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

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(45) **Date of Patent:** **** Apr. 4, 2023**

(54) **HANDHELD VACUUM CLEANER**
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(30) **Foreign Application Priority Data**
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(51) **LOC (14) Cl.** **15-05**
(52) **U.S. Cl.**
USPC **D32/21**
(58) **Field of Classification Search**
USPC ... D32/4, 17, 18, 19, 21, 22, 23, 24, 31, 32, D32/34, 38, 39
CPC ... A47L 5/24; A47L 5/28; A47L 5/225; A47L 9/12; A47L 9/322; A47L 9/1608; A47L 9/1683
See application file for complete search history.

(56) **References Cited**
U.S. PATENT DOCUMENTS
D668,010 S * 9/2012 Stickney D32/18
D830,016 S * 10/2018 Lim D32/22

D830,017 S * 10/2018 Nam D32/22
D839,509 S * 1/2019 Nam D32/18
D839,510 S * 1/2019 Nam D32/18
D905,360 S * 12/2020 Ma D32/22
D908,990 S * 1/2021 Chen D32/22
D912,344 S * 3/2021 Choi D32/21
D915,697 S * 4/2021 Kim B01D 46/0023
D32/18
D918,504 S * 5/2021 Kim D32/31
D920,609 S * 5/2021 Ma D32/21
D927,103 S * 8/2021 Zou D32/18
D932,124 S * 9/2021 Lin D32/22
D946,221 S * 3/2022 Ma D32/18
D947,472 S * 3/2022 He D32/18
D948,142 S * 4/2022 He D32/18
2020/0214523 A1 * 7/2020 Kim A47L 5/24
2021/0121033 A1 * 4/2021 Kwak A47L 9/281
2022/0022711 A1 * 1/2022 Lee A47L 9/242

* cited by examiner

Primary Examiner — Tracey J Bell

(57) **CLAIM**

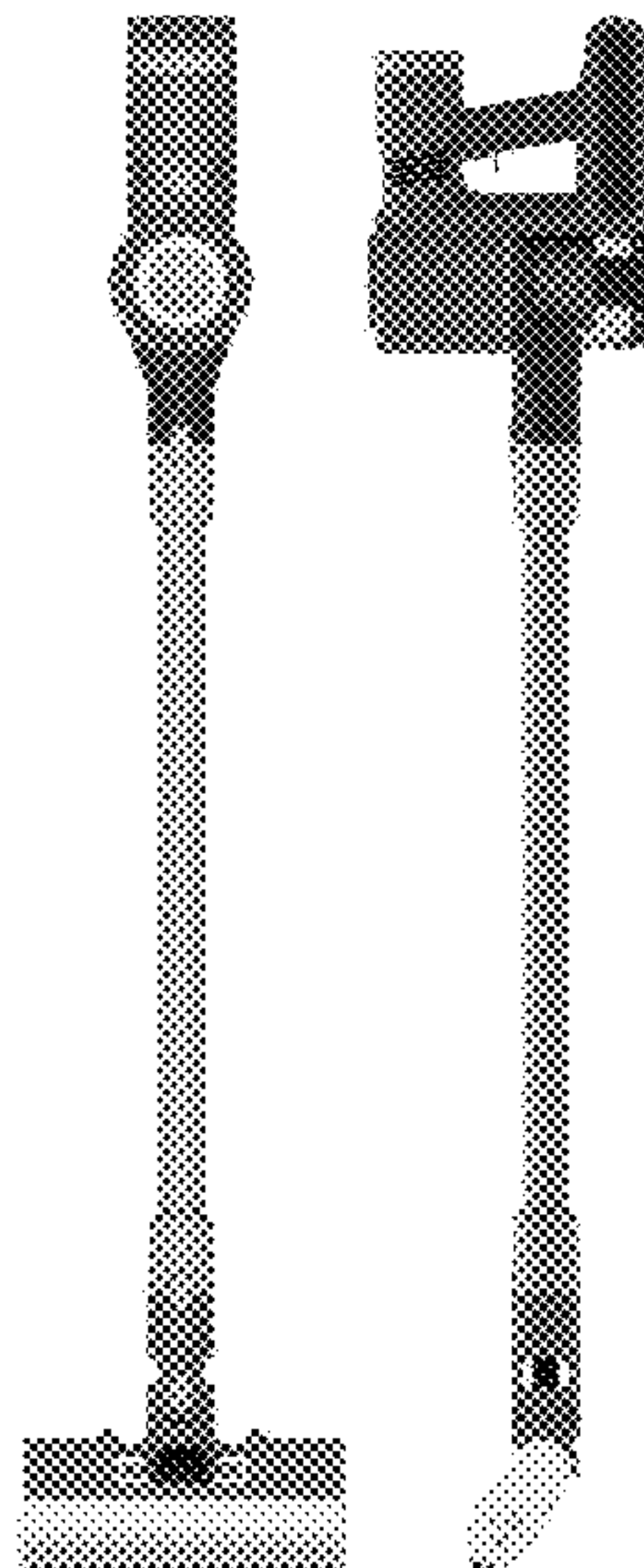
The ornamental design for a handheld vacuum cleaner, as shown and described.

