



US00D956826S

(12) **United States Design Patent** (10) **Patent No.:** **US D956,826 S**
Costle et al. (45) **Date of Patent:** **** Jul. 5, 2022**

(54) **FLAT TIRE REPAIR KIT**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **ILLINOIS TOOL WORKS INC.**,
Glenview, IL (US)

EP 2 058 112 A1 5/2009

(72) Inventors: **Carey Christopher Costle**, Tucson, AZ
(US); **Stephen Edward Richey**,
Greenville, SC (US)

OTHER PUBLICATIONS

(73) Assignee: **ILLINOIS TOOL WORKS INC.**,
Glenview, IL (US)

Slime Store, Slime 50122 Flat Tire Puncture Emergency Kit,
Includes Sealant and Tire Inflator Pump, (date first available Jun. 20,
2017), Amazon.com, URL:<<https://www.amazon.com/Slime-50122-Flat-Tire-Repair/dp/B0732BRRHZ>> (Year: 2017).*

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

Primary Examiner — Calvin E Vansant
Assistant Examiner — Mark T. Philipps

(21) Appl. No.: **29/797,351**

(74) *Attorney, Agent, or Firm* — Pauley Erickson &
Swanson

(22) Filed: **Jun. 30, 2021**

(51) **LOC (13) Cl.** **15-02**

(57) **CLAIM**

(52) **U.S. Cl.**
USPC **D15/7**

The ornamental design for a flat tire repair kit, as shown and
described.

(58) **Field of Classification Search**
USPC D14/163, 165, 172, 203.3, 203.6, 497,
D14/499, 509, 510; D24/168, 186;
D15/7-9; D13/107, 109, 110, 111, 184
CPC F04B 53/14; F04B 53/92; F04B 33/00;
F04B 33/005; F04B 1/005; F04B 35/00;
F04B 35/06; F04B 35/002; F04B 35/86;
F04B 17/03; F04B 17/06; F04B 33/02;
F04B 41/00; F04B 41/02; F04B 41/04;
F04B 41/06; F04D 13/06; F04D 29/22;
F04D 29/046; F04D 29/2266; F16K
11/048; F16K 15/20; F16K 31/602
See application file for complete search history.

DESCRIPTION

FIG. 1 is a front perspective view of the flat tire repair kit,
according to the invention;
FIG. 2 is a front view of the flat tire repair kit shown in FIG.
1;
FIG. 3 is a rear view of the flat tire repair kit shown in FIG.
1;
FIG. 4 is a top view of the flat tire repair kit shown in FIG.
1;
FIG. 5 is a bottom view of the flat tire repair kit shown in
FIG. 1;
FIG. 6 is a side view of the flat tire repair kit shown in FIG.
1;
FIG. 7 is a side view, opposite the side view shown in FIG.
6, of the flat tire repair kit shown in FIG. 1; and,
FIG. 8 is a front perspective view, opposite the view shown
in FIG. 1, of the flat tire repair kit.
The broken lines depict portions of the flat tire repair kit that
form no part of the claimed design.

