US0D1136899S

(12) United States Design Patent

Seader

(10) Patent No.: US D1,136,899 S
(45) Date of Patent: ** Jul. 28, 2026

(54) **RATCHET**

(71) Applicant: **Nite Ize, Inc.**, Boulder, CO (US)
(72) Inventor: **Rex Seader**, Florissant, CO (US)
(73) Assignee: **Nite Ize, Inc.**, Boulder, CO (US)

(**) Term: **15 Years**
(21) Appl. No.: **29/966,358**
(22) Filed: **Oct. 1, 2024**

Related U.S. Application Data

(60) Continuation-in-part of application No. 18/349,614, filed on Jul. 10, 2023, which is a continuation-in-part of application No. 17/813,109, filed on Jul. 18, 2022, now Pat. No. 11,696,622, which is a division of application No. 17/095,534, filed on Nov. 11, 2020, now Pat. No. 11,406,162, said application No. 18/349,614 is a continuation-in-part of application No. 17/095,534, filed on Nov. 11, 2020, now Pat. No. 11,406,162.

(51) **LOC (15) Cl.** **08-05**
(52) **U.S. Cl.**
USPC **D8/44**; D8/382
CPC ***A44B 11/065*** (2013.01); ***B60P 7/083*** (2013.01); *B23P 19/04* (2013.01); *Y10T 24/2121* (2015.01); *Y10T 24/2175* (2015.01)
(58) **Field of Classification Search**
USPC D8/44, 349, 356, 359, 382, 383, 387
CPC A44B 11/04; A44B 11/125; B25B 25/00; B60P 7/06; B60P 7/083; B60P 3/075; B60P 3/079; B66D 3/02
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,804,368 A 4/1974 Bailey
D266,985 S * 11/1982 Prete, Jr. D8/383
4,510,651 A * 4/1985 Prete, Jr. B60P 7/0853 254/237
(Continued)

FOREIGN PATENT DOCUMENTS

AU 2021379930 A9 7/2024
CN 116438095 A 7/2023
(Continued)

OTHER PUBLICATIONS

"Stanley S1007 Ratchet Tie Down Straps" Jul. 12, 2019, Amazon.com, site visited Jan. 27, 2026: https://www.amazon.com/STANLEY-S1007-Yellow-Ratchet-Straps/dp/B07V6X65QD/ (Year: 2019).*
(Continued)

Primary Examiner — Joseph Kukella
Assistant Examiner — Rene H. Kadoo
(74) *Attorney, Agent, or Firm* — Haynes and Boone, LLP; Robert P. Ziemian

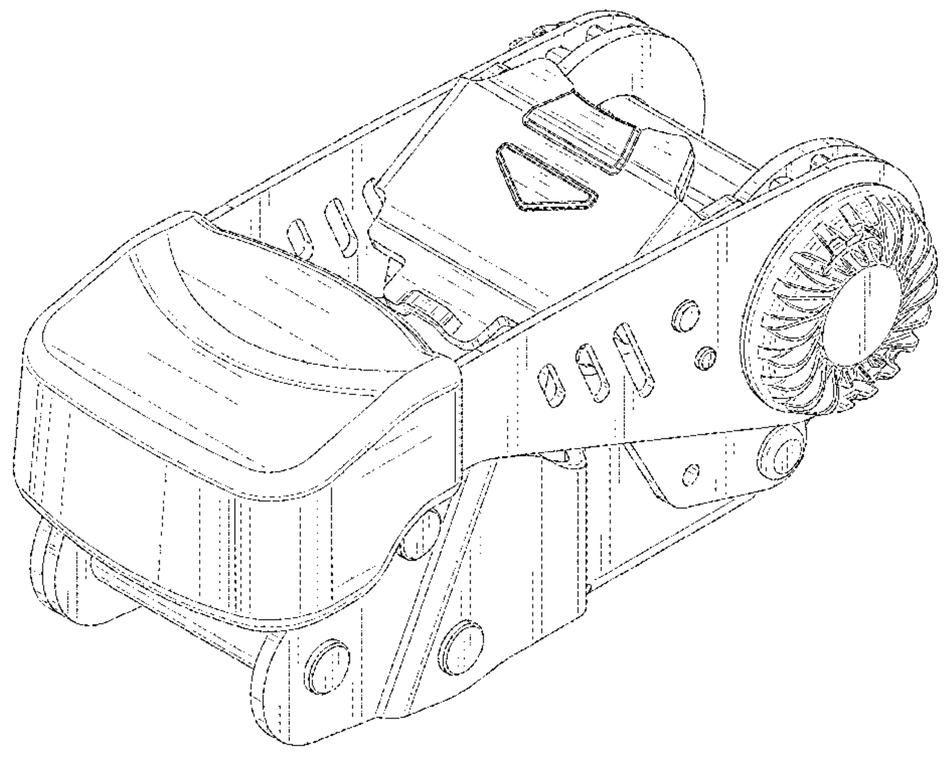
(57) **CLAIM**

The ornamental design for the ratchet as shown and described.

DESCRIPTION

FIG. **1** shows a side perspective view of a ratchet;
FIG. **2** shows a front view of the ratchet of FIG. **1**;
FIG. **3** shows a rear view of the ratchet of FIG. **1**;
FIG. **4** shows a right side view of the ratchet of FIG. **1**;
FIG. **5** shows a left side view of the ratchet of FIG. **1**;
FIG. **6** shows a bottom view of the ratchet of FIG. **1**;
FIG. **7** shows a top view of ratchet of FIG. **1**;
FIG. **8** shows a side perspective view of the ratchet of FIG. **1** in an open position with a cord capture area closed;
FIG. **9** shows a top view of the ratchet of FIG. **8**; and,
FIG. **10** shows a side perspective view of the ratchet of FIG. **1** in the open position with the cord capture area open.

