



US00D823144S

(12) **United States Design Patent** (10) **Patent No.:** **US D823,144 S**
Kareco et al. (45) **Date of Patent:** **** Jul. 17, 2018**

(54) **COMBINED CAP AND BASE OF A SENSOR**

6,095,572 A 8/2000 Ford et al.
6,622,564 B2 9/2003 Imai
6,948,373 B2 9/2005 Imai

(71) Applicant: **IDEX Health & Science LLC**, Oak Harbor, WA (US)

(Continued)

(72) Inventors: **Kostandin Kareco**, Cheshire, CT (US);
Lisa Shinn, Anacortes, WA (US);
Andrew Shaw, West Hartford, CT (US);
Mark Joiner, Bristol, CT (US);
Troy Sanders, Oak Harbor, WA (US)

OTHER PUBLICATIONS

Sensors, posted on idex-hs.com, copyrighted 2016, no production date given, [online], [site visited Mar. 30, 2017], Available from Internet, <URL: <https://www.idex-hs.com/fluidics/sensors.html>>.*

(Continued)

(73) Assignee: **IDEX Health & Science LLC**, Oak Harbor, WA (US)

Primary Examiner — Melanie H Tung
Assistant Examiner — Fritzgerald L Butac

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

(74) *Attorney, Agent, or Firm* — Vinson & Elkins LLP

(21) Appl. No.: **29/558,759**

(57) **CLAIM**

We claim the ornamental design for combined cap and base of a sensor, as shown and described.

(22) Filed: **Mar. 21, 2016**

DESCRIPTION

(51) **LOC (11) Cl.** **10-07**

(52) **U.S. Cl.**
USPC **D10/46**

(58) **Field of Classification Search**
USPC D10/46, 50–56, 75, 78, 106.7, 72, 104.1;
D13/125, 134, 156, 158, 159; D14/159;
D26/72
CPC F15C 1/08; F15C 1/005; G01D 11/00; G01D
11/24; G01D 11/245
See application file for complete search history.

FIG. 1 is an isometric view of the combined cap and base of a sensor.

FIG. 2 is a top view of the combined cap and base of a sensor shown in FIG. 1.

FIG. 3 is a first side view of the combined cap and base of a sensor shown in FIG. 1.

FIG. 4 is a second side view of the combined cap and base of a sensor shown in FIG. 1.

FIG. 5 is a third side view of the combined cap and base of a sensor shown in FIG. 1.

FIG. 6 is a fourth side view of the combined cap and base of a sensor shown in FIG. 1; and,

FIG. 7 is a side view of the combined cap and base of a sensor shown in FIG. 1.

The broken lines in FIG. 7 showing an adapter are for the purpose of illustrating environmental structure, and form no part of the claimed design.

