



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

(10) **Patent No.:** **US D912,199 S**
(45) **Date of Patent:** **** Mar. 2, 2021**

(54) **CYLINDER**

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

(21) Appl. No.: **29/686,600**

(22) Filed: **Apr. 5, 2019**

(51) **LOC (13) Cl.** **09-01**

(52) **U.S. Cl.**
USPC **D23/205**

(58) **Field of Classification Search**
USPC D23/202, 205, 206, 213, 225; D34/39;
D24/164; D7/313
CPC F17C 1/00; F17C 1/02; F17C 1/06; F17C
13/04; F17C 13/08
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D105,512 S * 8/1937 Brandt D7/313
3,929,042 A * 12/1975 Blocker F16K 1/308
81/124.7

(Continued)

FOREIGN PATENT DOCUMENTS

CN 300683771 * 6/2006
JP D1541921 * 6/2015
WO D209968-001 * 4/2020

OTHER PUBLICATIONS

Composite Propane Tank, announced Jan. 23, 2018[online], [site
visited Nov. 5, 2020]. Available from internet, URL:<https://www.
amazon.ca/dp/B014V9H6R0> (Year: 2018).*

(Continued)

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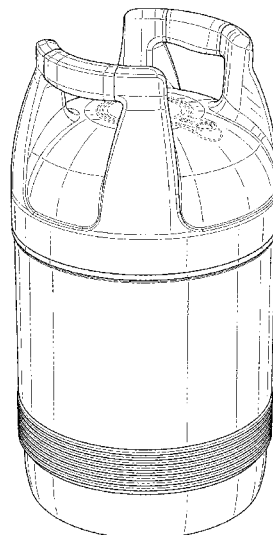
(57) **CLAIM**

The ornamental design for a cylinder, as shown and
described.

DESCRIPTION

FIG. 1 is first top front perspective view of a cylinder
showing a new design;
FIG. 2 is a first top rear perspective view of the cylinder
illustrated in FIG. 1;
FIG. 3 is a second top rear perspective view of the cylinder
illustrated in FIG. 1;
FIG. 4 is a second top front perspective view of the cylinder
illustrated in FIG. 1;
FIG. 5 is a bottom front perspective view of the cylinder
illustrated in FIG. 1;
FIG. 6 is a bottom rear perspective view of the cylinder
illustrated in FIG. 1;
FIG. 7 is a front view of the cylinder illustrated in FIG. 1;
FIG. 8 is a left side view of the cylinder illustrated in FIG.
1;
FIG. 9 is a rear view of the cylinder illustrated in FIG. 1;
FIG. 10 is a right side view of the cylinder illustrated in FIG.
1;
FIG. 11 is a top view of the cylinder illustrated in FIGS. 1;
and,
FIG. 12 is a bottom view of the cylinder illustrated in FIG.
1.
The broken lines shown for the purpose of illustrating parts
of the cylinder and form no part of the claimed design.

1 Claim, 12 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

3,947,942 A * 4/1976 Blocker B25B 13/48
 29/890.121
 D243,530 S * 3/1977 Bodine D23/205
 D306,639 S * 3/1990 Wills D23/205
 D374,959 S * 10/1996 Mull D34/39
 D436,401 S * 1/2001 Remes D24/164
 6,761,194 B1 * 7/2004 Blong F17C 13/084
 141/98
 8,215,517 B2 * 7/2012 Chohfi F17C 1/14
 220/581
 8,863,977 B2 * 10/2014 Koppert F17C 1/16
 220/592
 D746,942 S * 1/2016 Koppert D23/202
 D759,785 S * 6/2016 Hamnvik D23/202
 D809,090 S * 1/2018 Aguiar D23/206
 9,932,148 B2 * 4/2018 Chohfi F17C 1/00
 D845,435 S * 4/2019 Pedrosa D23/225
 D894,521 S * 8/2020 Falvey D34/39
 2010/0126267 A1 * 5/2010 Agam G01F 23/2961
 73/290 V

2010/0147859 A1 * 6/2010 Chohfi F17C 1/14
 220/581
 2011/0168726 A1 * 7/2011 Silva Vieira F17C 1/06
 220/590
 2013/0277376 A1 * 10/2013 Liebenberg B62B 1/26
 220/589
 2014/0332544 A1 * 11/2014 Nolan F17C 13/06
 220/731
 2016/0215928 A1 * 7/2016 Chohfi F17C 1/00
 2019/0353305 A1 * 11/2019 Aguiar F17C 13/04
 2020/0132252 A1 * 4/2020 Silva Vieira F17C 1/02

OTHER PUBLICATIONS

Forklift Cylinder, announced Aug. 7, 2014[online], [site visited
 Nov. 5, 2020]. Available from internet, URL:<<https://www.amazon.ca/dp/B00181Y618>> (Year: 2014).*

Propane Cylinder, announced Aug. 7, 2014[online], [site visited
 Nov. 5, 2020]. Available from internet, URL:<<https://www.amazon.ca/dp/B003UHVVV2>> (Year: 2014).*

