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(12) **United States Design Patent** (10) **Patent No.:** **US D931,365 S**
Nieda et al. (45) **Date of Patent:** **** Sep. 21, 2021**

(54) **TONER CARTRIDGE**

FOREIGN PATENT DOCUMENTS

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EP 0400557 A2 * 12/1990 G03G 15/0898
RU 00116044 8/2019

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OTHER PUBLICATIONS

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Copiertrader. Link: <https://www.copiertrader.com/genuine-konica-minolta-4053-401-tn310k-black-toner-cartridge-w-ozone-filter.html>. Visited May 8, 2020. Genuine Konica Minolta 4053-401 (TN310K) Black Toner Cartridge w/Ozone Filter. (Year: 2020).*

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

(Continued)

(21) Appl. No.: **29/683,084**

Primary Examiner — Lauren D McVey

(22) Filed: **Mar. 11, 2019**

(74) *Attorney, Agent, or Firm* — Oblon, McClelland, Maier & Neustadt, L.L.P.

(30) **Foreign Application Priority Data**

Dec. 11, 2018 (JP) 2018-026995

(57) **CLAIM**

(51) **LOC (13) Cl.** **16-03**

The ornamental design for a toner cartridge, as shown and described.

(52) **U.S. Cl.**

USPC **D18/43**

(58) **Field of Classification Search**

USPC D18/40-45, 56

CPC G03G 15/0894; G03G 15/0898; G03G

21/1661; G03G 15/0872; G03G 15/0874;

G03G 15/0868; G03G 15/087; G03G

15/0877; G03G 15/0875; G03G 15/0896;

G03G 21/18; G03G 21/1803; G03G

21/1807; G03G 21/1666; G03G 21/1671;

G03G 21/1676; G03G 21/168; G03G

21/1685; G03G 21/169; G03G 21/1695

See application file for complete search history.

DESCRIPTION

FIG. 1 is a front and right side perspective view of a toner cartridge;

FIG. 2 is a partial enlarged front and right side perspective view of the section defined by lines 2-2 and 2'-2' in FIG. 1;

FIG. 3 is a front elevational view thereof;

FIG. 4 is a rear elevational view thereof;

FIG. 5 is a top plan view thereof;

FIG. 6 is a bottom plan view thereof;

FIG. 7 is a left side elevational view thereof;

FIG. 8 is a right side elevational view thereof; and,

FIG. 9 is a front, bottom, and right side enlarged partial perspective view.

The evenly spaced broken lines in the figures illustrate portions of the toner cartridge that form no part of the claimed design. The dot-dash broken lines in the drawings form a boundary between claimed and unclaimed subject matter.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D296,788 S * 7/1988 Schneider D14/430

