

US00D965478S

(12) **United States Design Patent** (10) **Patent No.:** **US D965,478 S**
Ahn (45) **Date of Patent:** **** Oct. 4, 2022**

(54) **VEHICLE LOWER GRILLE**
(71) Applicant: **GM GLOBAL TECHNOLOGY OPERATIONS LLC**, Detroit, MI (US)
(72) Inventor: **Jesung Ahn**, Rochester Hills, MI (US)
(73) Assignee: **GM Global Technology Operations LLC**, Detroit, MI (US)
(**) Term: **15 Years**
(21) Appl. No.: **29/771,767**
(22) Filed: **Feb. 25, 2021**
(51) **LOC (13) Cl.** **12-16**
(52) **U.S. Cl.**
USPC **D12/163**
(58) **Field of Classification Search**
USPC D12/169, 196, 86, 90-92, 163, 190, 98,
D12/164; 293/102, 113, 115, 117, 120,
293/193.11; 296/180.1, 180.2; 180/68.1,
180/68.6
CPC B60R 19/52; B60K 11/08; B62D 25/08;
B62B 9/16
See application file for complete search history.

D681,514 S * 5/2013 Platto D12/163
D683,667 S * 6/2013 Platto D12/163
D685,690 S * 7/2013 Svensson D12/163
D712,319 S * 9/2014 Mays D12/163
D716,706 S 11/2014 Thole et al.
D718,673 S 12/2014 Thole et al.
D720,262 S 12/2014 Won
D720,263 S 12/2014 Pevovar et al.
D721,019 S 1/2015 Pevovar et al.
D726,601 S 4/2015 Duff et al.
D727,222 S 4/2015 Jamieson
D730,783 S 6/2015 Henriques et al.
D738,797 S 9/2015 Kavaja
D740,184 S * 10/2015 Blanski D12/163
D742,796 S 11/2015 Loeb
D746,726 S 1/2016 Smith et al.
D746,727 S 1/2016 Smith et al.
D746,728 S 1/2016 Smith et al.
D746,729 S 1/2016 Boniface et al.
D746,730 S 1/2016 Kim et al.
D754,571 S 4/2016 Boniface et al.
D754,572 S 4/2016 McMahan et al.

(Continued)

Primary Examiner — Melody N Brown

(57) **CLAIM**

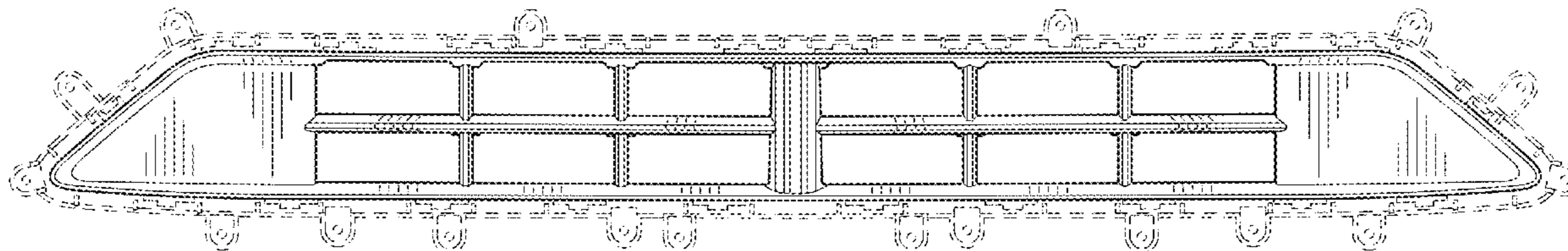
The ornamental design for a vehicle lower grille, as shown and described.

DESCRIPTION

FIG. 1 is a front and left side perspective view of a vehicle grille showing my new design;
FIG. 2 is a front elevation view thereof;
FIG. 3 is a left side elevation view thereof;
FIG. 4 is a right side elevation view thereof;
FIG. 5 is a top plan view thereof;
FIG. 6 is a rear elevation view thereof; and,
FIG. 7 is a bottom plan view thereof.
The broken lines in the drawings depict portions of the vehicle lower grille that form no part of the claimed design.

