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(12) **United States Design Patent** (10) **Patent No.:** **US D920,870 S**  
**Shih et al.** (45) **Date of Patent:** **\*\* Jun. 1, 2021**

(54) **SENSOR STACK FOR AUTOMATED DELIVERY VEHICLE**

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

(21) Appl. No.: **29/691,734**

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(51) **LOC (13) Cl.** ..... **12-08**

(52) **U.S. Cl.**  
USPC ..... **D12/190; D12/1**

(58) **Field of Classification Search**  
USPC ..... D12/1, 181, 96, 99, 400, 182, 183, 184, D12/185, 190, 195, 192, 191, 91, 92; D15/199

CPC . B25J 5/005; B25J 5/007; B61B 13/00; B66F 9/22; B66F 9/063; B60P 9/00; G05D 1/0263; G05D 1/0238; G05D 1/0094; B62D 39/00

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D286,143 S *	10/1986	Lund	.....	D12/181
D290,455 S *	6/1987	Konen	.....	D12/181
D305,633 S *	1/1990	Kingsley	.....	D12/190
D306,848 S *	3/1990	Macor	.....	D12/190
D314,545 S *	2/1991	Hutchins	.....	D12/181
D547,707 S *	7/2007	Kulla	.....	D12/181
D882,660 S *	4/2020	Jafarzadeh	.....	D15/199

**OTHER PUBLICATIONS**

Yurtsever, E., et al., (n.d.). A Survey of Autonomous Driving: Common Practices and Emerging Technologies. [online] Available at: <https://arxiv.org/pdf/1906.05113>, AnarXiv: 1906.05113v2 [cs. RO] Jan. 6, 2020, 26 pages.

Fridman, L., et al.,(2019). MIT Advanced Vehicle Technology Study: Large-Scale Naturalistic Driving Study of Driver Behavior and Interaction With Automation. IEEE Access, [online] 7, pp. 102021-102038. Available at: <https://arxiv.org/pdf/1711.06976> [Accessed Feb. 8, 2020], 16 pages.

\* cited by examiner

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(57) **CLAIM**

We claim, the ornamental design for a sensor stack for automated delivery vehicle, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a sensor stack for automated delivery vehicle showing front, left, and top sides;

FIG. 2 is a front view thereof;

FIG. 3 is a back view thereof;

FIG. 4 is a right view thereof;

FIG. 5 is a left view thereof;

FIG. 6 is a top view thereof;

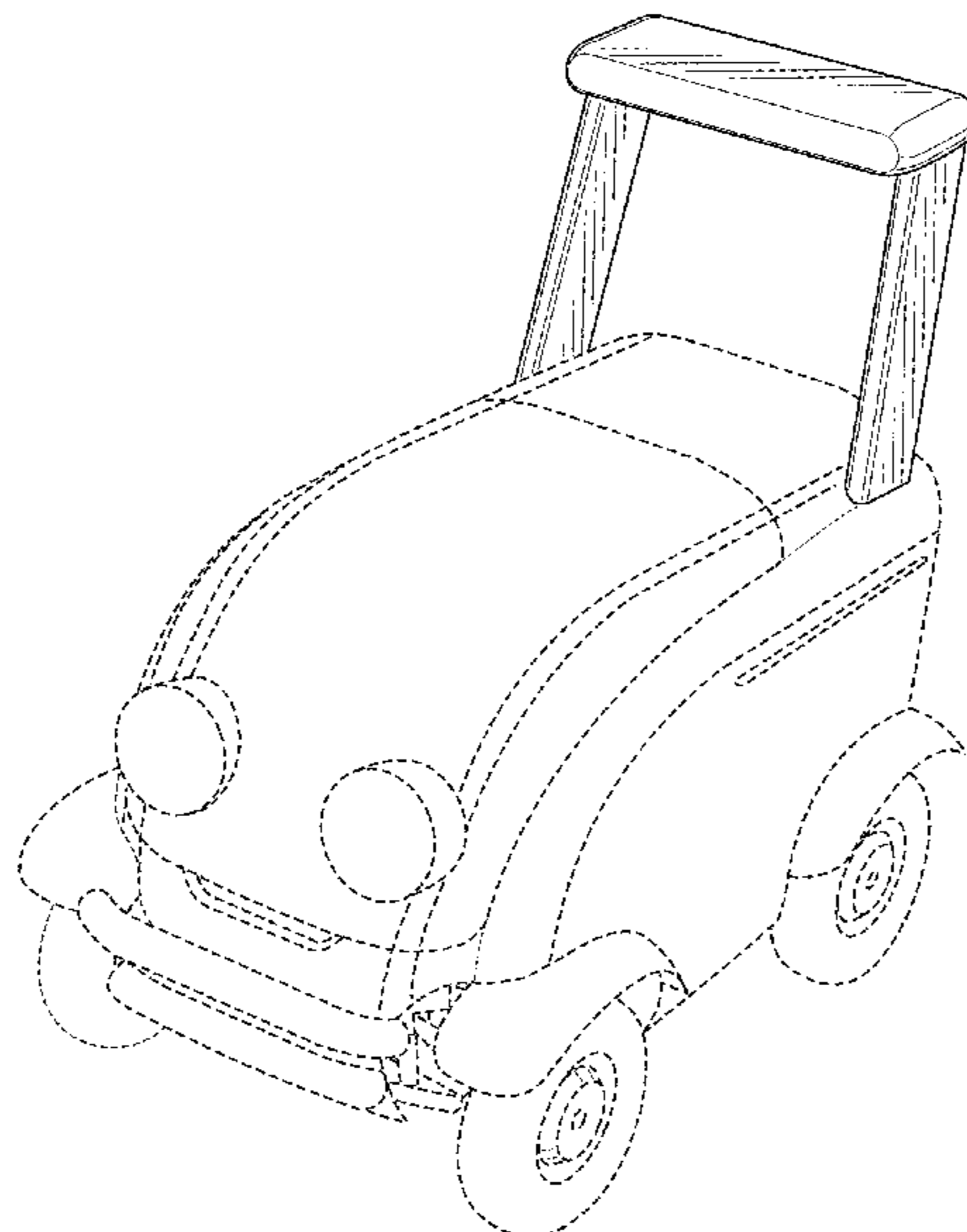
FIG. 7 is a bottom view thereof;

