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(12) **United States Design Patent** (10) **Patent No.:** **US D969,683 S**
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(54) **VEHICLE FRONT LOWER BUMPER**
(71) Applicant: **GM GLOBAL TECHNOLOGY OPERATIONS LLC**, Detroit, MI (US)
(72) Inventor: **Gary W. Ruiz**, Royal Oak, MI (US)
(73) Assignee: **GM Global Technology Operations LLC**, Detroit, MI (US)
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D12/164; 293/102, 113, 115, 117, 120,
293/193.11; 296/180.1, 180.2
CPC B60R 19/02; B60R 19/04; B62D 25/08
See application file for complete search history.

D786,149 S 5/2017 Pevovar et al.
D787,990 S 5/2017 Kozub et al.
D792,293 S 7/2017 McCabe et al.
D792,295 S 7/2017 McCabe et al.
D792,815 S 7/2017 Kozub
D792,816 S 7/2017 Kozub
D793,292 S 8/2017 Lee
D793,293 S 8/2017 Lee et al.
D793,296 S 8/2017 Smith et al.
D793,297 S 8/2017 Smith et al.
D793,301 S 8/2017 Kozub
D793,302 S 8/2017 Kozub
D798,204 S 9/2017 Mainville
D802,496 S 11/2017 Mainville
D811,957 S 3/2018 Whitla et al.
D811,960 S 3/2018 Nakamura
D811,964 S 3/2018 Perkins
D812,526 S 3/2018 Zipfel et al.
D812,527 S 3/2018 Perkins
D812,528 S 3/2018 Nakamura
D813,109 S 3/2018 Zipfel et al.

(Continued)

Primary Examiner — Melody N Brown

(57) **CLAIM**

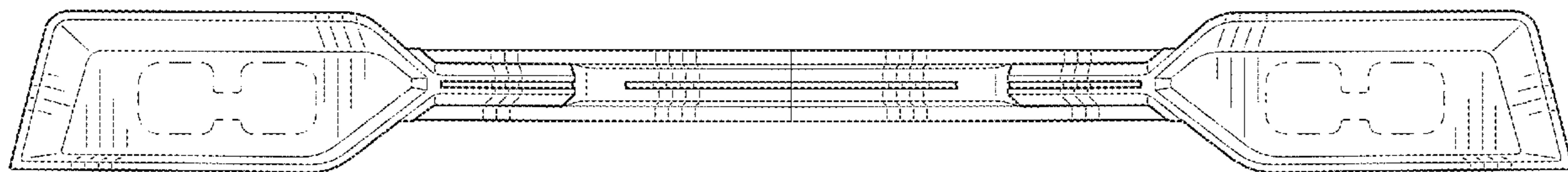
The ornamental design for a vehicle front lower bumper, as shown and described.

DESCRIPTION

FIG. 1 is a front and left side perspective view of a vehicle front lower bumper 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 rear elevation view thereof; FIG. 6 is a top plan view thereof; and, FIG. 7 is a bottom plan view thereof. The broken lines in the drawings depict portions of the vehicle front lower bumper that form no part of the claimed design.

1 Claim, 7 Drawing Sheets

(56) **References Cited**
U.S. PATENT DOCUMENTS
D717,703 S 11/2014 Munson et al.
D720,668 S 1/2015 Pevovar et al.
D745,837 S 12/2015 Smith et al.
D749,021 S 2/2016 Boniface et al.
D753,034 S 4/2016 Thole et al.
D753,559 S 4/2016 McMahan et al.
D753,560 S 4/2016 McMahan et al.
D771,532 S 11/2016 Kapitonov
D771,533 S 11/2016 Kapitonov
D772,766 S 11/2016 Kozub et al.
D772,767 S 11/2016 Kim
D775,007 S 12/2016 Thole et al.
D775,010 S 12/2016 Kim et al.
D776,583 S 1/2017 Scheer et al.