5,729,795 A * 3/1998 Kavolius G03G 15/0894

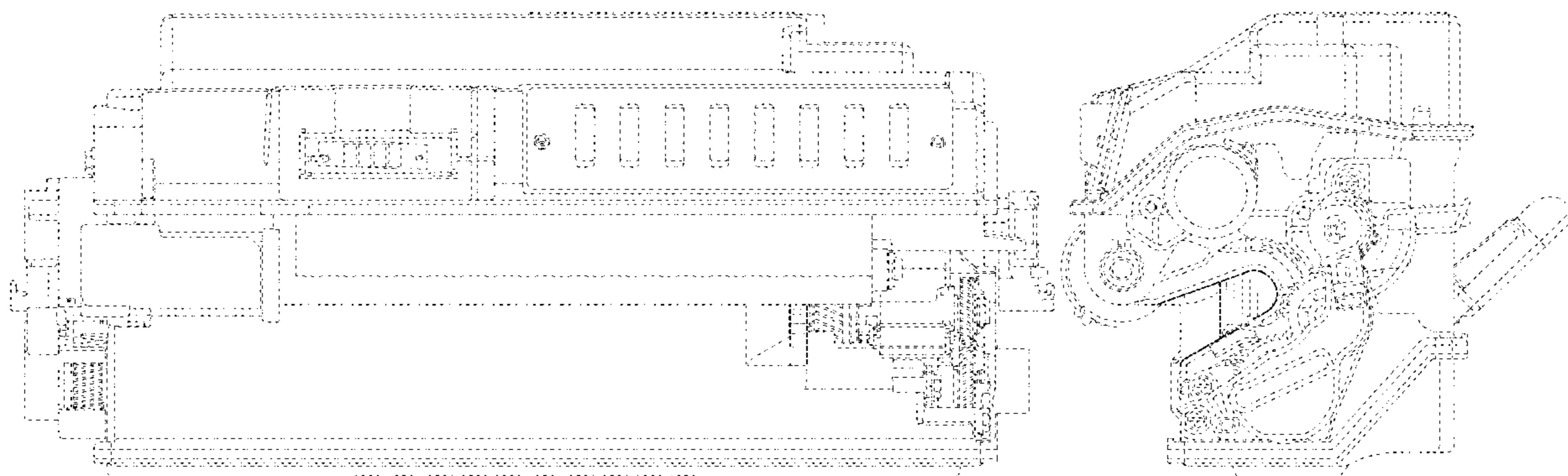
399/109

6,029,031 A * 2/2000 Yokomori G03G 15/0894

399/109

(Continued)

1 Claim, 9 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

6,904,248 B2 * 6/2005 Daniels G03G 15/0844
 399/109
 7,068,954 B1 * 6/2006 Miller G03G 15/0894
 399/111
 7,068,963 B2 * 6/2006 Moore G03G 15/0844
 399/109
 D617,372 S * 6/2010 Victor D18/43
 D653,283 S 1/2012 Eto
 D662,129 S 6/2012 Zeng et al.
 D693,400 S 11/2013 Boettcher et al.
 D709,946 S * 7/2014 Sato D18/43
 D727,411 S 4/2015 Moon et al.
 D754,248 S 4/2016 Jang et al.
 D755,283 S 5/2016 Lee et al.
 D765,164 S 8/2016 Park et al.
 D783,087 S 4/2017 Fukamachi et al.
 9,902,583 B2 * 2/2018 Tanaka B41J 15/04
 D832,340 S 10/2018 Yang et al.
 D833,519 S 11/2018 Yang et al.
 D833,520 S 11/2018 Yang et al.

D849,131 S 5/2019 Shimizu et al.
 10,303,087 B2 * 5/2019 Li G03G 15/0868
 10,514,632 B2 * 12/2019 Perez B25H 1/04
 D879,194 S * 3/2020 Kikuchi D18/43
 10,599,071 B2 * 3/2020 Perez G03G 15/0894
 2009/0003874 A1 1/2009 Silva
 2020/0125006 A1 * 4/2020 Matsuda G03G 15/0889
 2020/0326652 A1 * 10/2020 Takagi G03G 15/0867

OTHER PUBLICATIONS

New egg Business. Link: <https://www.neweggbusiness.com/product/product.aspx?item=9siv1wn8sc9282>. Visited May 8, 2020. Waste Toner Container for Toshiba. (Year: 2020).*
 Office Action dated May 29, 2020 in co-pending U.S. Appl. No. 29/682,546 24 pages
 Dell, "Dell Printer Drum Kit—Imaging Drum Unit," Retrieved from Internet [URL: <https://www.dell.com/en-uk/work/shop/dell-printer-drum-kit-imaging-drum-unit/apd/724-10518/printers-ink-toner>], 2020, 3 pages.