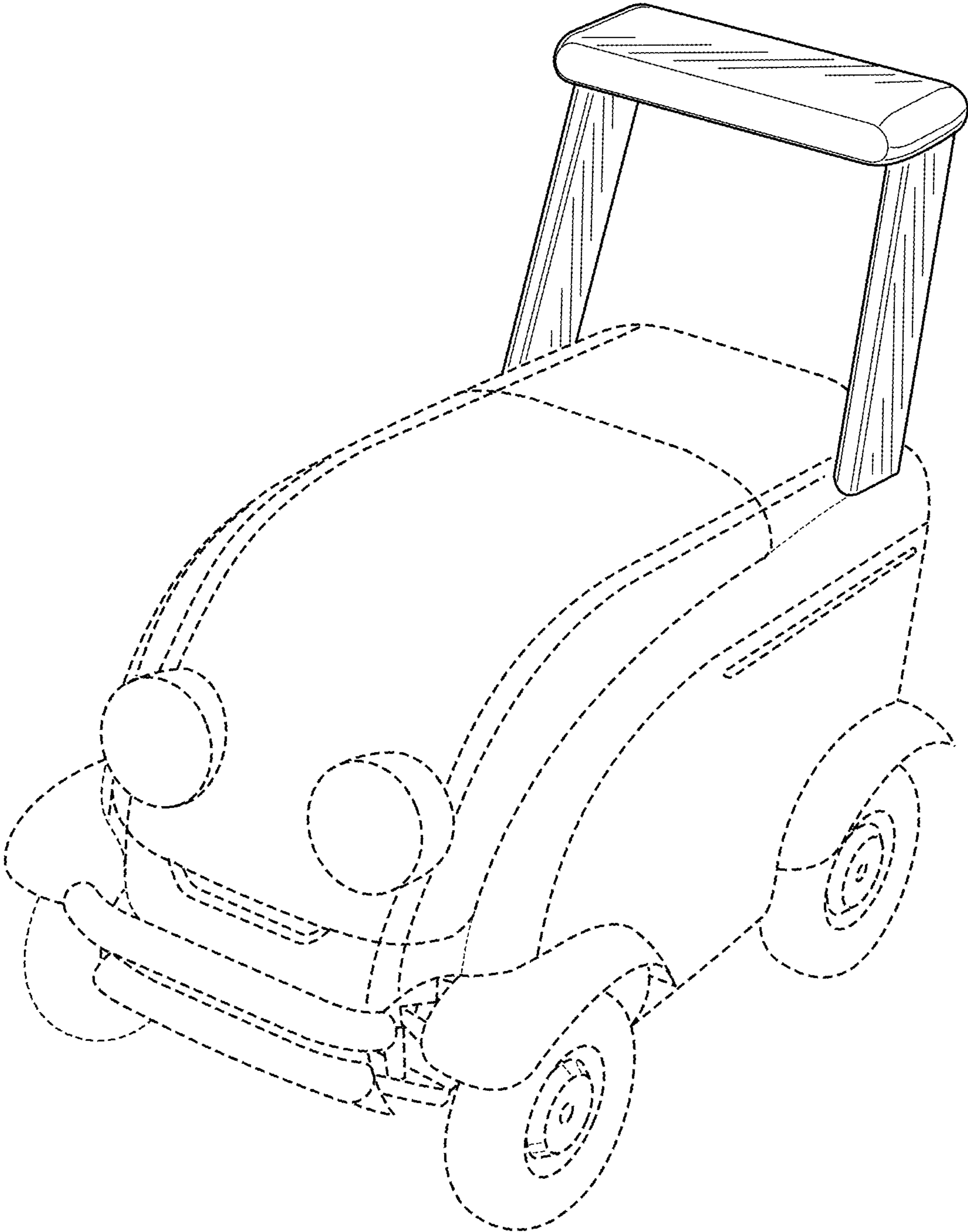
FIG. 8 is a perspective view of the sensor stack showing back, right, and top sides; and,

FIG. 9 is a perspective view of the sensor stack showing back, right, and bottom sides.

