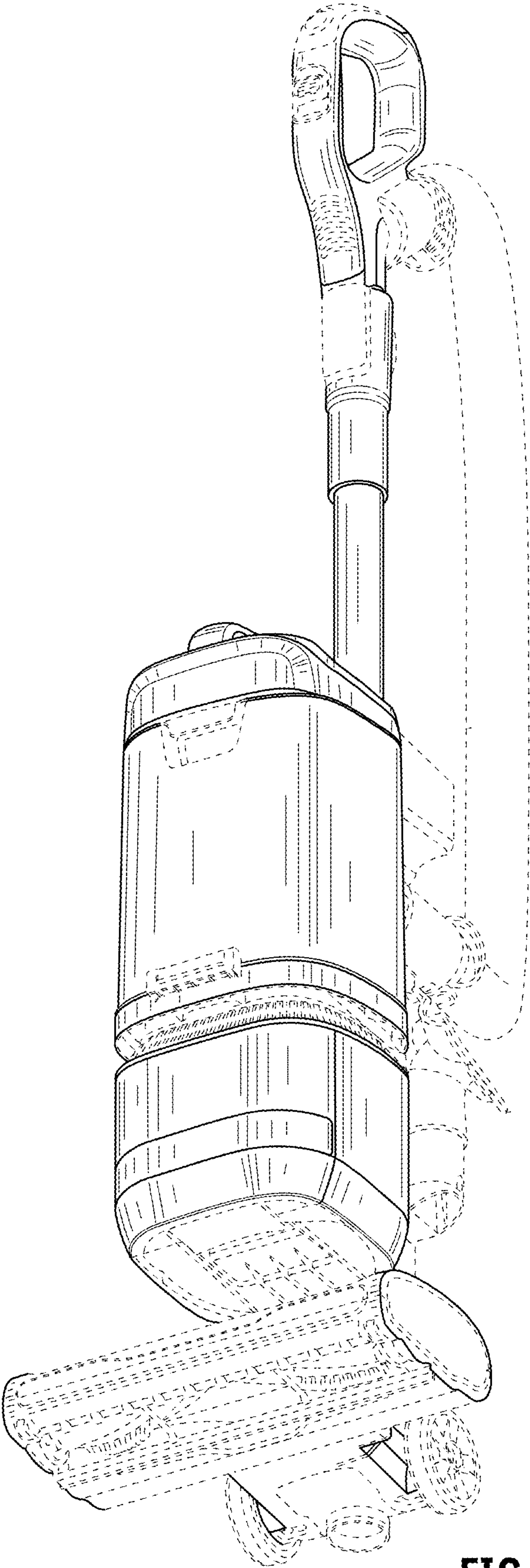


FIG. 4

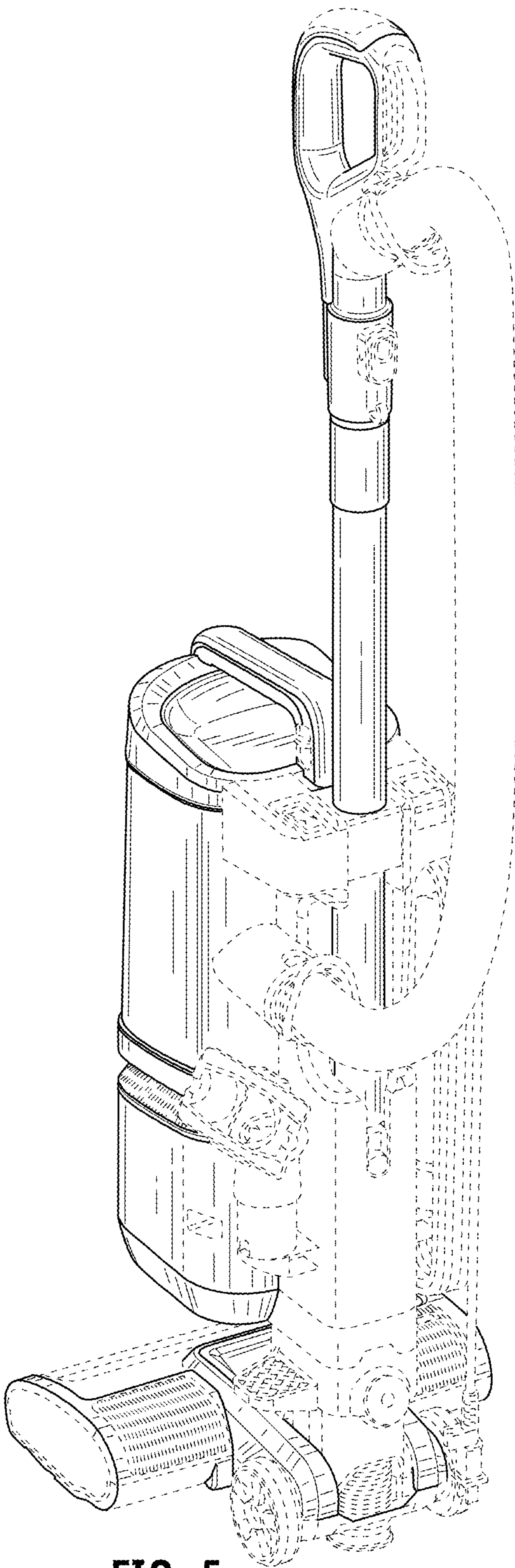