(56)

References Cited

U.S. PATENT DOCUMENTS

| | | | | | |
|------------|--------|-------------------|--------------|---------|----------------------|
| D813,734 S | 3/2018 | Nakamura | D855,509 S | 8/2019 | Wilkins |
| D814,369 S | 4/2018 | Loeb | D856,204 S | 8/2019 | Kapitonov |
| D816,558 S | 5/2018 | McMahan et al. | D856,206 S | 8/2019 | De Leon |
| D816,559 S | 5/2018 | McMahan et al. | D856,864 S | 8/2019 | Kapitonov |
| D816,561 S | 5/2018 | McMahan | D856,874 S | 8/2019 | Kozub |
| D816,562 S | 5/2018 | Whitla et al. | D856,875 S | 8/2019 | Kozub |
| D816,564 S | 5/2018 | Kim | D860,075 S | 9/2019 | Riggs et al. |
| D816,566 S | 5/2018 | Loeb | D860,076 S | 9/2019 | Bartels et al. |
| D818,406 S | 5/2018 | McMahan et al. | D860,078 S | 9/2019 | O'Donnell et al. |
| D820,173 S | 6/2018 | McMahan | D862,337 S | 10/2019 | Pinazzo et al. |
| D820,174 S | 6/2018 | Whitla et al. | D863,140 S | 10/2019 | Wilkins et al. |
| D821,941 S | 7/2018 | Mack et al. | D863,147 S | 10/2019 | Zipfel |
| D821,950 S | 7/2018 | Kozub | D863,149 S | 10/2019 | Luke et al. |
| D822,550 S | 7/2018 | Wassell et al. | D863,150 S | 10/2019 | Krieg et al. |
| D826,114 S | 8/2018 | Smith et al. | D863,152 S | 10/2019 | Kozub |
| D826,803 S | 8/2018 | Smith et al. | D864,057 S | 10/2019 | Krieg et al. |
| D837,109 S | 1/2019 | Kozub et al. | D867,232 S | 11/2019 | Izard |
| D840,293 S | 2/2019 | Koo et al. | D868,639 S | 12/2019 | Wilkins et al. |
| D841,532 S | 2/2019 | Koo et al. | D868,650 S | 12/2019 | Gifford |
| D843,275 S | 3/2019 | Koo et al. | D868,651 S | 12/2019 | Gifford |
| D845,187 S | 4/2019 | Pinazzo et al. | D868,656 S | 12/2019 | De Leon |
| D845,190 S | 4/2019 | Zipfel | D870,619 S | 12/2019 | Gifford |
| D845,196 S | 4/2019 | Kozub | D873,733 S | 1/2020 | Kozub |
| D847,042 S | 4/2019 | Pinazzo et al. | D874,362 S | 2/2020 | Izard |
| D847,044 S | 4/2019 | Zipfel | D877,001 S | 3/2020 | Izard |
| D847,704 S | 5/2019 | Zipfel | D877,002 S | 3/2020 | Izard |
| D847,705 S | 5/2019 | Zipfel | D877,003 S | 3/2020 | Izard |
| D847,707 S | 5/2019 | Park Cheng et al. | D877,004 S | 3/2020 | Wilkins et al. |
| D847,714 S | 5/2019 | Park Cheng et al. | D877,007 S | 3/2020 | Zipfel |
| D848,318 S | 5/2019 | McMahan et al. | D877,009 S | 3/2020 | Luke et al. |
| D848,322 S | 5/2019 | Mack et al. | D881,083 S | 4/2020 | Blanski et al. |
| D848,323 S | 5/2019 | Mack et al. | D882,466 S | 4/2020 | Yong et al. |
| D848,324 S | 5/2019 | Thurber et al. | D885,265 S | 5/2020 | Zipfel |
| D848,325 S | 5/2019 | Thurber et al. | D887,323 S | 6/2020 | Zipfel |
| D850,989 S | 6/2019 | Kozub | D889,331 S | 7/2020 | O'Donnell et al. |
| D851,555 S | 6/2019 | Whitla et al. | D892,003 S | 8/2020 | Zipfel |
| D851,556 S | 6/2019 | Thurber et al. | D894,060 S | 8/2020 | Izard |
| D851,557 S | 6/2019 | Thurber et al. | D894,061 S | 8/2020 | Zipfel |
| D851,560 S | 6/2019 | Yong et al. | D902,802 S | 11/2020 | Choi et al. |
| D851,561 S | 6/2019 | Yong et al. | D902,803 S | 11/2020 | Choi et al. |
| D853,904 S | 7/2019 | Koo et al. | D902,817 S | 11/2020 | Choi et al. |
| D854,979 S | 7/2019 | Krieg et al. | D902,818 S | 11/2020 | Choi et al. |
| D855,508 S | 8/2019 | Wilkins et al. | D903,567 S | 12/2020 | Choi et al. |
| | | | D930,527 S * | 9/2021 | Buller D12/169 |