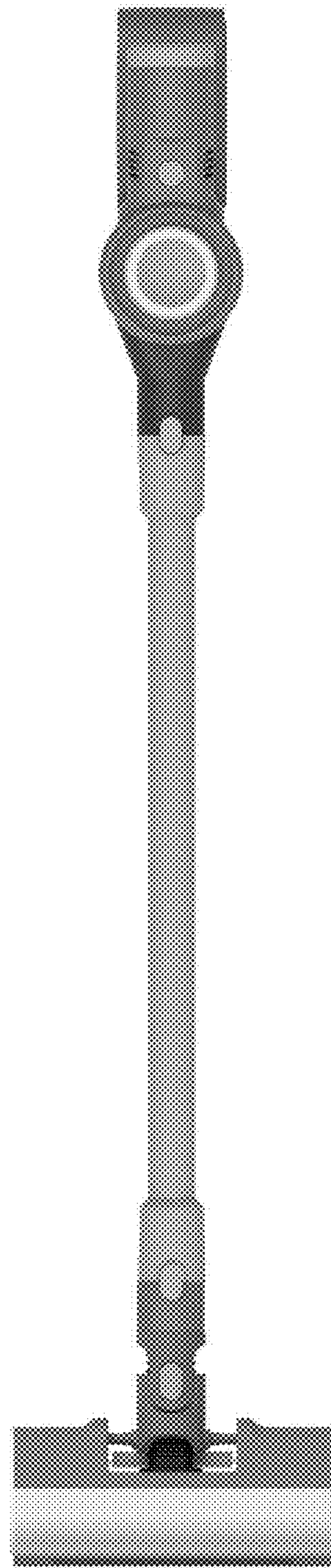
DESCRIPTION

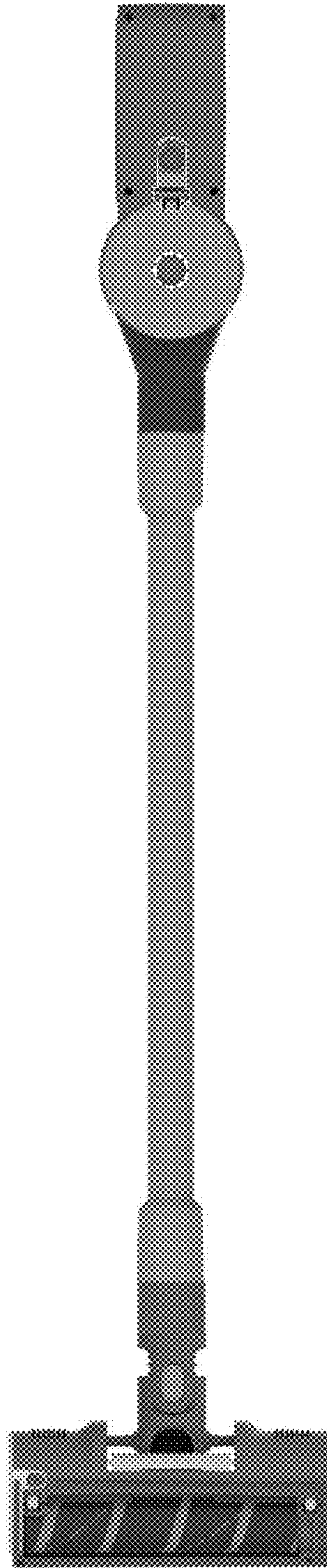
- 1. Handheld vacuum cleaner
- 1.1 : Front
- 1.2 : Back
- 1.3 : Left
- 1.4 : Right
- 1.5 : Top
- 1.6 : Bottom
- 1.7 : Perspective