* cited by examiner

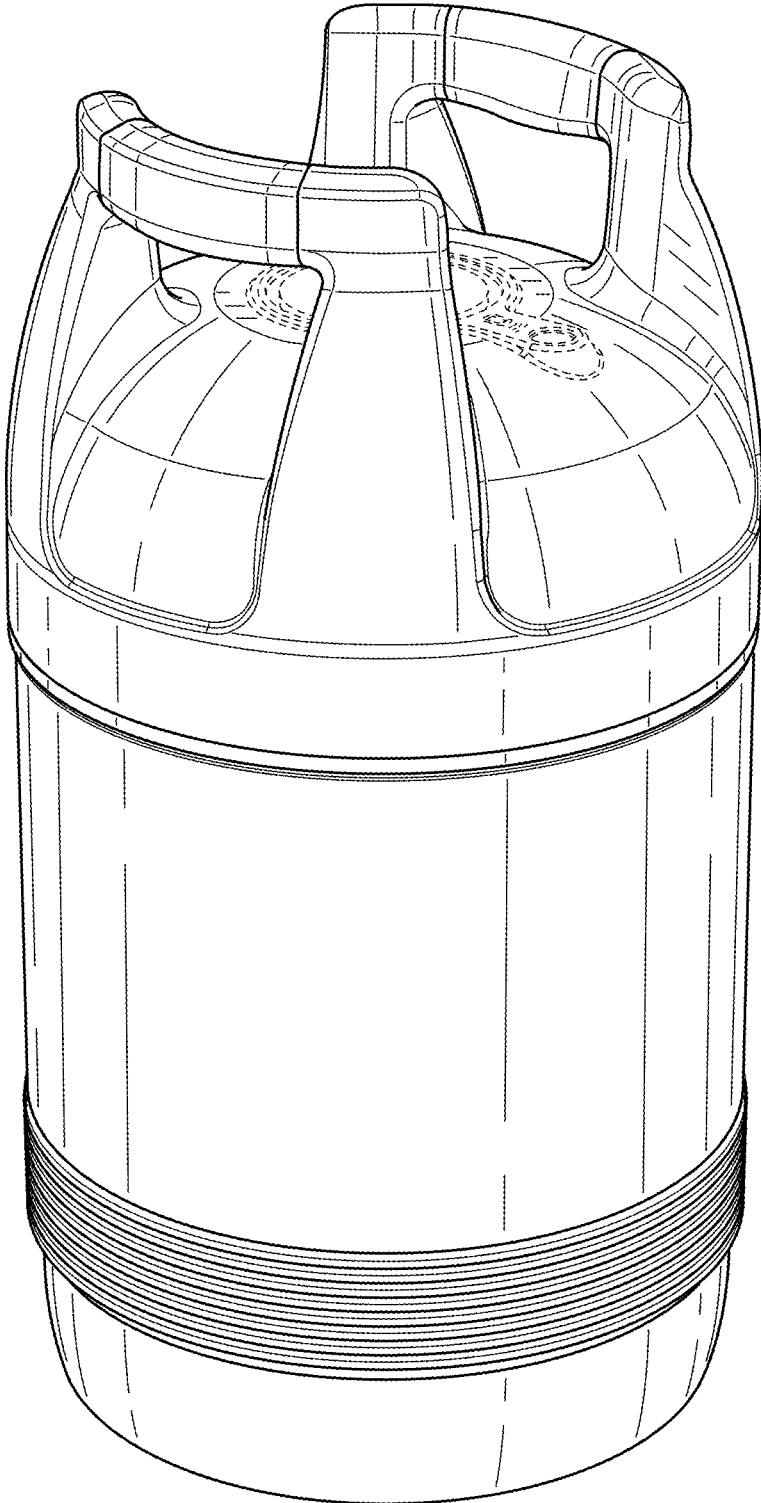


FIG. 1