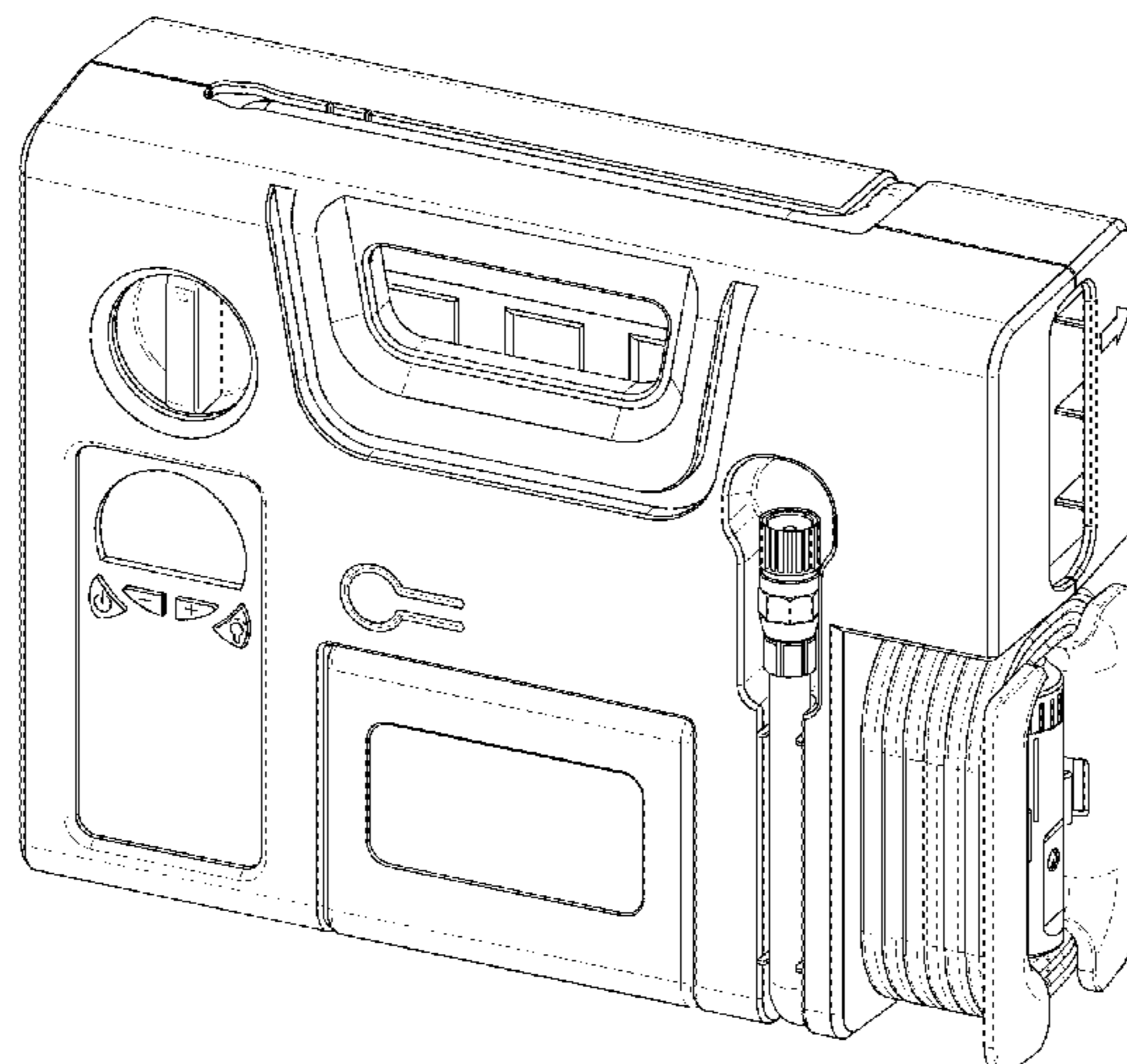
(56) **References Cited**

U.S. PATENT DOCUMENTS

D499,426 S * 12/2004 Chou D15/7
D582,945 S * 12/2008 Chou D15/9
D627,795 S * 11/2010 Eckhardt D15/9
D629,424 S * 12/2010 Eckhardt D15/9
D644,252 S * 8/2011 Kojima D15/9
D657,801 S * 4/2012 Eckhardt D15/9

(Continued)

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

| | | | | | | | | |
|-------------------|---------|---------------|-------|-------------|--|--|--|--------|
| 8,146,622 B2 * | 4/2012 | Guan | ..... | B60C 29/062 | | | | |
| | | | | | | | | 141/38 |
| D665,167 S | 8/2012 | Haener et al. | | | | | | |
| D665,427 S * | 8/2012 | Inskeep | ..... | D15/9 | | | | |
| D668,685 S | 10/2012 | Haener | | | | | | |
| D670,313 S * | 11/2012 | Ohm | ..... | D15/7 | | | | |
| D672,367 S * | 12/2012 | Stansbury | ..... | D15/7 | | | | |
| D672,368 S * | 12/2012 | Wong | ..... | D15/9 | | | | |
| D678,351 S * | 3/2013 | Wong | ..... | D15/9 | | | | |
| D701,887 S | 4/2014 | Haener | | | | | | |
| D703,241 S * | 4/2014 | Eckhardt | ..... | D15/9 | | | | |
| D722,618 S * | 2/2015 | Wong | ..... | D15/9 | | | | |
| D723,588 S * | 3/2015 | Wang | ..... | D15/9 | | | | |
| 8,978,716 B2 * | 3/2015 | Chou | ..... | B60S 5/043 | | | | |
| | | | | | | | | 141/38 |
| D727,972 S * | 4/2015 | Jhou | ..... | D15/9 | | | | |
| D727,973 S * | 4/2015 | Jhou | ..... | D15/9 | | | | |
| 9,027,608 B2 * | 5/2015 | Chou | ..... | B29C 73/166 | | | | |
| | | | | | | | | 141/38 |
| D734,367 S * | 7/2015 | Jhou | ..... | D15/9 | | | | |
| D737,864 S * | 9/2015 | Jhou | ..... | D15/9 | | | | |