1 Claim, 10 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

4,706,478	A	11/1987	Swan et al.	
5,271,606	A *	12/1993	Kamper	B60P 7/083 254/217
5,894,638	A	4/1999	Huang	
6,195,848	B1 *	3/2001	Jackson	B60P 7/083 24/68 CD
6,799,751	B1	10/2004	Anderson	
7,444,718	B1	11/2008	Chang	
7,845,621	B1	12/2010	Lu	
D805,377	S *	12/2017	Breeden, III	D8/383
10,857,930	B1	12/2020	Levi	
11,406,162	B2	8/2022	Seader	
D970,993	S *	11/2022	Shao	D8/44
11,696,622	B2	7/2023	Seader	
2001/0045548	A1 *	11/2001	Landy	B60P 7/083 254/223
2003/0000047	A1	1/2003	Mamie	
2006/0042052	A1	3/2006	Lu	
2008/0104811	A1	5/2008	Burrows	
2010/0205790	A1 *	8/2010	Chen	B60P 7/083 24/68 CD
2011/0001627	A1 *	1/2011	Ruan	G01L 5/108 24/68 CD
2011/0067210	A1 *	3/2011	Huang	B60P 7/083 24/68 CD
2013/0036580	A1	2/2013	Huang	
2014/0008480	A1	1/2014	Kingery	
2018/0272916	A1	9/2018	Xia et al.	
2022/0111783	A1	4/2022	Zhou et al.	
2022/0346505	A1 *	11/2022	Seader	A44B 11/065
2023/0173974	A1 *	6/2023	Mazzarelli	B60P 7/083 24/70 ST
2023/0346082	A1	11/2023	Seader	
2024/0239625	A1 *	7/2024	Molaie Shargh	B60P 7/0823

FOREIGN PATENT DOCUMENTS

CN	202430793088.1	*	9/2025
EP	1900569	A2	3/2008
EP	2799285	A1	11/2014
EP	2617602	B1	4/2016
EP	4259485	A1	10/2023
JP	H04500404	A	1/1992
JP	2002139105	A	5/2002
JP	2007255716	A	10/2007
JP	7541618	B2	8/2024
KR	20230104927	A	7/2023
WO	2022104336	A1	5/2022

OTHER PUBLICATIONS

International Search Report and Written Opinion dated Oct. 10, 2024 in related PCT App. No. PCT/US24/37319 (14 pages).
Office Action mailed on Oct. 16, 2024 in related Canadian application No. 3198347 (6 pages).
Extended European Search Report mailed on Nov. 27, 2024 in related European patent application No. 21893065 (9 pages).
Office Action issued on Apr. 25, 2024 in related Japanese patent application No. 2023524442 (8 pages).
International Search Report and Written Opinion dated Apr. 7, 2022 issued in related PCT App. No. PCT/US2021/072323 (9 pages).
Office Action dated Oct. 28, 2025 in related Canadian patent application No. 3,198,347 (4 pages).
Office Action mailed Jan. 17, 2025 in related Korean Patent Application No. 10-2023-7019315 (7 pages).
Office Action mailed Mar. 31, 2025 in related Vietnamese patent application No. 1-2023-03771 (2 pages).