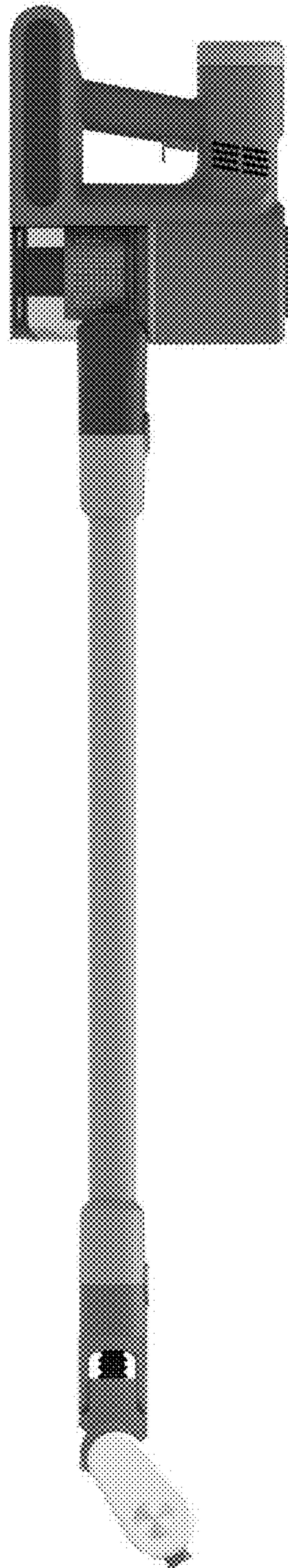
Portions within the broken lines in Fig. 1.2 show environment and form no part of the claimed design.