* cited by examiner

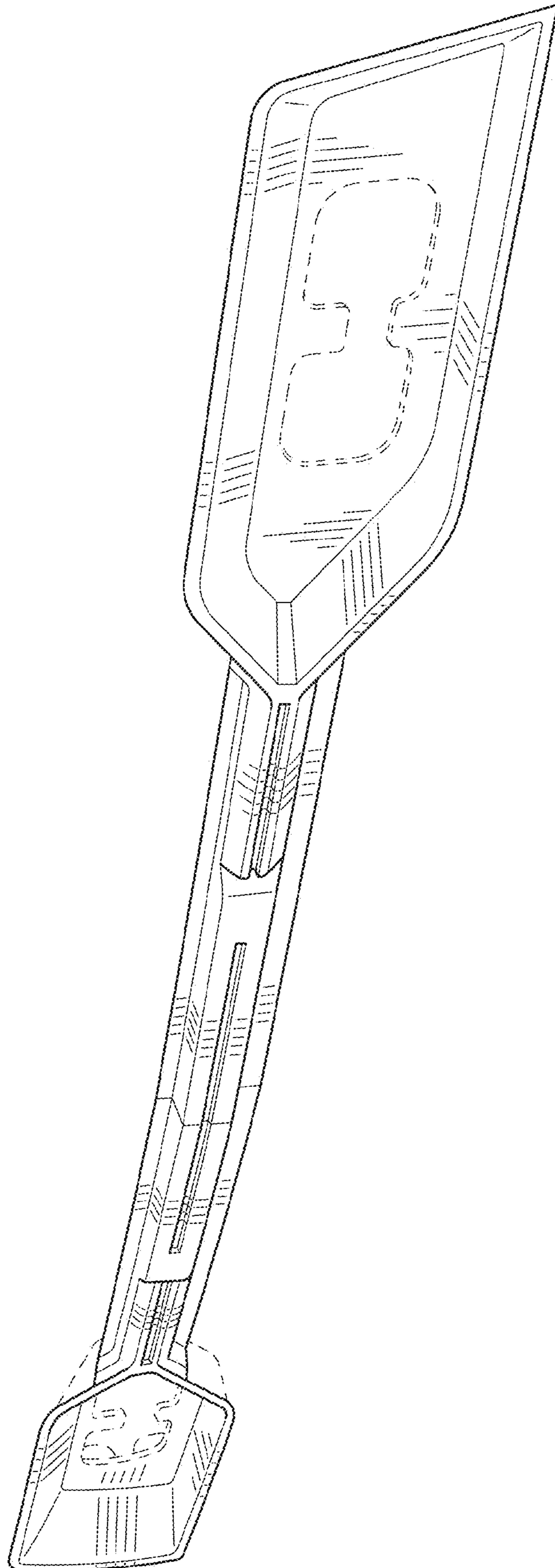


FIG. 1

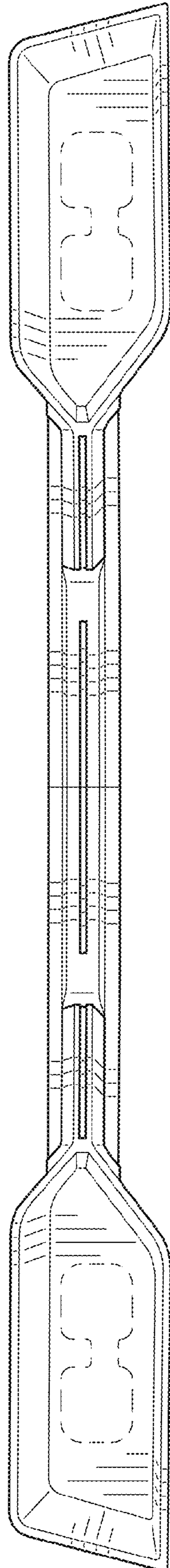


FIG. 2

