



US00D931561S

(12) **United States Design Patent** (10) **Patent No.:** **US D931,561 S**
Meissner et al. (45) **Date of Patent:** **** *Sep. 21, 2021**

(54) **FLOOR CLEANER**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **Carl Freudenberg KG**, Weinheim (DE)

CN 301967615 * 6/2012
CN 302341370 * 3/2013

(Continued)

(72) Inventors: **Jan Meissner**, Hamburg (DE); **Guenter Wissmann**, Schenefeld (DE)

OTHER PUBLICATIONS

(73) Assignee: **CARL FREUDENBERG KG**, Weinheim (DE)

Vileda Jet Clean, available in Amazon.com, date first available Aug. 20, 2019 [online], [site visited Nov. 16, 2020], Available from the internet URL: <https://www.amazon.de/Vileda-JetClean-Bodenreiniger-schwarz-Trockensauger/dp/B07WTR2VGQ> (Year: 2019).*

(*) Notice: This patent is subject to a terminal disclaimer.

(Continued)

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

Primary Examiner — Dana K Weiland

(21) Appl. No.: **29/715,519**

Assistant Examiner — Jennylou M Binas

(22) Filed: **Dec. 3, 2019**

(74) *Attorney, Agent, or Firm* — Leydig, Voit & Mayer, Ltd.

(30) **Foreign Application Priority Data**

(57) **CLAIM**

Jun. 4, 2019 (EM) 006562252

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

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

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

(58) **Field of Classification Search**

USPC D32/15, 17, 18, 21, 22, 23, 24, 31;
D21/526

CPC ... A47L 5/24; A47L 5/225; A47L 5/28; A47L 5/30; A47L 5/34; A47L 5/362; A47L 5/365; A47L 9/0411; A47L 9/1409; A47L 9/1481; A47L 9/16; A47L 9/1608; A47L 9/1675; A47L 9/1683; A47L 9/1691; A47L 9/2852;

(Continued)

DESCRIPTION

The file of this patent contains at least one drawing/photograph executed in color. Copies of this patent with color drawing(s)/photograph(s) will be provided by the Office upon request and payment of the necessary fee.

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

FIG. 2 is a left side view thereof;

FIG. 3 is a rear view thereof;

FIG. 4 is a right side view thereof;

FIG. 5 is an enlarged bottom view of the floor cleaner of FIG. 1;

FIG. 6 is a front-left perspective view thereof; and,

FIG. 7 is an enlarged front-top perspective view of the floor cleaner of FIG. 1.