* cited by examiner

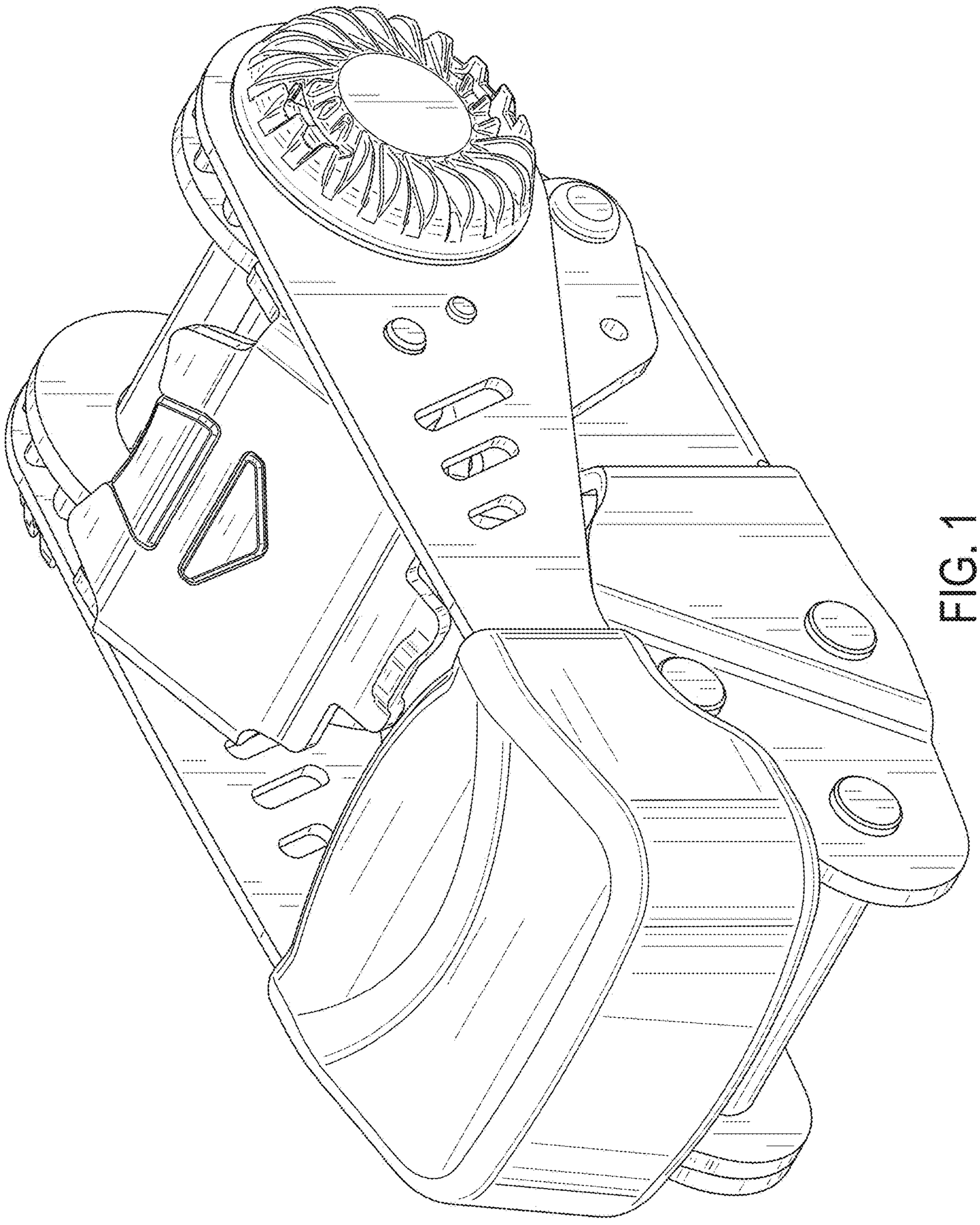


FIG. 1

