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(12) **United States Design Patent** (10) **Patent No.:** **US D958,063 S**
Griswold et al. (45) **Date of Patent:** **** Jul. 19, 2022**

(54) **ENERGY HARVESTING DEVICE**
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(73) Assignee: **TDK CORPORATION**, Tokyo (JP)
(**) Term: **15 Years**
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(22) Filed: **Sep. 1, 2020**
(51) **LOC (13) Cl.** **13-02**
(52) **U.S. Cl.**
USPC **D13/103**
(58) **Field of Classification Search**
USPC D13/102–106, 110, 118–121, 184, 199
CPC ... B62J 43/13; B62J 43/20; B62J 6/16; B62M 6/45; B62M 6/90
See application file for complete search history.

Dolphin battery for electric bicycle. Mar. 16, 2022. Green Bike Kit. <https://www.greenbikekit.com/24v-lithium-ion-bottle-battery.html>.
Lithium ion Battery Pack. Jan. 24, 2019. Amazon. <https://www.amazon.ca/Battery-Lithium-Electric-Mountain-Function/dp/B07JG68N7N>.
Luna Wolf V2 52v Battery Pack. Before Jun. 28, 2021. Luna Cycle. <https://lunacycle.com/luna-wolf-v2-52v-battery-pack/#trustspot-widget-wrapper>.

* cited by examiner

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(57) **CLAIM**

The ornamental design for an energy harvesting device, as shown and described.