* cited by examiner

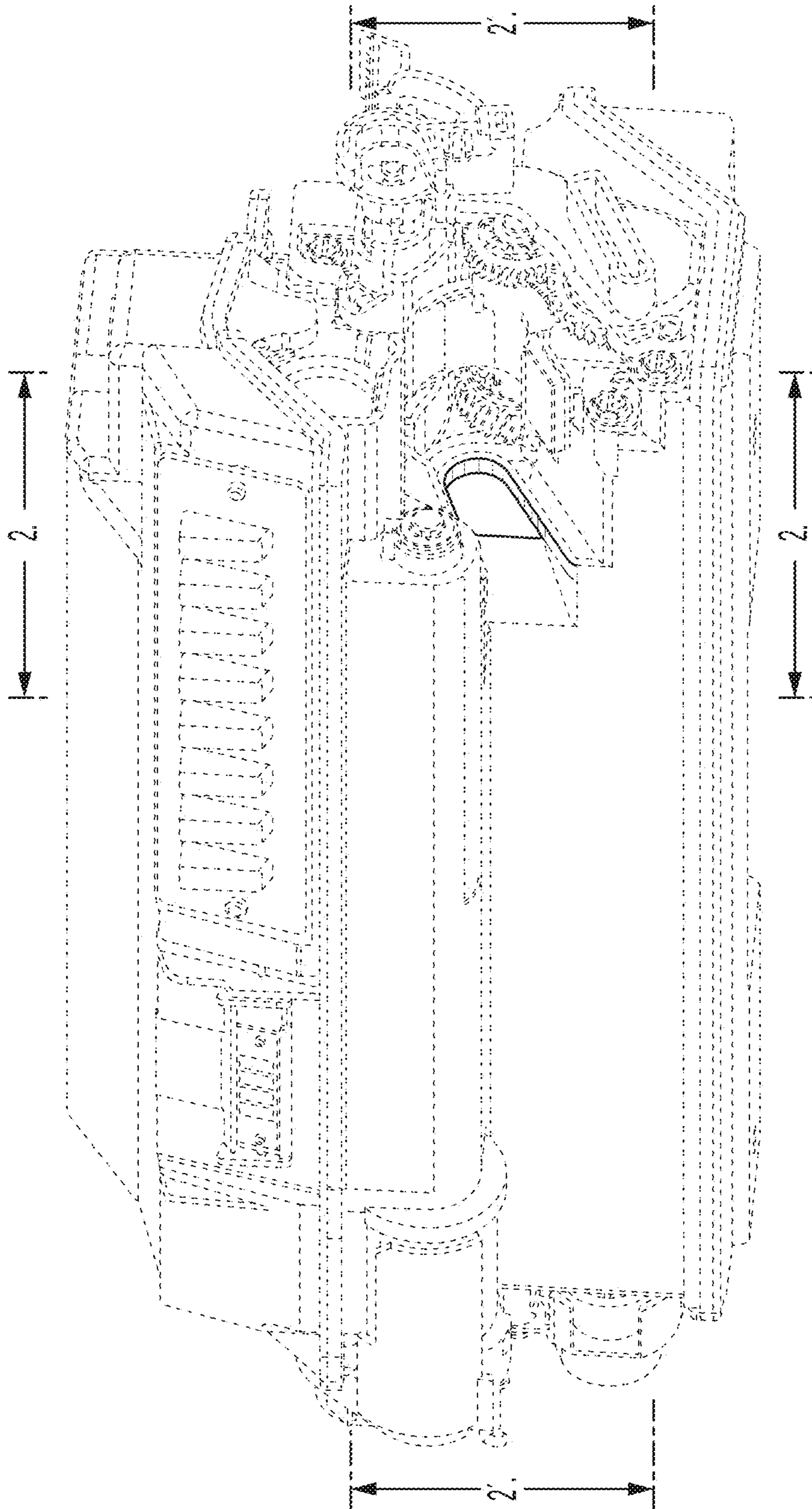