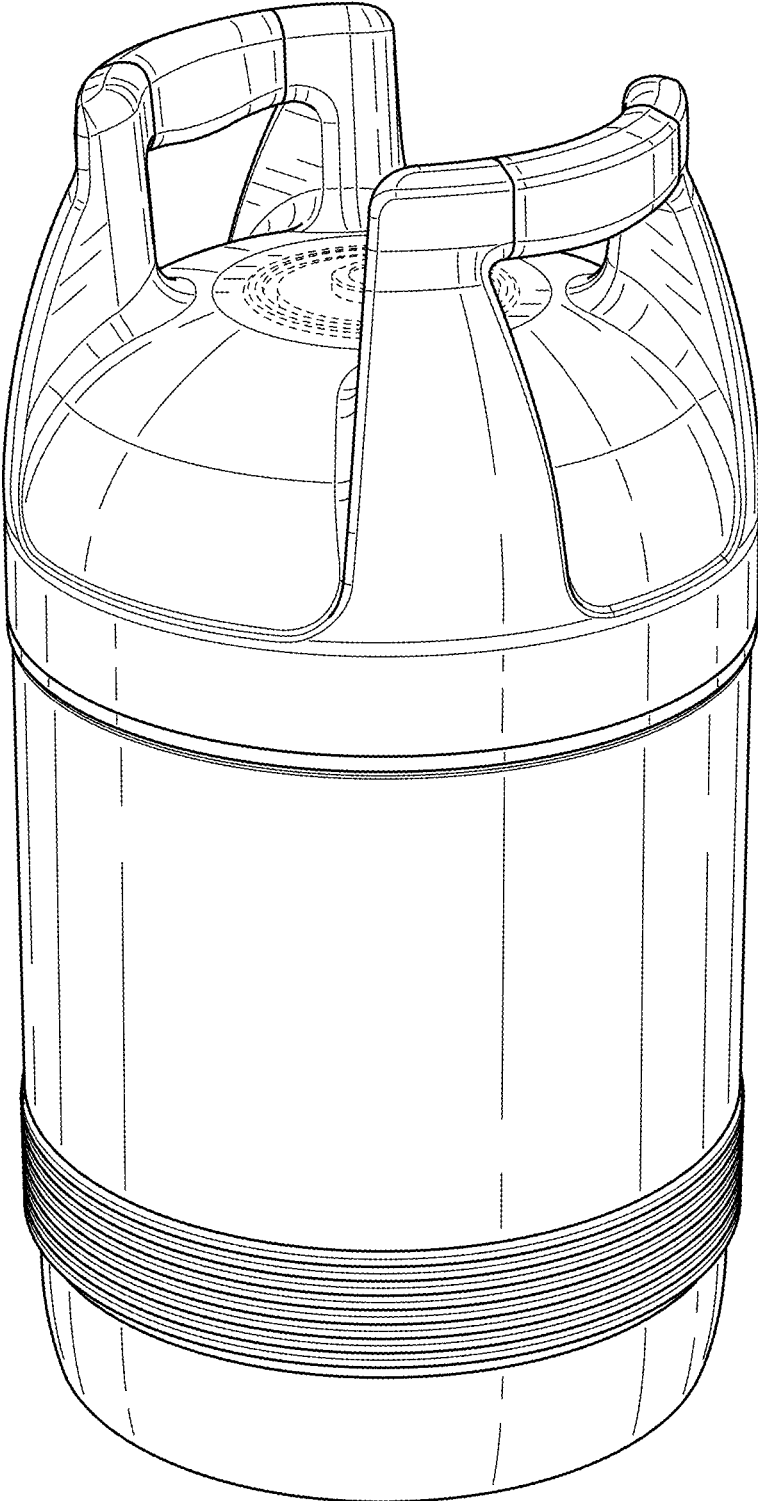


FIG. 2

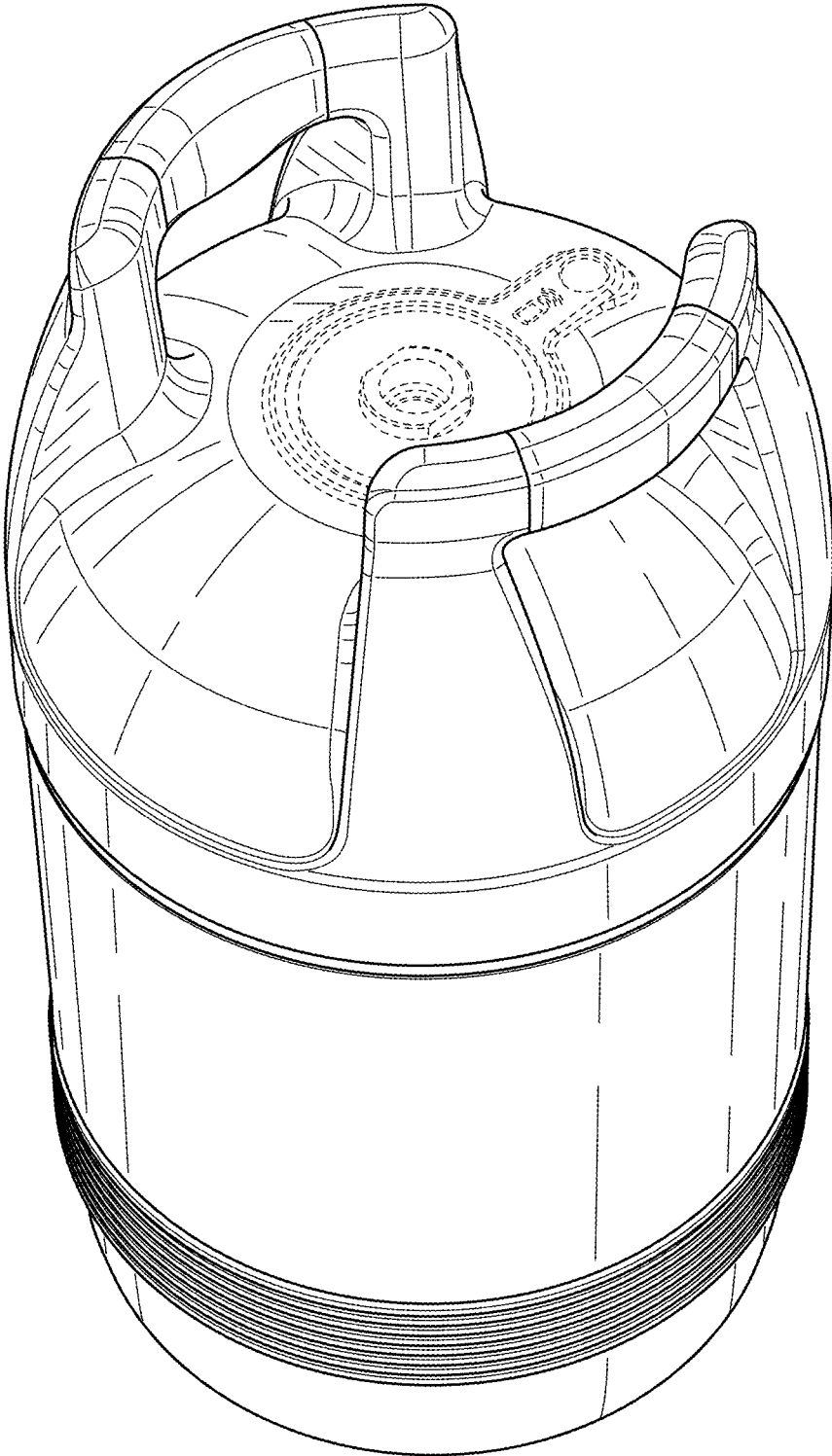


FIG. 3