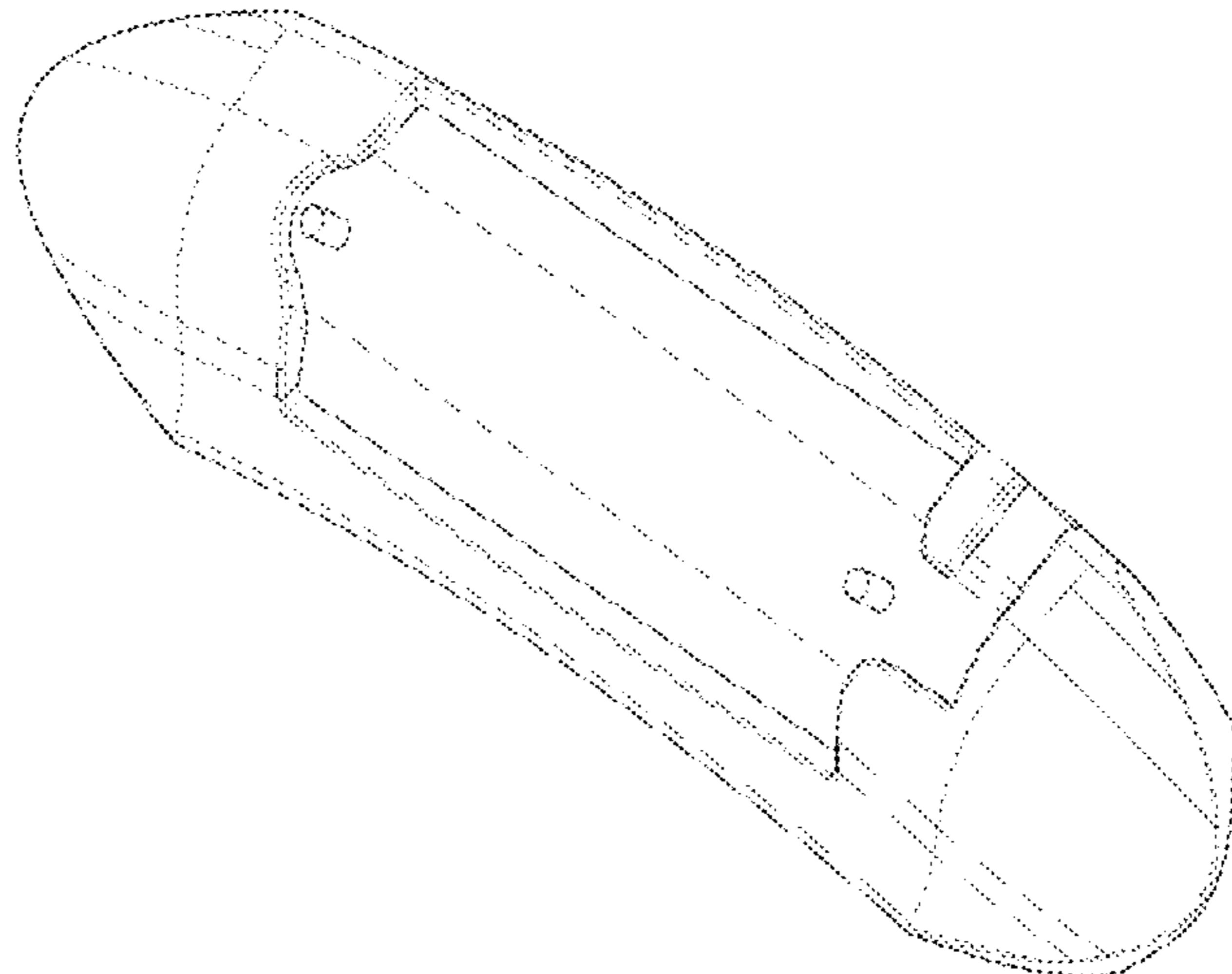
DESCRIPTION

FIG. 1 is a top, front, right perspective view of the energy harvesting device;
FIG. 2 is a view illustrating a front of the energy harvesting device;
FIG. 3 is a view illustrating a rear of the energy harvesting device;
FIG. 4 is a view illustrating a left side of the energy harvesting device;
FIG. 5 is a view illustrating a right side of the energy harvesting device;
FIG. 6 is a view illustrating a top of the energy harvesting device; and,
FIG. 7 is a view illustrating a bottom of the energy harvesting device.
The wire frame lines shown throughout the views are intended to indicate surface contour and are not intended to be surface ornamentation.

(56) **References Cited**
U.S. PATENT DOCUMENTS
D635,507 S * 4/2011 Ueda D13/103
D764,411 S * 8/2016 Sondors D13/119
D811,275 S * 2/2018 Hendey D12/111
D927,415 S * 8/2021 Li D13/103
D941,753 S * 1/2022 Sauvageot D13/103
2021/0028725 A1 * 1/2021 Griswold B60C 23/0411
2021/0060749 A1 * 3/2021 Yang B25C 1/047
2021/0079690 A1 * 3/2021 Von Matern H02K 7/1853
2021/0091618 A1 * 3/2021 Lazarewicz H02K 7/025
2021/0214096 A1 * 7/2021 Allen B64D 41/00
2021/0273484 A1 * 9/2021 Stringham H02J 15/007
2021/0376691 A1 * 12/2021 Powell H02K 7/025
2022/0048586 A1 * 2/2022 Trif B62J 43/13

OTHER PUBLICATIONS
Bicycle Batteries. (Design—© Questel) orbit.com. [Online PDF compilation of references] 66 pgs. Print Dates Range Feb. 26, 2021-Mar. 19, 2020 [Retrieved Mar. 16, 2022].*

