

US00D799204S

(12) **United States Design Patent** (10) **Patent No.:** **US D799,204 S**
Constantine et al. (45) **Date of Patent:** **** Oct. 10, 2017**

(54) **TOOL HOLDER ASSEMBLY**

(71) Applicant: **Acme United Corporation**, Fairfield, CT (US)

(72) Inventors: **Richard S. Constantine**, Monroe, CT (US); **Siu-Leung Tang**, Hong Kong (CN)

(73) Assignee: **Acme United Corporation**, Fairfield, CT (US)

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

(21) Appl. No.: **29/570,813**

(22) Filed: **Jul. 12, 2016**

(51) **LOC (10) Cl.** **03-01**

(52) **U.S. Cl.**
USPC **D3/228**

(58) **Field of Classification Search**
USPC D3/228, 282, 289, 300, 301, 302;
224/406; D23/209, 200, 207; 210/464,
210/232, 238, 263, 264, 282, 444, 450,
210/459, 460; 55/503; D27/101;
D7/392, 509–511, 605; D19/41, 45, 46,
D19/51; D9/428, 449, 453, 454,
D9/500–575, 682, 656, 723; 220/660,
220/662, 669–673, 675
CPC B23H 5/00; B25H 1/00; B63B 25/004;
B26D 7/01; A45C 3/00; A45C 5/08
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D320,640 S * 10/1991 Goodwin D23/209
D388,154 S * 12/1997 Pesa D23/209
5,985,143 A * 11/1999 Lin B01D 35/30
210/232
D586,252 S * 2/2009 Kittelsen D11/80
D631,169 S * 1/2011 Cheeley D24/224
D633,745 S * 3/2011 Ross D7/300.1

D655,036 S * 2/2012 Zhou D27/101
8,778,182 B2 * 7/2014 Johnson B01D 63/10
210/106
8,932,465 B2 * 1/2015 Wells B01D 29/21
210/232
D721,958 S * 2/2015 Hamway D9/436
D752,177 S * 3/2016 Enomoto D23/207
9,517,426 B2 * 12/2016 Pascale Neto B01D 29/11
9,562,703 B2 * 2/2017 Base F24H 9/00
9,603,387 B2 * 3/2017 Liu A24F 47/008
D783,117 S * 4/2017 Gilbarte D22/117
9,649,443 B2 * 5/2017 Klintenstedt A61M 5/3135

(Continued)

OTHER PUBLICATIONS

A Machinist's Guide to Toolholder Maintenance, Modern Machine Shop, Dec. 12, 2011, Edited by Matt Danford, [online], [site visited May 23, 2017]. <URL: <http://www.mmsonline.com/articles/a-machinists-guide-to-toolholder-maintenance>>.*

(Continued)