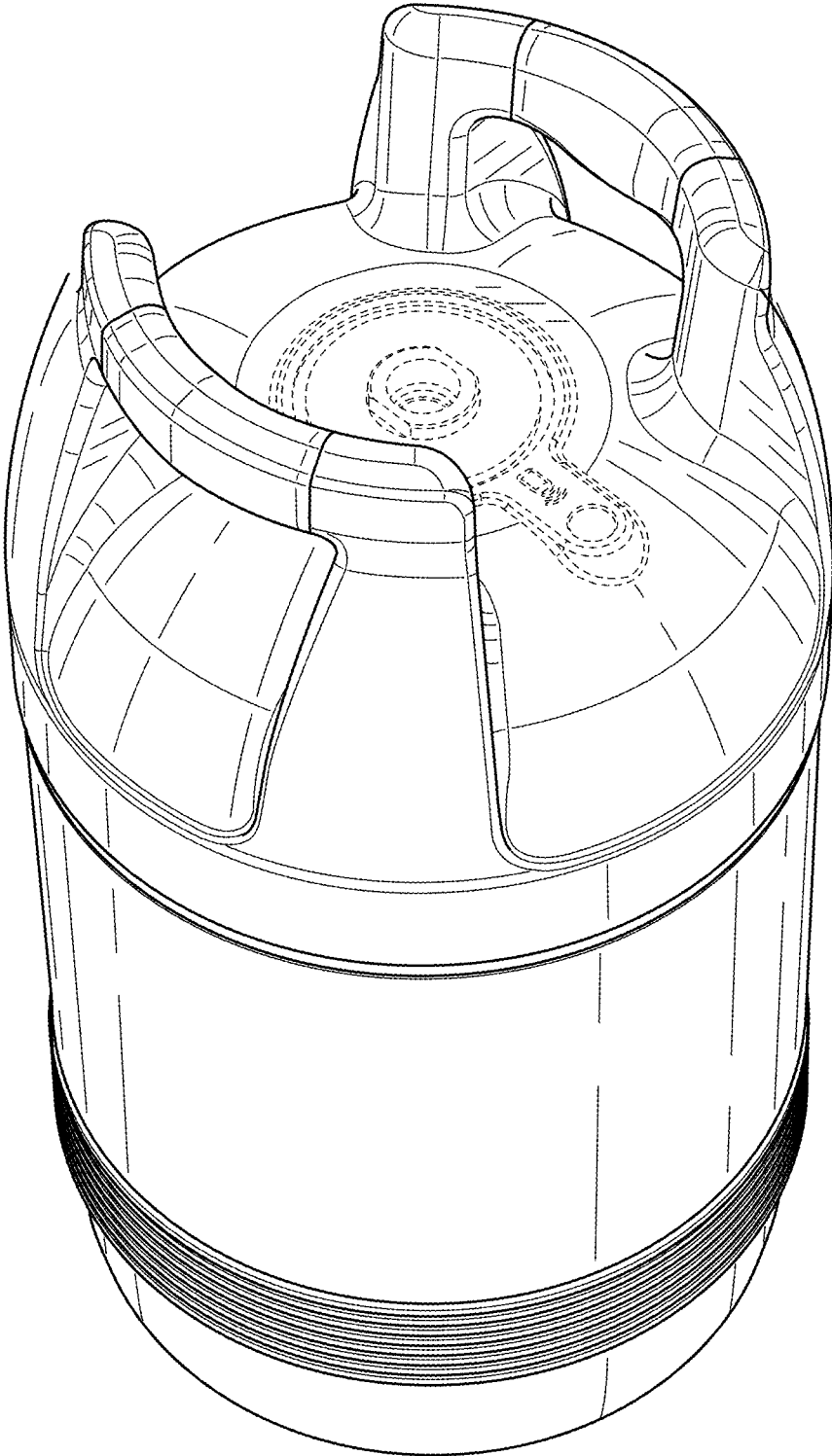


FIG. 4

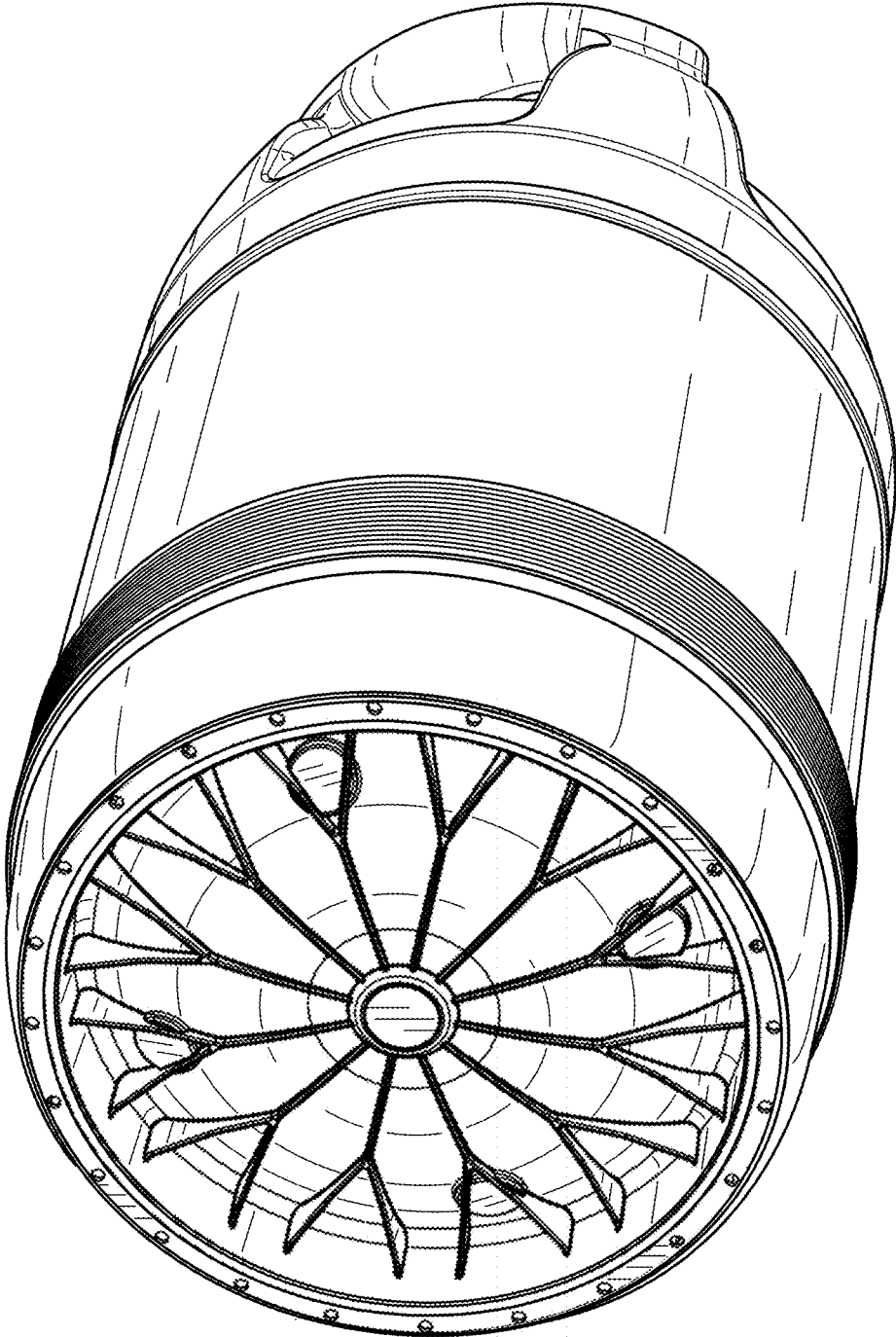