1 Claim, 7 Drawing Sheets

(56) **References Cited**
U.S. PATENT DOCUMENTS
D473,500 S * 4/2003 Okumoto D12/169
D502,675 S * 3/2005 Ichinose D12/169
D504,366 S * 4/2005 Ishibashi D12/169
D533,819 S * 12/2006 Hogios D12/169
D561,072 S * 2/2008 Golden D12/169
D561,654 S * 2/2008 Platto D12/163
D578,443 S * 10/2008 Schiavone D12/163
D584,196 S * 1/2009 Ebel D12/163
D584,197 S * 1/2009 Song D12/163
D593,460 S * 6/2009 Schiavone D12/163
D680,921 S * 4/2013 Jara D12/163



(56)

References Cited

U.S. PATENT DOCUMENTS

D755,088 S	5/2016	McMahan et al.	
D758,927 S *	6/2016	Messale	D12/163
D771,528 S	11/2016	Smith et al.	
D771,529 S	11/2016	Thole et al.	
D771,533 S *	11/2016	Kapitonov	D12/169
D771,534 S *	11/2016	Bucher	D12/169
D775,003 S	12/2016	Pevovar et al.	
D775,554 S	1/2017	Kapitonov	
D776,020 S	1/2017	Kapitonov	
D780,644 S	3/2017	Kim et al.	
D780,646 S *	3/2017	Wolff	D12/163
D782,944 S	4/2017	Pevovar et al.	
D784,213 S	4/2017	Karras	
D786,145 S	5/2017	Kozub	
D786,743 S *	5/2017	Smith	D12/163
D787,988 S	5/2017	Lee	
D788,656 S *	6/2017	Svensson	D12/163
D789,840 S *	6/2017	Curie	D12/163
D789,841 S	6/2017	Malczewski	
D791,653 S *	7/2017	Svensson	D12/163
D792,290 S	7/2017	Smith et al.	
D792,813 S	7/2017	Kozub	
D792,814 S	7/2017	Kozub	
D793,290 S	8/2017	Kozub	
D793,917 S	8/2017	Kozub	
D793,918 S	8/2017	Kozub	
D795,757 S	8/2017	Pevovar et al.	
D795,758 S	8/2017	Karras	
D795,759 S	8/2017	Kozub et al.	
D795,760 S	8/2017	Kozub et al.	
D795,762 S	8/2017	Lee	
D795,763 S	8/2017	Kozub	
D796,390 S	9/2017	Pevovar et al.	
D797,614 S	9/2017	Lee	
D799,384 S	10/2017	Kozub et al.	
D799,385 S	10/2017	Kozub et al.	
D799,386 S	10/2017	Kozub et al.	
D802,491 S	11/2017	Mainville	
D803,731 S	11/2017	Zipfel et al.	
D803,732 S	11/2017	Yang	
D805,006 S	12/2017	Nakamura	
D805,964 S	12/2017	Whitla et al.	
D805,965 S	12/2017	Davis	
D805,966 S	12/2017	Perkins	
D807,239 S	1/2018	Perkins	
D807,240 S	1/2018	Perkins	
D807,241 S	1/2018	Perkins	
D811,953 S	3/2018	Seol	
D811,954 S	3/2018	Park	
D812,525 S	3/2018	Lee	
D813,730 S	3/2018	Zipfel et al.	
D813,731 S	3/2018	McMahan	
D813,732 S	3/2018	Whitla et al.	
D813,733 S	3/2018	Lee	
D814,982 S	4/2018	Whitla et al.	
D814,983 S	4/2018	Whitla et al.	
D815,570 S *	4/2018	McMahan	D12/163
D815,993 S	4/2018	Kozub et al.	
D815,994 S	4/2018	Nakamura	
D818,884 S	5/2018	Seol	
D818,889 S	5/2018	Yang	
D818,892 S	5/2018	Lee	
D818,893 S	5/2018	Kim	
D819,505 S	6/2018	McMahan et al.	
D819,506 S	6/2018	Han	
D819,512 S *	6/2018	Behmer	D12/163
D820,170 S	6/2018	Kozub et al.	
D821,272 S	6/2018	Han	
D821,273 S	6/2018	Lee	
D823,188 S	7/2018	Loeb	