FIG. 5

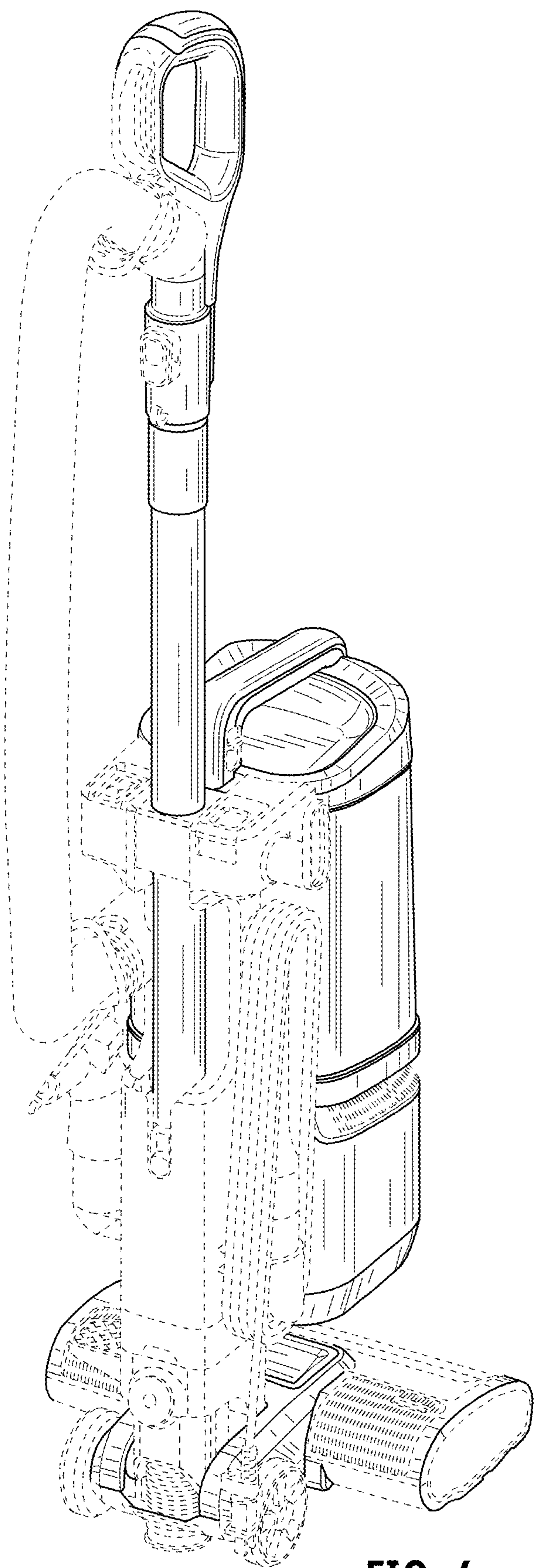


FIG. 6