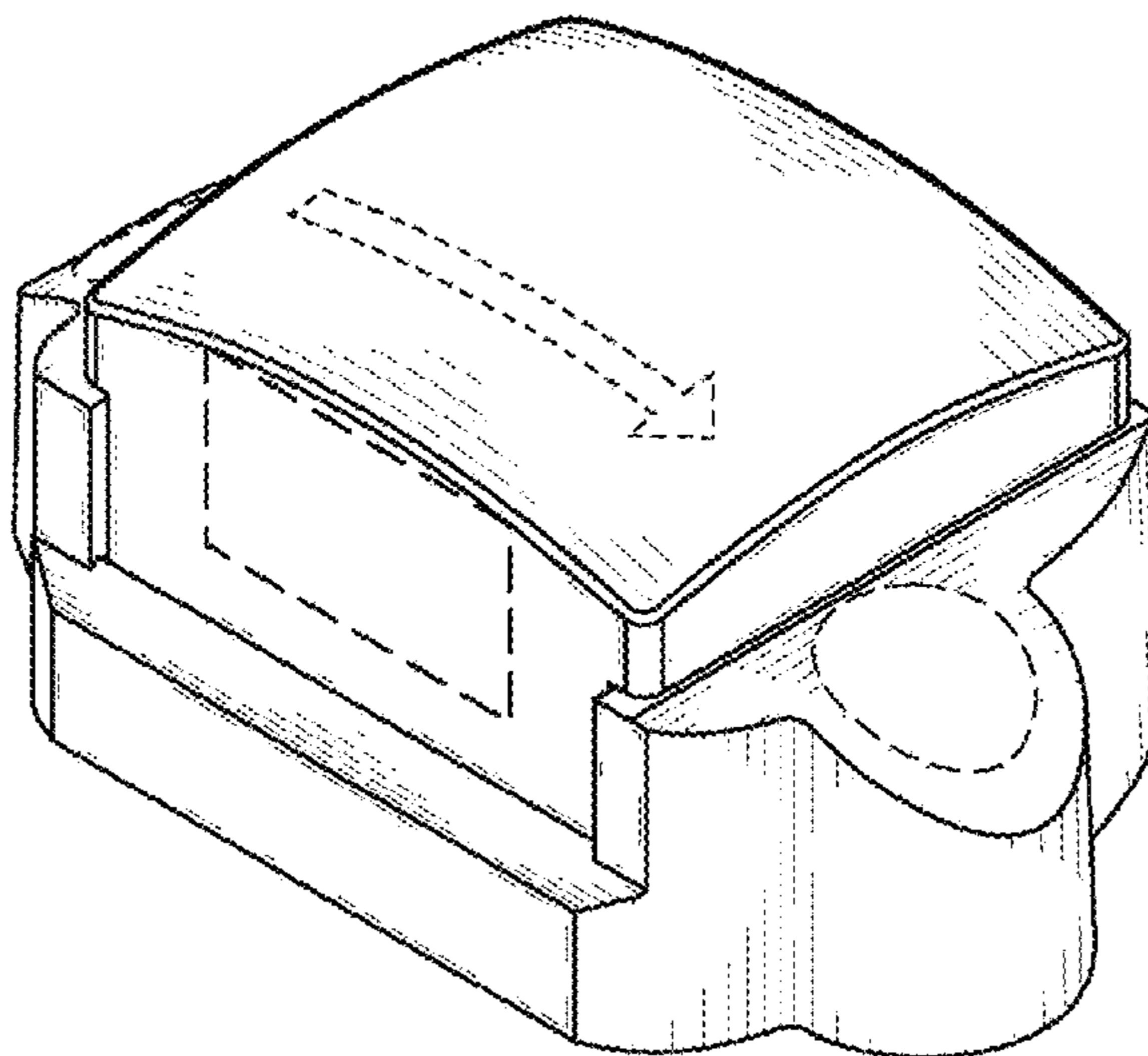
The broken lines show portions of a sensor that form no part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,713,341 A	1/1973	Madsen et al.
3,880,151 A	4/1975	Nilsson et al.
4,920,972 A	5/1990	Frank et al.
5,525,303 A	6/1996	Ford et al.
5,693,887 A	12/1997	Englund et al.
5,730,943 A	3/1998	Ford et al.
5,852,244 A	12/1998	Englund et al.
5,869,766 A	2/1999	Gucci et al.

1 Claim, 3 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D559,711 S * 1/2008 Chan D10/53
 7,905,140 B2 3/2011 Kanne
 8,312,774 B2 11/2012 Bentley et al.
 D714,221 S * 9/2014 Neiser D13/139.8
 D716,236 S * 10/2014 Baldwin D13/155
 D716,237 S * 10/2014 Baldwin D13/155
 D718,201 S * 11/2014 Drew D12/192
 D729,177 S * 5/2015 Baldwin D13/155
 D748,064 S * 1/2016 Baldwin D13/155
 D756,307 S * 5/2016 Ruddick D13/155
 D765,037 S * 8/2016 Hebert D13/156
 D768,577 S * 10/2016 Elbaz D13/156
 D768,610 S * 10/2016 Moon D14/242
 D771,574 S * 11/2016 Hultquist D13/156
 D774,003 S * 12/2016 Lee D13/156
 D776,113 S * 1/2017 Bierach D14/383
 D781,237 S * 3/2017 Wilkins, III D13/152
 2017/0248449 A1 * 8/2017 Kareco G01D 11/245

OTHER PUBLICATIONS

Flow Sensors, posted on idex-hs.com, copyrighted 2016, no production date given, [online], [site visited Oct. 11, 2017], Available from Internet, URL: <https://www.idex-hs.com/fluidics/sensors/flow-sensors.html> (Year: 2016).*

Flow Sensor, posted on futurlec.com, no posted date given, no production date given, [online], [site visited Oct. 11, 2017], Available from Internet, URL: http://www.futurlec.com/Flow_Sensor.shtml (Year: 2017).*

Piusi K24 Fuel Flow Meter, posted on centretank.com, no posted date given, no production date given, [online], [site visited Oct. 11, 2017], Available from Internet, URL: <https://www.centretank.com/products/detail/piusi-k24-digital-flow-meter> (Year: 2017).*