| D751,120 S * | 3/2016 | Spindler | ..... | D15/9 | | | | |
| D751,121 S * | 3/2016 | Spindler | ..... | D15/9 | | | | |
| D754,209 S * | 4/2016 | Chou | ..... | D15/7 | | | | |
| 9,302,654 B2 * | 4/2016 | Spindler | ..... | B60S 5/04 | | | | |
| D806,133 S | 12/2017 | Costle et al. | | | | | | |
| 9,868,420 B2 * | 1/2018 | Chou | ..... | F04B 35/04 | | | | |
| 9,879,665 B2 * | 1/2018 | Chou | ..... | F04B 35/04 | | | | |
| D814,524 S * | 4/2018 | Costle | ..... | D15/7 | | | | |
| 9,957,966 B2 * | 5/2018 | Chou | ..... | F04D 29/522 | | | | |
| D823,364 S * | 7/2018 | Yoshida | ..... | D15/199 | | | | |
| 10,077,770 B2 * | 9/2018 | Chou | ..... | F04B 53/08 | | | | |
| D866,605 S * | 11/2019 | Chou | ..... | D15/9 | | | | |
| D866,606 S * | 11/2019 | Chou | ..... | D15/9 | | | | |
| D881,238 S * | 4/2020 | Hong | ..... | D15/9 | | | | |
| D881,945 S | 4/2020 | Richey et al. | | | | | | |
| D881,946 S | 4/2020 | Richey et al. | | | | | | |
| D886,874 S * | 6/2020 | Kan | ..... | D15/9 | | | | |
| 2014/0209207 A1 * | 7/2014 | Spindler | ..... | B29C 73/166 | | | | |
| | | | | | | | | 141/38 |
| 2015/0197066 A1 * | 7/2015 | Wong | ..... | B29C 73/166 | | | | |
| | | | | | | | | 141/38 |
| 2016/0288434 A1 * | 10/2016 | Eckhardt | ..... | B60C 29/064 | | | | |
| 2017/0313001 A1 * | 11/2017 | Petrelli | ..... | B29C 73/025 | | | | |
| 2018/0211572 A1 * | 7/2018 | Leuthe | ..... | G09F 3/00 | | | | |
| 2018/0333927 A1 * | 11/2018 | Spindler | ..... | B29C 73/025 | | | | |
| 2018/0333928 A1 * | 11/2018 | Hamatani | ..... | B29C 73/166 | | | | |