The broken lines depict environment and portions of the article that form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**





**FIG. 1**

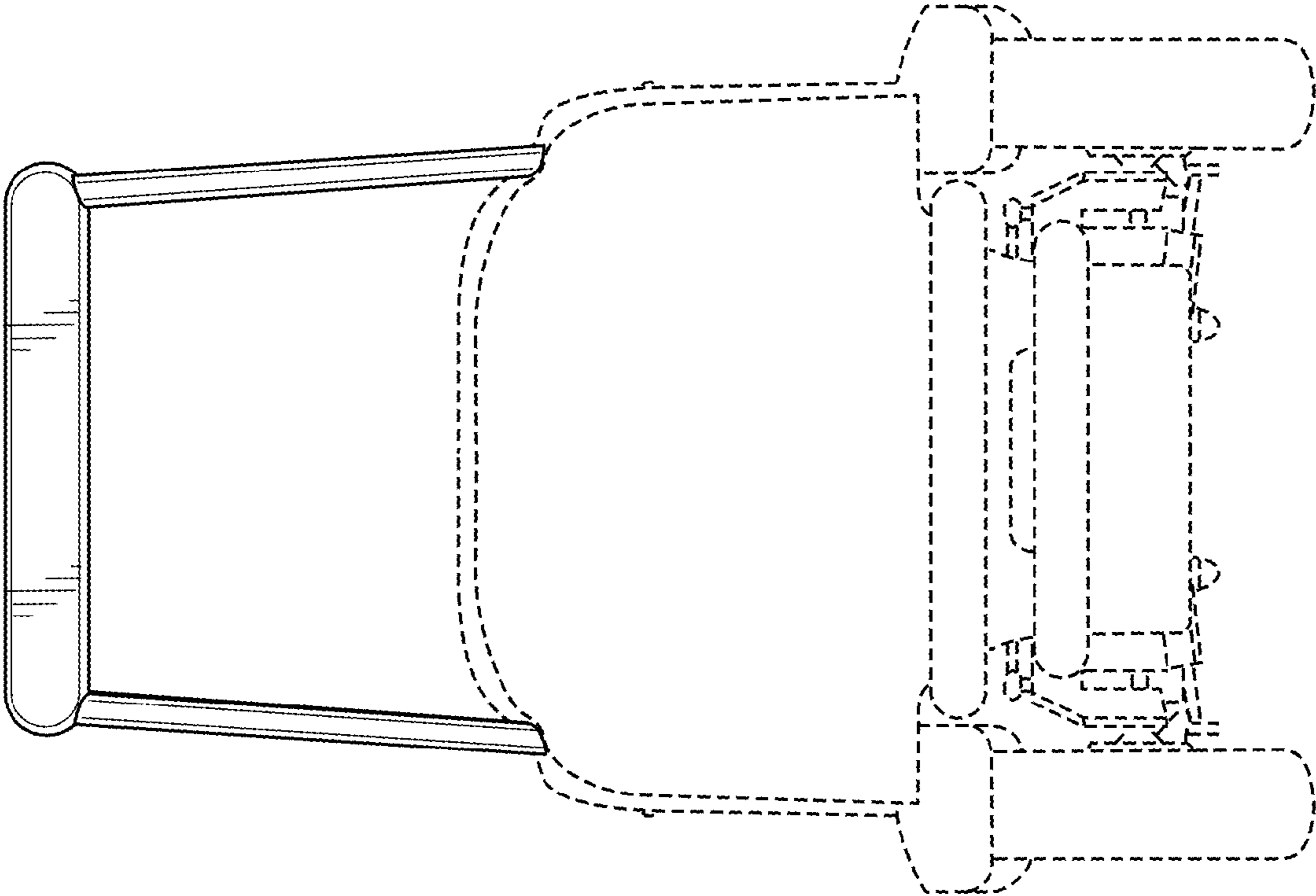