D823,738 S	7/2018	Kim	
D824,811 S	8/2018	Mainville	
D824,812 S	8/2018	Loeb	
D825,403 S	8/2018	Whitla et al.	
D827,506 S	9/2018	McMahan et al.	
D827,508 S	9/2018	Whitla et al.	
D827,510 S	9/2018	Kim	
D827,513 S *	9/2018	Gueler	D12/163
D830,241 S	10/2018	Kozub	
D830,242 S	10/2018	Zipfel	
D830,918 S	10/2018	Kozub	
D832,146 S *	10/2018	Metros	D12/91
D835,002 S *	12/2018	Metros	D12/91
D835,012 S	12/2018	Smith et al.	
D836,502 S	12/2018	Koo et al.	
D836,503 S	12/2018	Koo et al.	
D837,105 S	1/2019	Loeb	
D837,700 S *	1/2019	Gueler	D12/163
D840,285 S	2/2019	Mack et al.	
D840,286 S	2/2019	Mack et al.	
D841,527 S	2/2019	Kozub et al.	
D841,528 S *	2/2019	Razaghi	D12/163
D845,184 S	4/2019	Zipfel	
D847,038 S	4/2019	Loeb	
D847,041 S	4/2019	Blanski et al.	
D847,699 S	5/2019	Kozub	
D847,700 S	5/2019	Kozub	
D847,701 S	5/2019	Kozub	
D847,702 S	5/2019	Zipfel	
D848,320 S	5/2019	Pinazzo et al.	
D848,908 S	5/2019	Krieg	
D850,331 S	6/2019	Lee et al.	
D850,987 S	6/2019	Yong et al.	
D851,547 S	6/2019	Mack et al.	
D851,548 S	6/2019	Mack et al.	
D851,549 S	6/2019	Mack et al.	
D851,550 S	6/2019	Mack et al.	
D851,551 S	6/2019	Mack et al.	
D851,552 S	6/2019	Mack et al.	
D852,096 S	6/2019	Kozub	
D852,099 S	6/2019	Loeb	
D853,903 S	7/2019	Loeb	
D854,977 S	7/2019	Parkinson et al.	
D855,503 S	8/2019	Blanski et al.	
D856,201 S	8/2019	Blanski et al.	
D857,567 S	8/2019	Blanski et al.	
D857,568 S	8/2019	Lee et al.	
D858,373 S	9/2019	Blanski et al.	
D859,228 S	9/2019	Yong et al.	
D859,229 S	9/2019	Karras et al.	
D859,230 S	9/2019	Parkinson et al.	
D859,231 S	9/2019	Wilkins et al.	
D859,232 S	9/2019	Izard et al.	
D859,233 S	9/2019	Izard et al.	
D863,125 S	10/2019	Whitla et al.	
D863,126 S	10/2019	Whitla et al.	
D863,127 S	10/2019	Whitla et al.	
D863,128 S	10/2019	Whitla et al.	
D863,129 S	10/2019	Zipfel	
D863,130 S	10/2019	Thurber et al.	
D863,131 S	10/2019	Thurber et al.	
D863,132 S	10/2019	Thurber et al.	
D863,134 S	10/2019	Thurber et al.	
D863,135 S	10/2019	O'Donnell et al.	
D863,136 S	10/2019	Blanski et al.	
D863,137 S	10/2019	Kim et al.	
D863,138 S	10/2019	Kim et al.	
D863,140 S	10/2019	Wilkins et al.	
D863,141 S	10/2019	Zipfel	
D864,049 S	10/2019	Luke et al.	
D864,050 S	10/2019	Luke et al.	
D864,051 S	10/2019	Luke et al.	
D864,052 S	10/2019	Zipfel	
D864,053 S	10/2019	Zipfel	
D866,413 S	11/2019	Luke et al.	
D867,939 S	11/2019	Yong et al.	
D868,639 S	12/2019	Wilkins et al.	
D870,001 S	12/2019	Mai	
D873,726 S	1/2020	Zipfel	
D879,679 S *	3/2020	Kezha	D12/163
D885,261 S	5/2020	Zipfel	
D892,000 S	8/2020	De Leon	
D894,059 S	8/2020	Mai	
D894,801 S	9/2020	Zipfel	