1 Claim, 4 Drawing Sheets



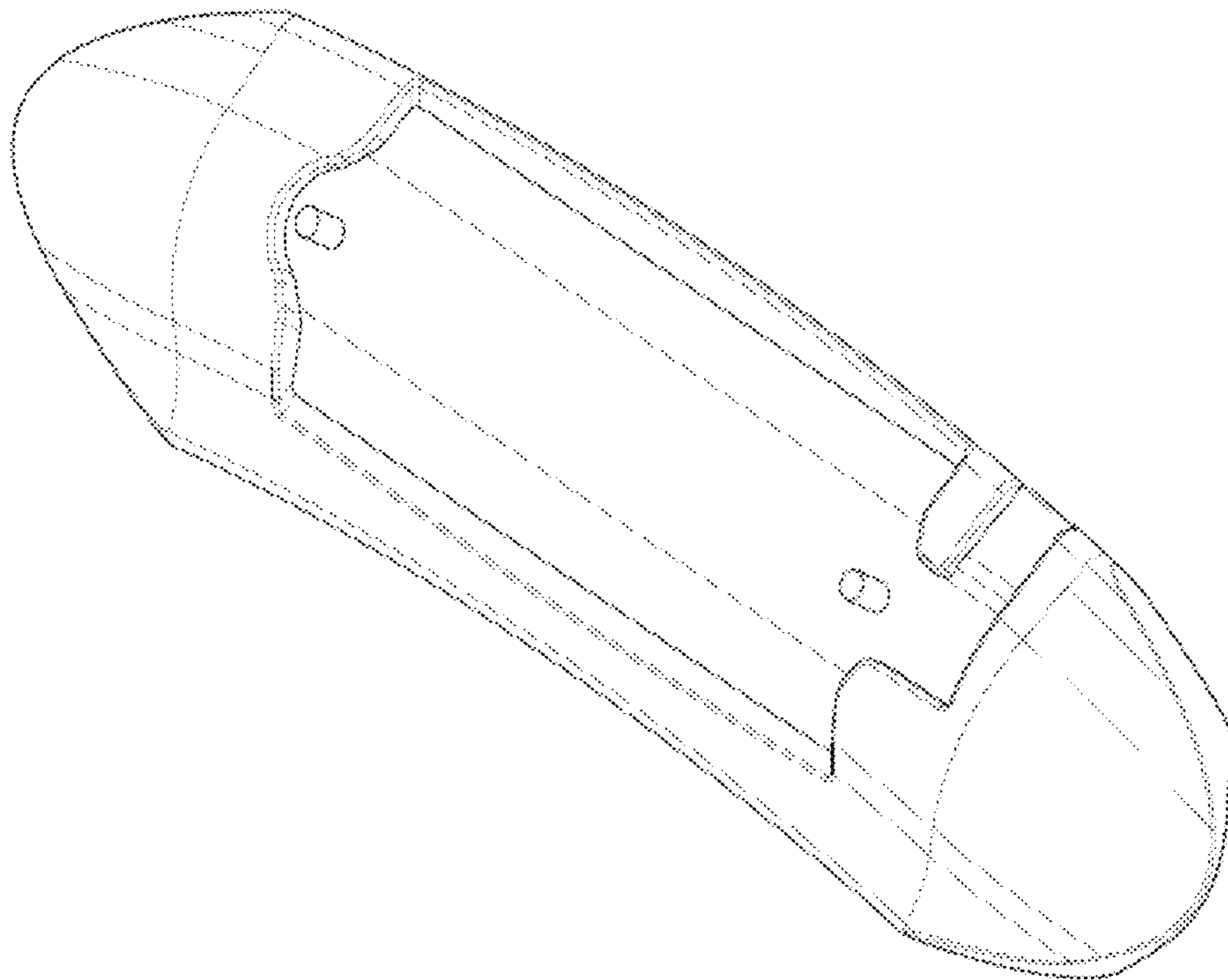


FIG. 1