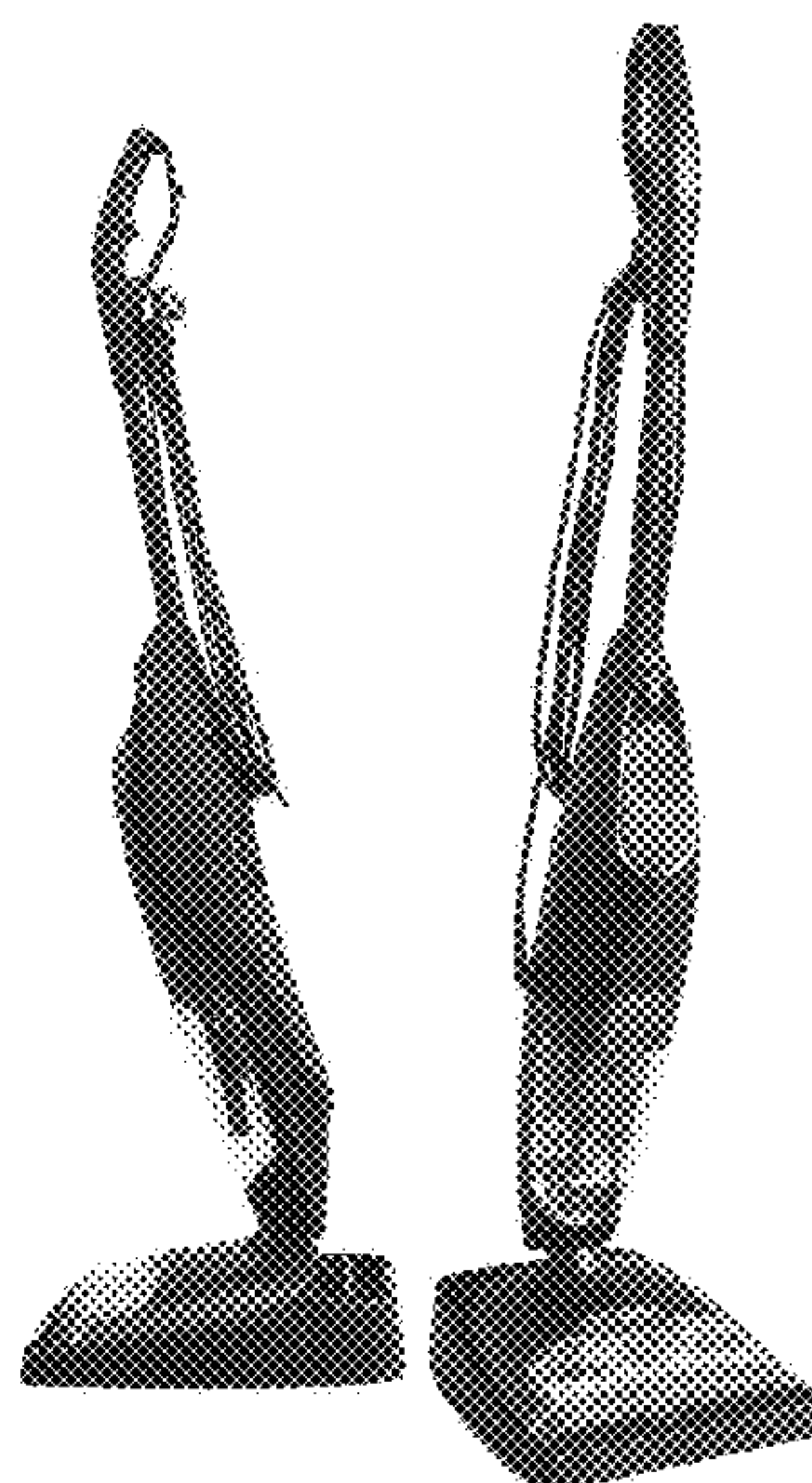
(56) **References Cited**

U.S. PATENT DOCUMENTS

D574,563 S * 8/2008 Fjellman D32/22
D583,118 S * 12/2008 Snyder D32/51

(Continued)

1 Claim, 7 Drawing Sheets
(7 of 7 Drawing Sheet(s) Filed in Color)



(58) Field of Classification Search

CPC A47L 9/32; A47L 9/322; A47L 9/325;
A47L 11/20; A47L 11/24; A47L 11/26;
A47L 11/28; A47L 11/30; A47L 11/302;
A47L 11/34; A47L 11/4011; A47L
11/4036; A47L 11/4044; A47L 11/4052;
A47L 11/4083; A47L 13/225; A47L
2201/00; A47L 2201/022; A14L 7/0004;
A14L 7/0095; B23Q 11/0046; B23Q
11/0071; B25D 16/00; B04C 1/00; B04C
5/185; D01H 11/005; D01H 5/645; F26B
11/12

See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

D658,835 S * 5/2012 Houghton D32/45
D662,677 S * 6/2012 Bilger D32/22
D664,314 S * 7/2012 Li D32/17
D673,337 S * 12/2012 Chow D32/45
D686,378 S * 7/2013 Luedke D32/31
D722,211 S * 2/2015 Thackray D32/22
D764,128 S * 8/2016 Kindler D32/45
D766,527 S * 9/2016 Niedzwecki D32/45
10,004,373 B2 * 6/2018 Hansen A47L 13/17
D834,778 S * 11/2018 Palladino D32/45
D877,430 S * 3/2020 Hooley D32/22

2012/0255138 A1* 10/2012 Dingert A47L 13/22
15/228
2013/0232713 A1* 9/2013 Luedke A47L 13/225
15/228
2015/0230683 A1* 8/2015 Pears A47L 11/4086
15/320
2021/0030251 A1* 2/2021 Metzel A47L 13/254
2021/0030252 A1* 2/2021 Metzel A47L 13/22

FOREIGN PATENT DOCUMENTS

CN 305131682 * 4/2019
EM 764949-0014 * 10/2007

OTHER PUBLICATIONS

Leifheit Akku Saugwischer, available in Amazon.com, customer review oldest date Oct. 21, 2019 [online], [site visited Nov. 16, 2020], Available from the internet URL: <https://www.amazon.de/dp/B07ZDMRHHT> (Year: 2019).
U.S. Appl. No. 29/715,676, filed Dec. 4, 2019.
U.S. Appl. No. 29/715,678, filed Dec. 4, 2019.
U.S. Appl. No. 29/715,674, filed Dec. 4, 2019.
U.S. Appl. No. 29/715,677, filed Dec. 4, 2019.
U.S. Appl. No. 29/715,679, filed Dec. 4, 2019.