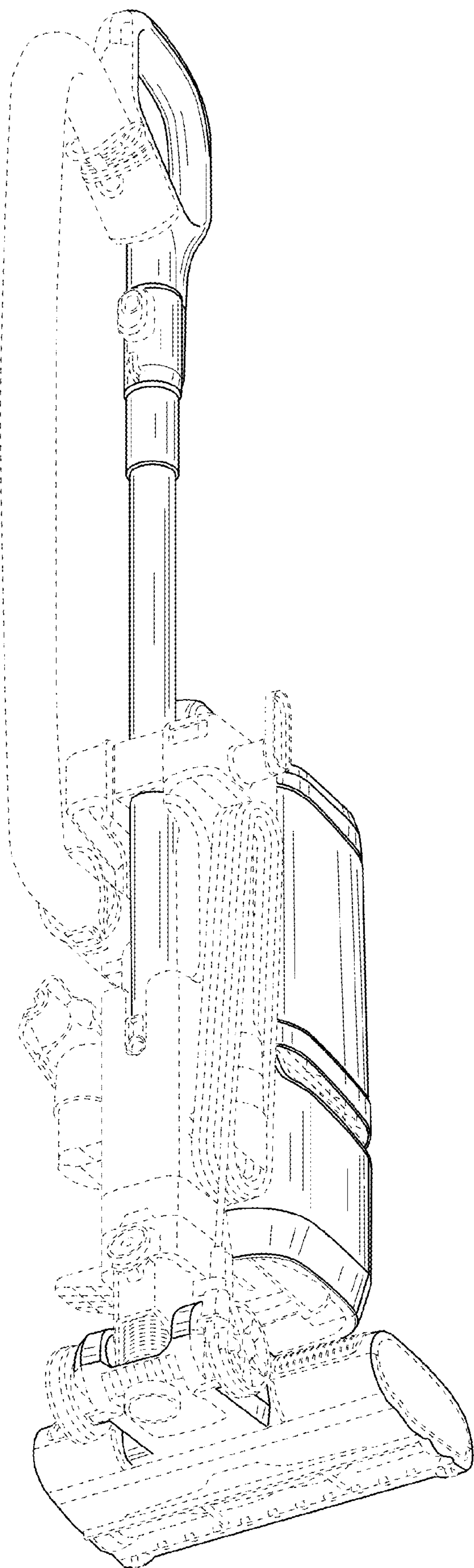


FIG. 7

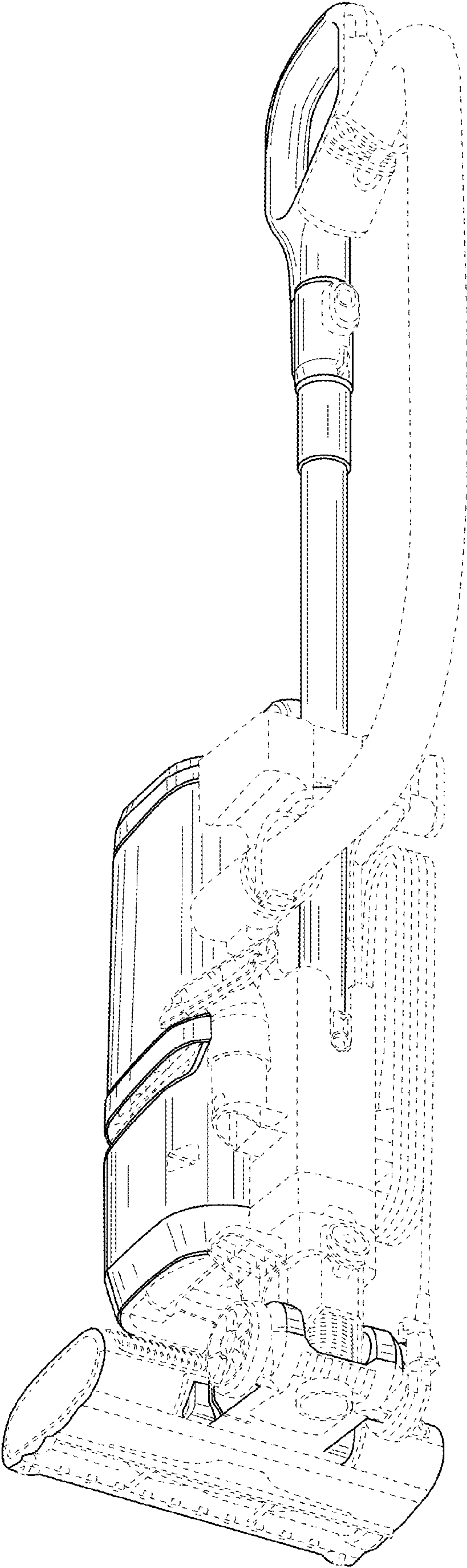