FIG. 2

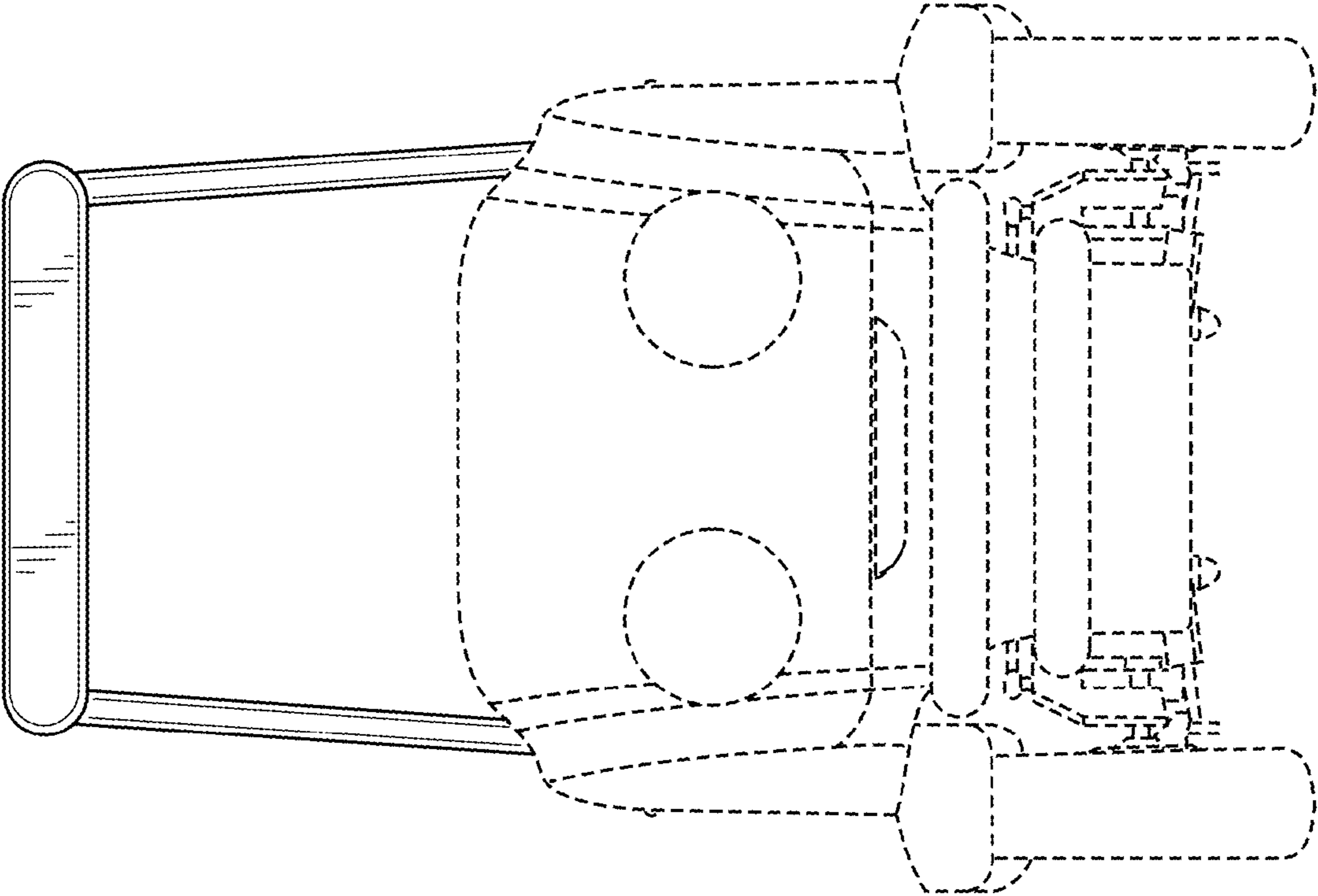


FIG. 3

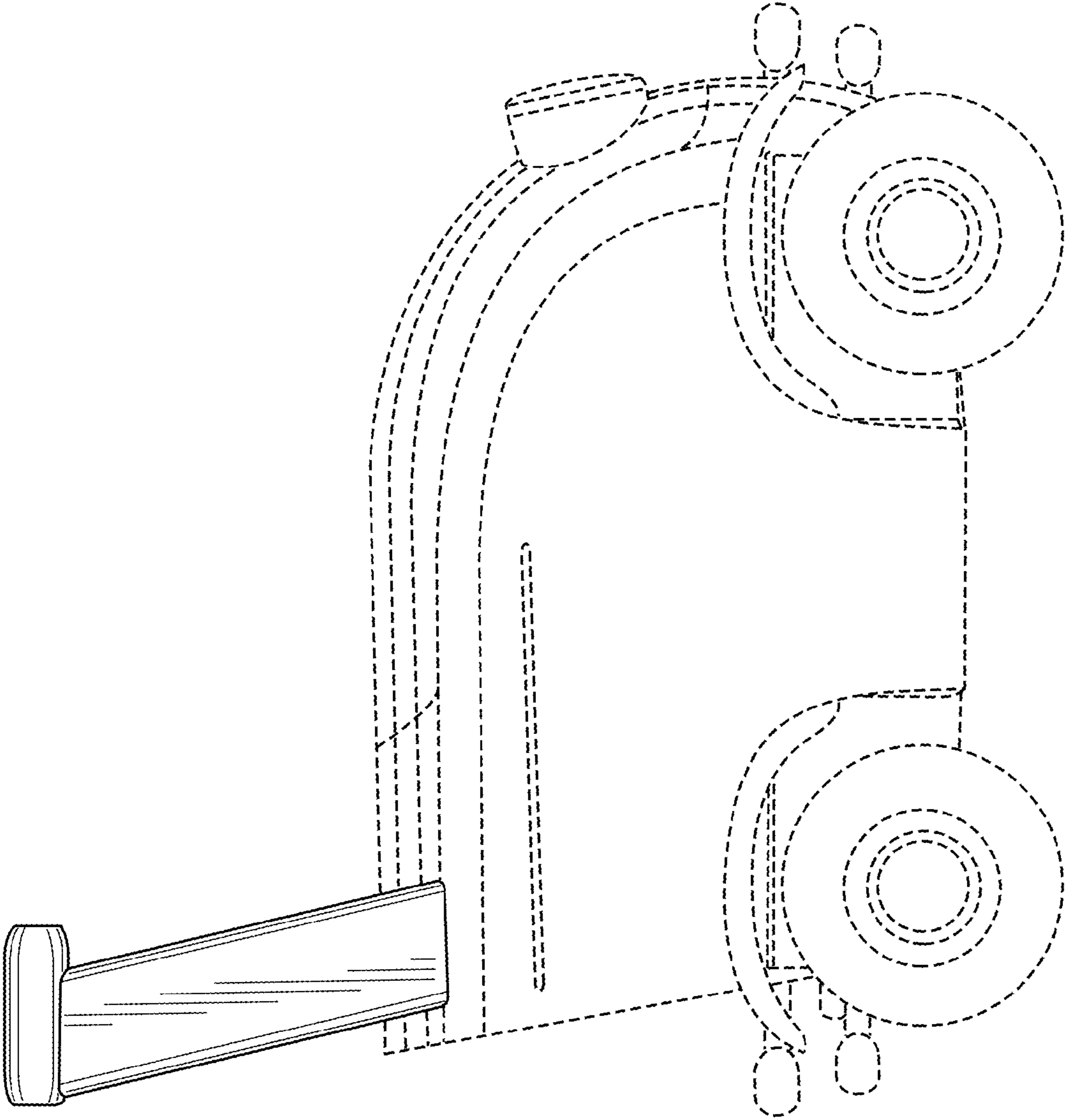