* cited by examiner

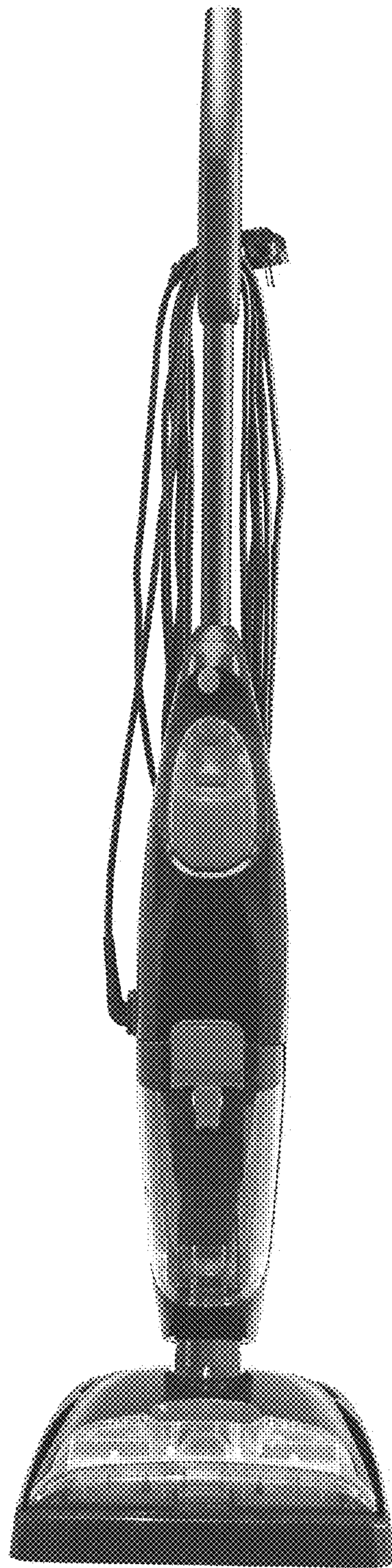


FIG. 1