* cited by examiner

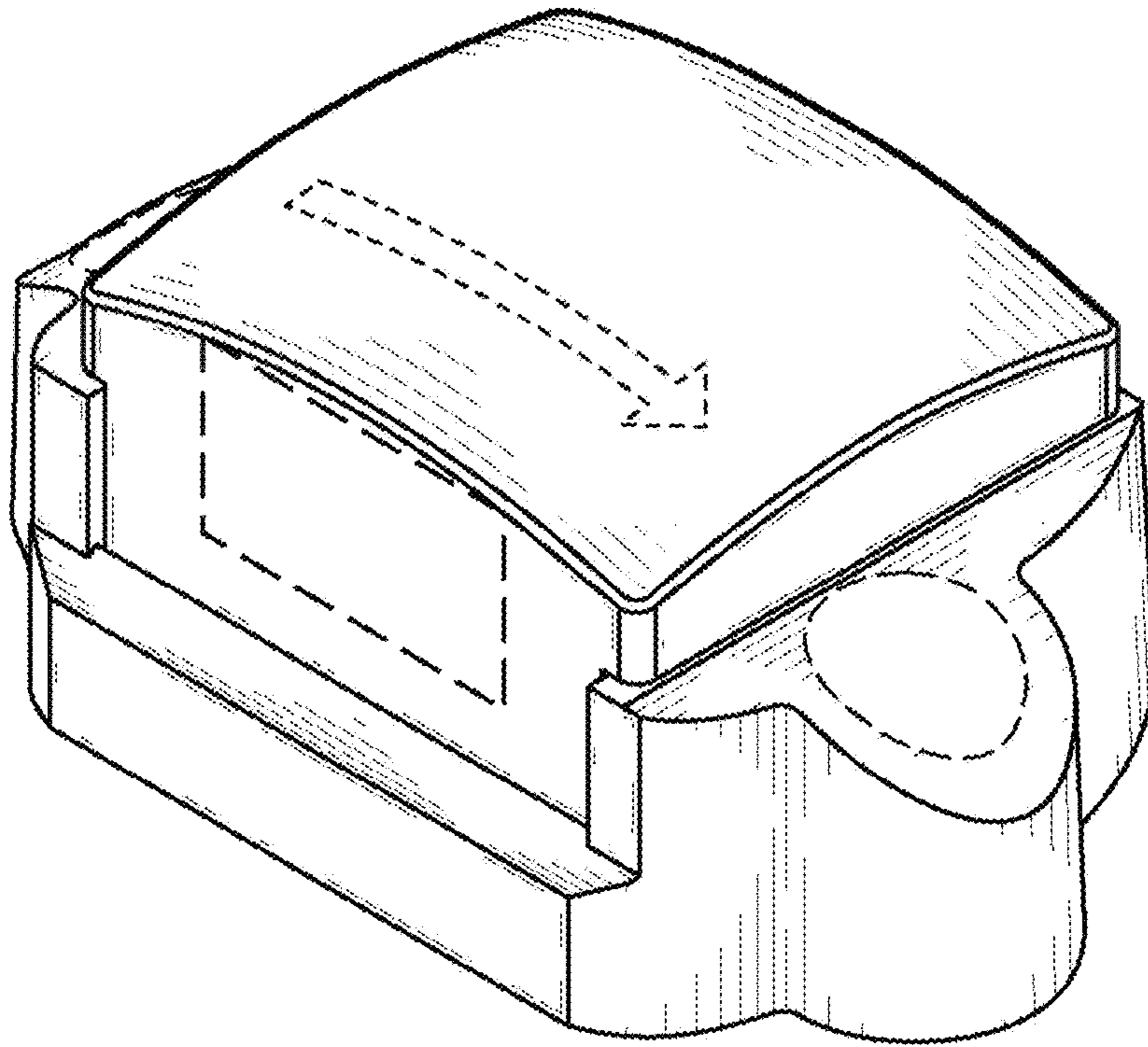