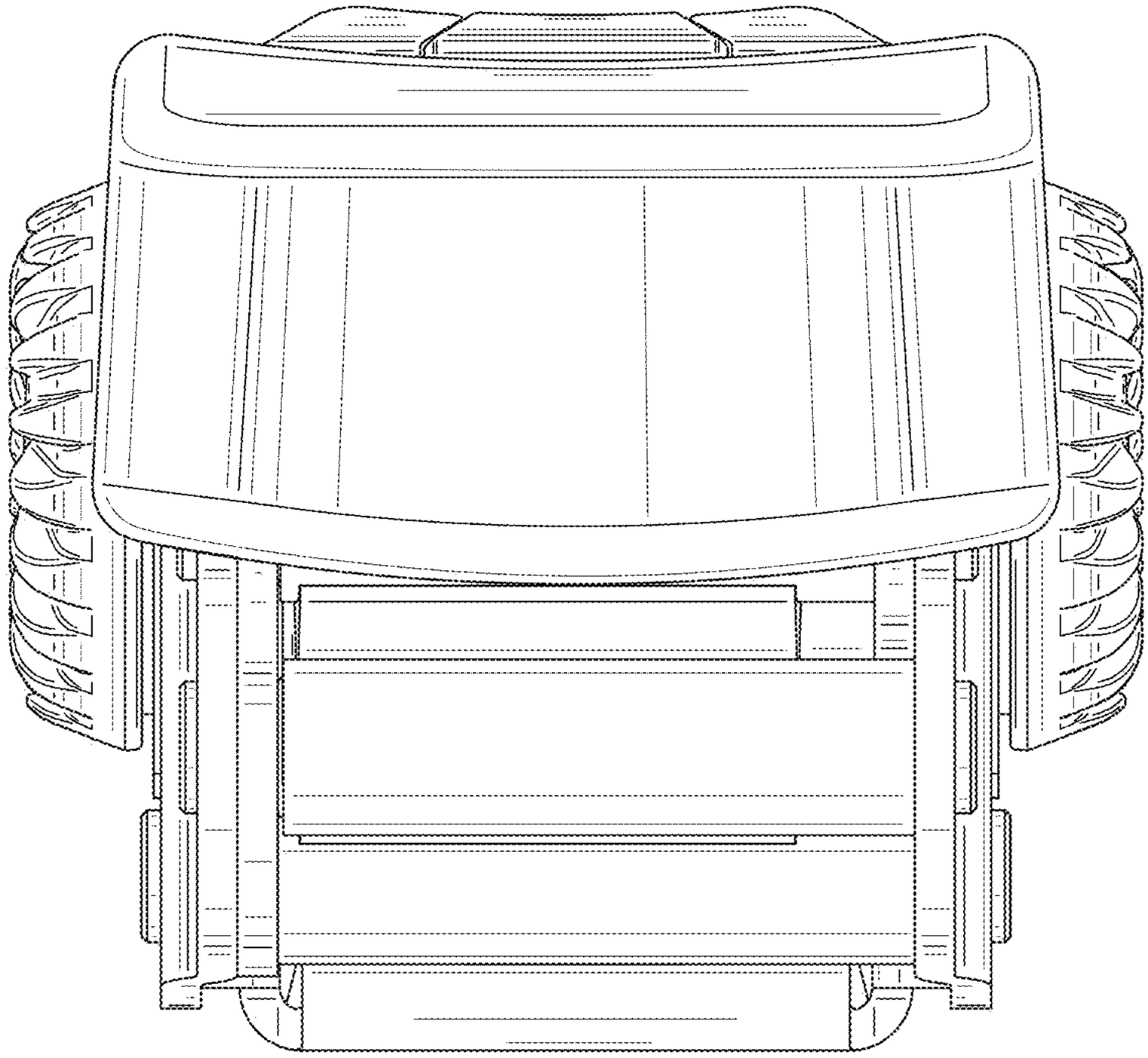


FIG. 2

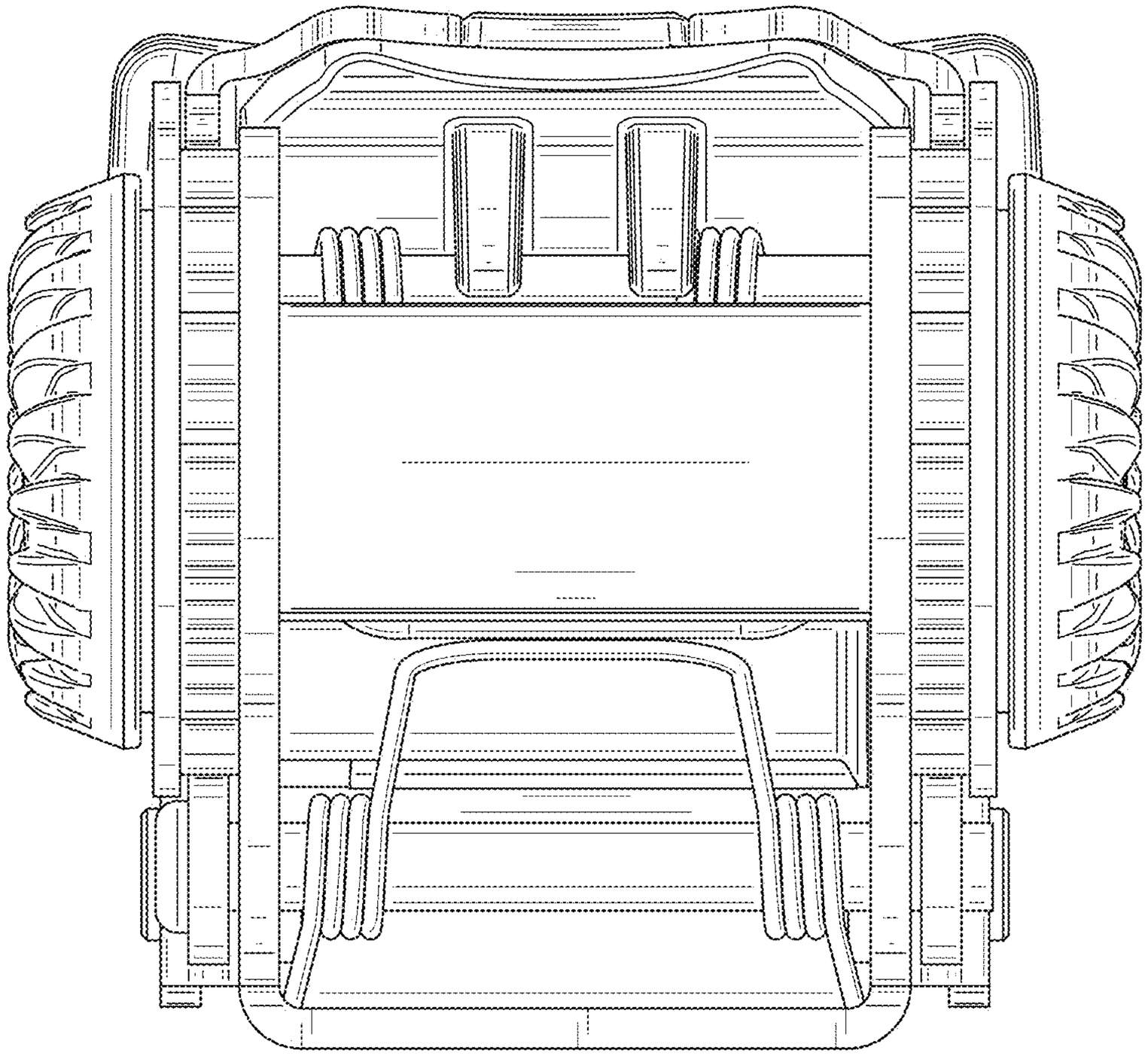


FIG. 3