Primary Examiner — T. Chase Nelson

Assistant Examiner — Jonathan J Han

(74) *Attorney, Agent, or Firm* — Alix, Yale & Ristas, LLP

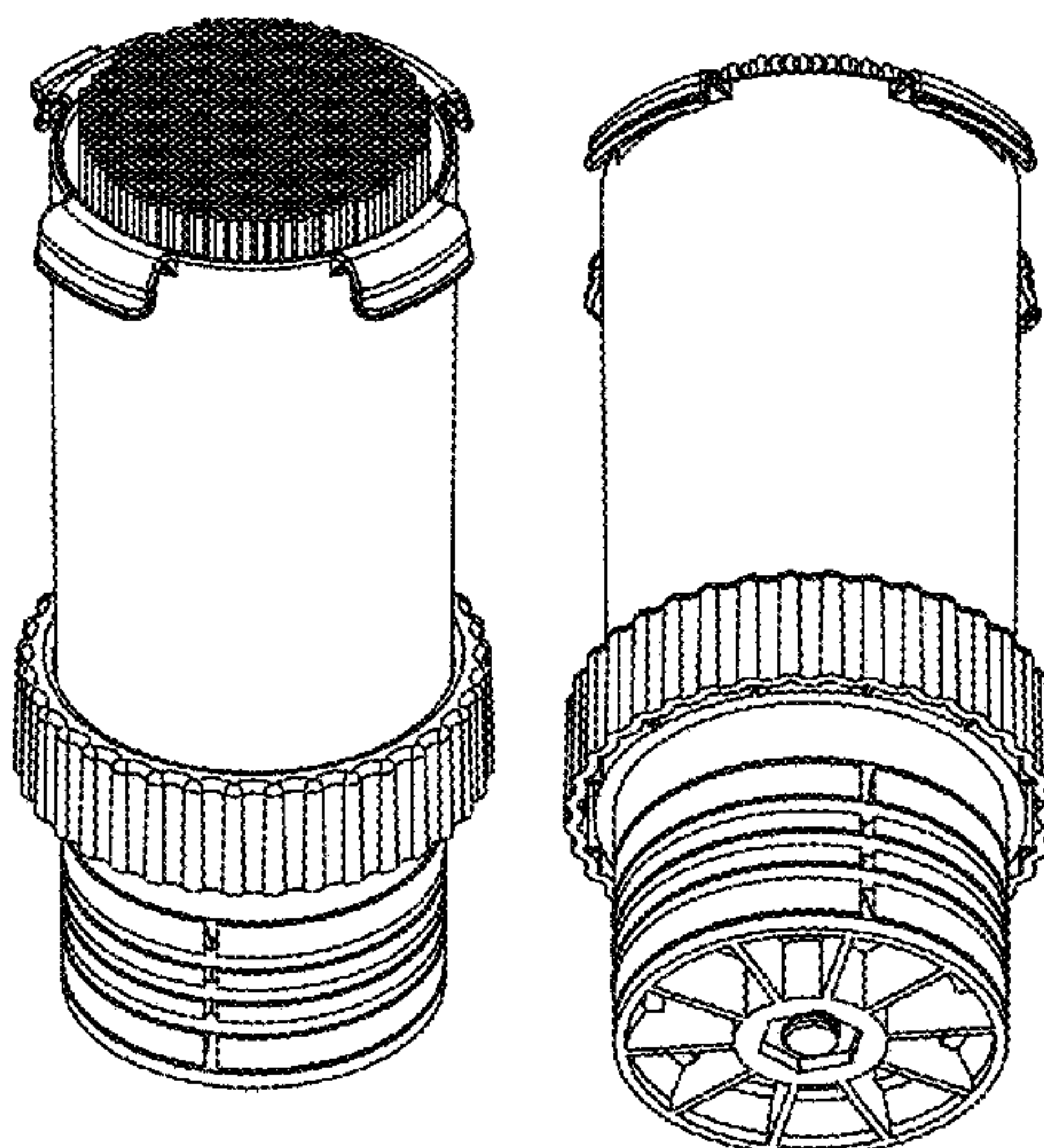
(57) **CLAIM**

The ornamental design for a tool holder assembly, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a tool holder assembly;
FIG. 2 is a perspective view thereof taken from a generally lower position thereof;
FIG. 3 is a front view thereof;
FIG. 4 is a rear view thereof;
FIG. 5 is a right side view thereof;
FIG. 6 is a left side view thereof;
FIG. 7 is a top plan view thereof; and,
FIG. 8 is a bottom plan view thereof.

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2005/0178706 A1 *

8/2005

Bagci

.....

B01D 29/21

210/130

2008/0251402 A1 *

10/2008

Chiu

.....

B25H 3/003

206/377

2009/0078098 A1 *

3/2009

Lee

.....

B21D 28/12

83/140

2011/0042294 A1 *

2/2011

Bonta

.....

B01D 29/073

210/232

2013/0025454 A1 *

1/2013

Moredock

.....

B01D 45/12

95/268

2013/0327696 A1 *

12/2013

Bagci

.....

F02M 37/22

210/232

2014/0061111 A1 *

3/2014

Pavel

.....

B01D 65/00

210/232

2014/0182610 A1 *

7/2014

Liu

.....

A24F 47/008

131/329

2014/0260851 A1 *

9/2014

Beaudry

.....

B26D 7/2614

83/56

2014/0262866 A1 *

9/2014

Burrous

.....

B65D 85/04

206/225

2015/0076052 A1 *

3/2015

Fisher

.....

B01D 35/30

210/232

2015/0128977 A1 *

5/2015

Li

.....

H05B 3/06

131/329

2015/0290792 A1 *

10/2015

Escamilla

.....

B25H 1/00

7/151

2016/0167188 A1 *

6/2016

Davis

.....

B24B 3/247

451/48

2016/0271521 A1 *

9/2016

Shmidt

.....

C02F 1/003

OTHER PUBLICATIONS

Stainless Steel Cartridge Filter—Three Types for Choice, MataFilter.org, [online], [site visited May 23, 2017]. <URL: <http://www.metalfilter.org/metalfilter/stainless-sintered-filter-cartridge.html>>.*

Lab LCR005 Cylinder Removal Tool, Absupply.net, [online], [site visited May 23, 2017]. <URL: <https://absupply.net/lab-lcr005-cylinder-cap-removal-too.aspx>>.*

Kalt 35mm Cassette for Bulk Film (Plastic, 1 Cassette), Bhphoto.com, [online], [site visited May 23, 2017]. <URL: <https://www.bhphotovideo.com/bnh/controller/home?A=details&O=&Q=&ap=y&c3api=1876%2C%7Bcreative%7D%2C%7Bkeyword%7D&gclid=COG7t9CUh9QCFRGBswodbX4GiQ&is=REG&m=Y&sku=86473>>.*