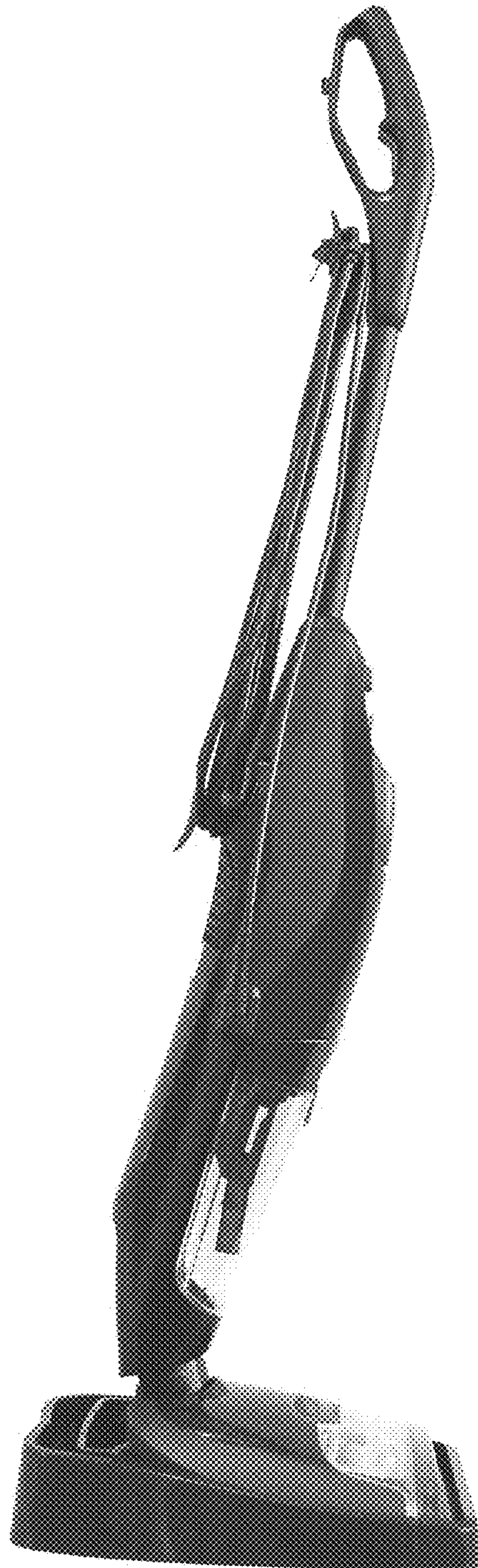


FIG. 2

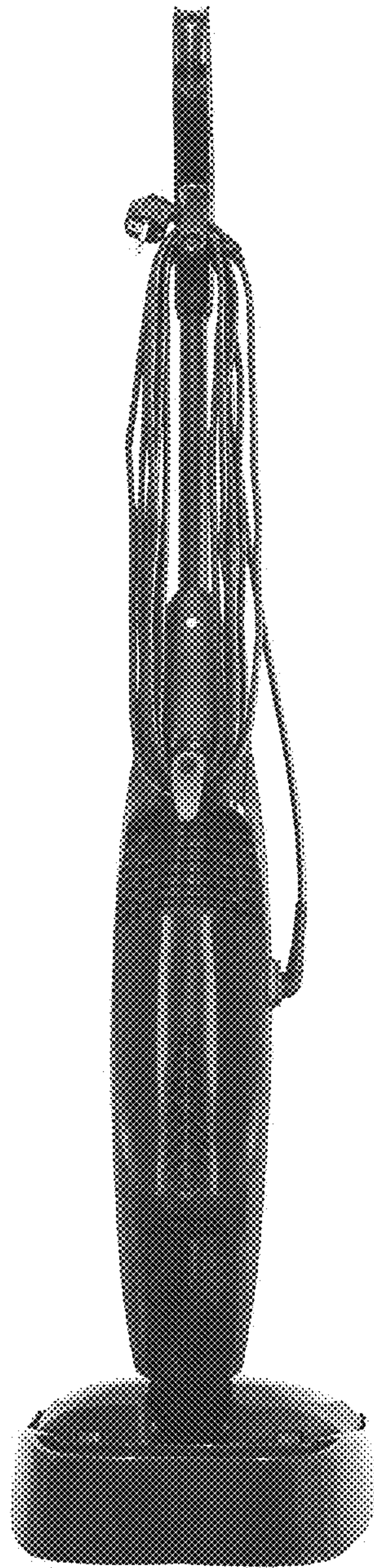