FIG. 8

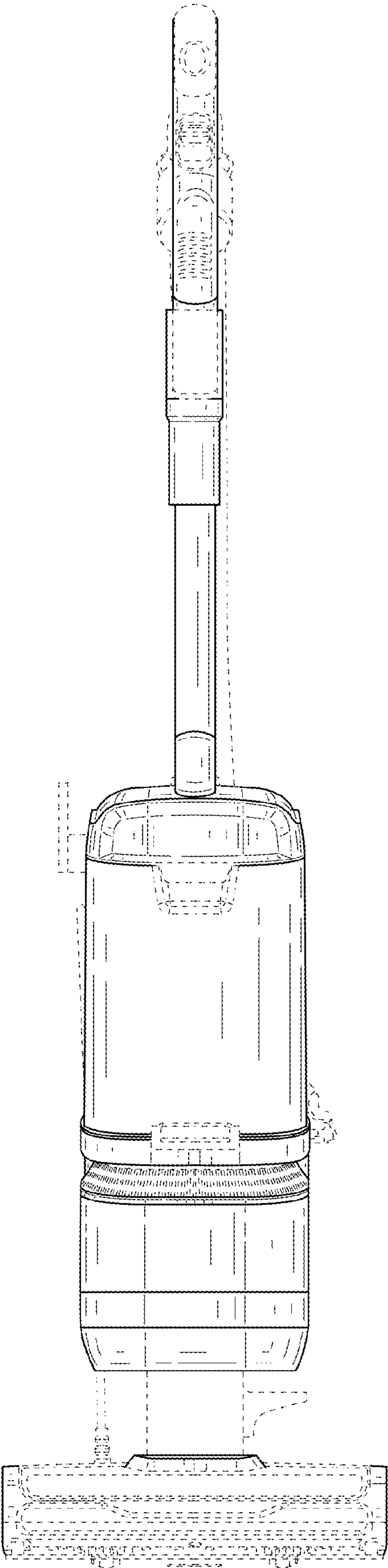


FIG. 9