FIG. 1

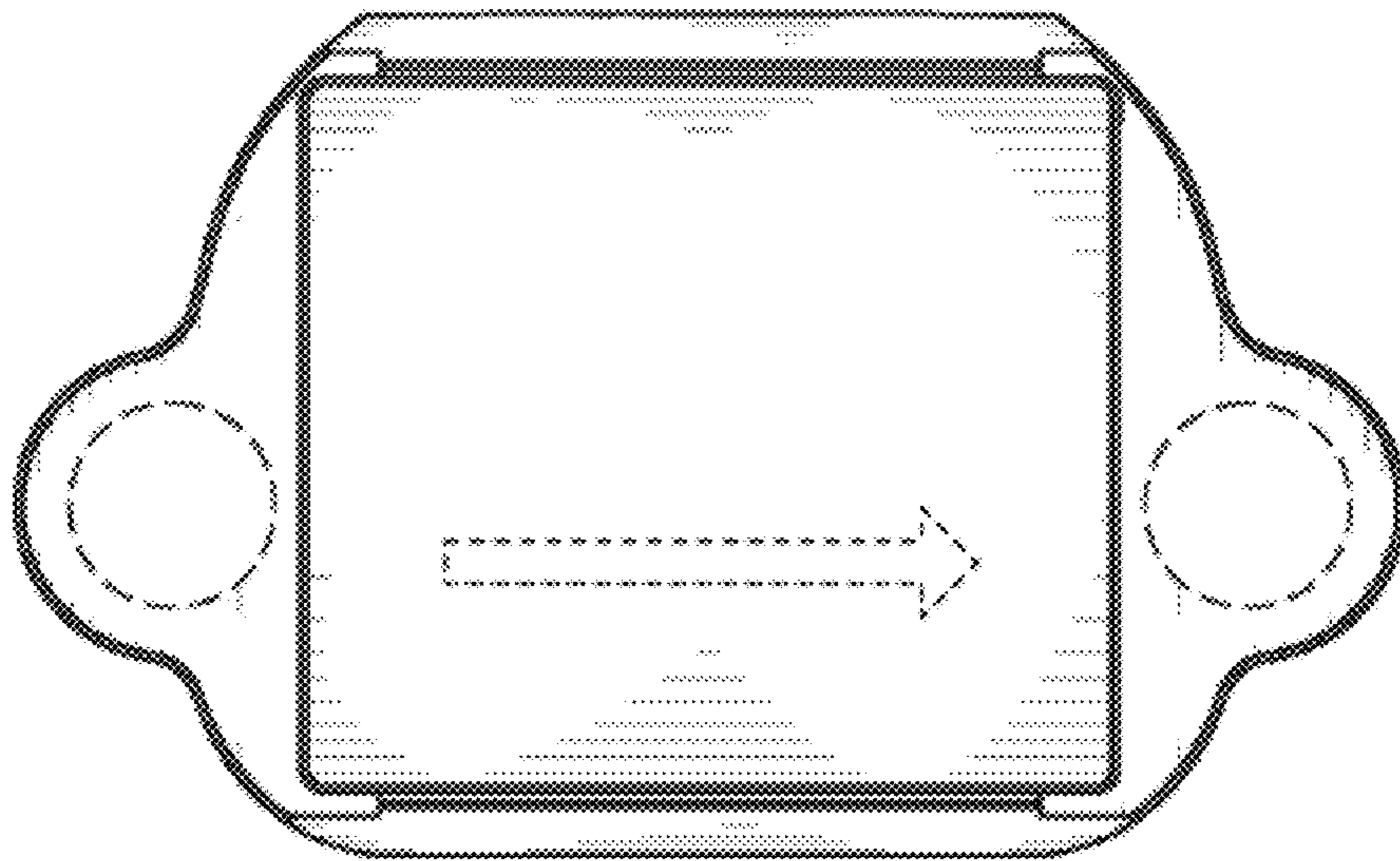


FIG. 2