FIG. 1

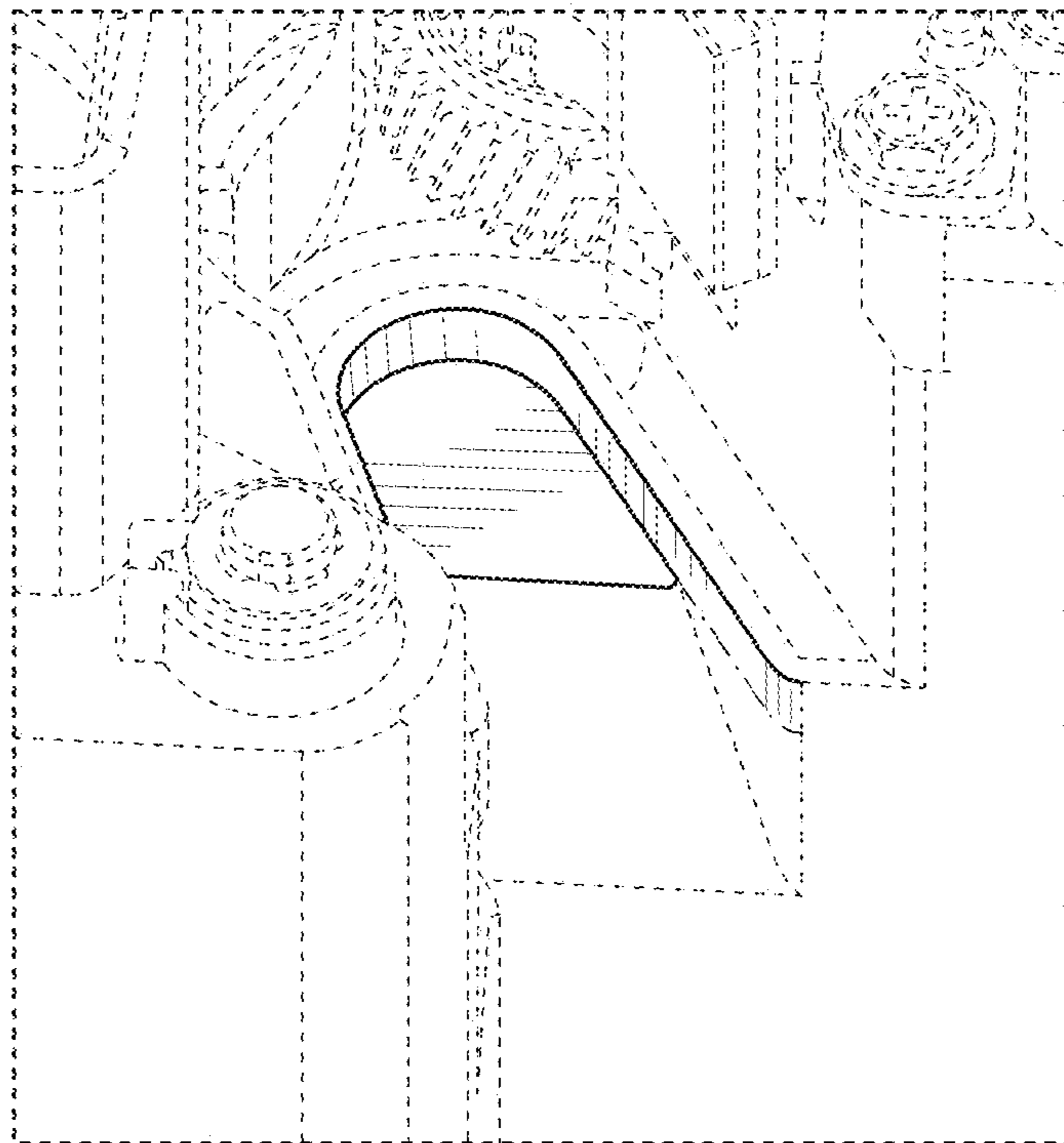


FIG. 2