* cited by examiner

Fig. 1

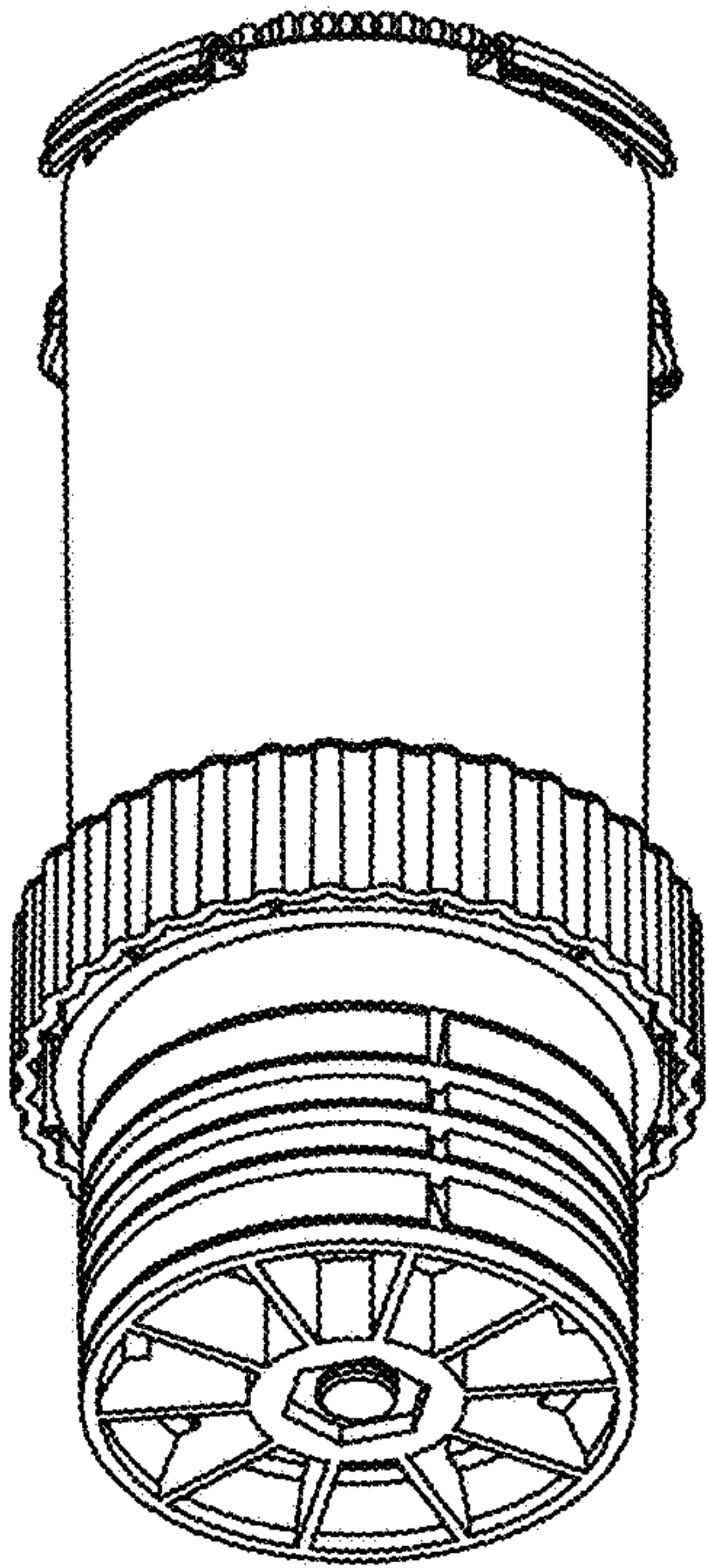
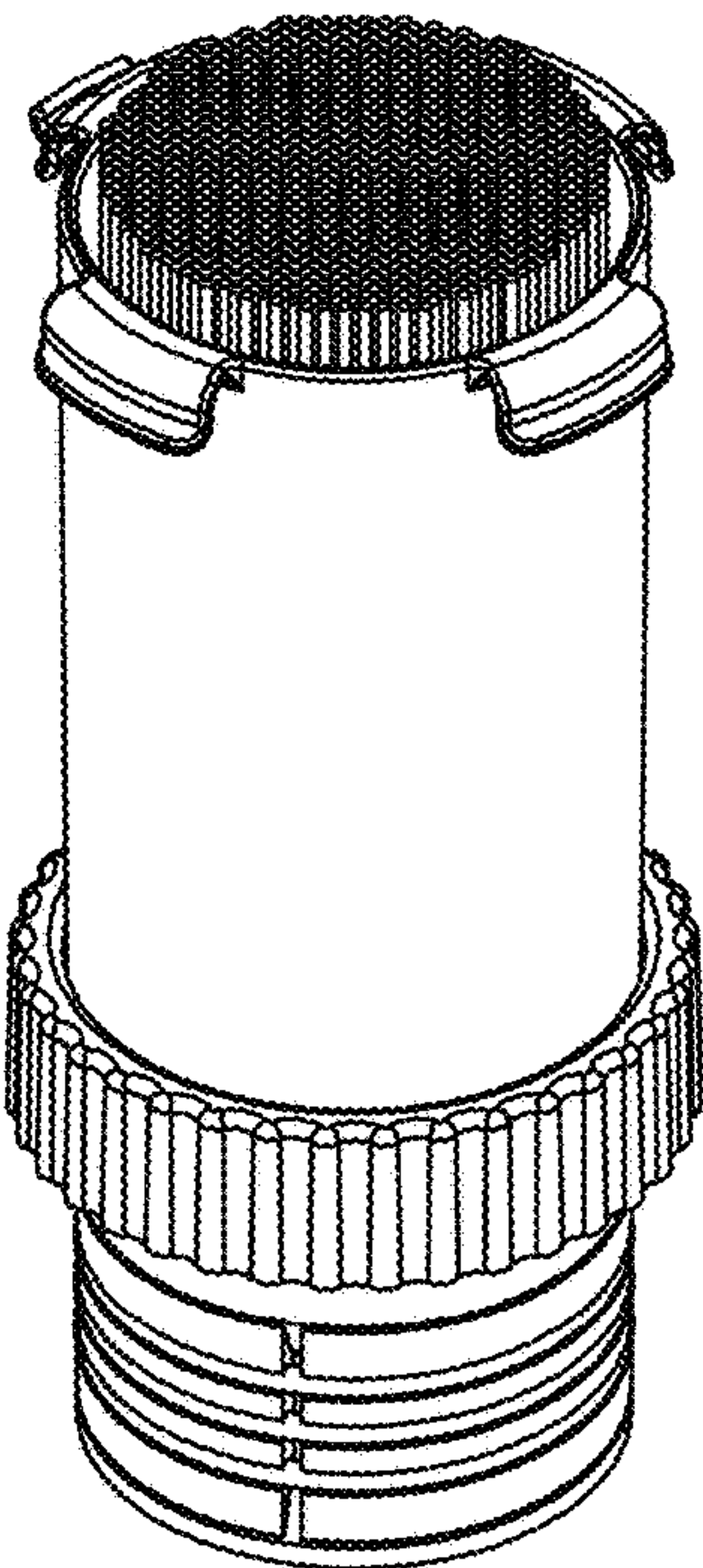