* cited by examiner

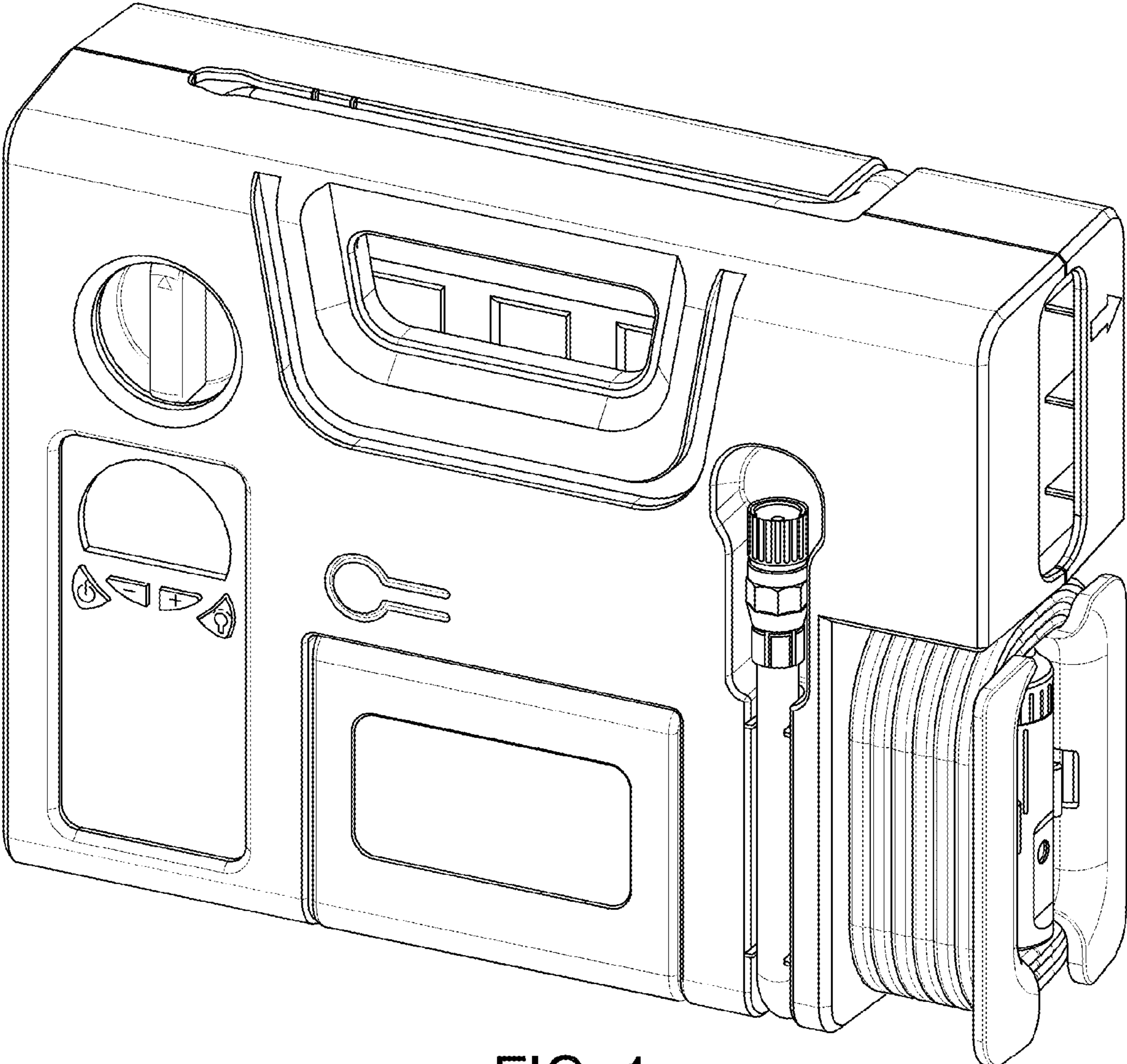


FIG. 1

