



US0D1024449S

(12) **United States Design Patent**
Lopez

(10) **Patent No.:** **US D1,024,449 S**

(45) **Date of Patent:** **** Apr. 23, 2024**

(54) **SELF-RETRACTING LIFELINE HOUSING**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **WERNER CO.**, Greenville, PA (US)

JP D1288846 * 12/2006
TW M404024 U 5/2011

(72) Inventor: **Ivan D. Lopez**, Hermitage, PA (US)

(Continued)

(73) Assignee: **WERNER CO.**, Itasca, IL (US)

OTHER PUBLICATIONS

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

Werner MaxPatrol Self-Retracting Lifeline, announced in Facebook.com on Dec. 3, 2021 [online], [site visited Mar. 23, 2023], Available from the internet URL: <https://www.facebook.com/WernerLadderCo/photos/pb.100063904787690.-2207520000./4795208117169130/?type=3> (Year: 2021).*

(21) Appl. No.: **29/761,093**

(Continued)

(22) Filed: **Dec. 7, 2020**

(51) **LOC (14) Cl.** **29-02**

(52) **U.S. Cl.**

USPC **D29/124**

(58) **Field of Classification Search**

USPC D3/207, 215, 228; D8/18, 34, 356, 358, D8/360, 383; D29/124

CPC ... A62B 1/10; A62B 35/0093; A62B 35/0037; A62B 35/0043; A62B 35/005; B65H 75/4428

See application file for complete search history.

Primary Examiner — Vy N Koenig

Assistant Examiner — Elizabeth Anne Glassberg

(74) *Attorney, Agent, or Firm* — Eckert Seamans Cherin & Mellott, LLC

(57) **CLAIM**

The ornamental design for a self-retracting lifeline housing, as shown and described.

(56) **References Cited**

DESCRIPTION

U.S. PATENT DOCUMENTS

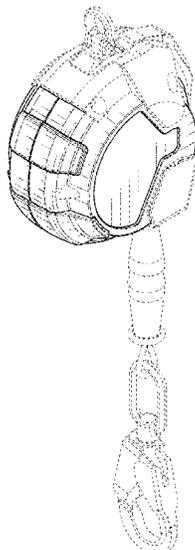
4,877,110	A *	10/1989	Wolner	.....	A62B 35/0093
					D29/124
D377,382	S *	1/1997	Saunders	.....	D8/358
D496,254	S *	9/2004	Ham	.....	D8/358
D587,410	S	2/2009	Wolner et al.		
D624,020	S *	9/2010	Kovacik	.....	D8/358
7,946,387	B2	5/2011	Betcher et al.		
D656,686	S	3/2012	Decker et al.		
8,739,929	B2	6/2014	Meillet et al.		
8,757,532	B2	6/2014	Votel et al.		
8,991,556	B2	3/2015	Auston et al.		
9,121,462	B2	9/2015	Casebolt		
D750,330	S	2/2016	Westerweel		
D813,017	S *	3/2018	Wang	.....	D8/359
10,004,927	B2	6/2018	Choate et al.		
10,231,439	B2 *	3/2019	Woods	.....	A01K 27/004

(Continued)

FIG. 1 is an isometric view of a self-retracting lifeline housing, showing my new design; FIG. 2 is another isometric view thereof; FIG. 3 is a front view thereof; FIG. 4 is a left-side view thereof; FIG. 5 is a right-side view thereof; FIG. 6 is a rear view thereof; FIG. 7 is a top view thereof; and, FIG. 8 is a bottom view thereof.

The broken lines are for illustration of the boundary between claimed subject matter and unclaimed subject matter or for illustration of environmental subject matter only and form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D850,293 S * 6/2019 Burns D10/22
 10,391,339 B2 8/2019 Sun
 D868,566 S * 12/2019 Ellard D8/356
 10,576,310 B2 3/2020 Hung
 D890,020 S * 7/2020 Burke D3/215
 2016/0096048 A1 4/2016 Fegley et al.
 2016/0220857 A1* 8/2016 Rappoport A62B 35/0075
 2019/0209877 A1 7/2019 Farrell
 2019/0275356 A1* 9/2019 Jones A62B 35/0093
 2020/0078617 A1* 3/2020 Wang A62B 1/10
 2020/0078618 A1 3/2020 Wang et al.
 2020/0078620 A1 3/2020 Wang et al.
 2020/0078621 A1 3/2020 Chen et al.
 2022/0161071 A1* 5/2022 Hung A62B 1/10
 2022/0176173 A1* 6/2022 Lopez A62B 35/0093
 2023/0228305 A1* 7/2023 Schrank A62B 35/0093
 182/232
 2023/0241423 A1* 8/2023 Schrank F16D 59/00
 182/239
 2023/0271038 A1* 8/2023 Schrank A62B 35/0093
 182/232
 2023/0271039 A1* 8/2023 Shrank A62B 35/04
 182/232