(56)

References Cited

U.S. PATENT DOCUMENTS

D902,795 S	11/2020	Schmeckpeper	
D909,929 S *	2/2021	Bucher	D12/163
D924,741 S *	7/2021	Hunwick	D12/163
D937,143 S *	11/2021	Hamilton	D12/163
D944,131 S *	2/2022	Ponomarenko	D12/163
D944,133 S *	2/2022	Jevremovic	D12/163

* cited by examiner

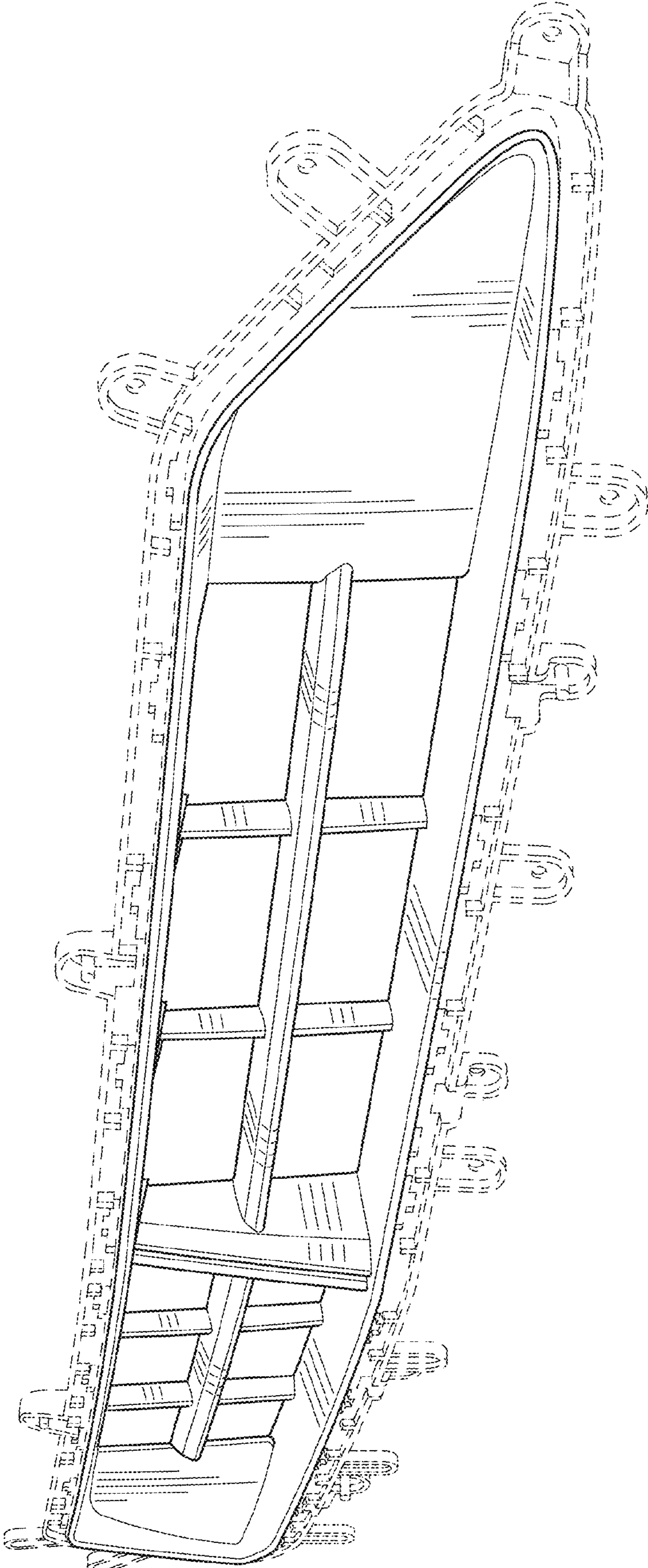