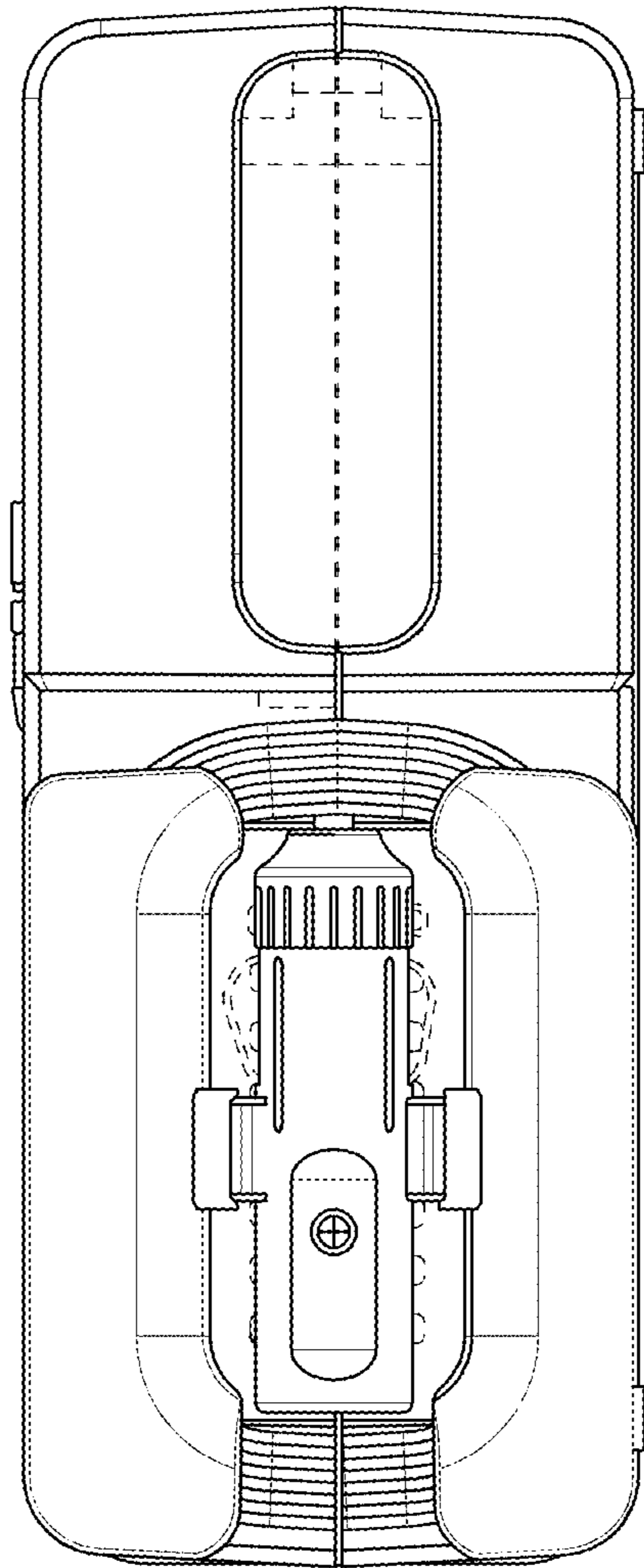


FIG. 2

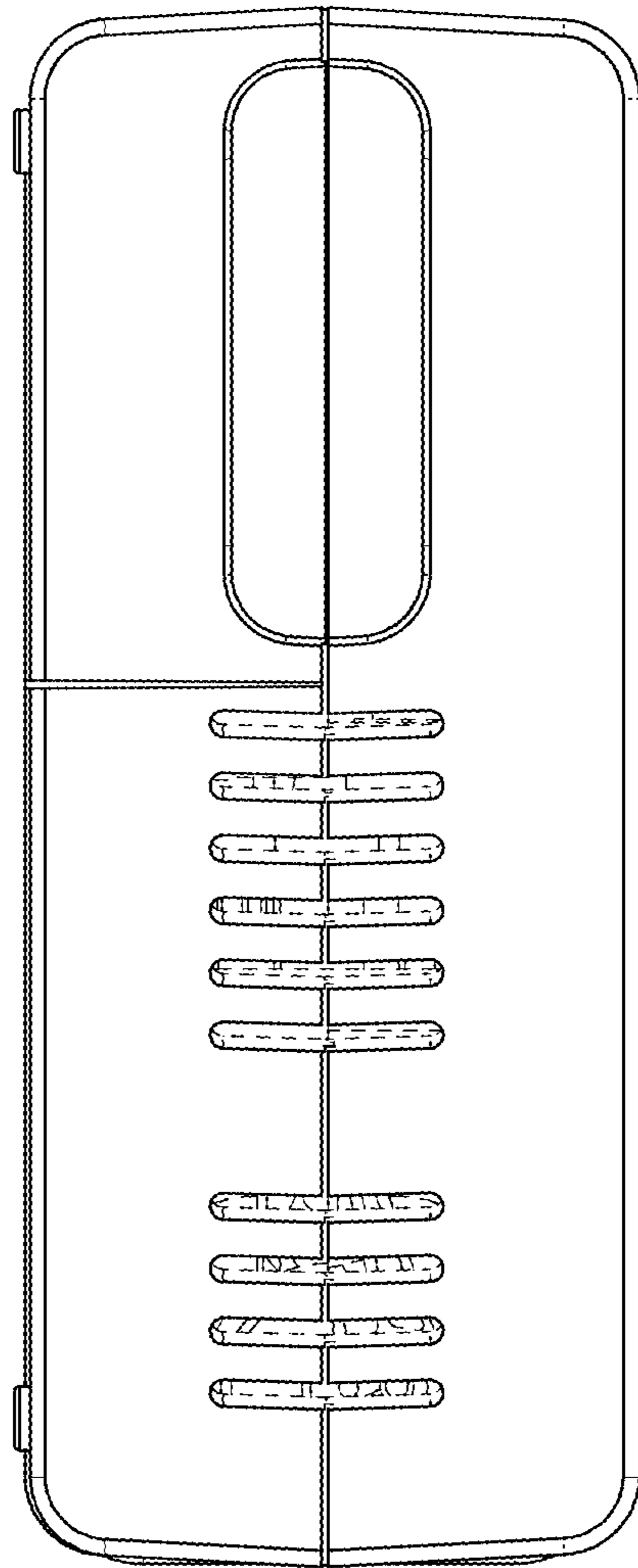


FIG. 3