FOREIGN PATENT DOCUMENTS

TW M533998 U 12/2016
 TW M554490 U 1/2018
 TW M555231 U 2/2018

TW 201902538 A 1/2019
 TW M572764 U 1/2019
 TW M572767 U 1/2019
 TW M572768 U 1/2019
 TW 201914647 A 4/2019
 TW 217632-0001 * 3/2022
 TW 217633-0001 * 3/2022
 WO 2018/071646 A1 4/2018

OTHER PUBLICATIONS

Malta Dynamics Razorback Heavy Duty Self-Retracting Lifeline, announced in YouTube on Nov. 5, 2021 [online], [site visited Mar. 23, 2023], Available from the internet URL: <https://www.youtube.com/watch?v=ne4rbpth1PA> (Year: 2021).*

Taiwan Patent Office “Search Report for Design Patent Application”, Search Report attached to Notice of Allowance for Taiwan Patent Application No. 110302788, dated Nov. 9, 2021, 5 pp. total, which includes an English language translation of the Search Report (1 p.).

Taiwan Patent Office “Search Report for Design Patent Application”, Search Report attached to Notice of Allowance for Taiwan Patent Application No. 110302789, dated Nov. 9, 2021, 5 pp., which includes an English language translation of the Search Report (1 p.).

* cited by examiner

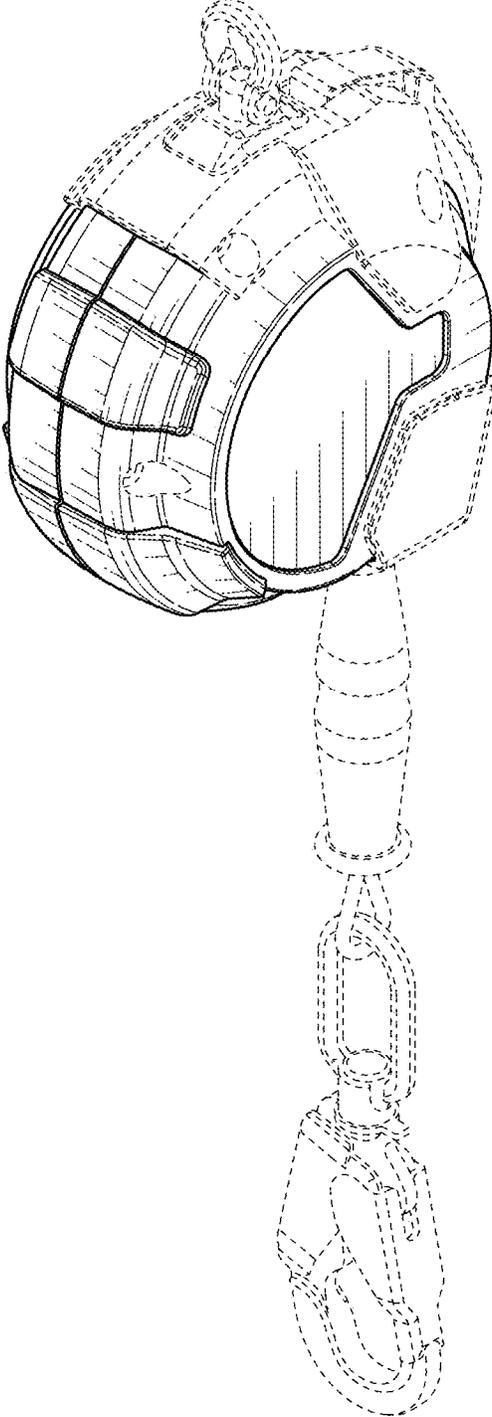


FIG. 1

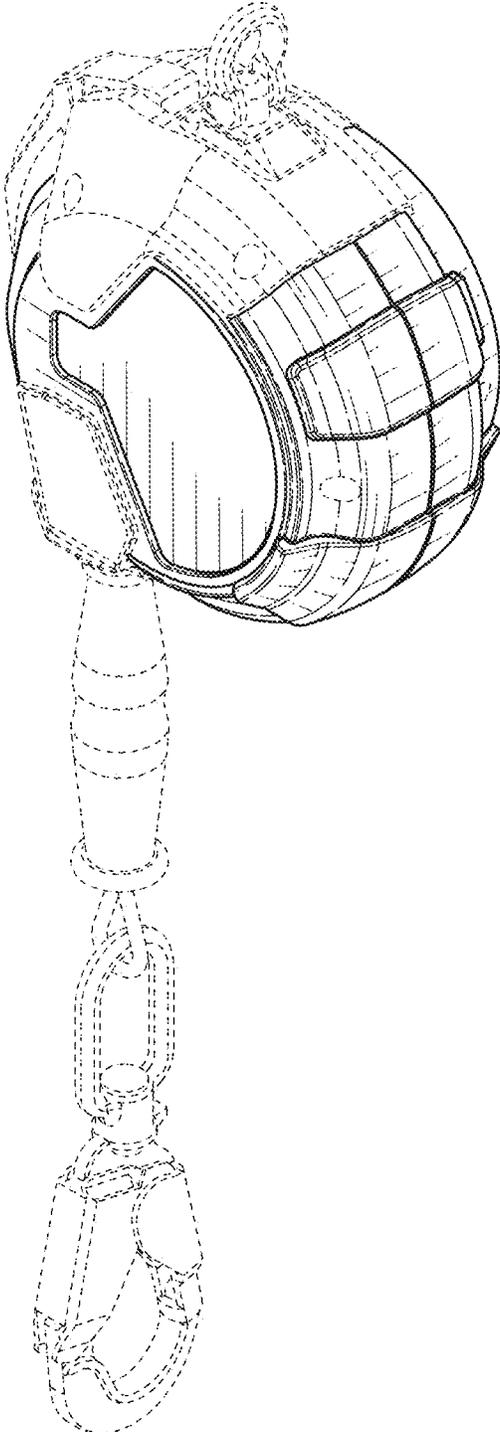


FIG. 2

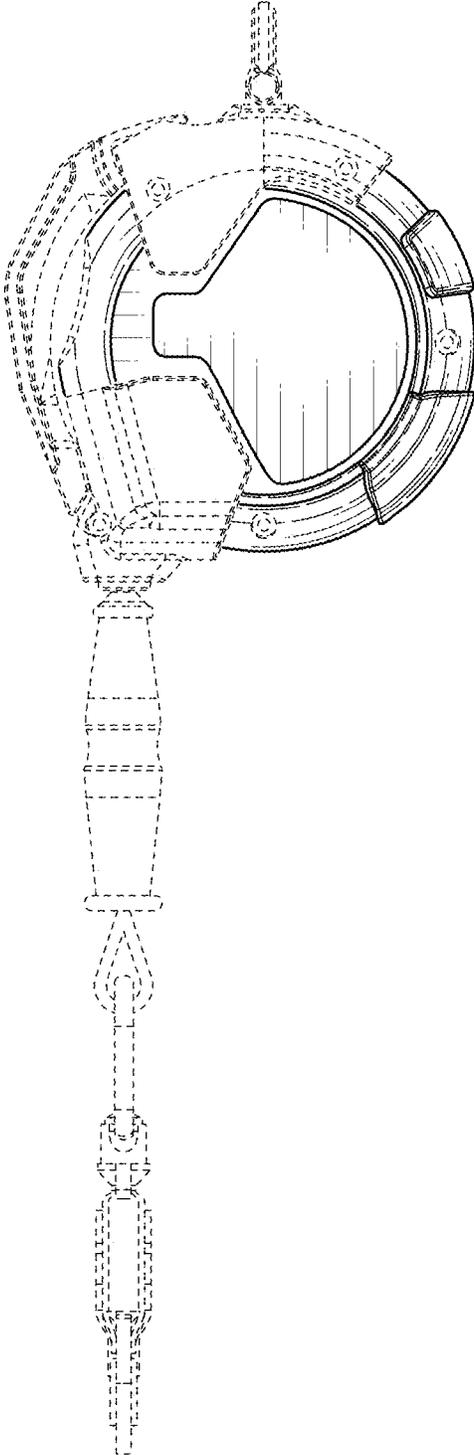


FIG. 3

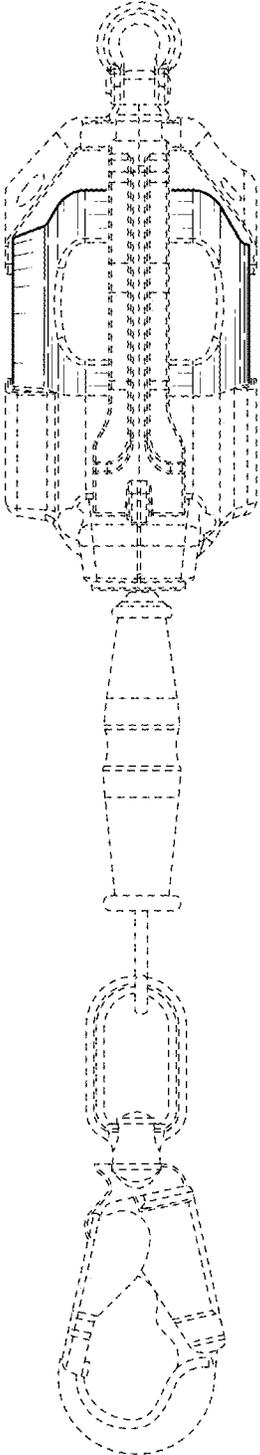


FIG. 4

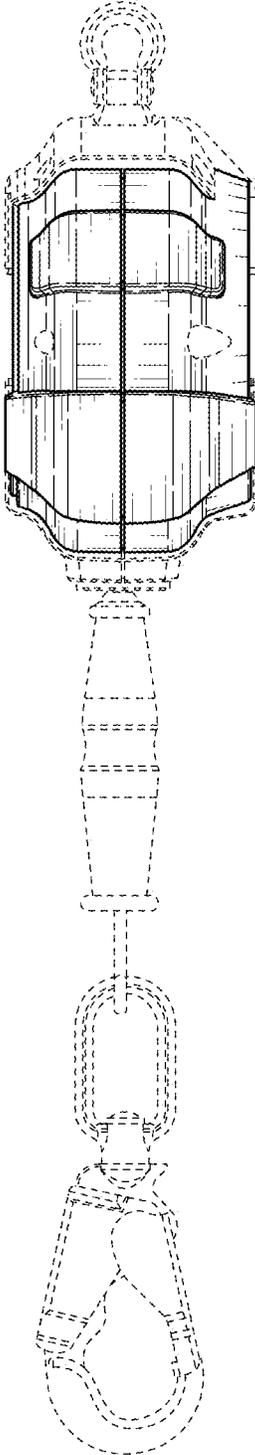


FIG. 5

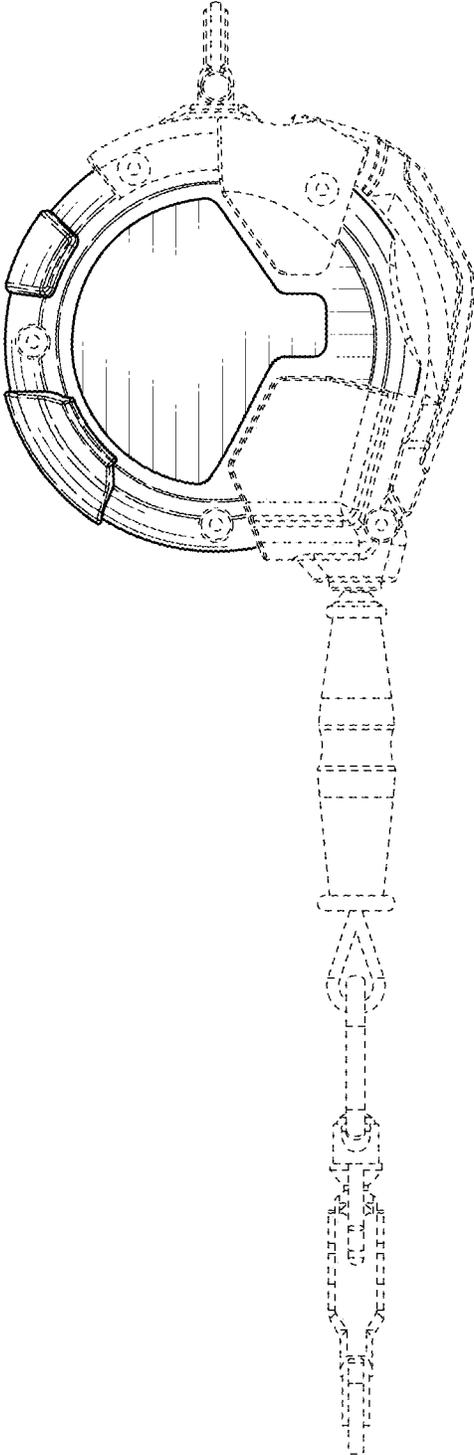


FIG. 6

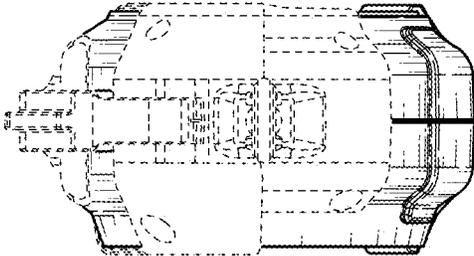


FIG. 7

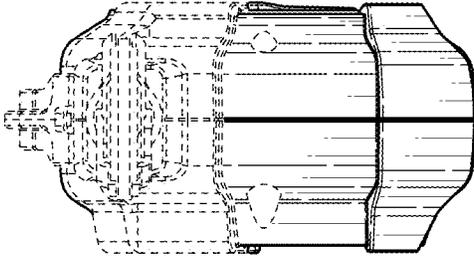


FIG. 8