FIG. 5

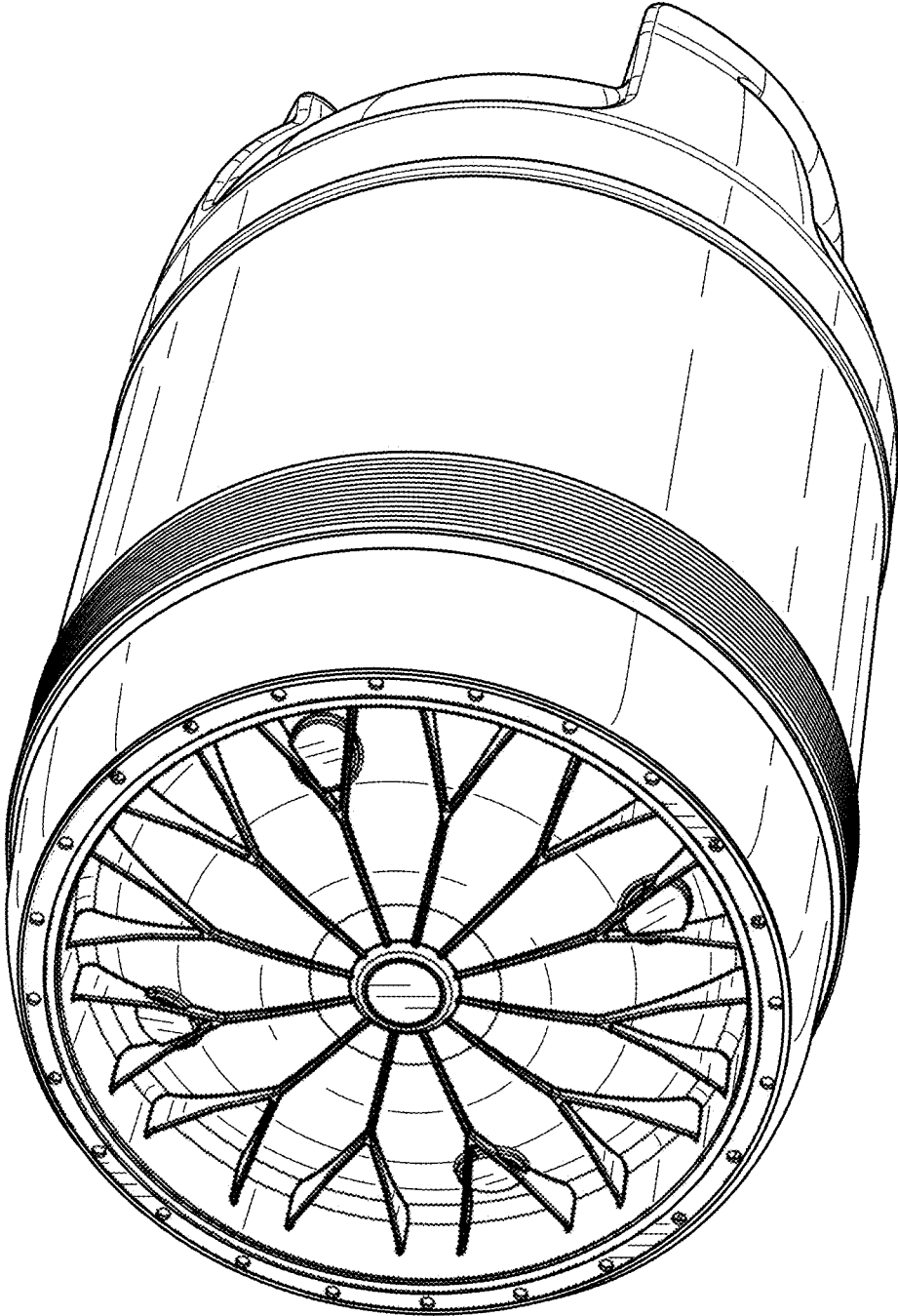


FIG. 6

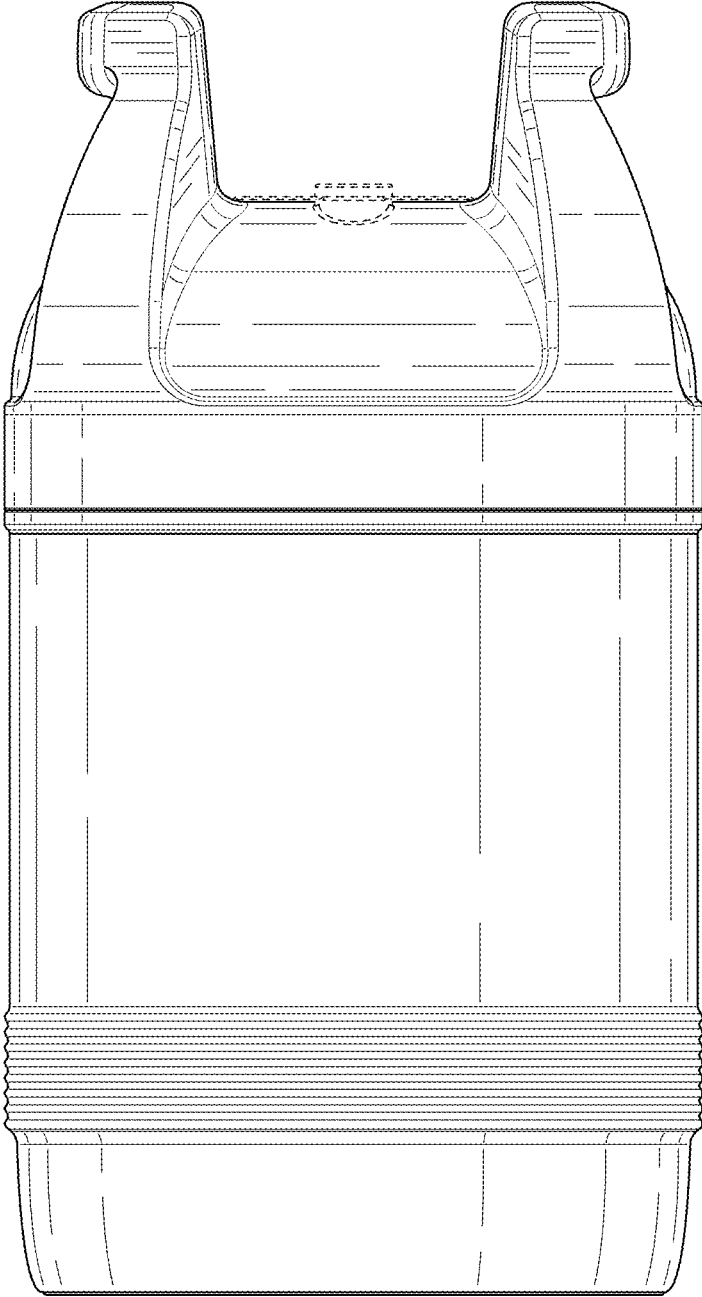