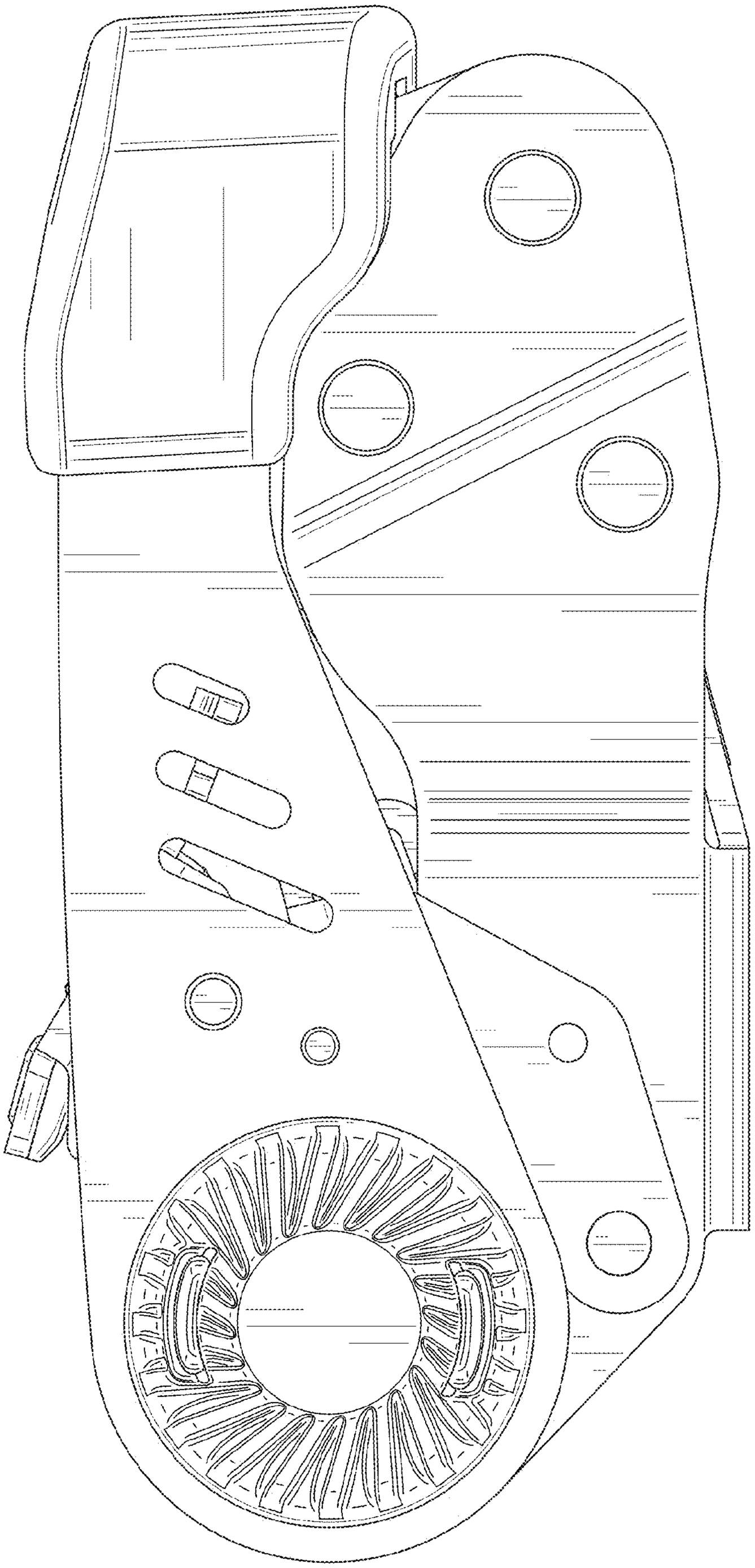


FIG. 4

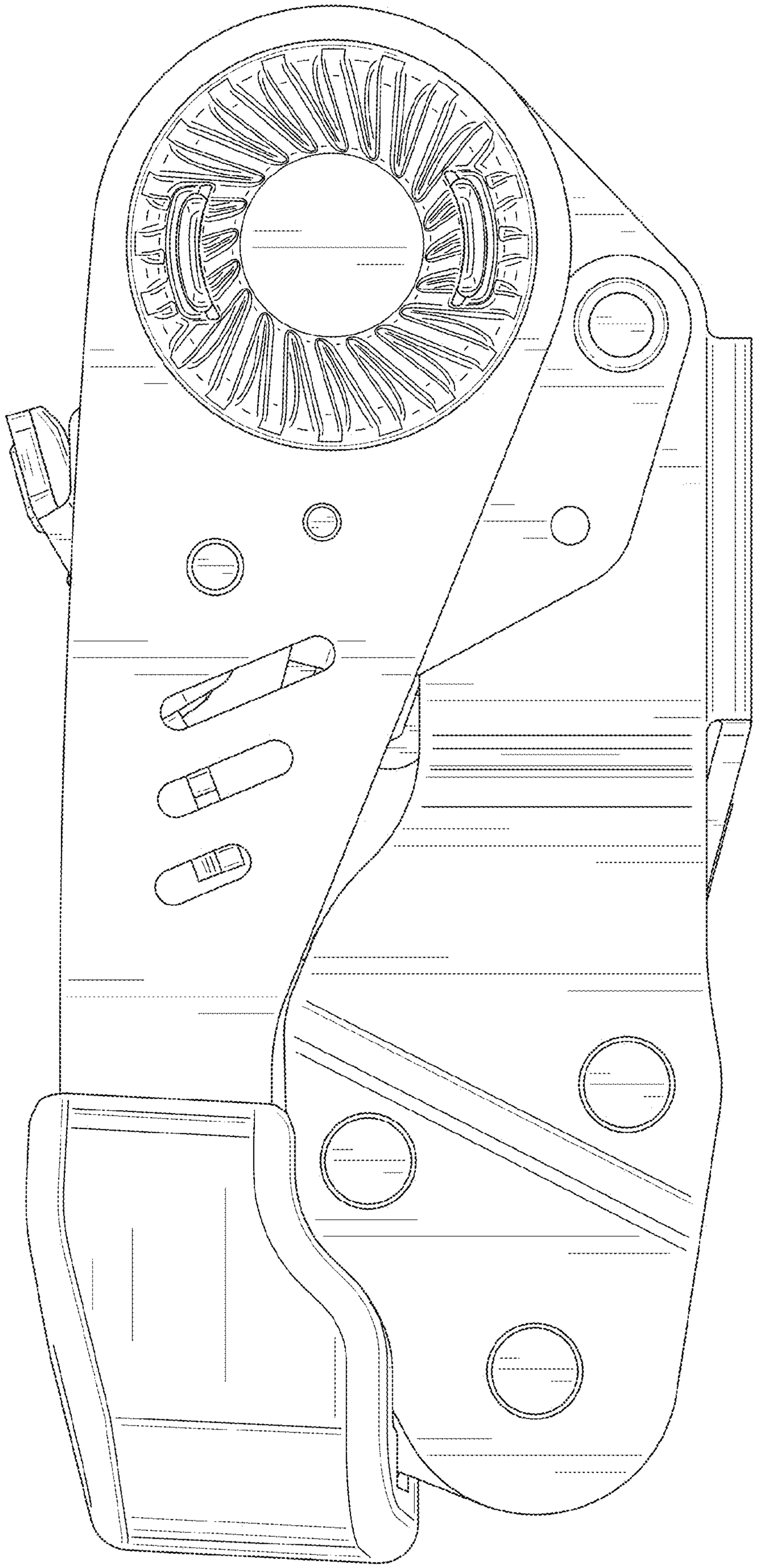