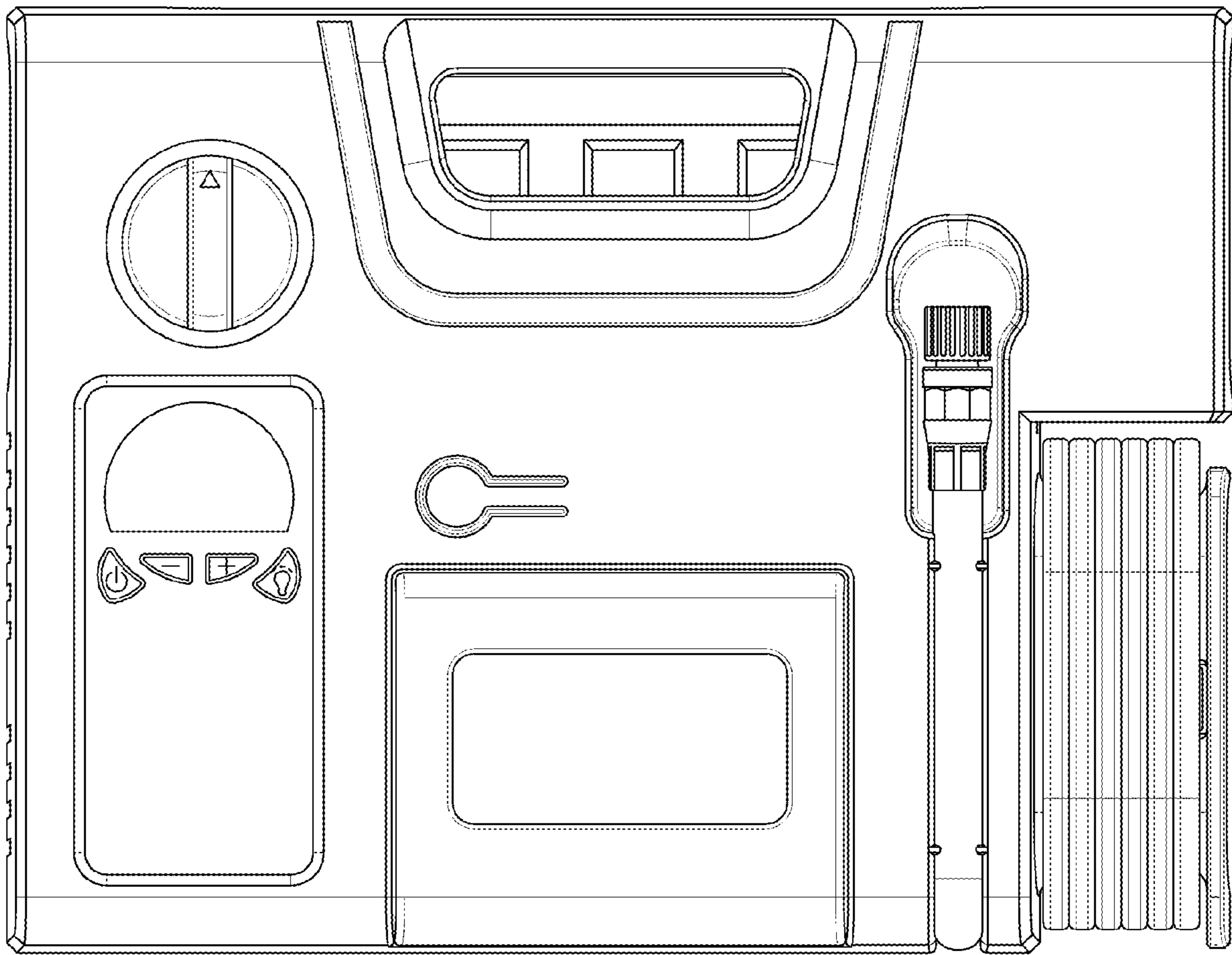


FIG. 4

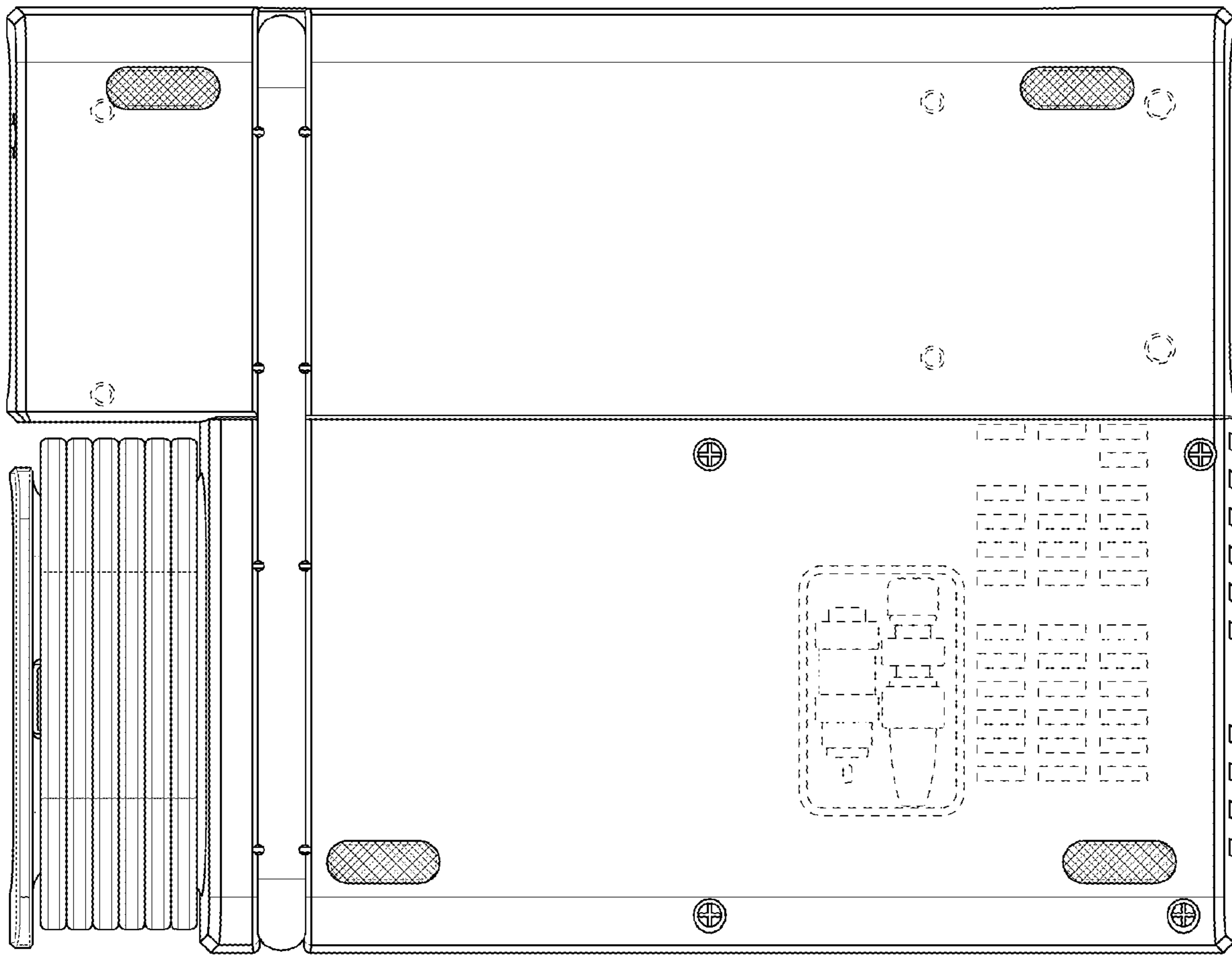