FIG. 3

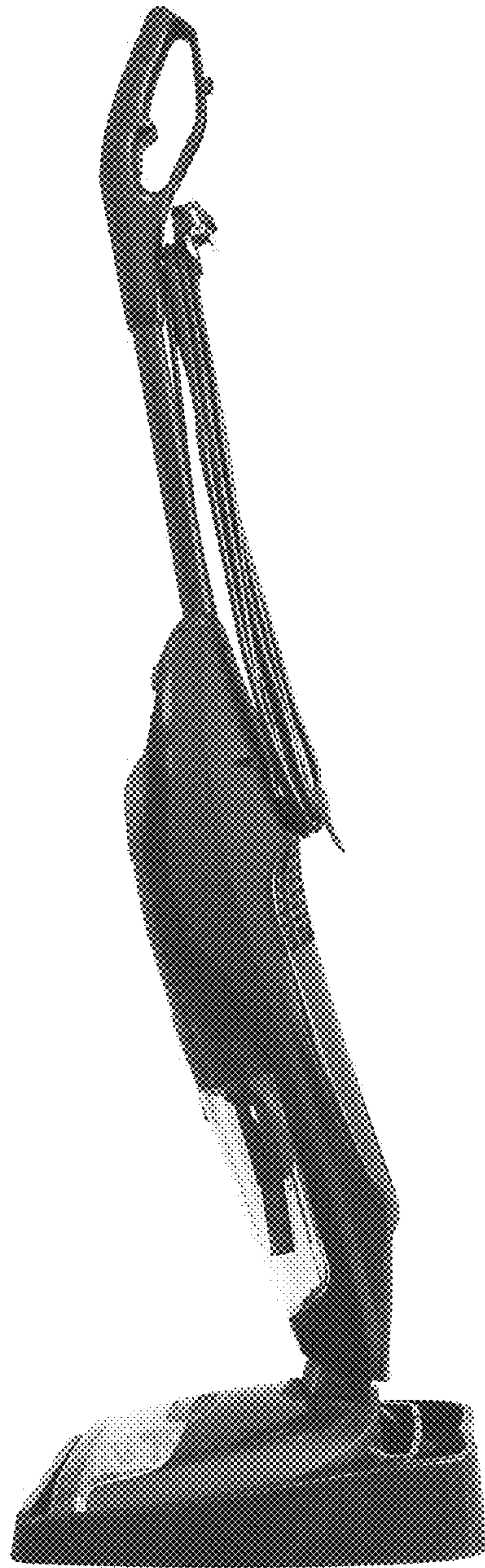


FIG. 4

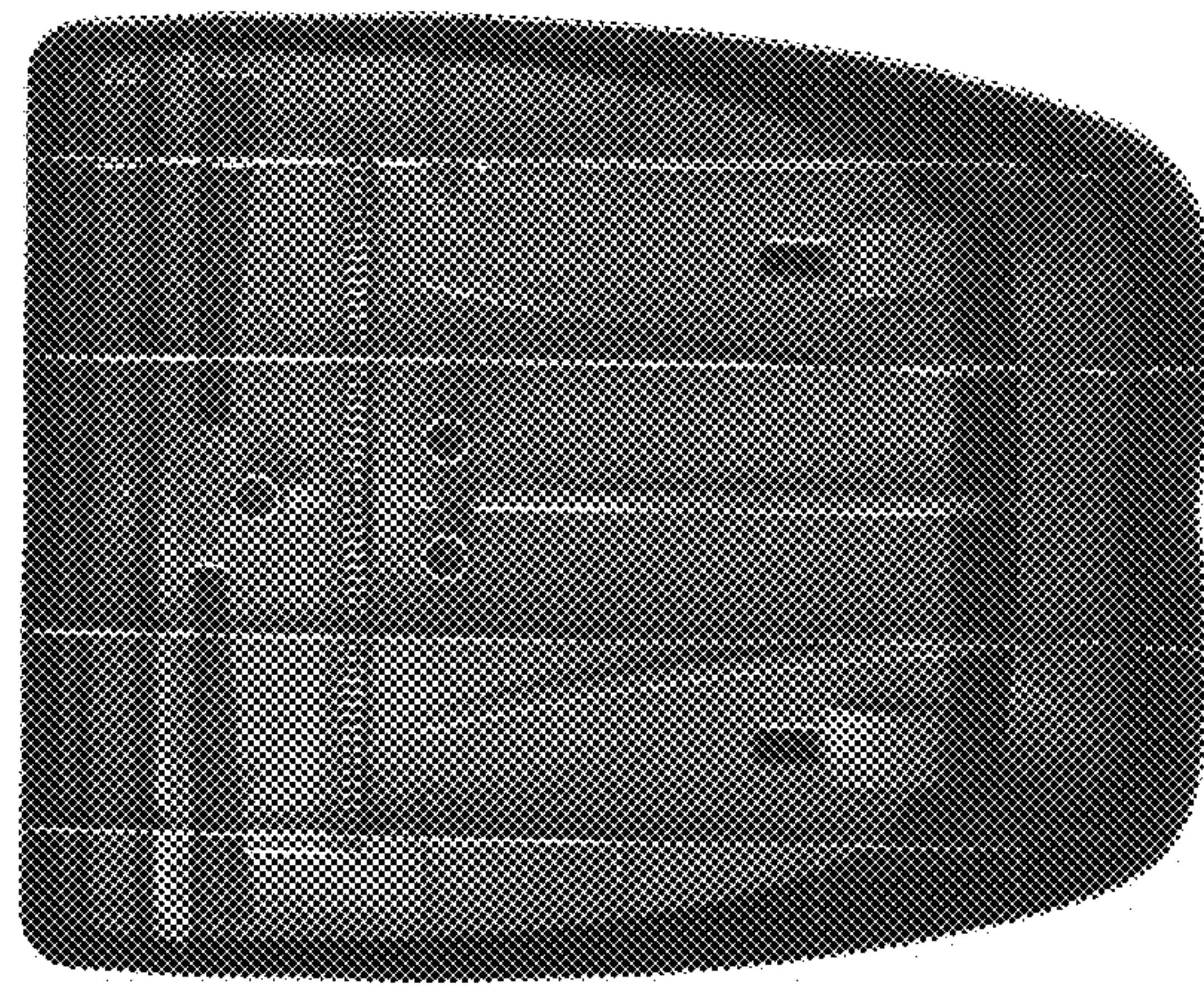