FIG. 5

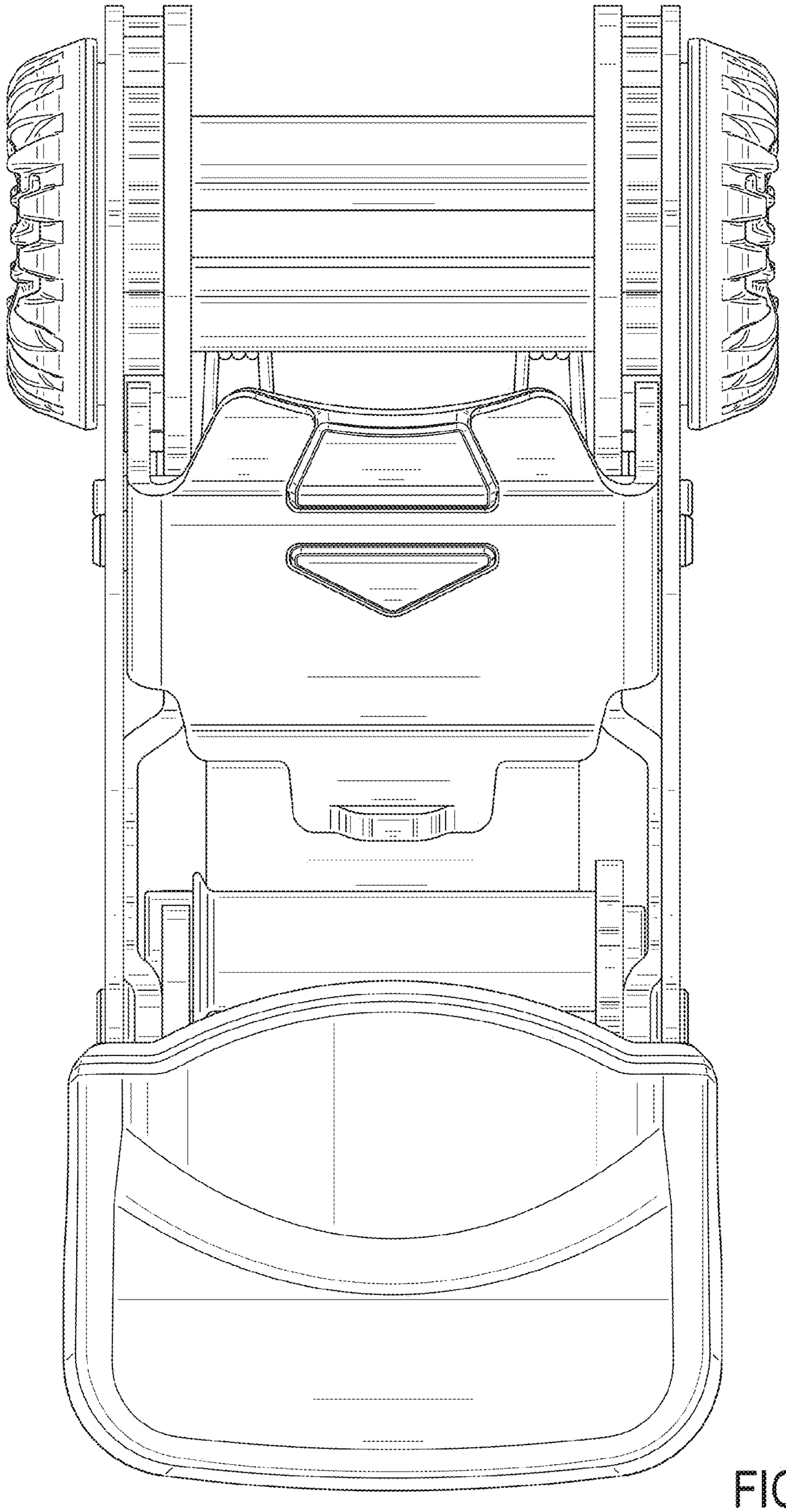


FIG. 6

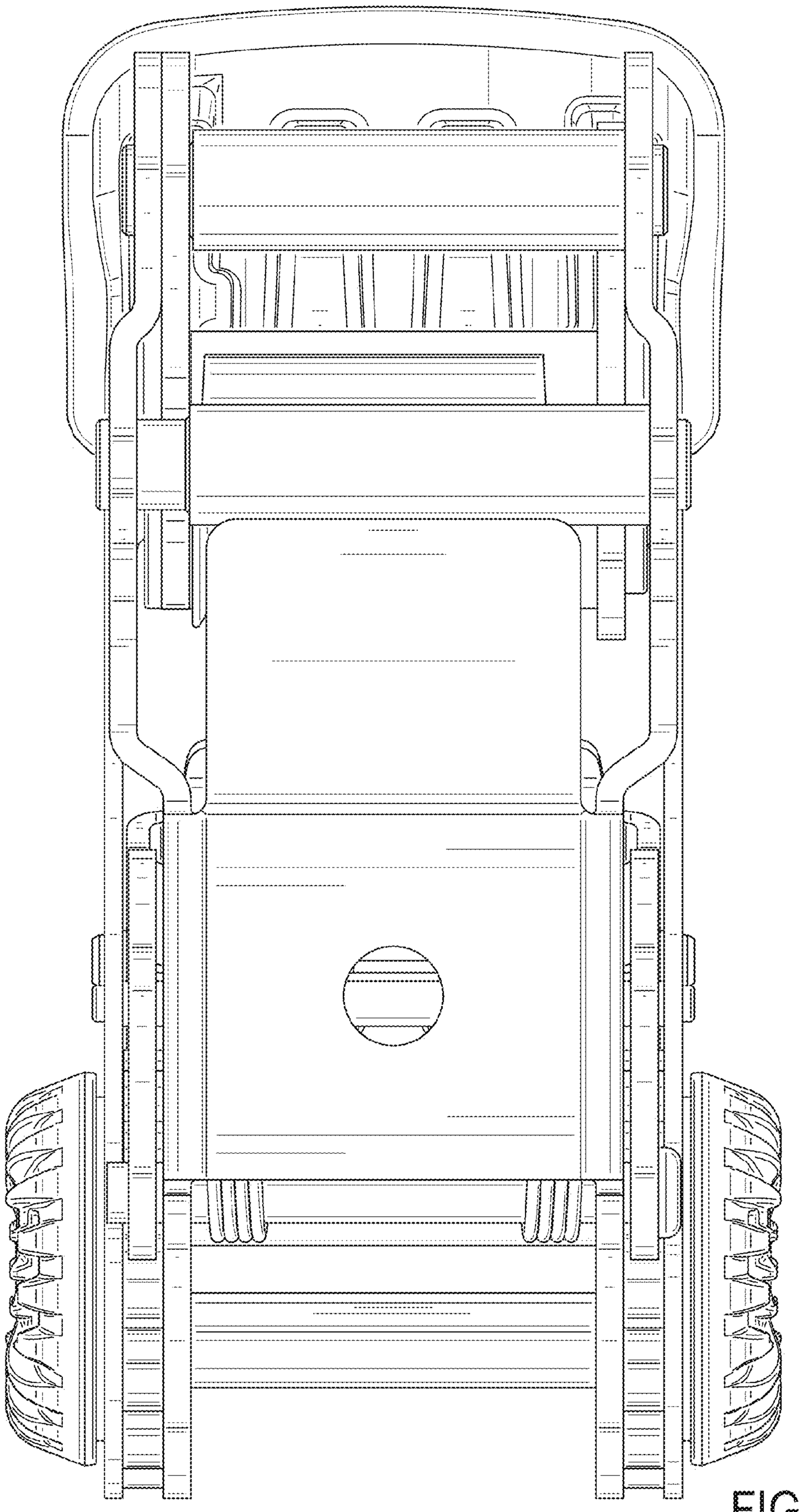