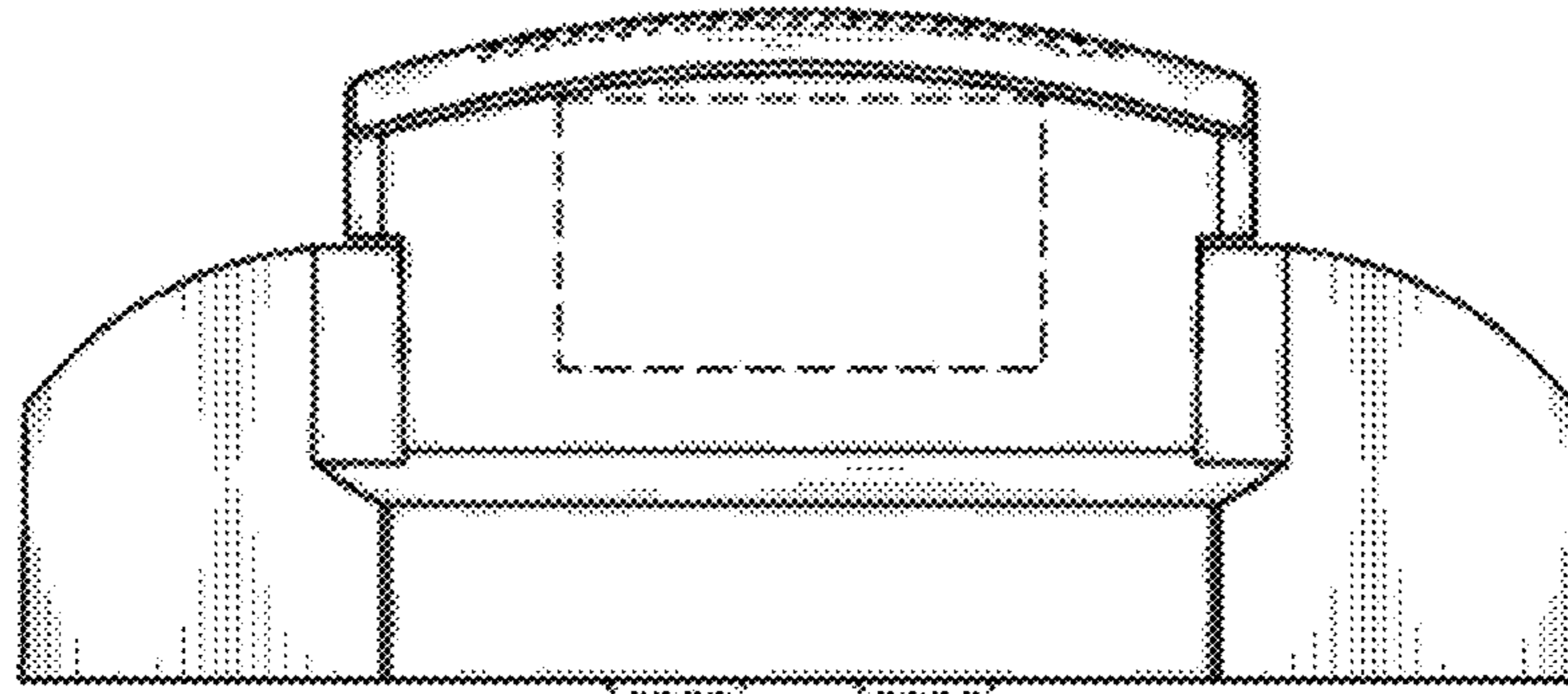


FIG. 3