FIG. 5



FIG. 6

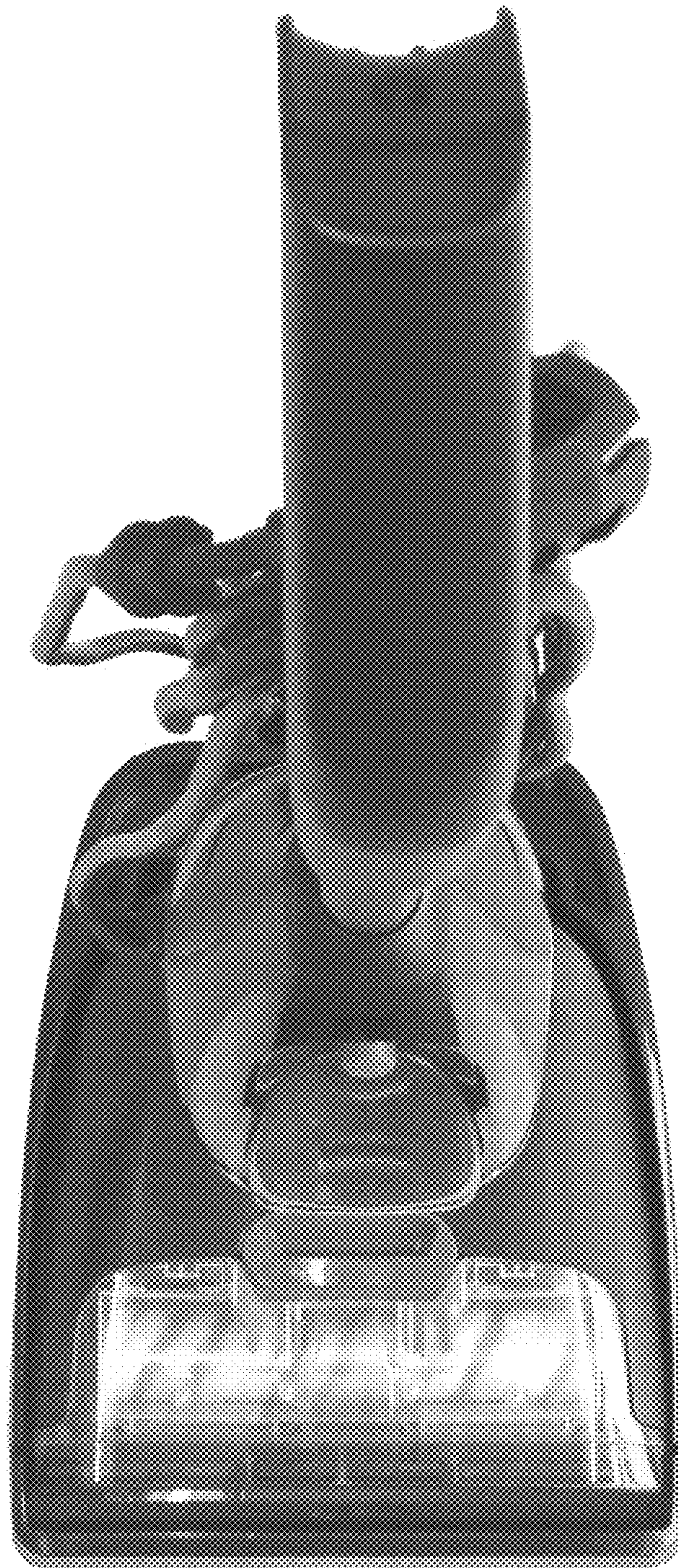


FIG. 7