FIG. 4



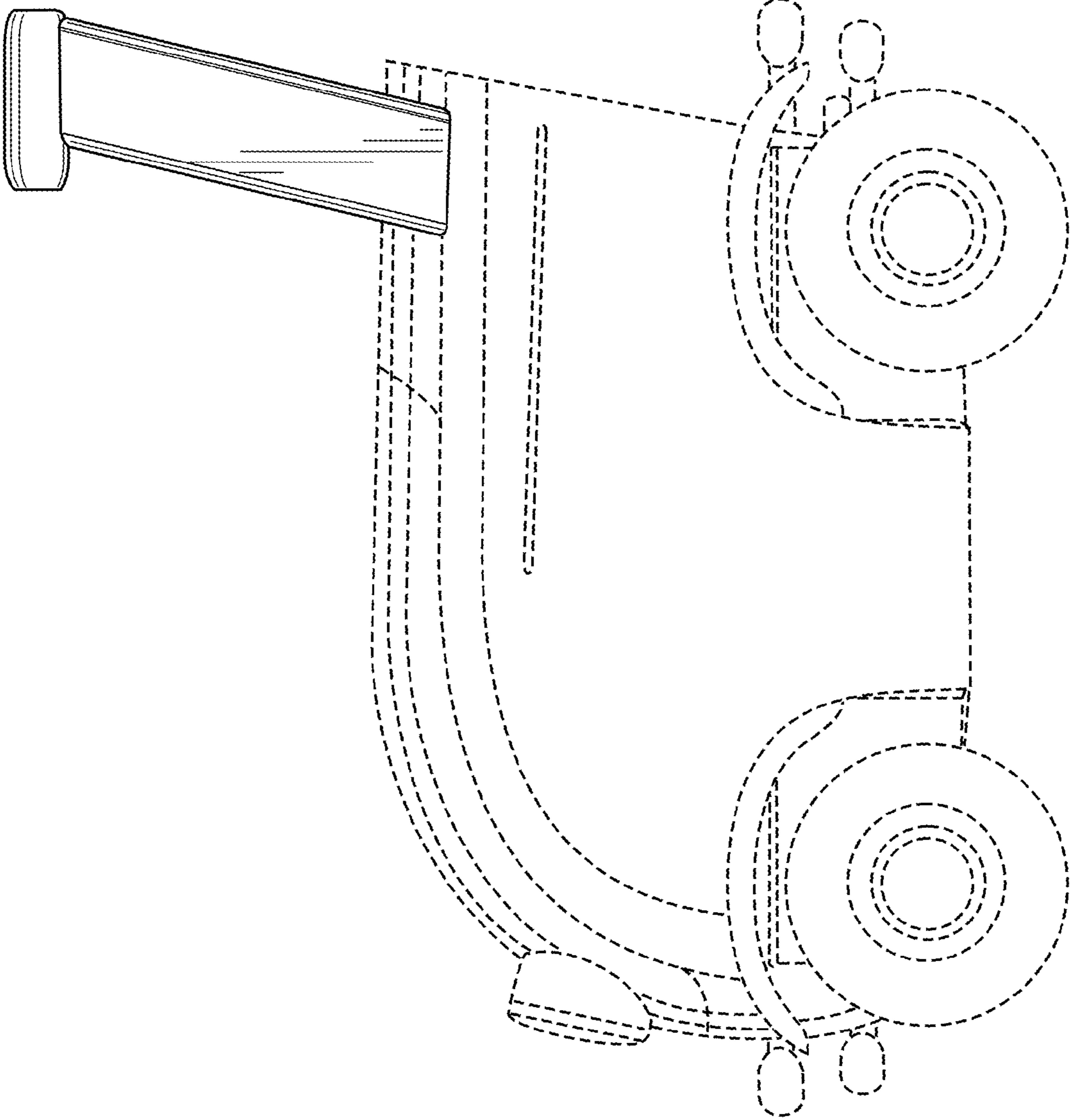


FIG. 5