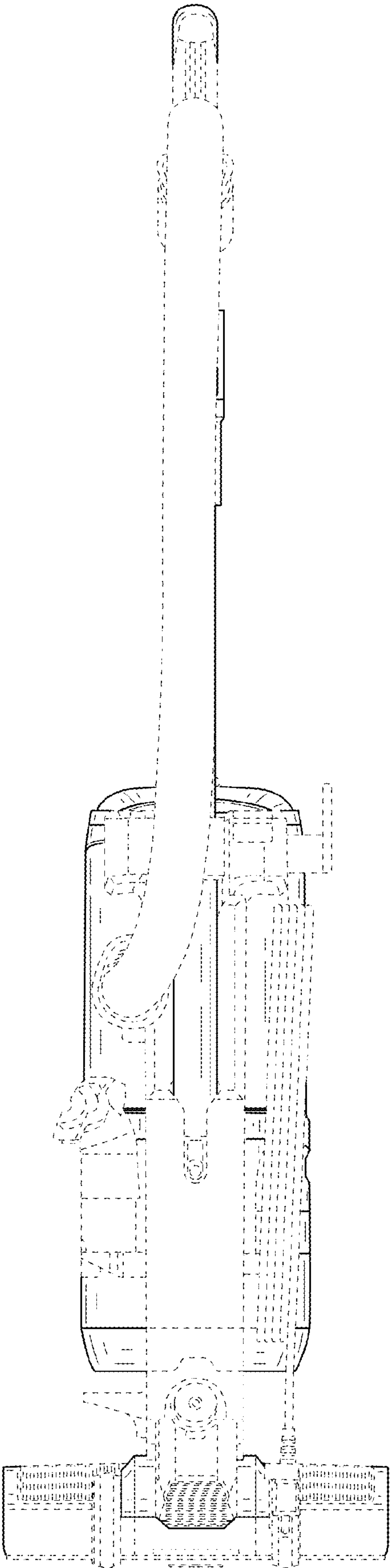


FIG. 10

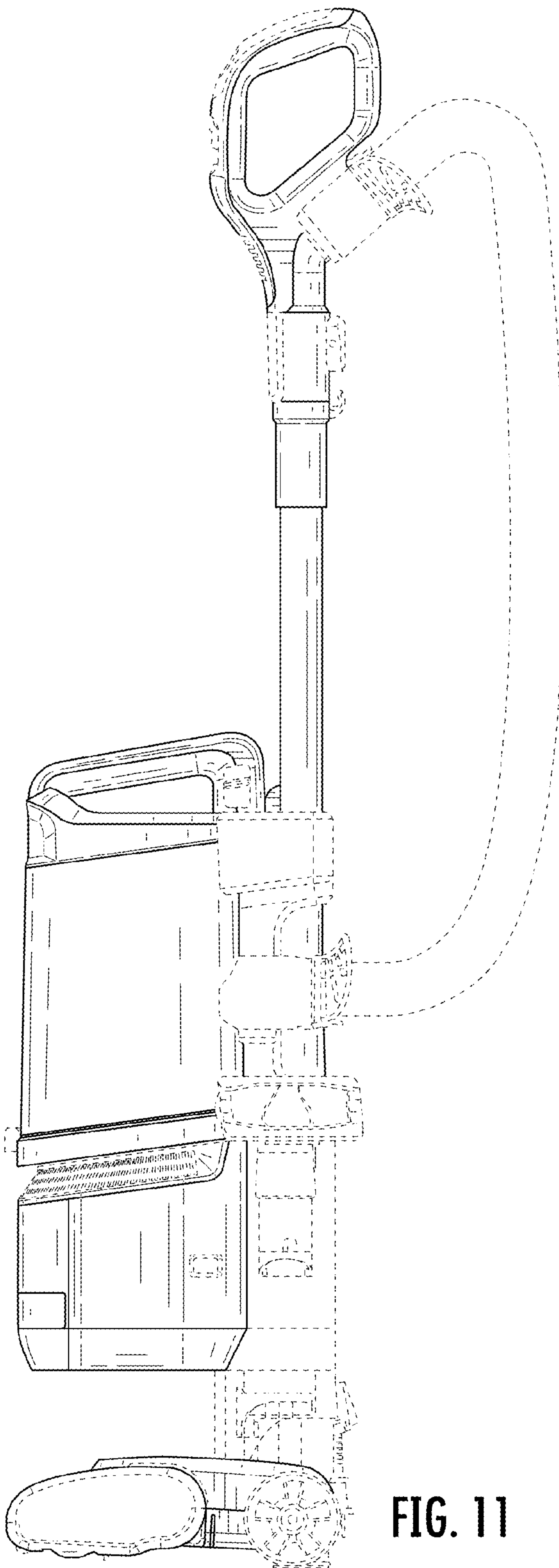