FIG. 7

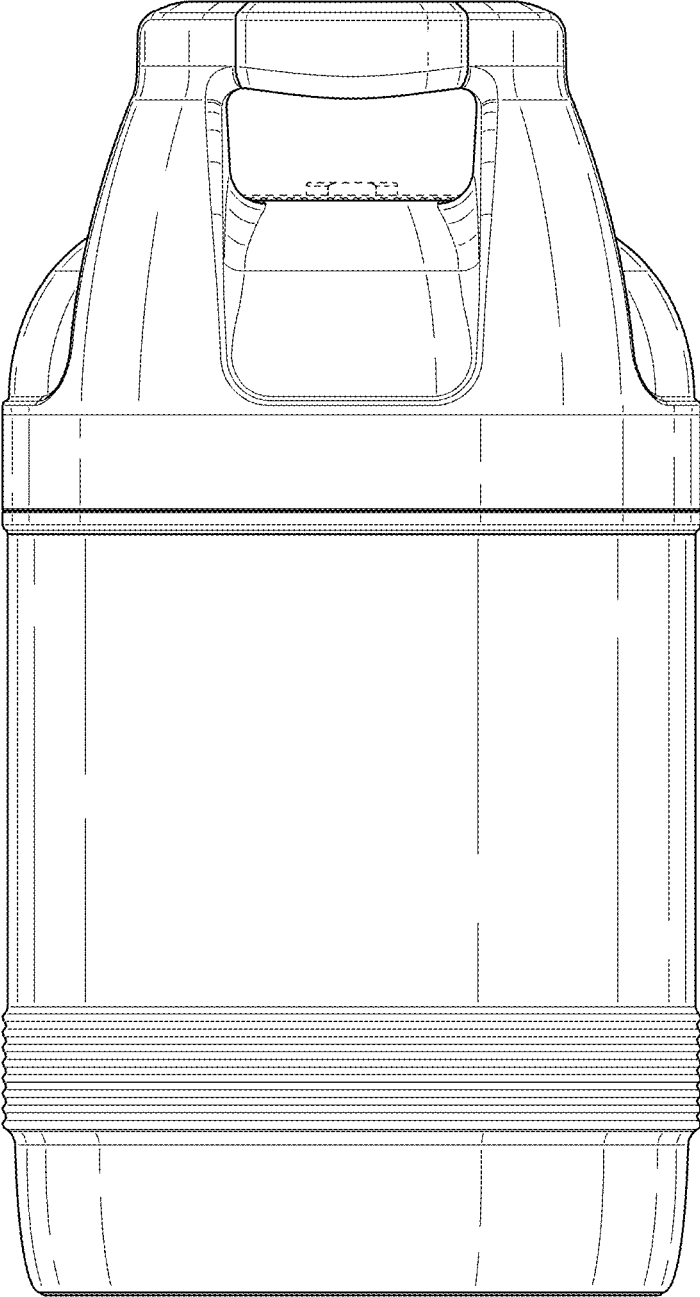


FIG. 8

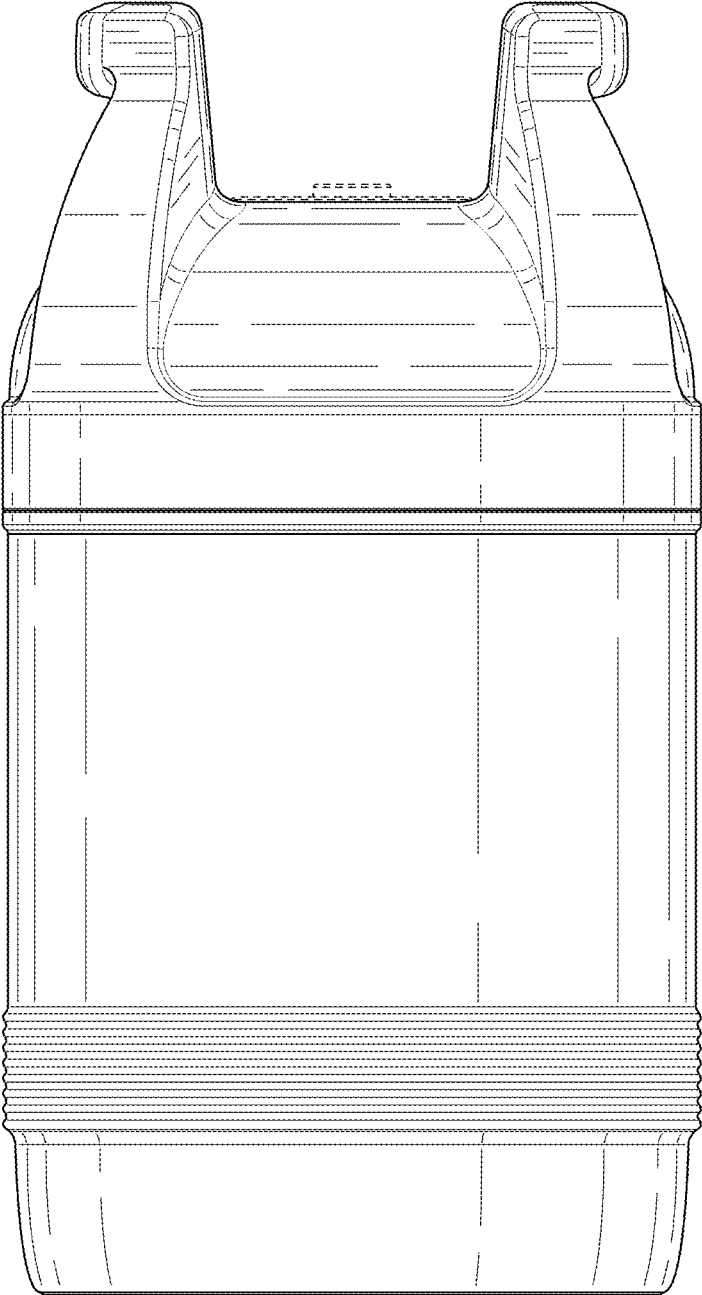