FIG. 1

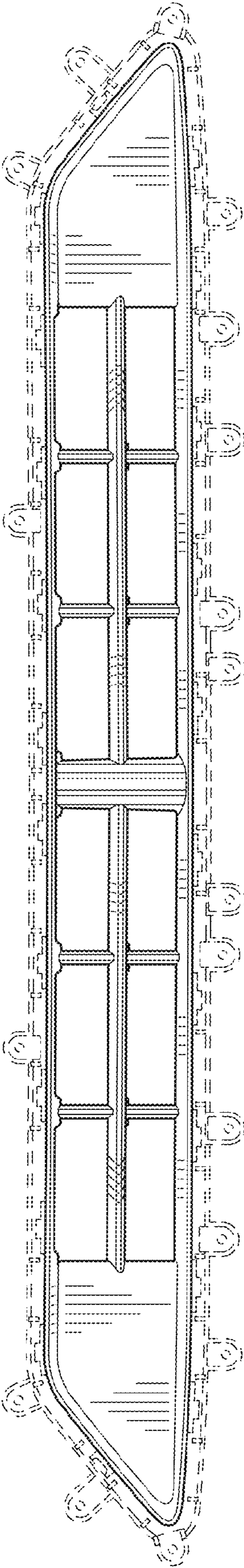


FIG. 2

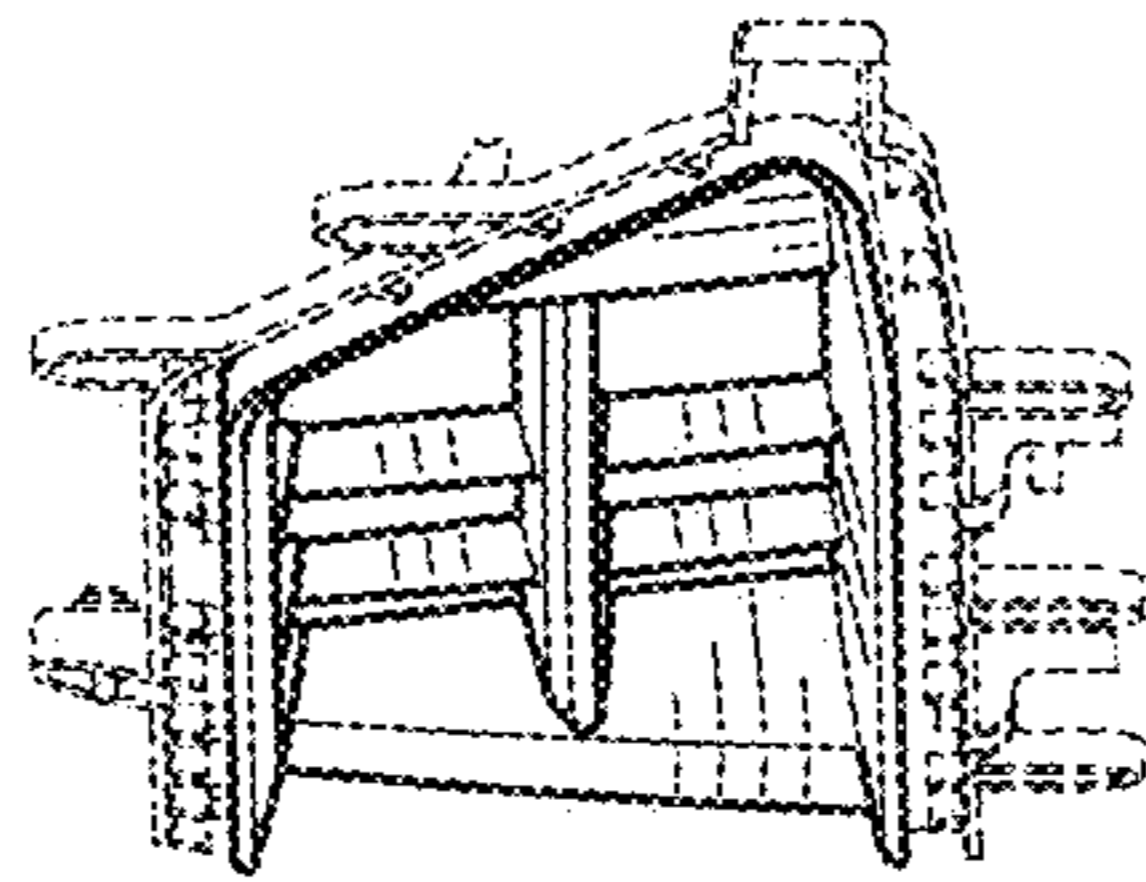


FIG. 3

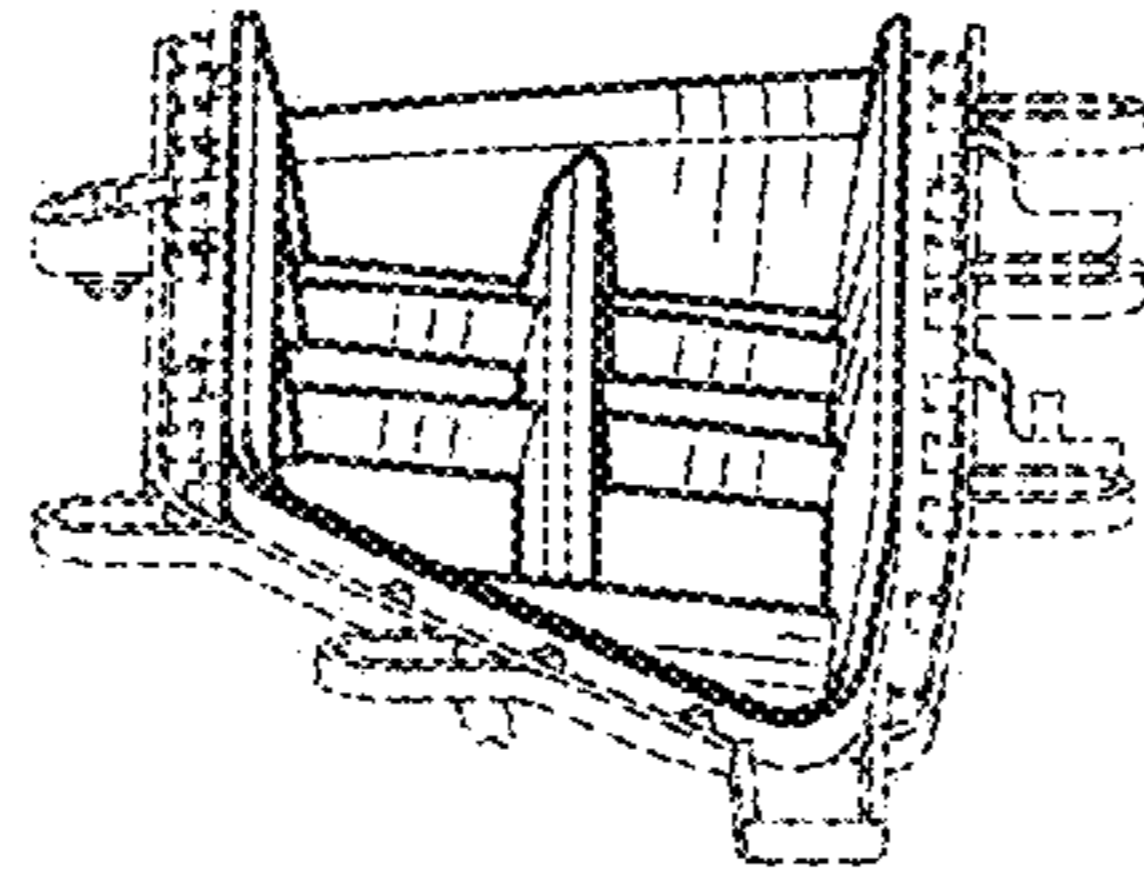