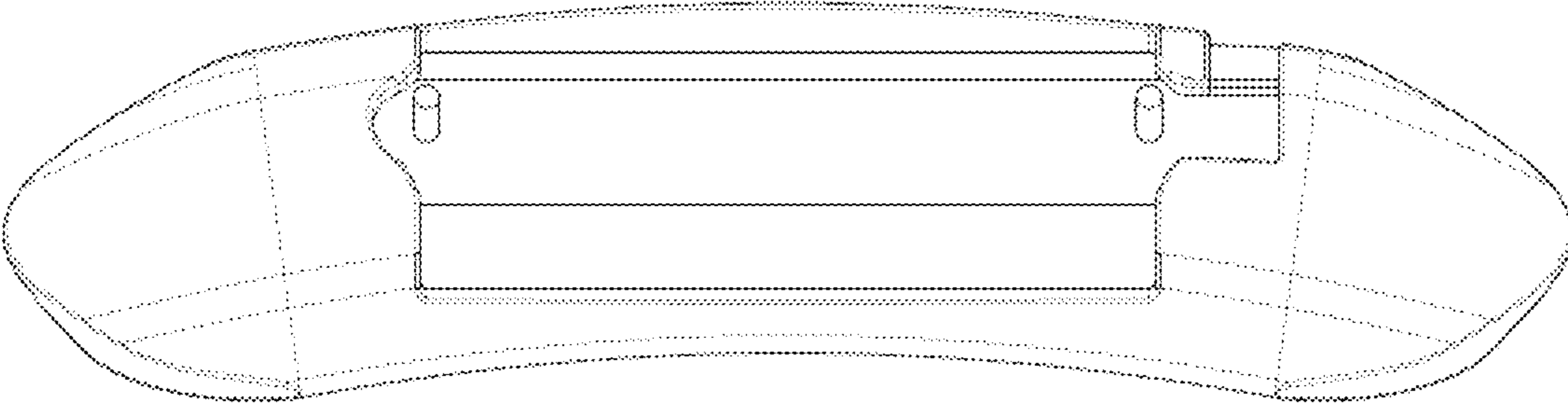


FIG. 2

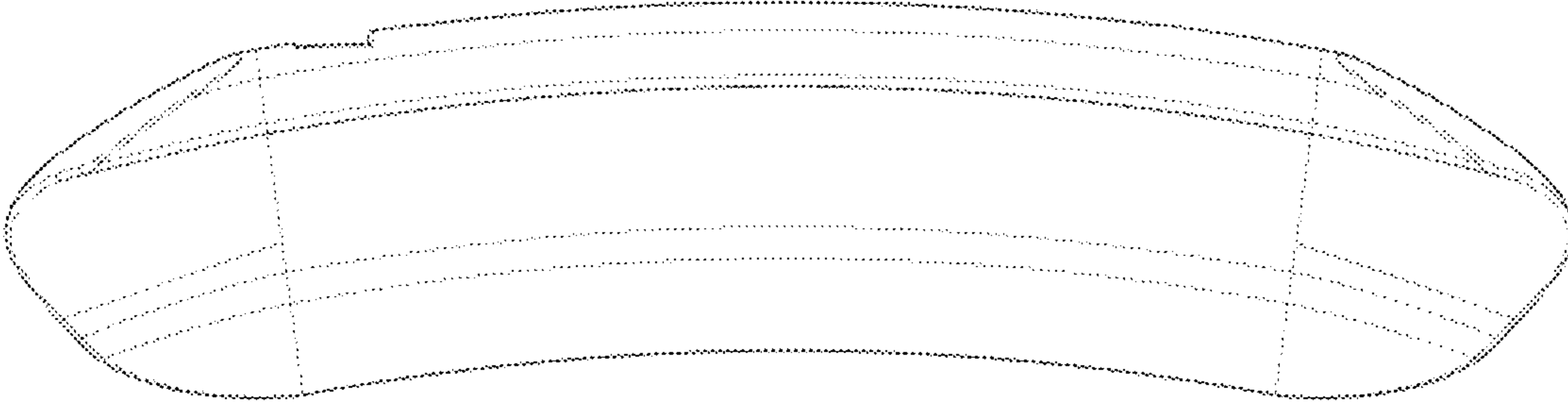


FIG. 3