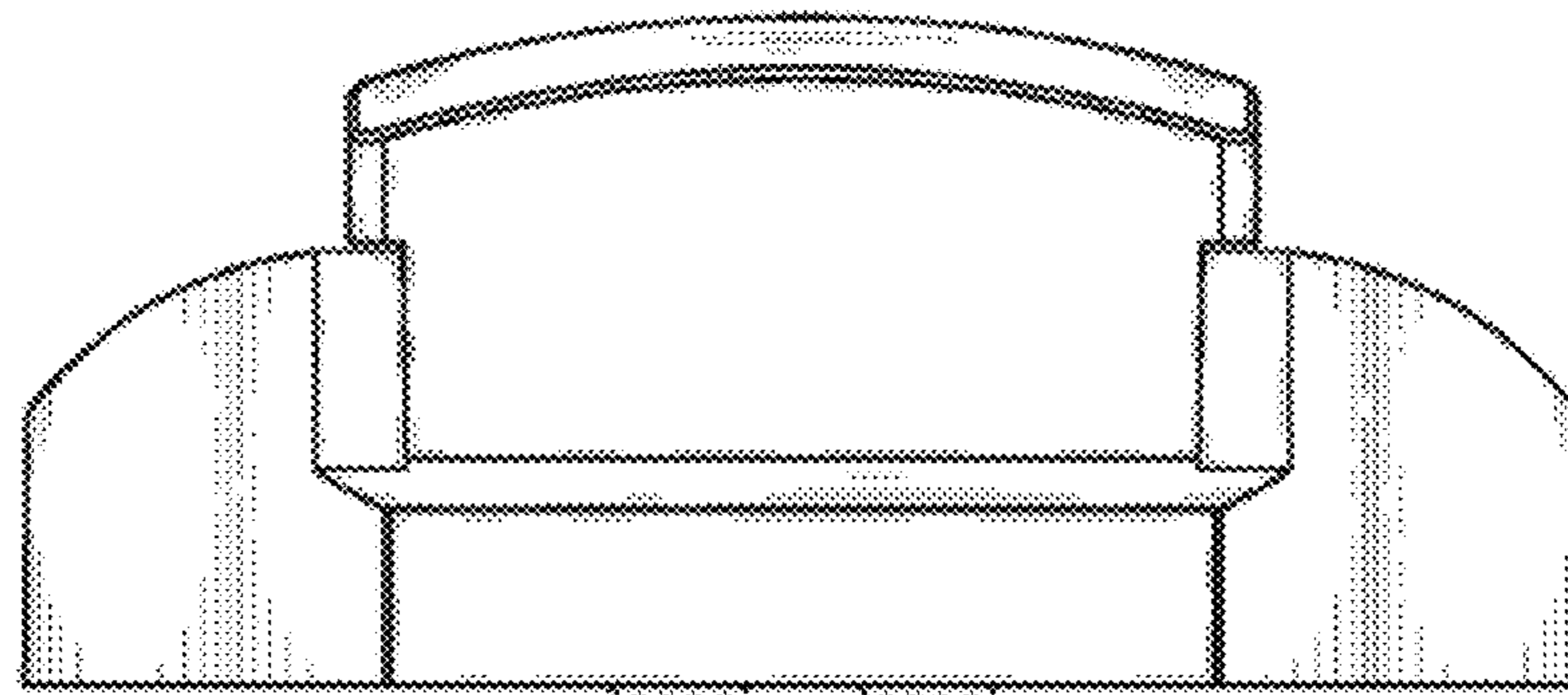


FIG. 4

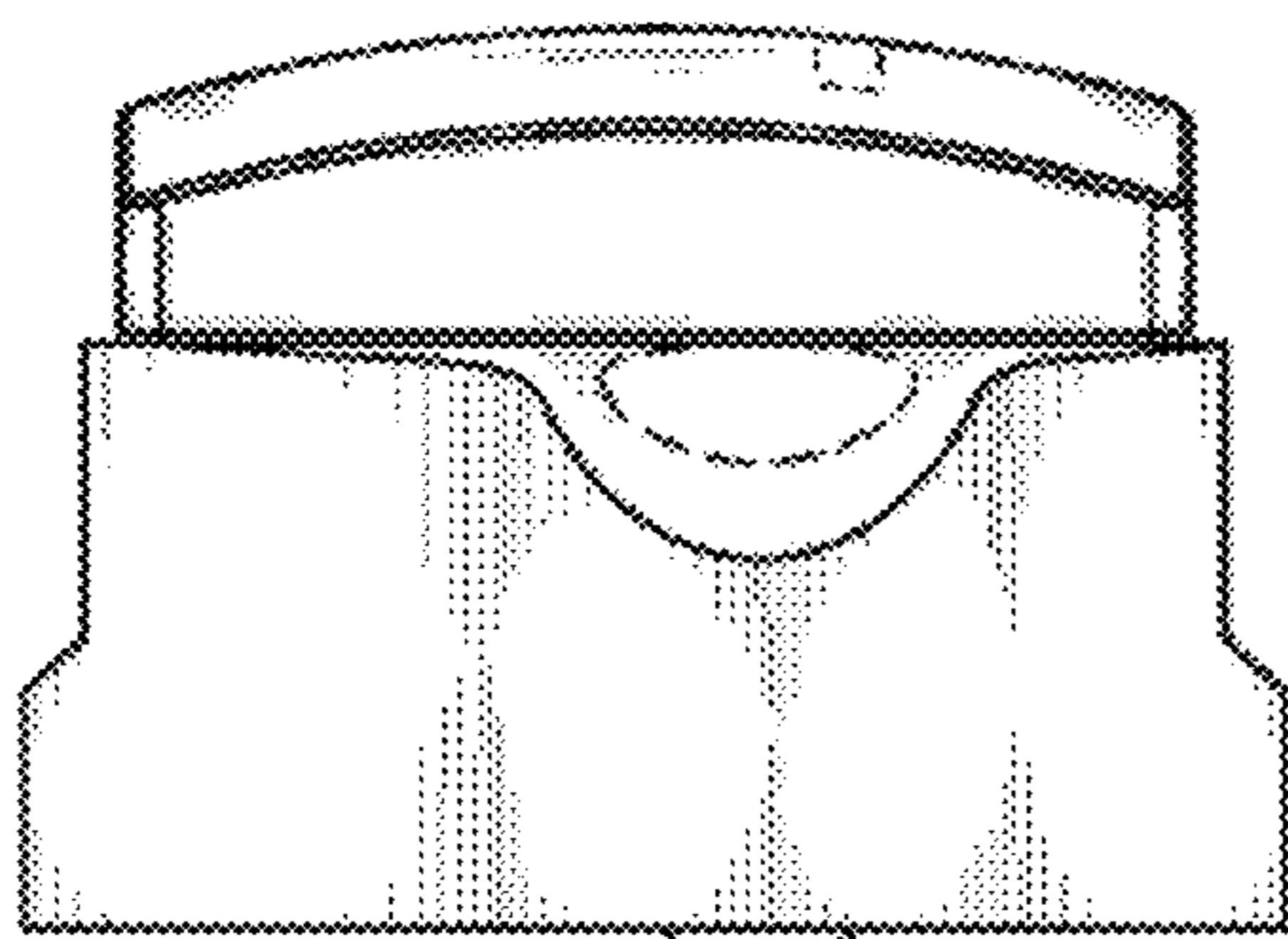