FIG. 9

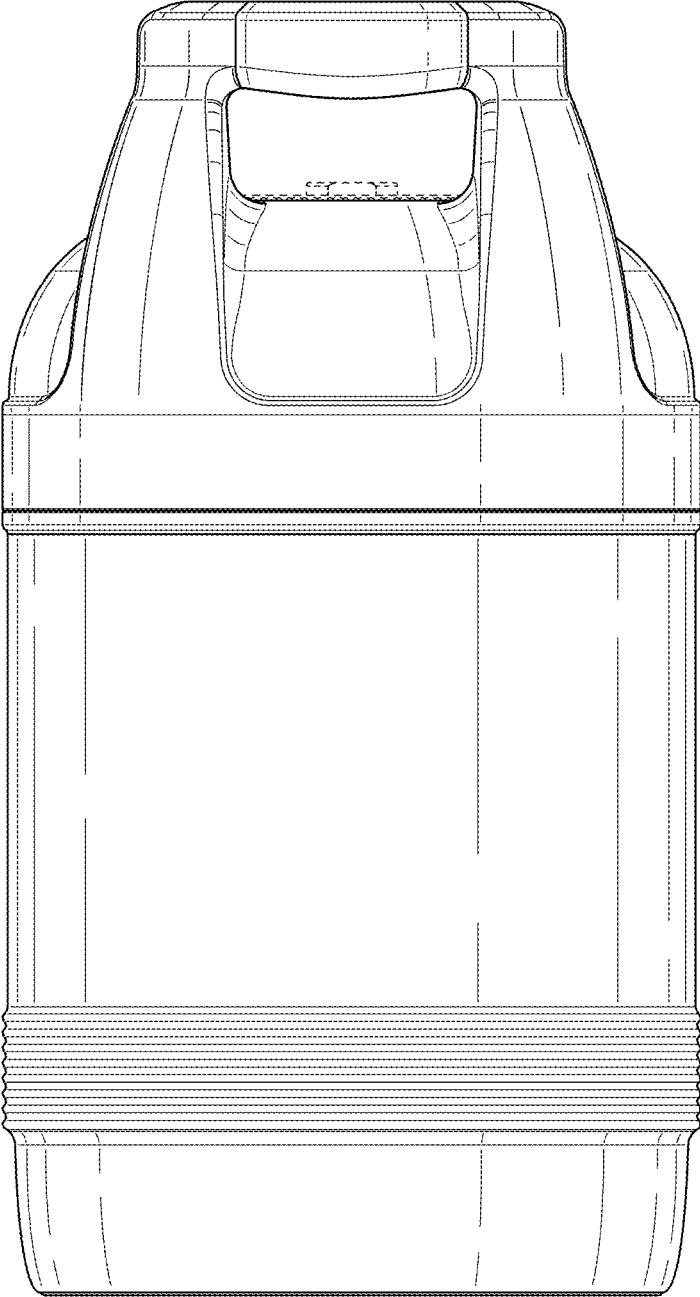


FIG. 10