FIG. 11

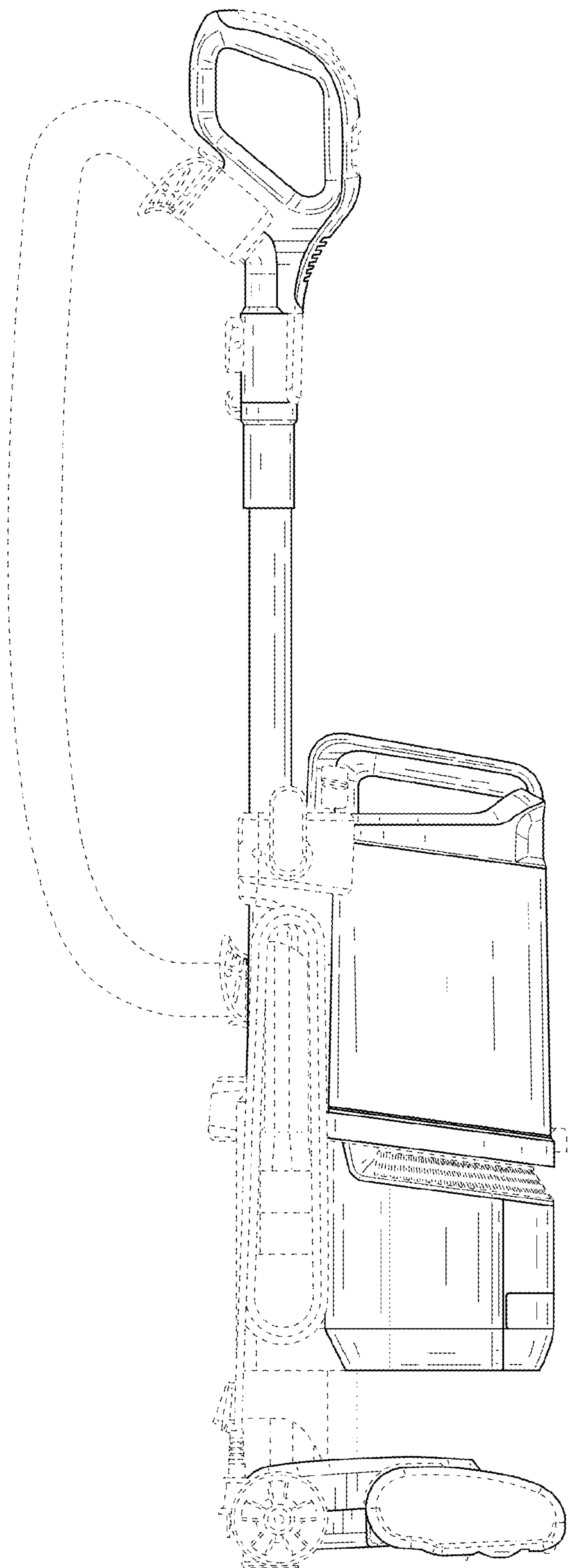


FIG. 12

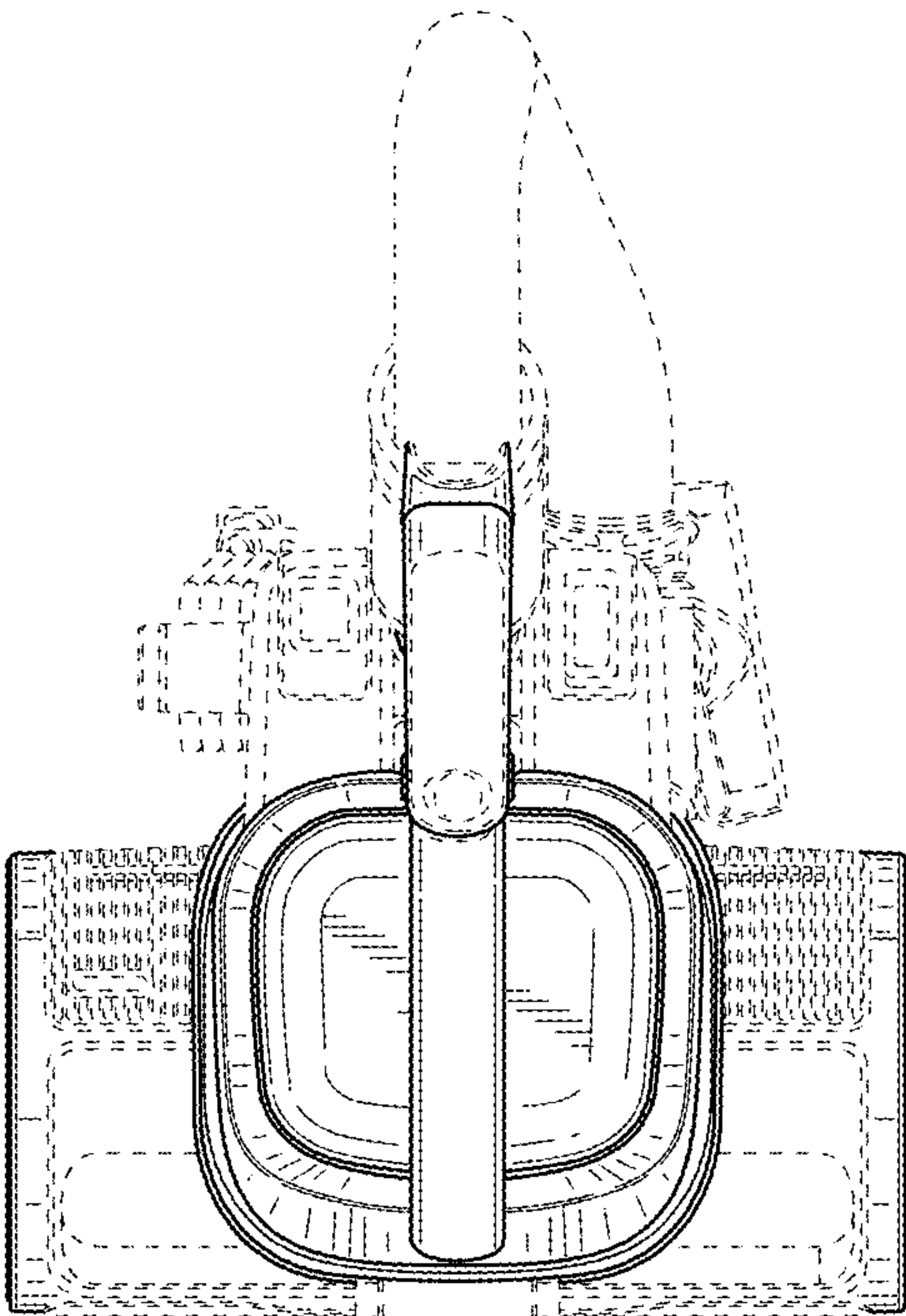