FIG. 5

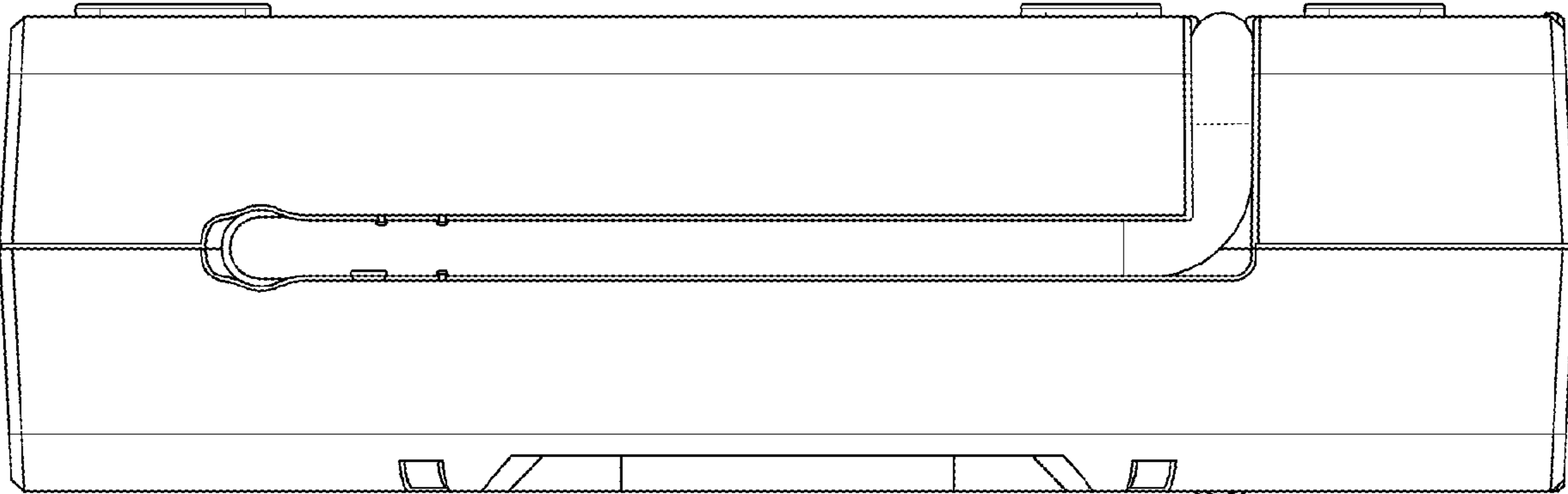


FIG. 6