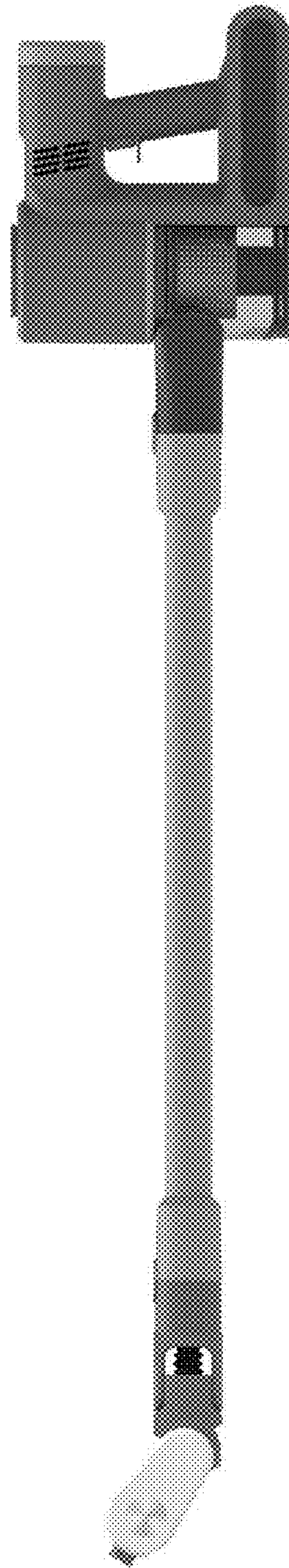
1 Claim, 7 Drawing Sheets