Fig. 2

Fig. 3

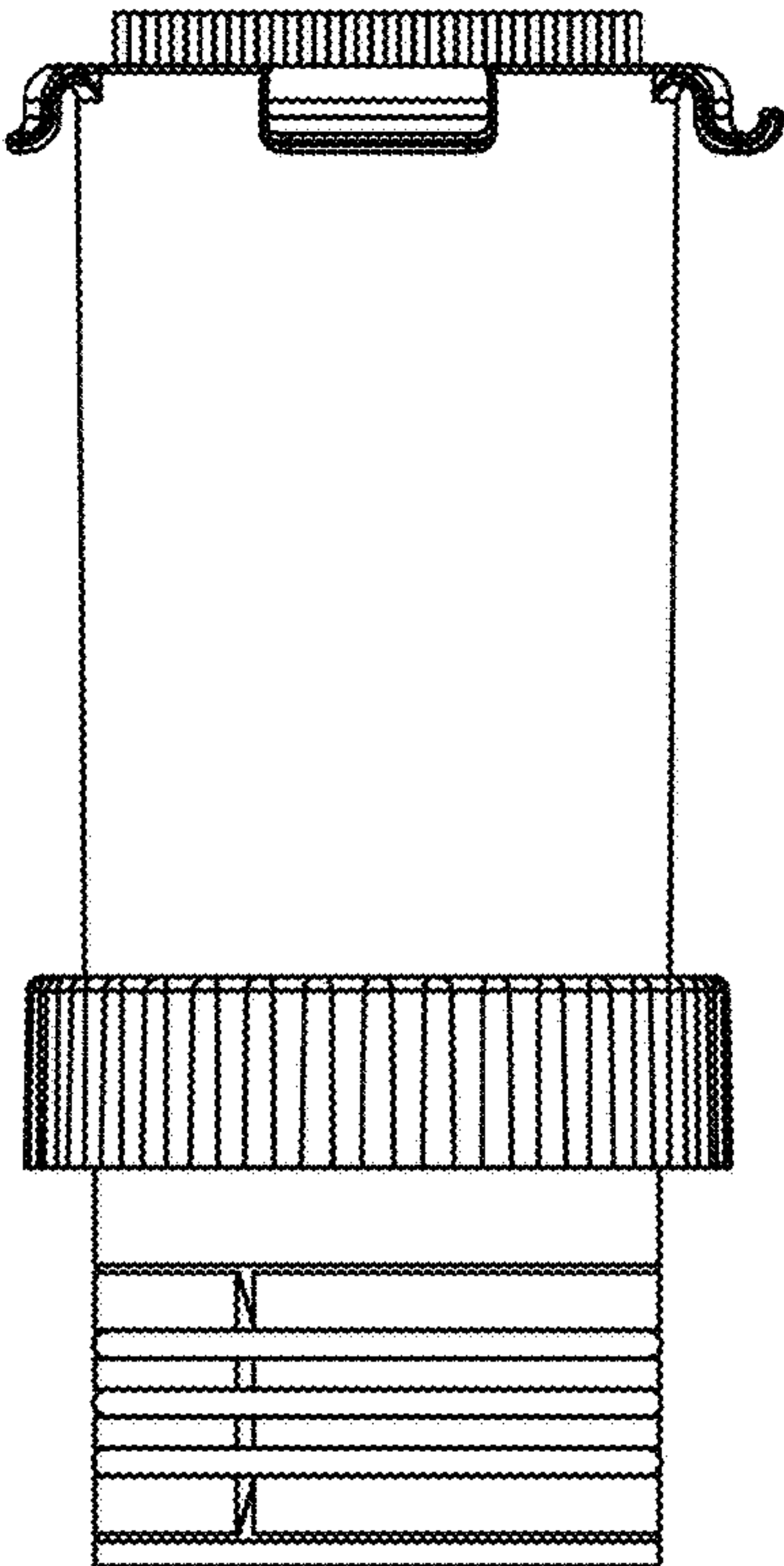