FIG. 4

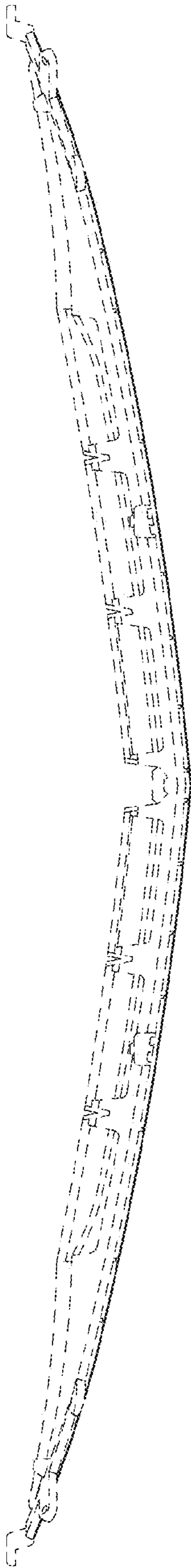


FIG. 5

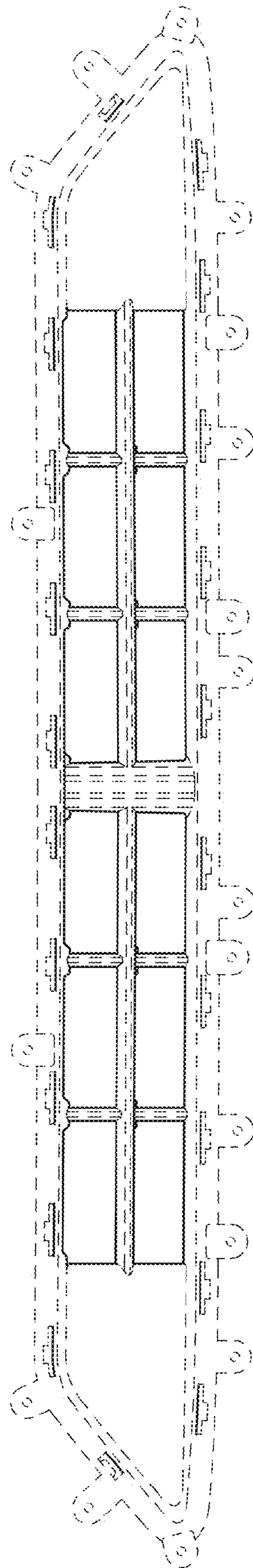


FIG. 6

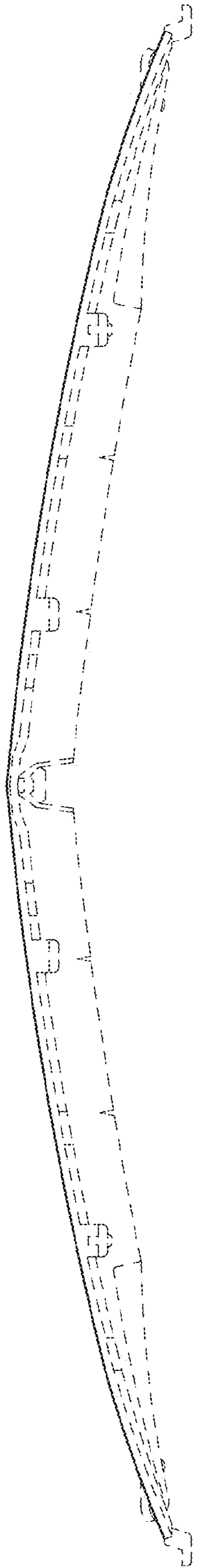


FIG. 7