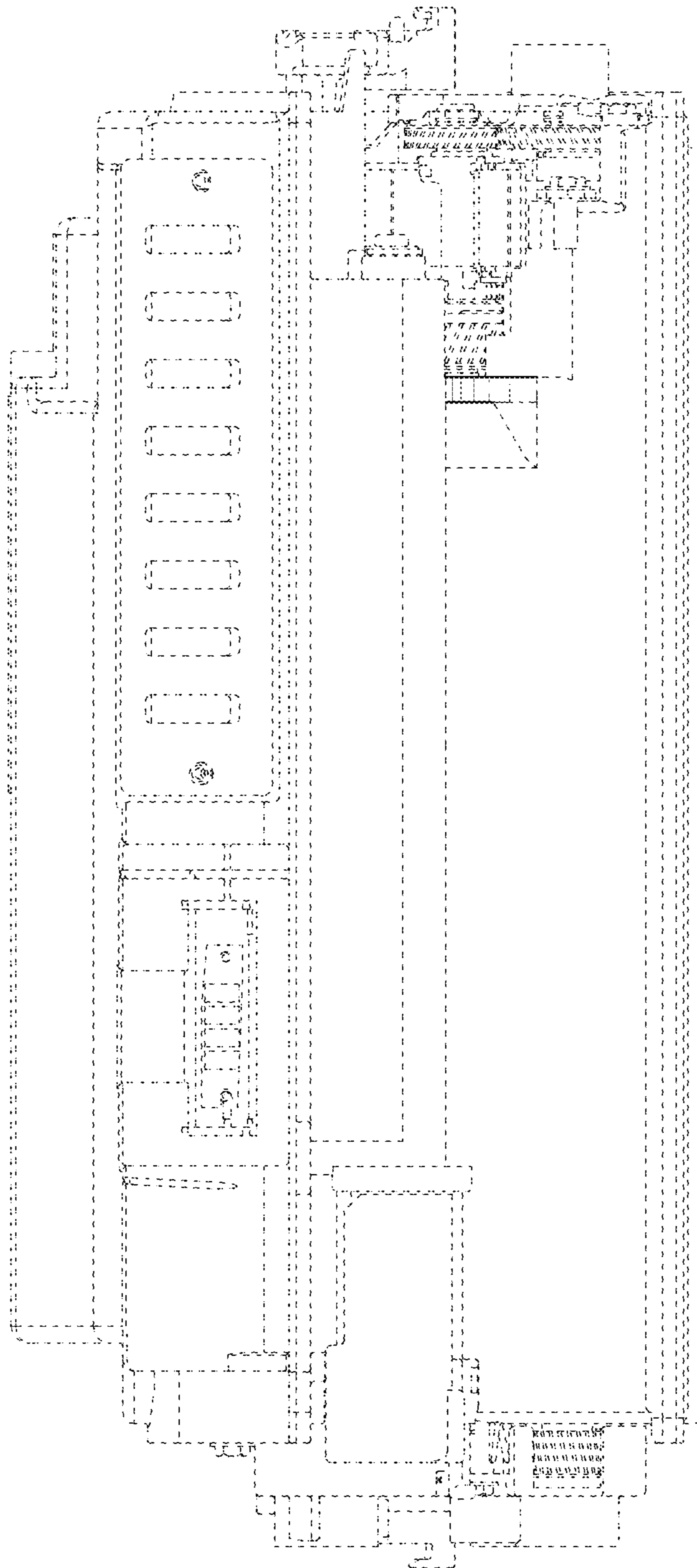


FIG. 3

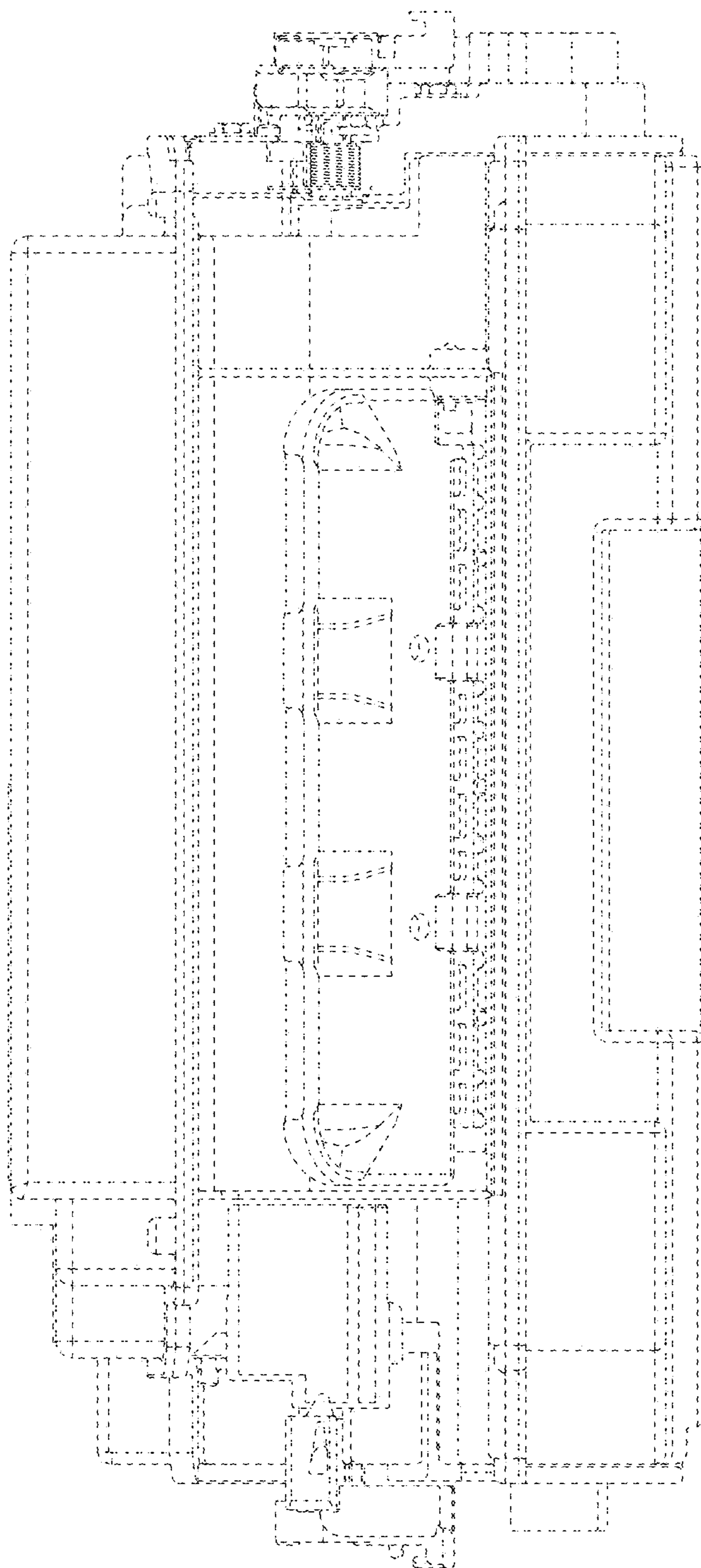