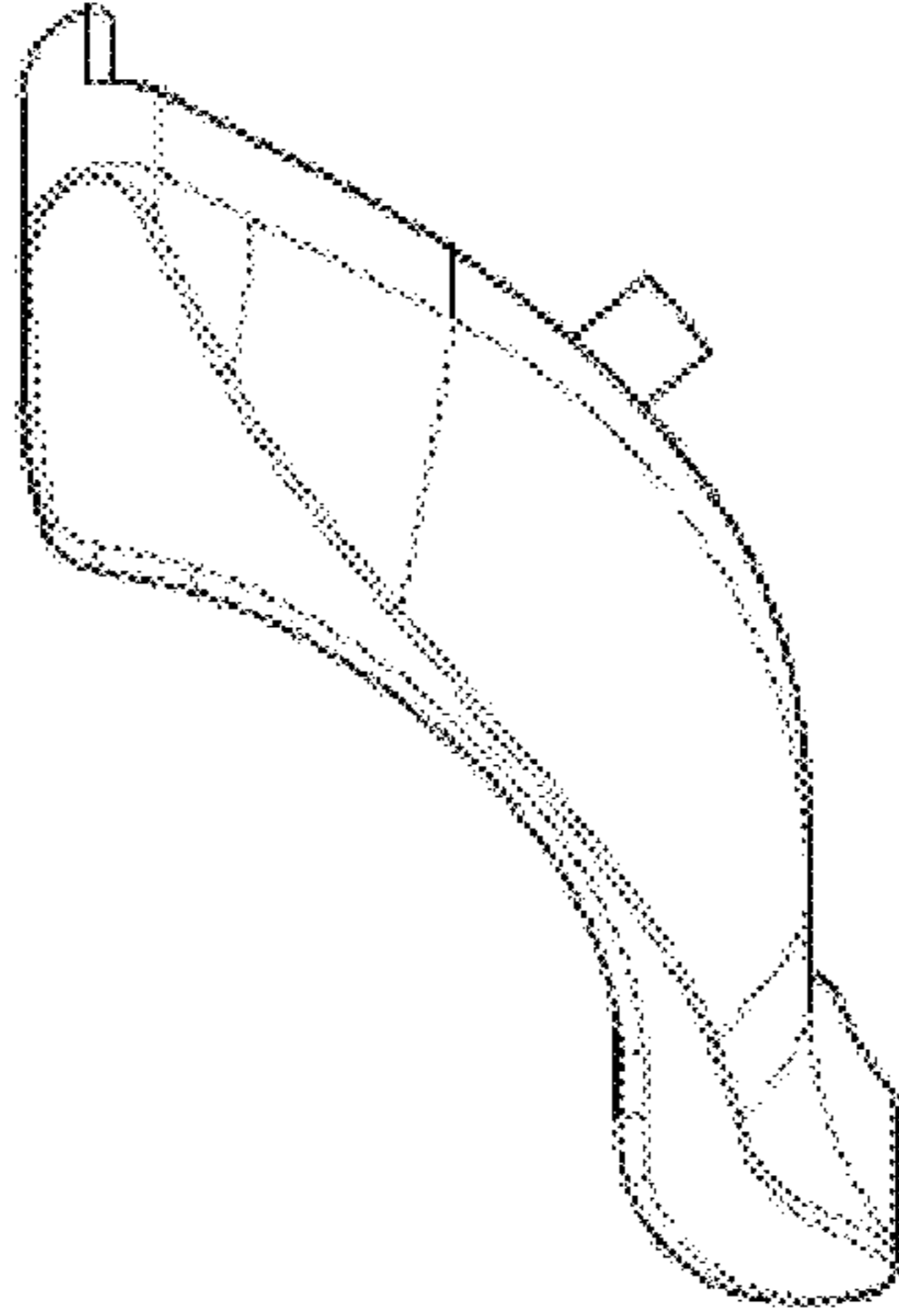


FIG. 4

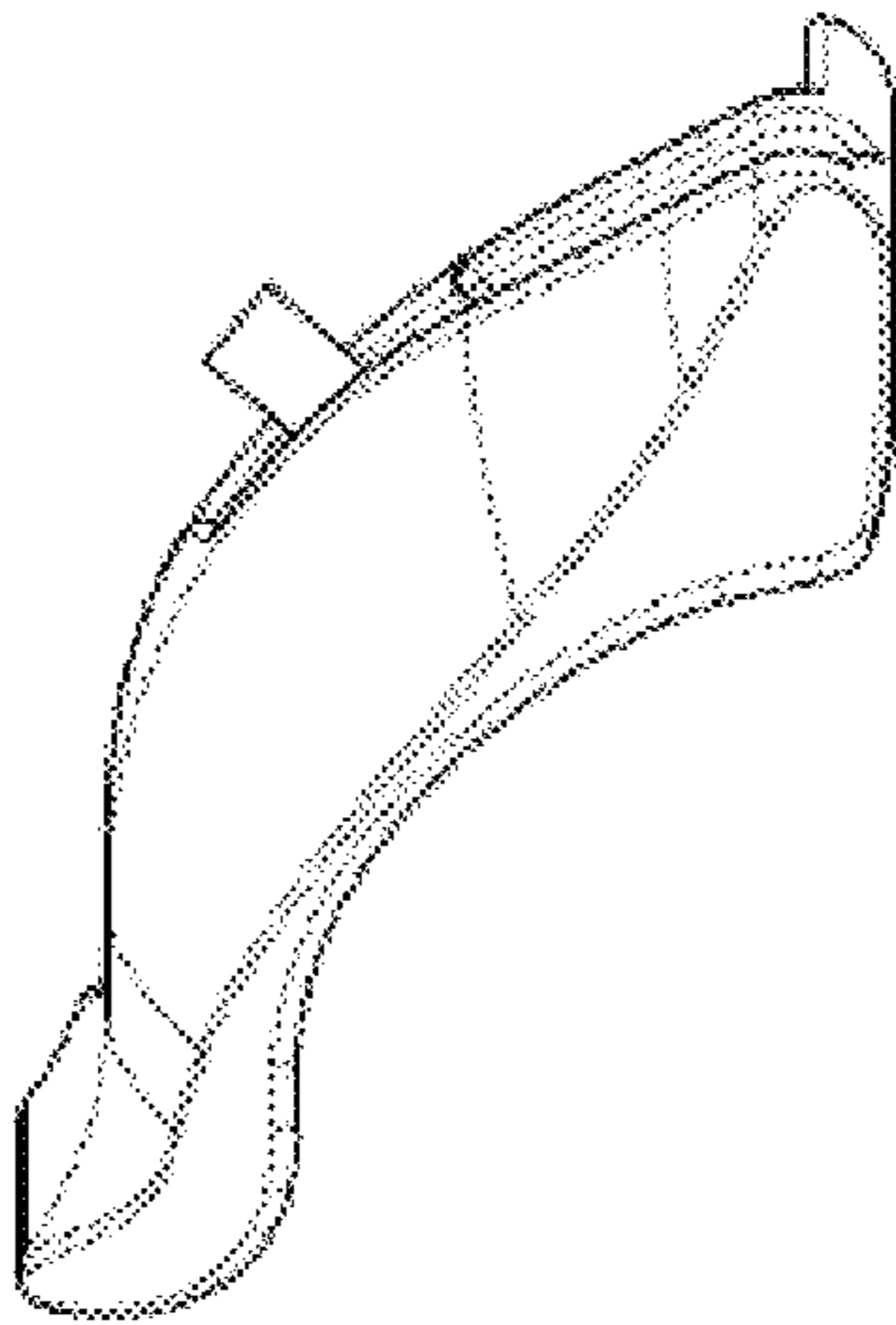


FIG. 5