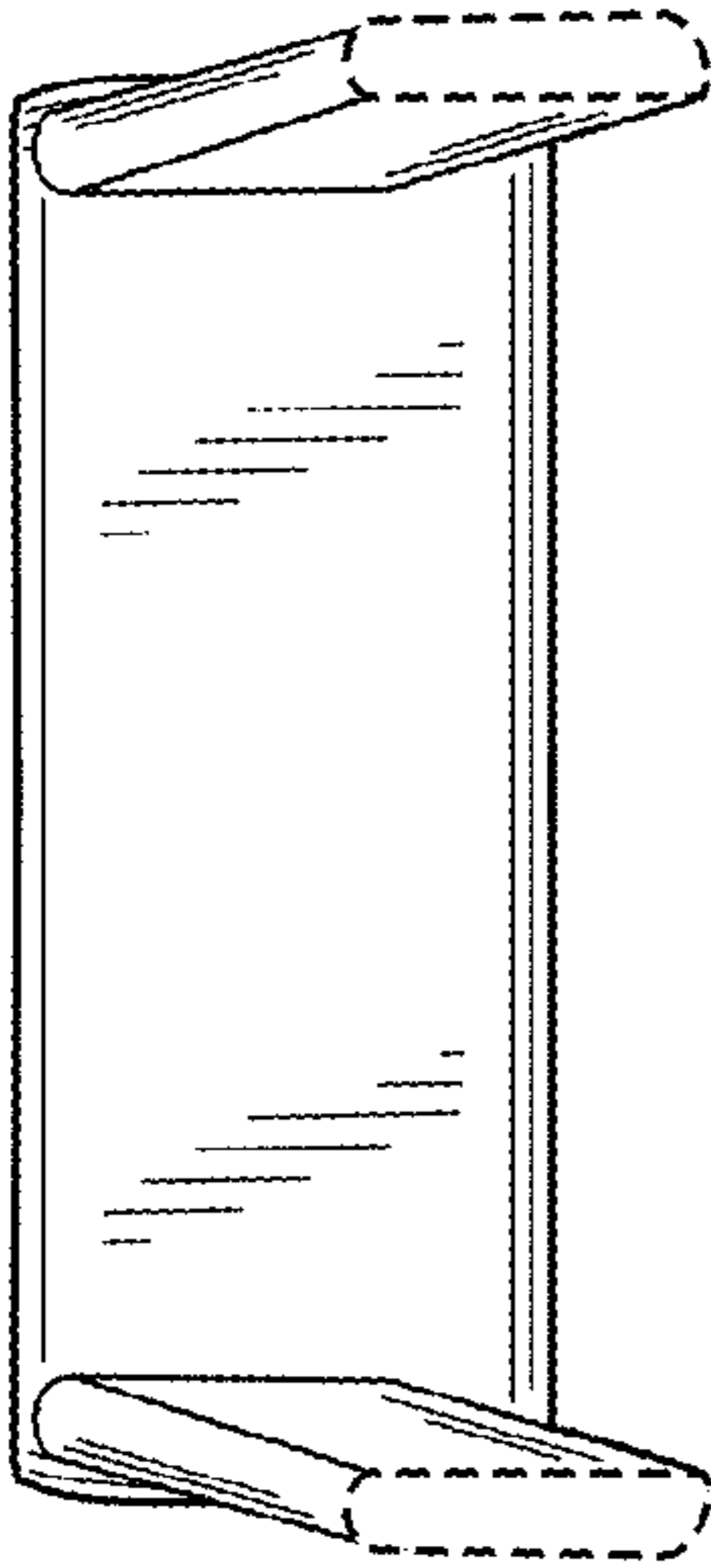


FIG. 7

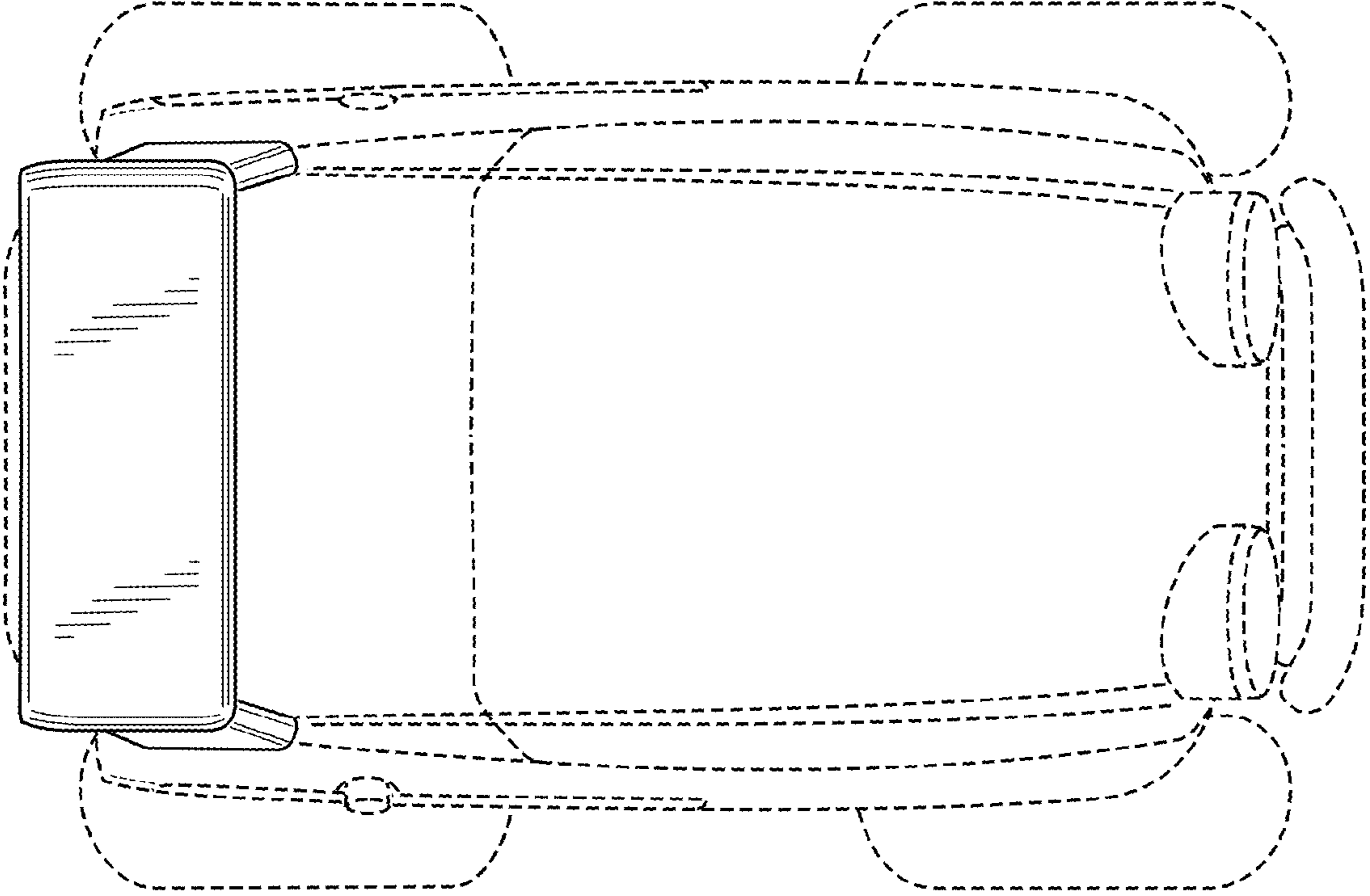


FIG. 6