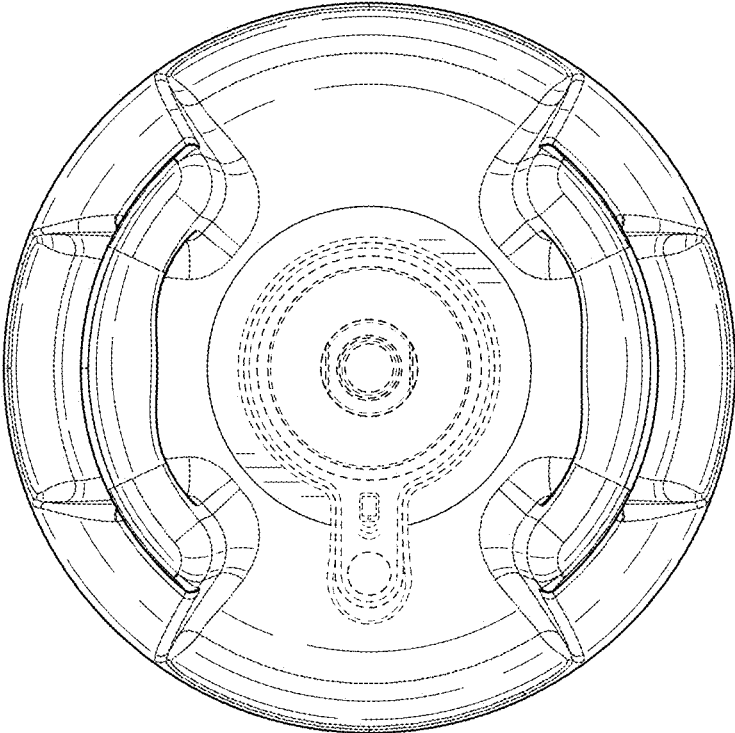


FIG. 11

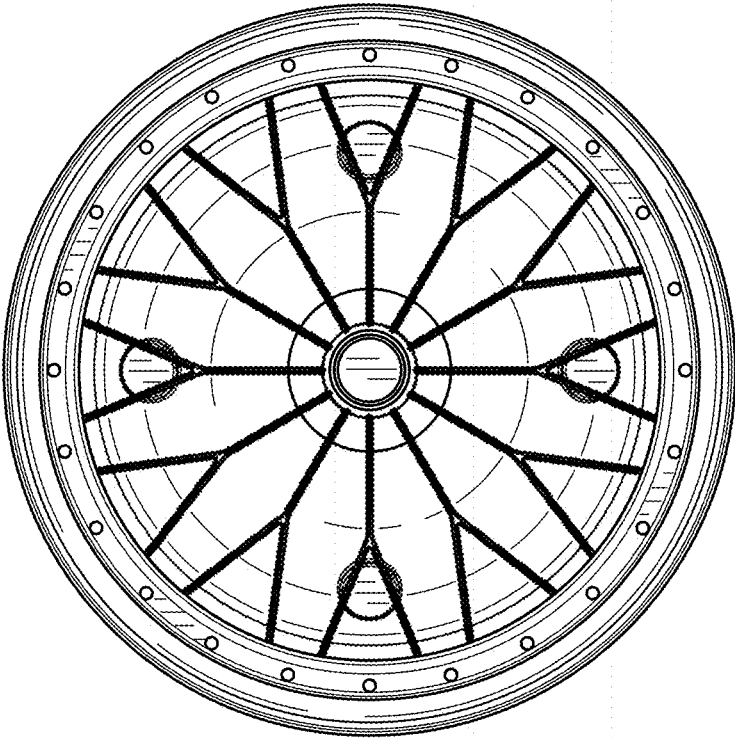


FIG. 12