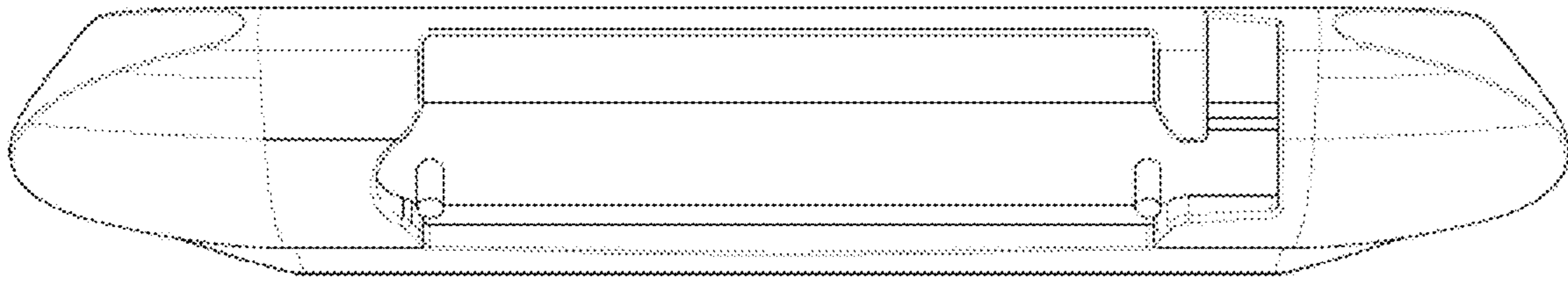


FIG. 6

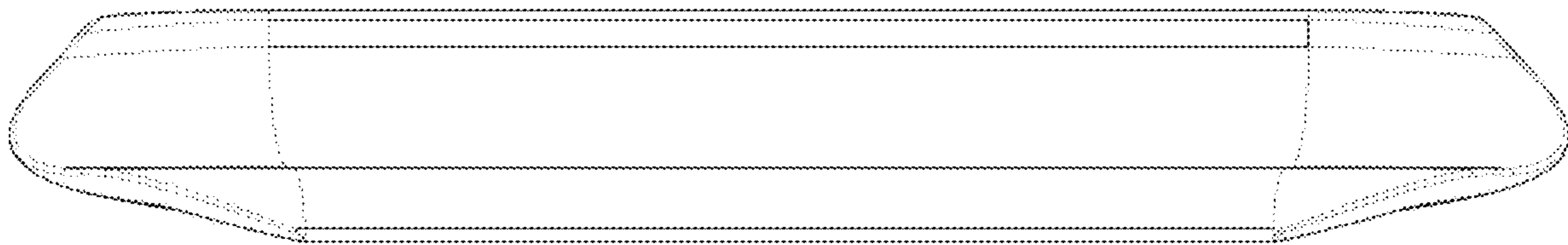


FIG. 7