FIG. 4

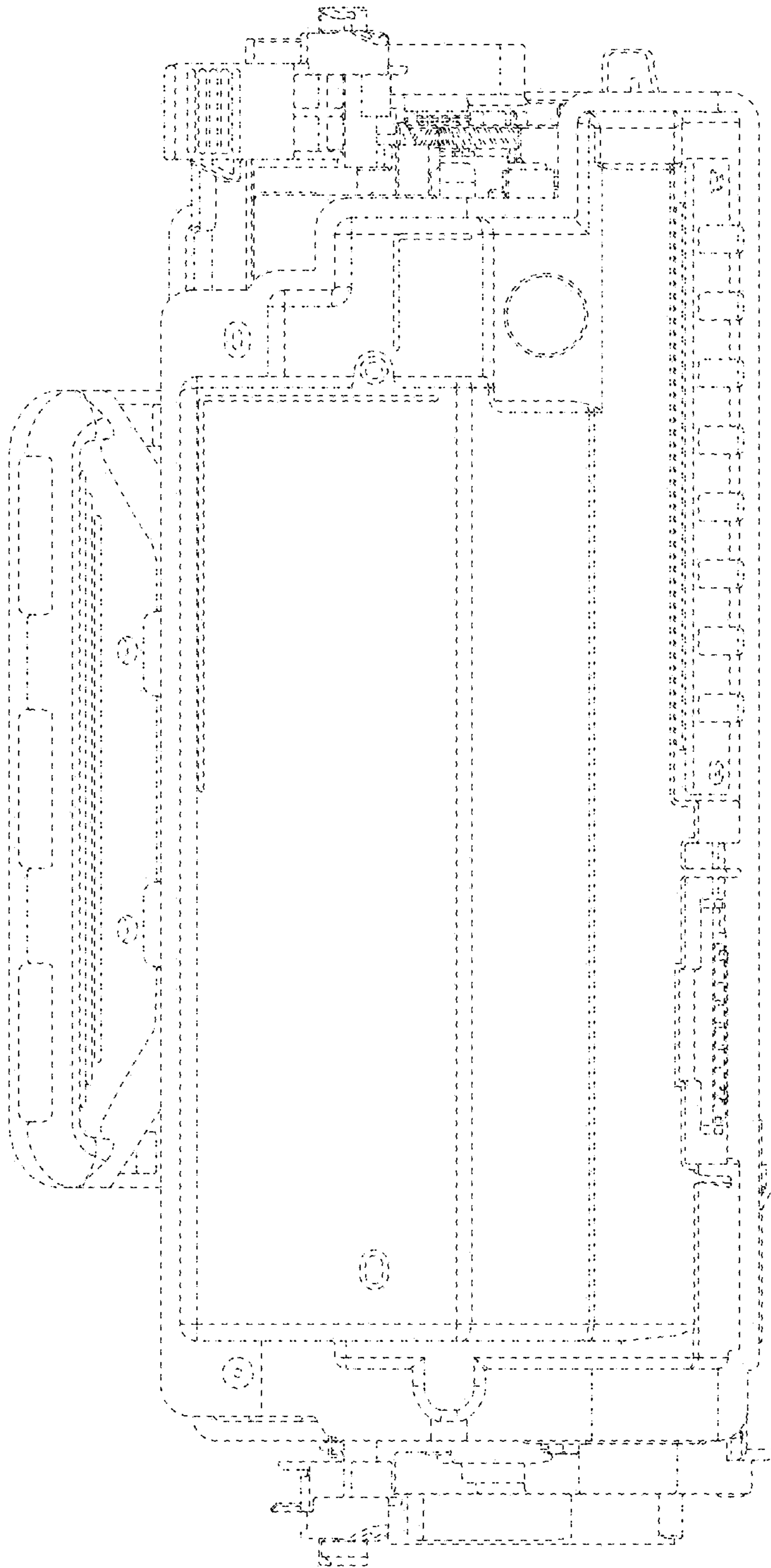