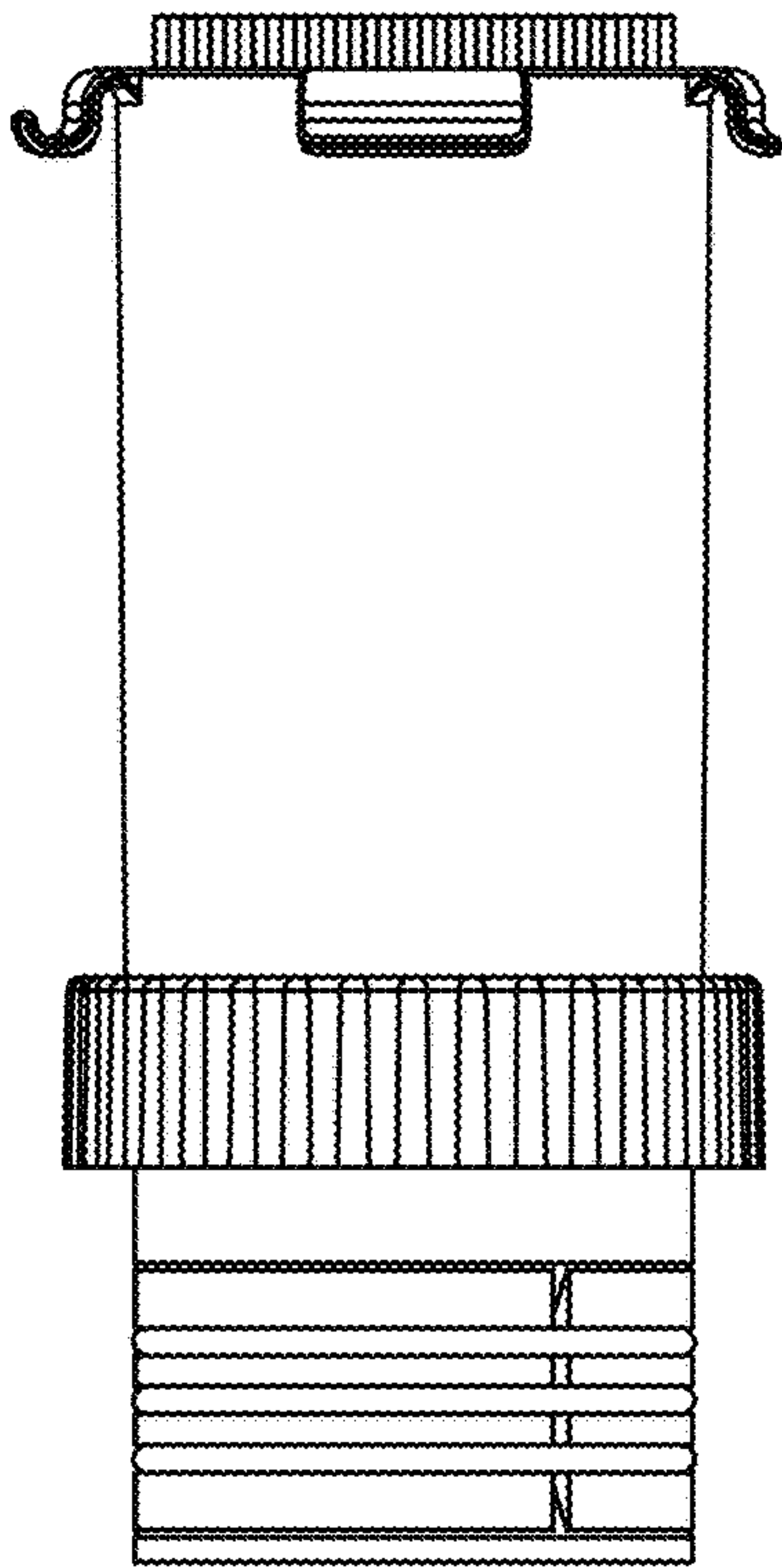