FIG. 7

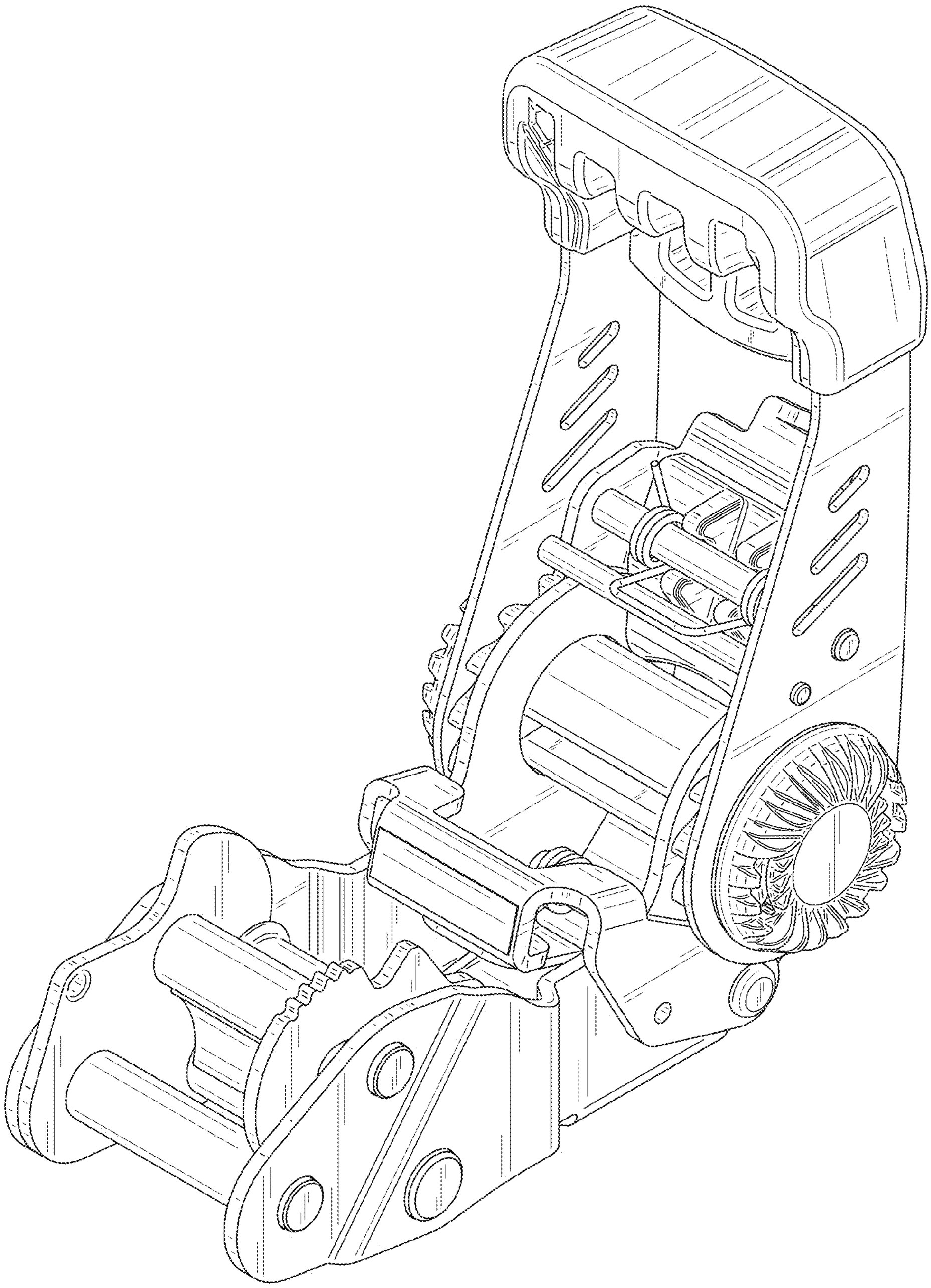


FIG. 8