FIG. 5

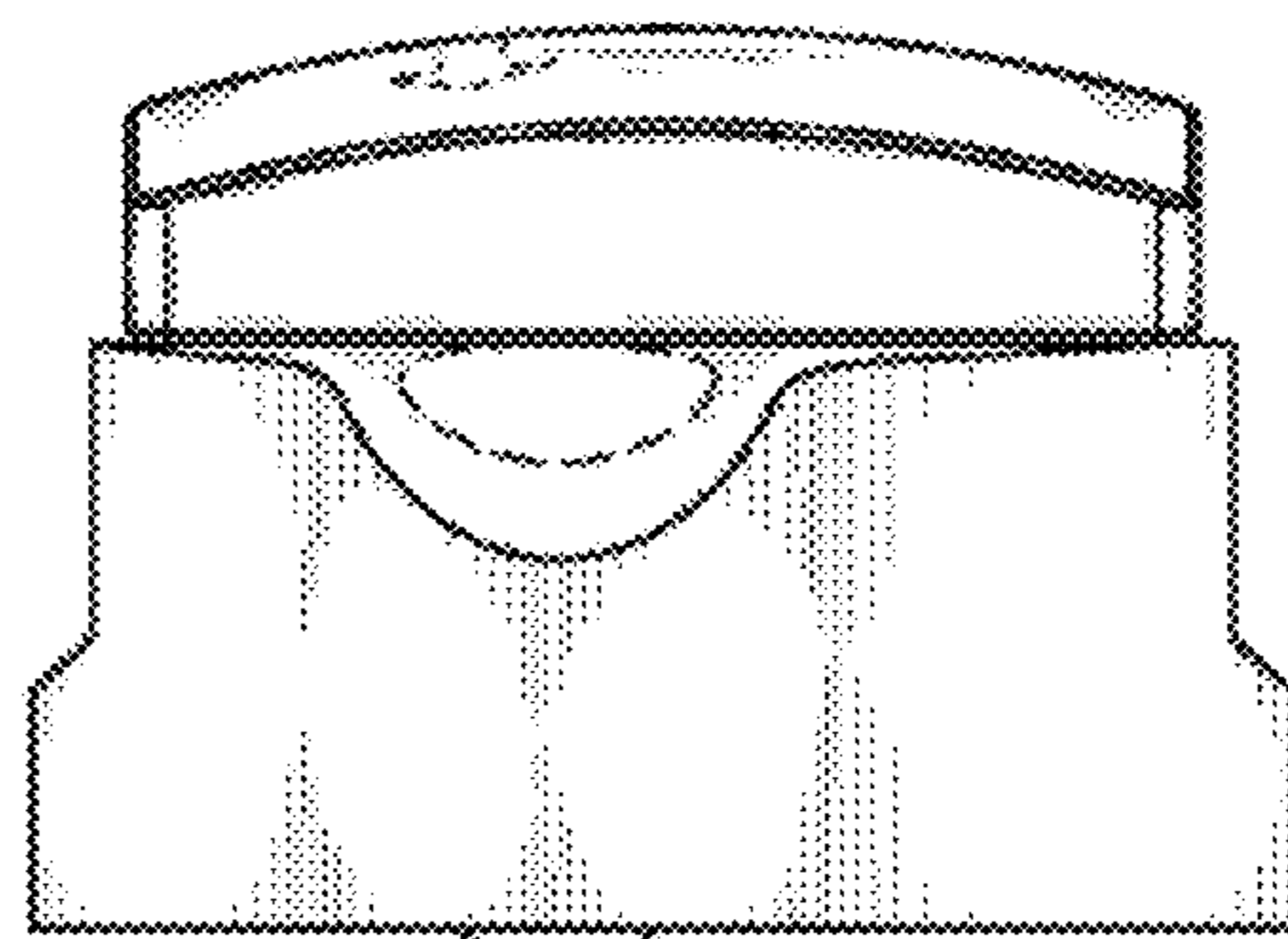