Fig. 4

Fig. 5

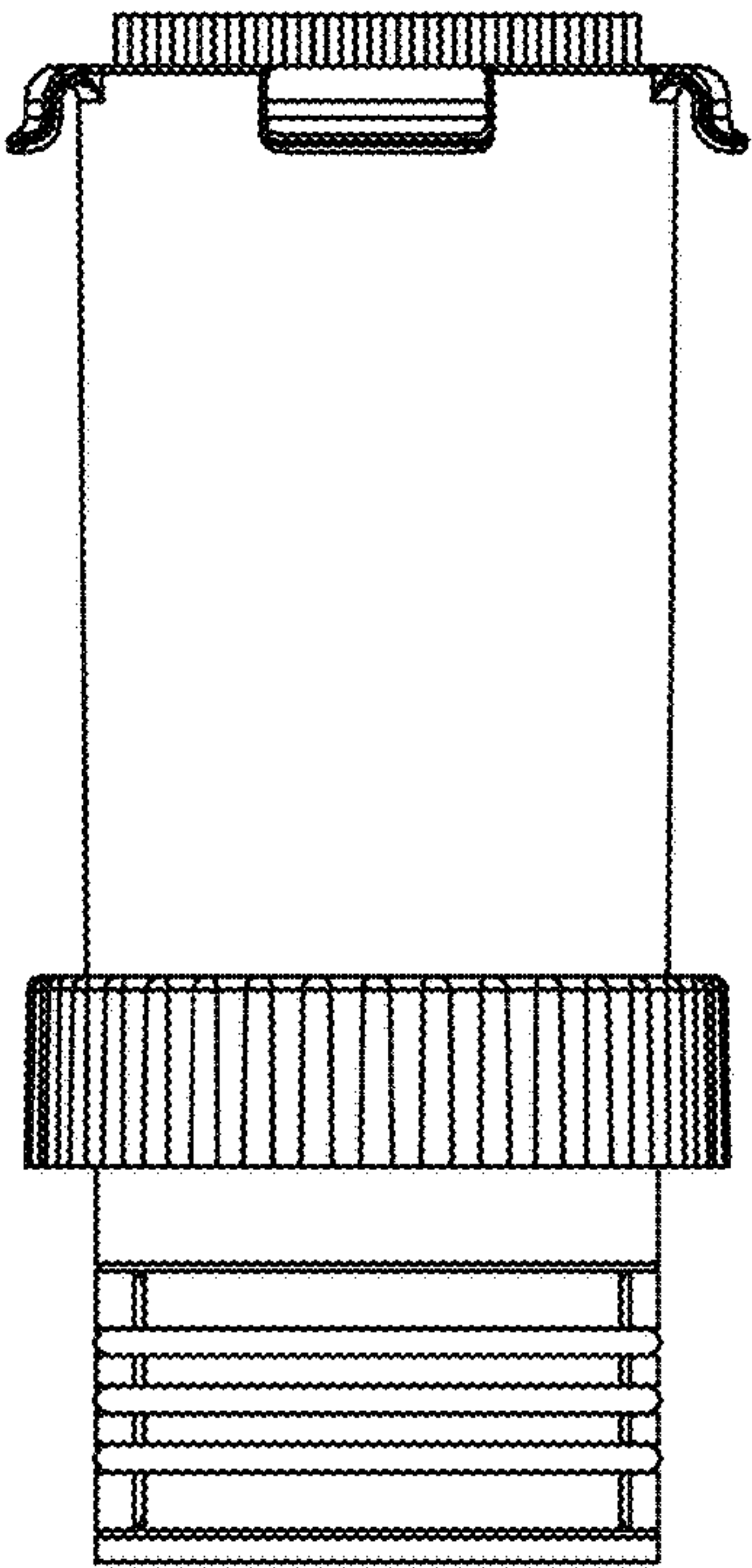
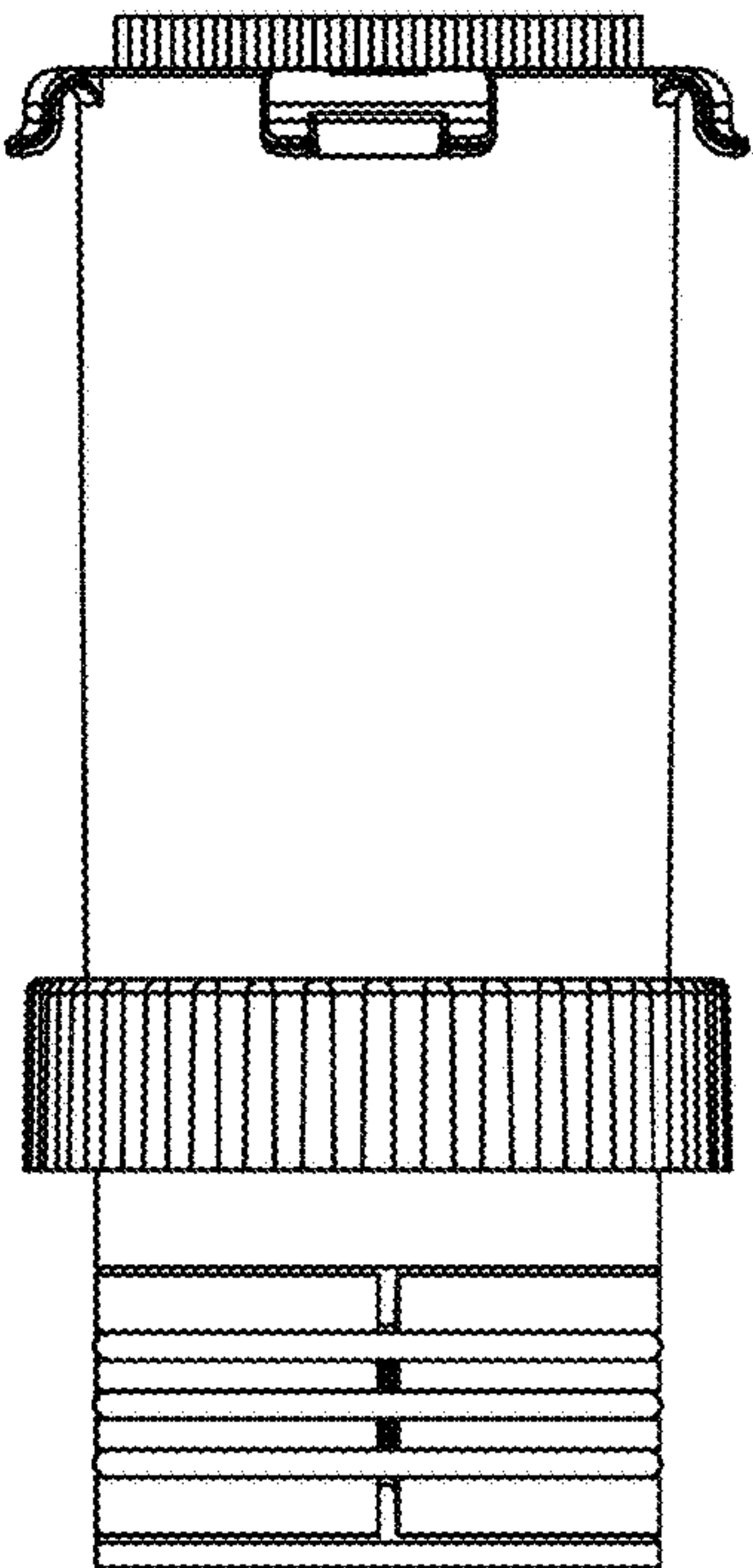