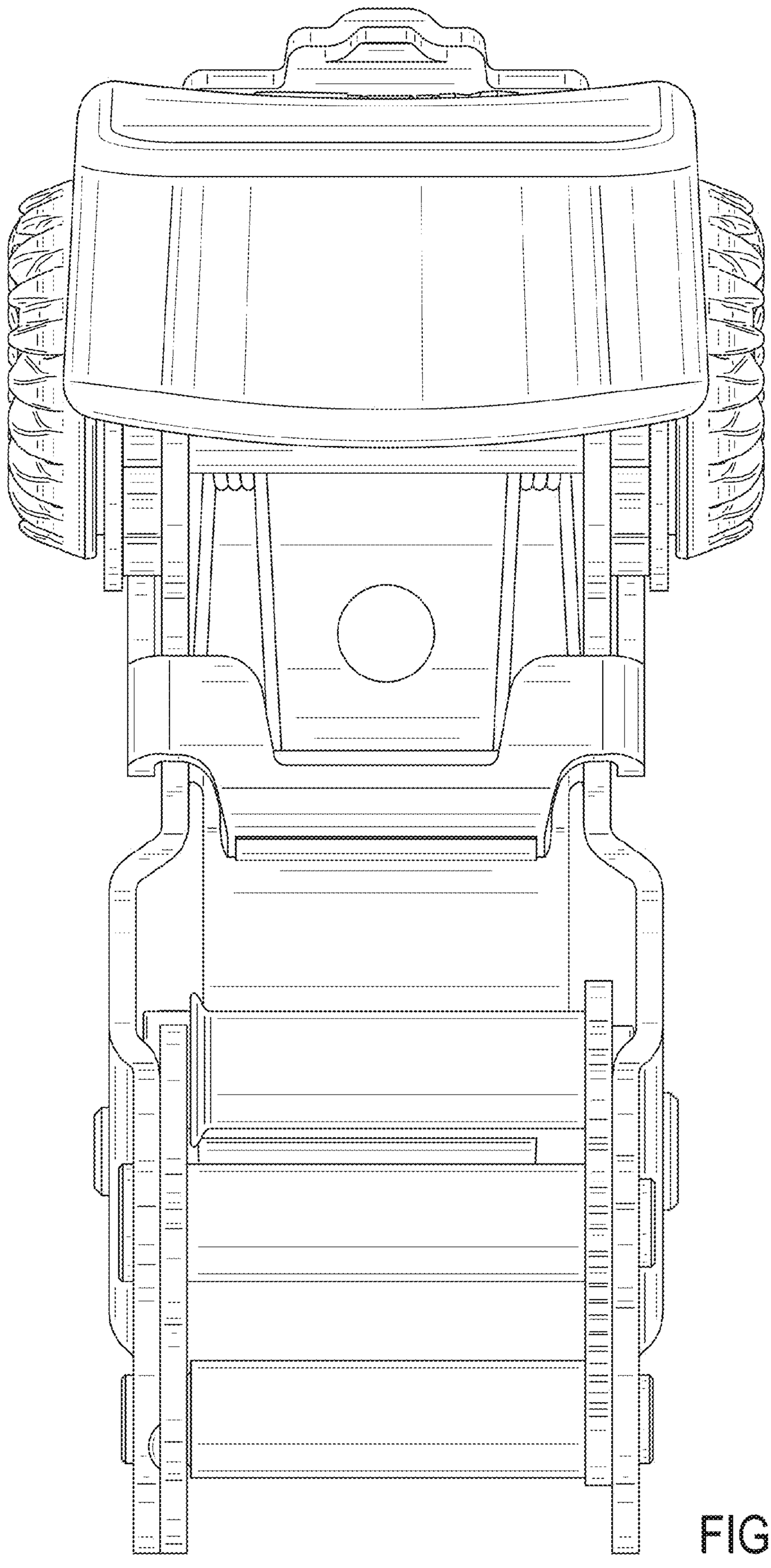


FIG. 9

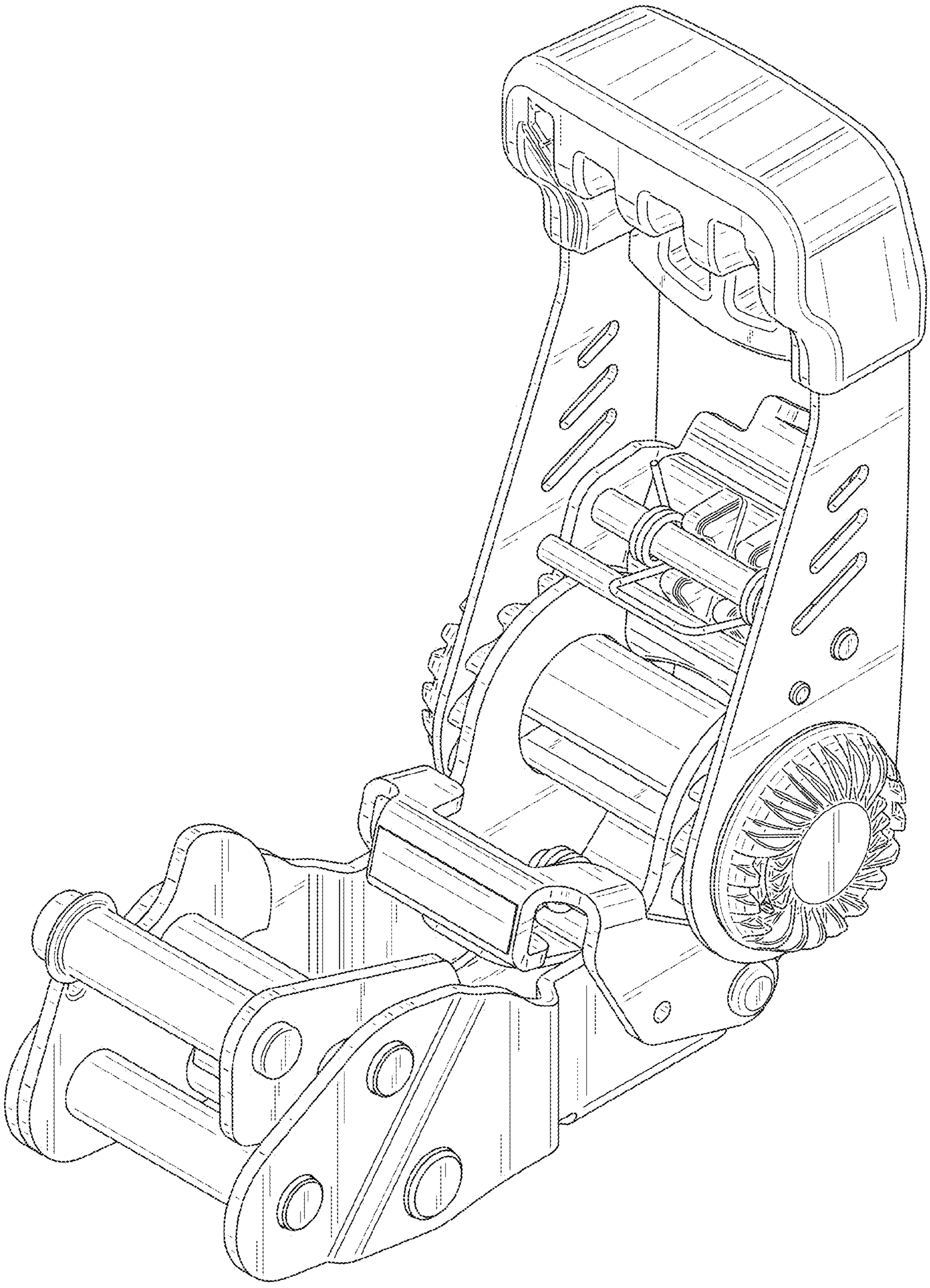


FIG. 10