FIG. 13

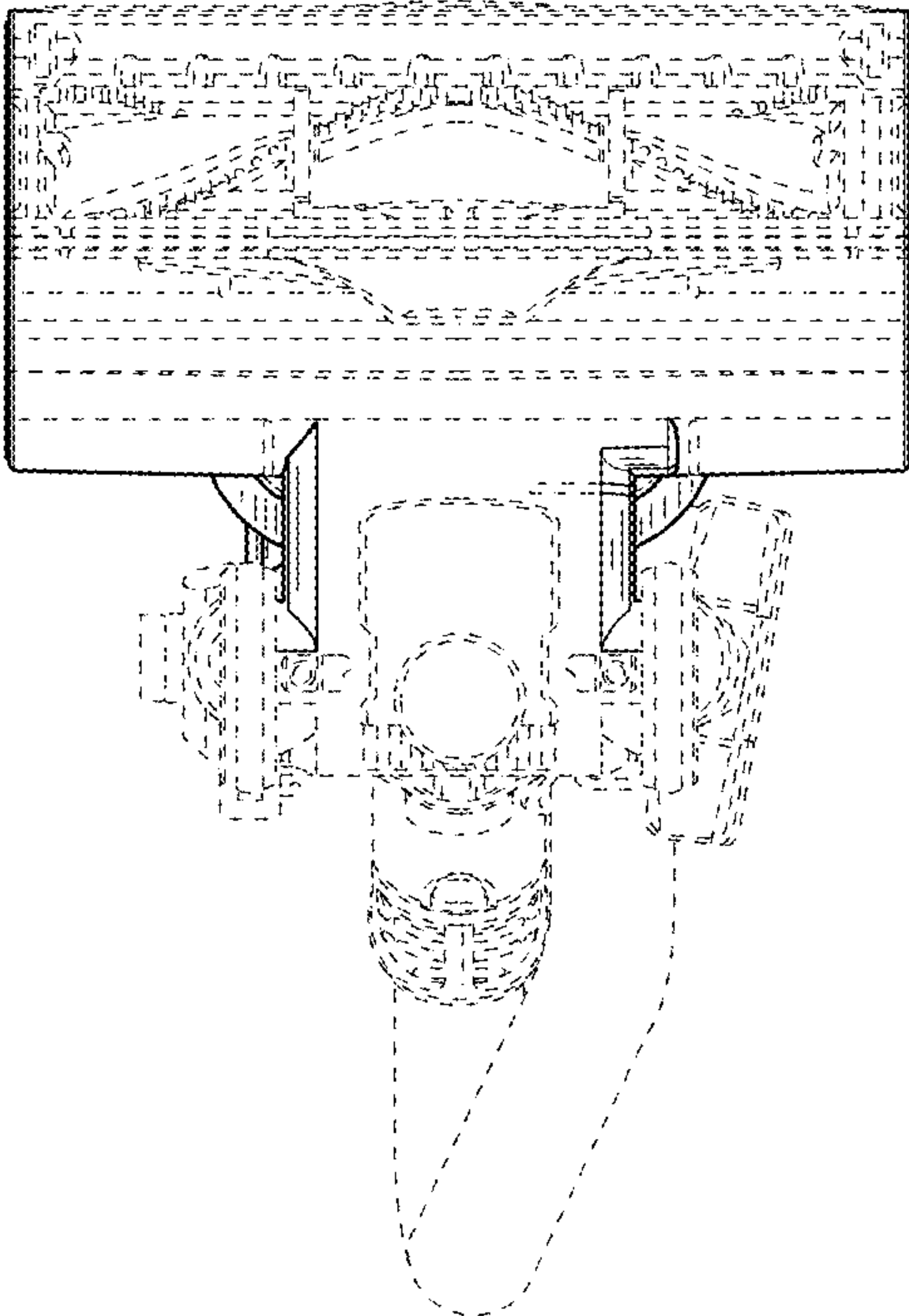


FIG. 14