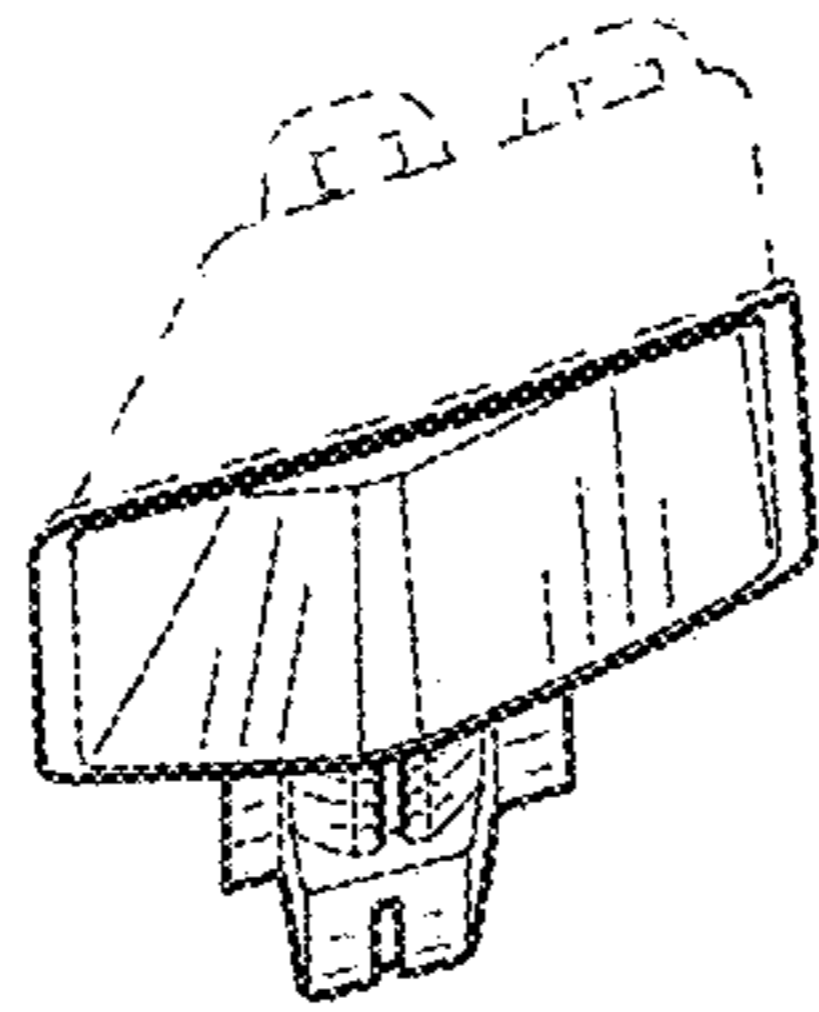


FIG. 3

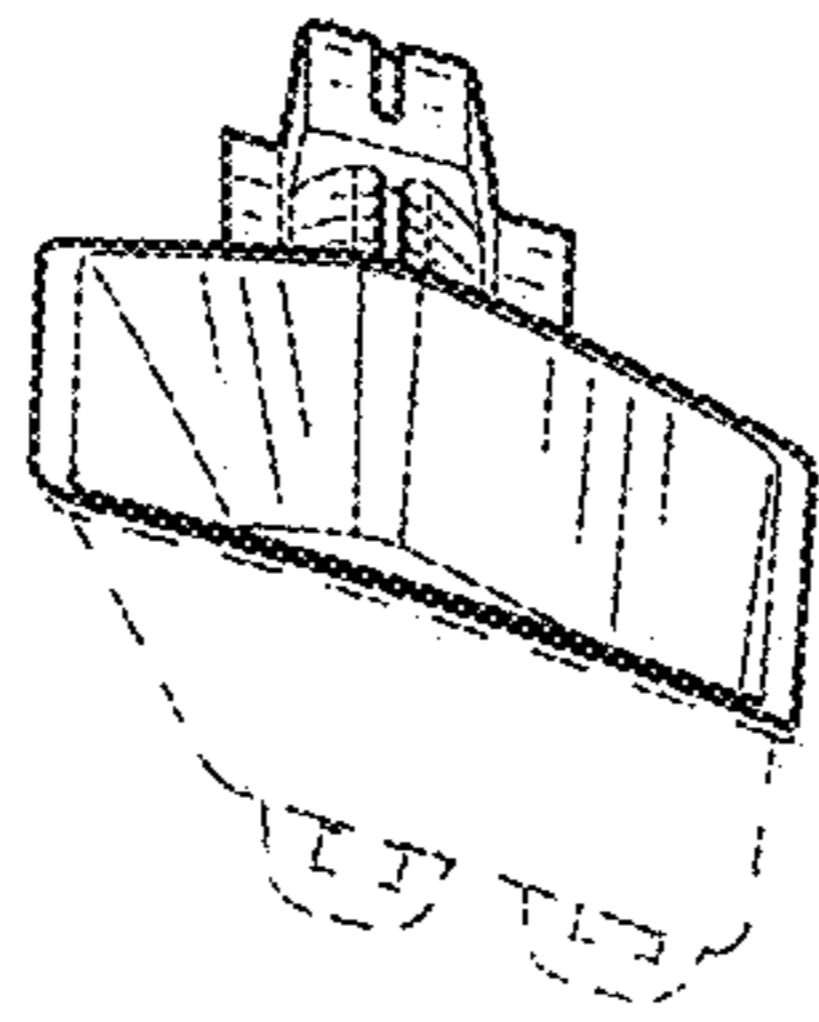


FIG. 4

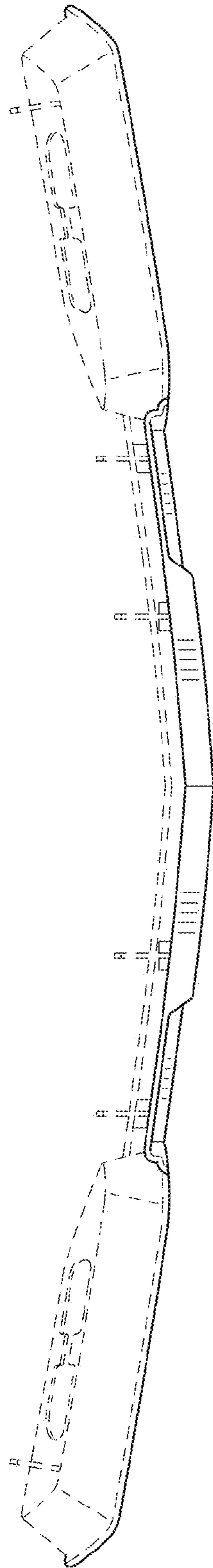