Fig. 6

Fig. 7

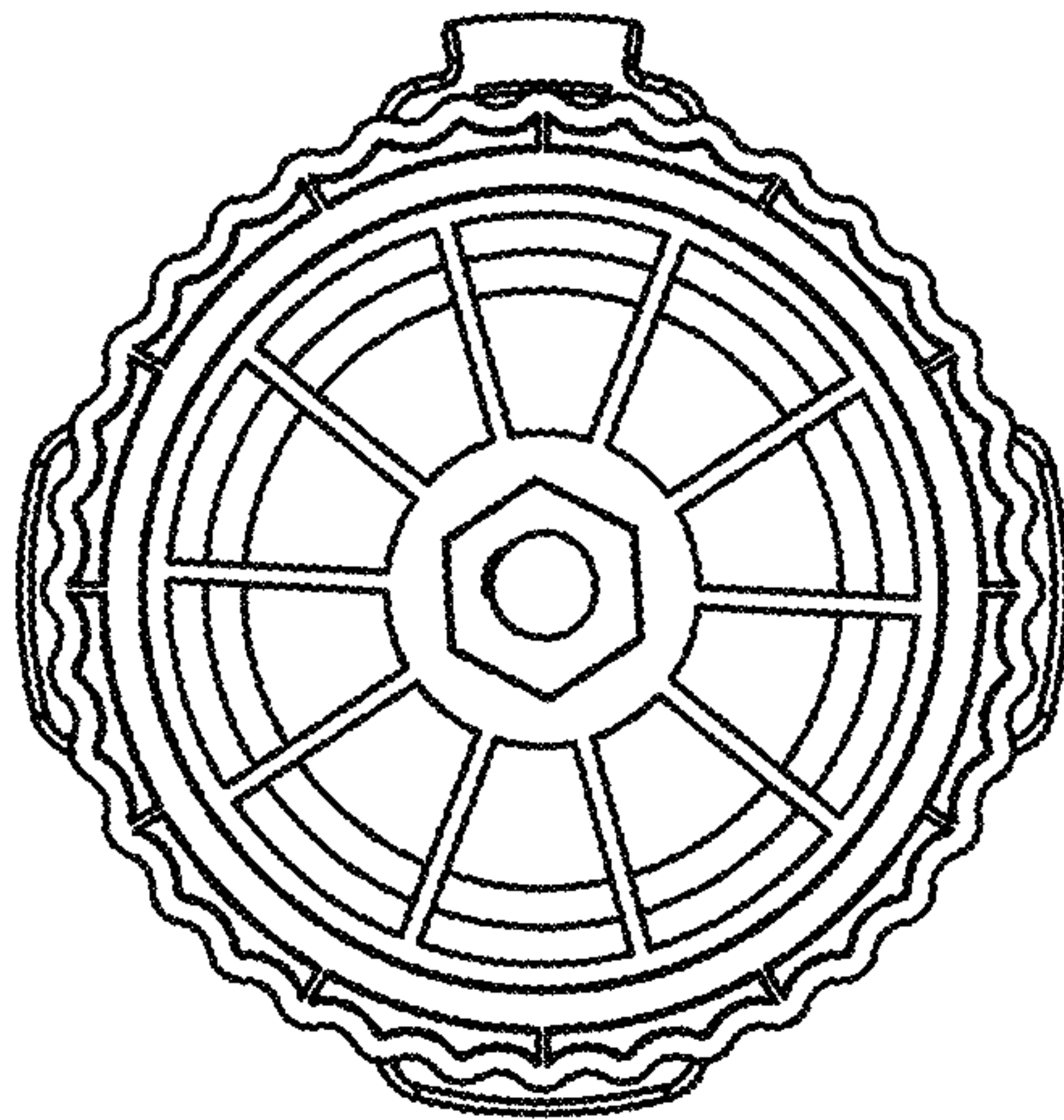