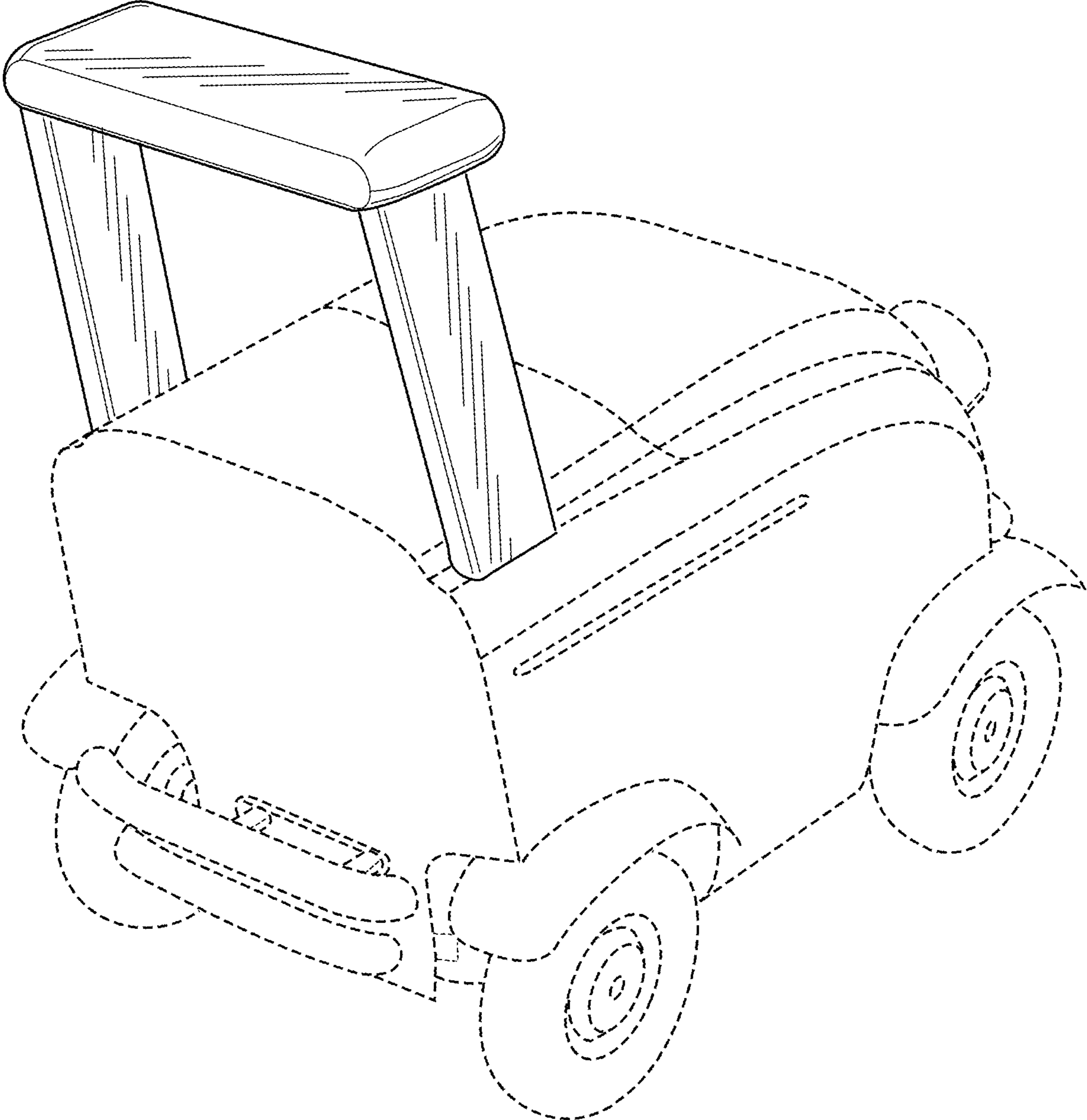


FIG. 8

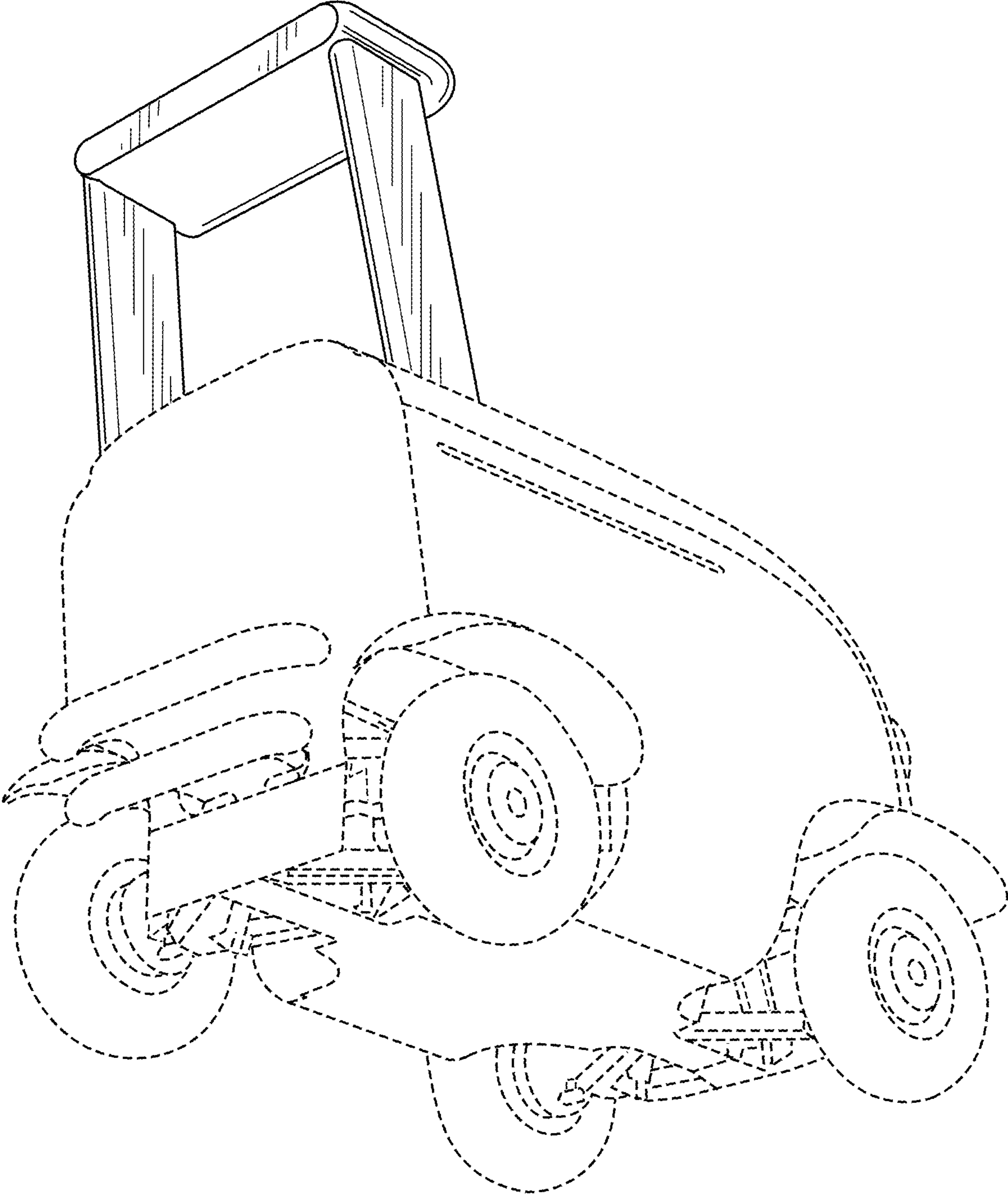


FIG. 9