FIG. 5

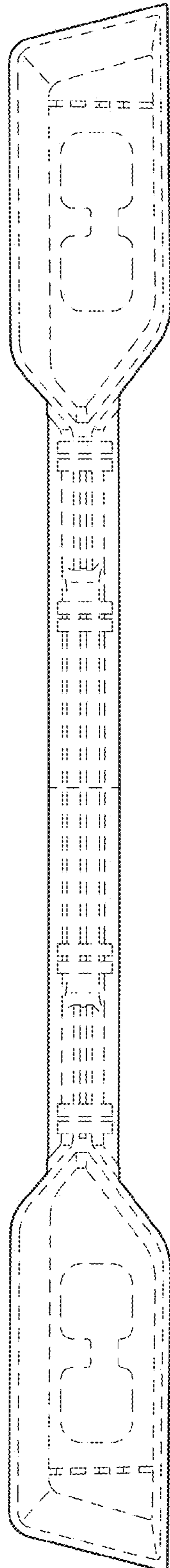


FIG. 6

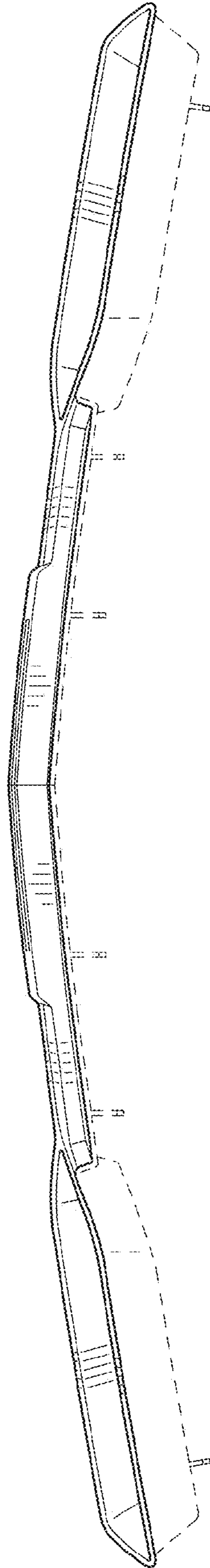


FIG. 7