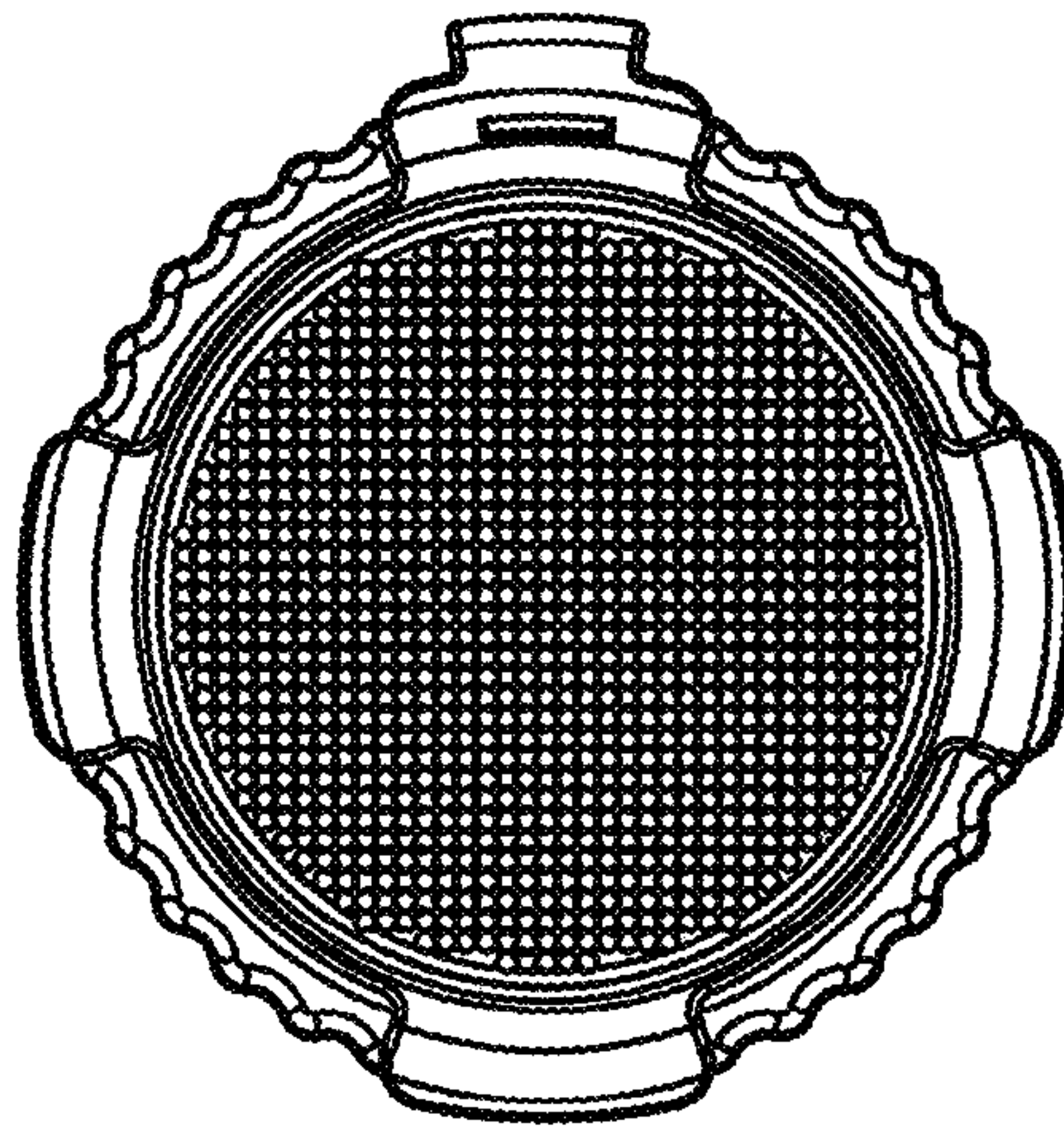


Fig. 8