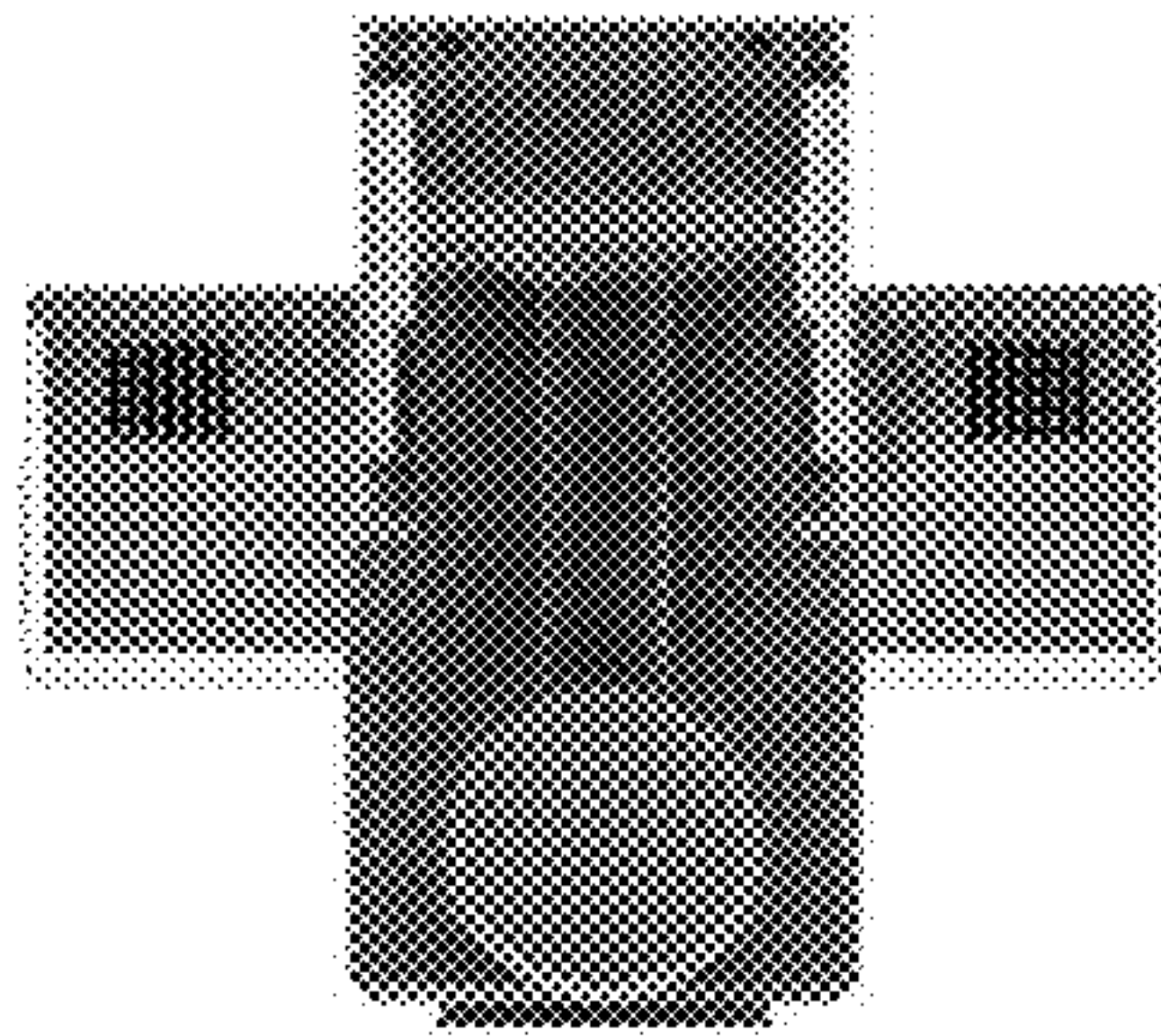




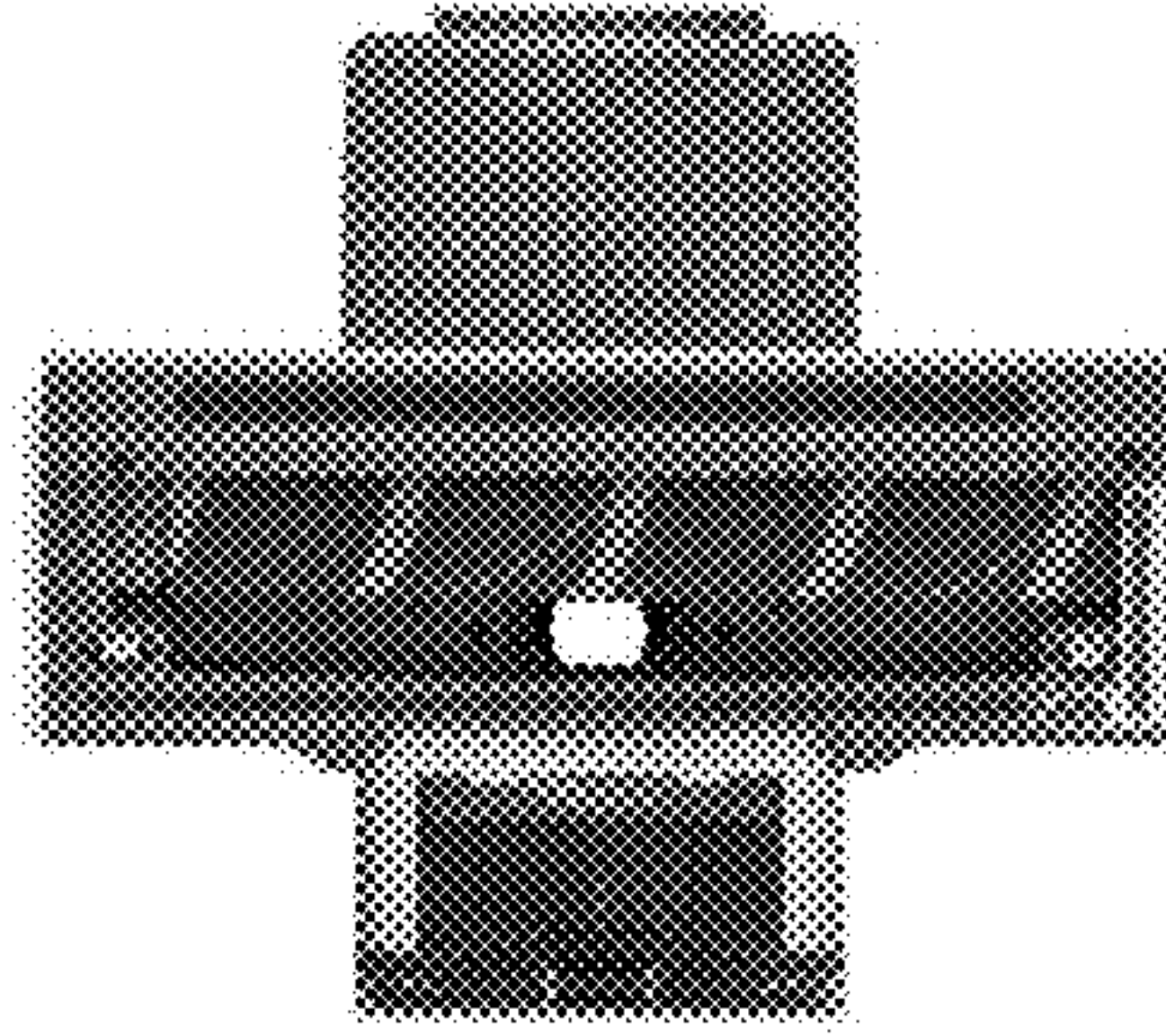








1.5



1.6