FIG. 6

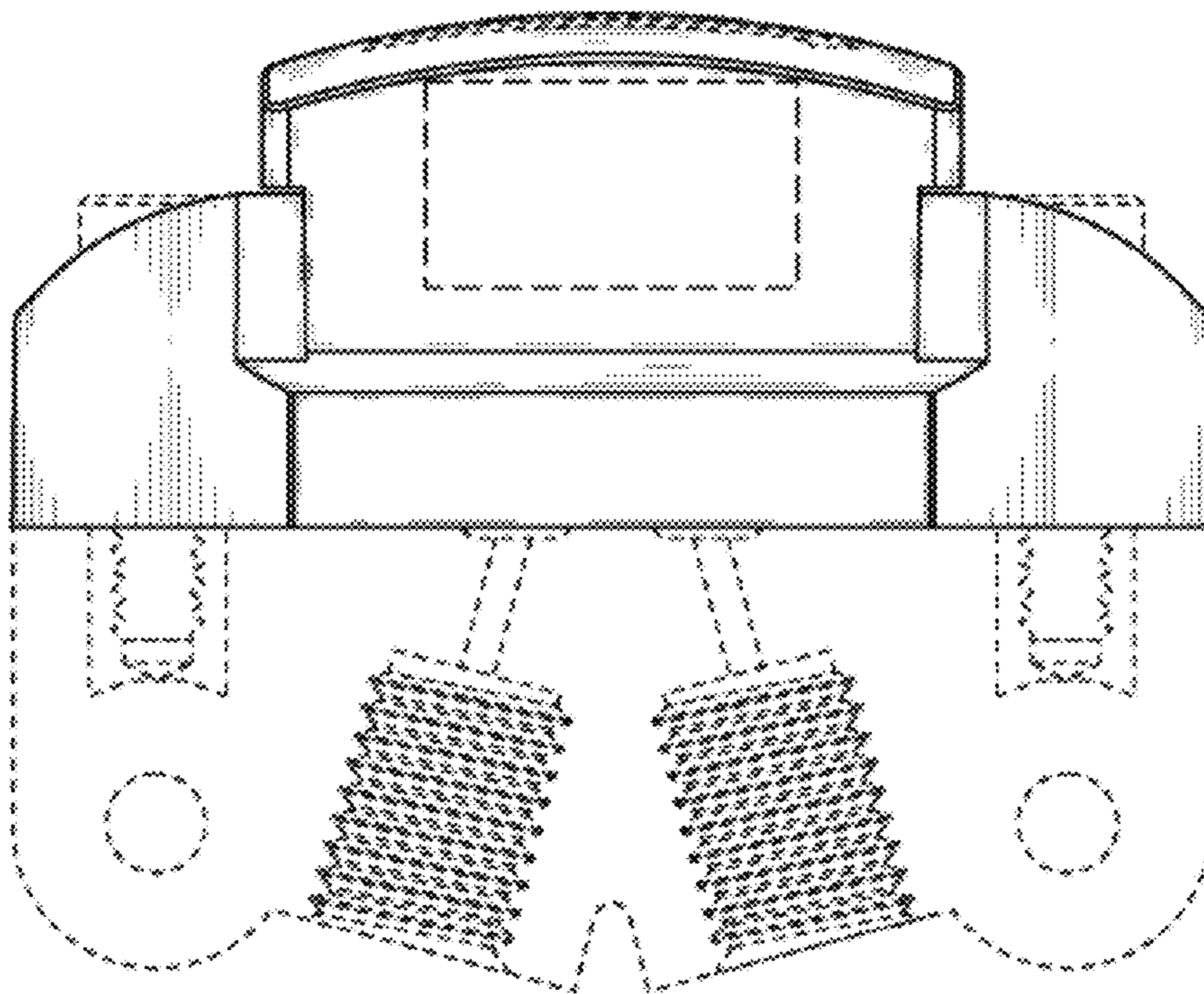


FIG. 7