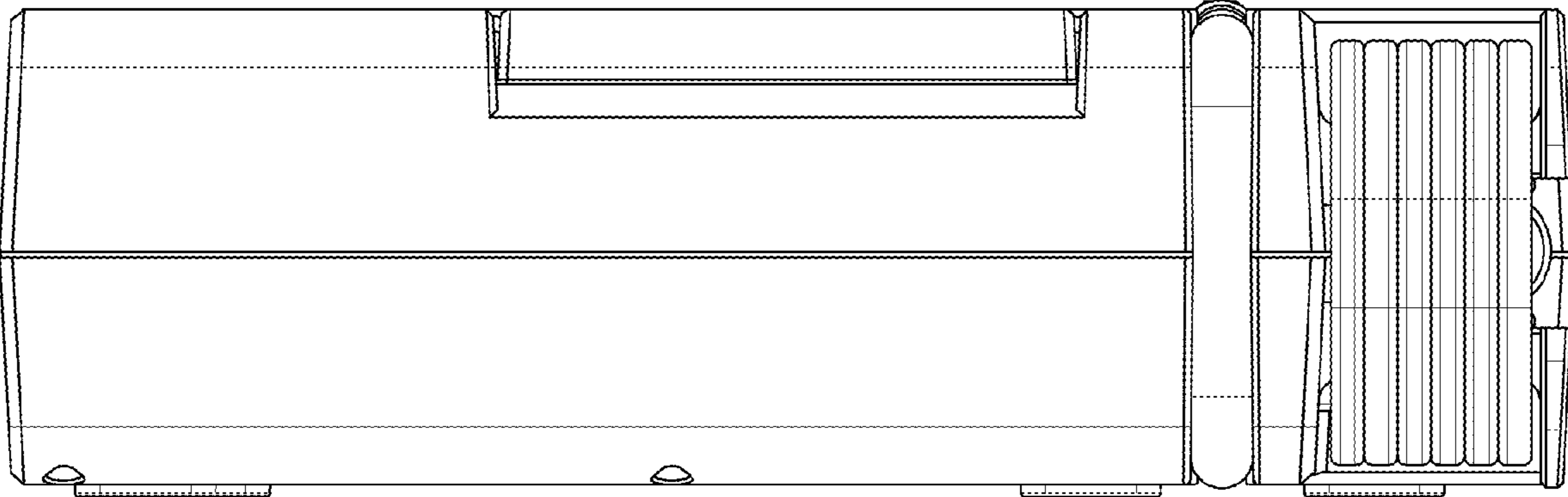


FIG. 7

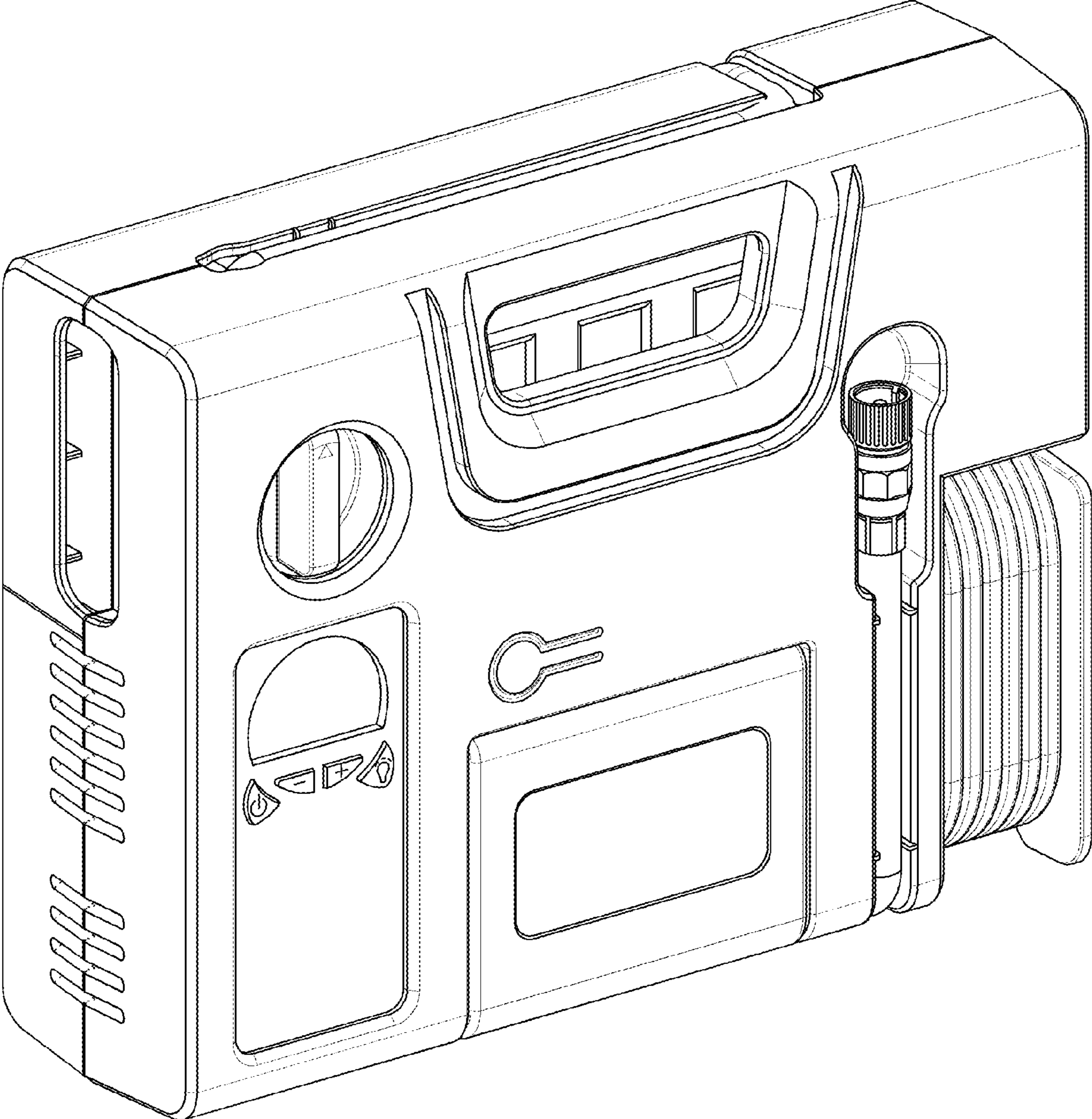


FIG. 8