FIG. 5

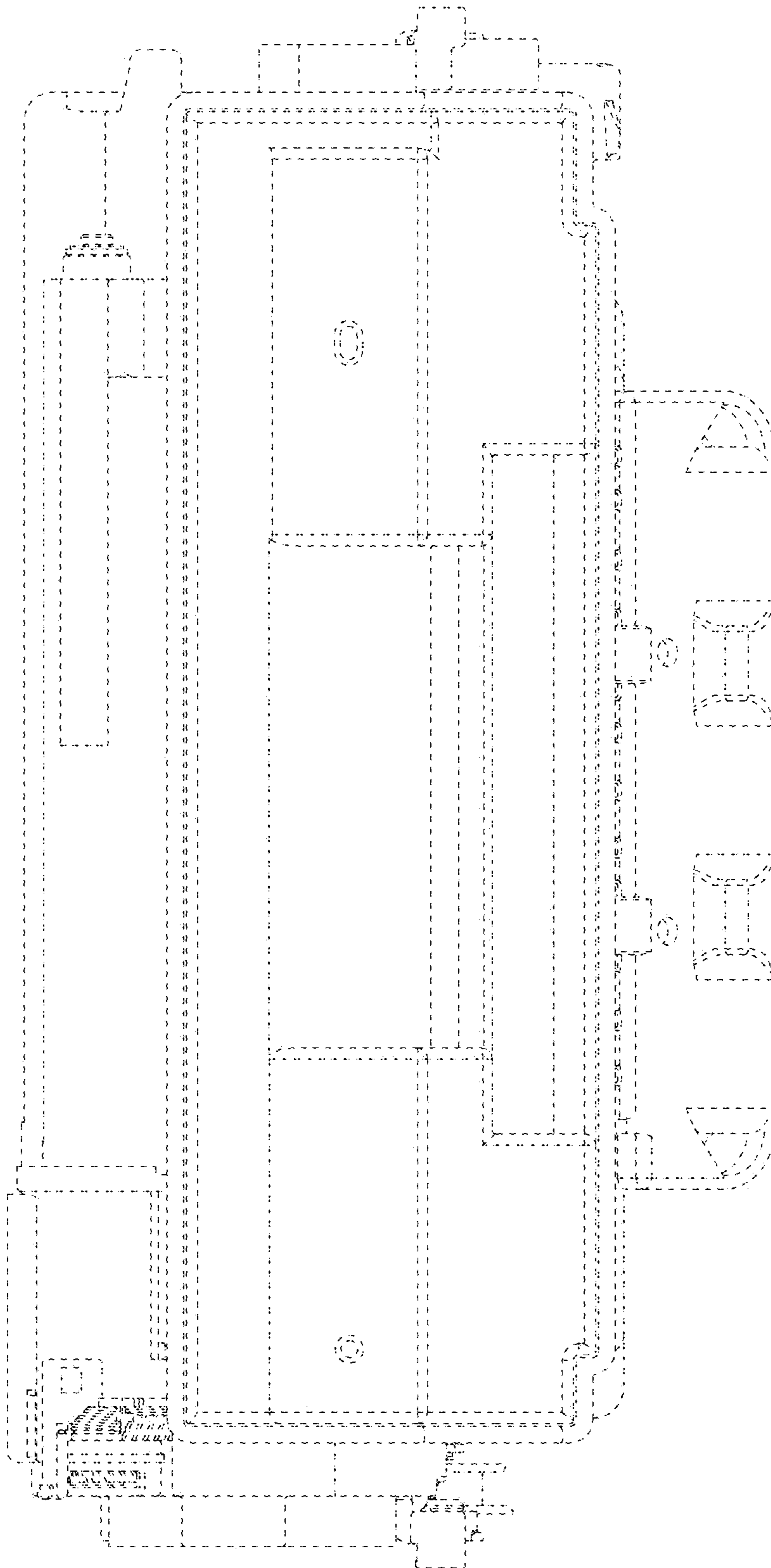


FIG. 6

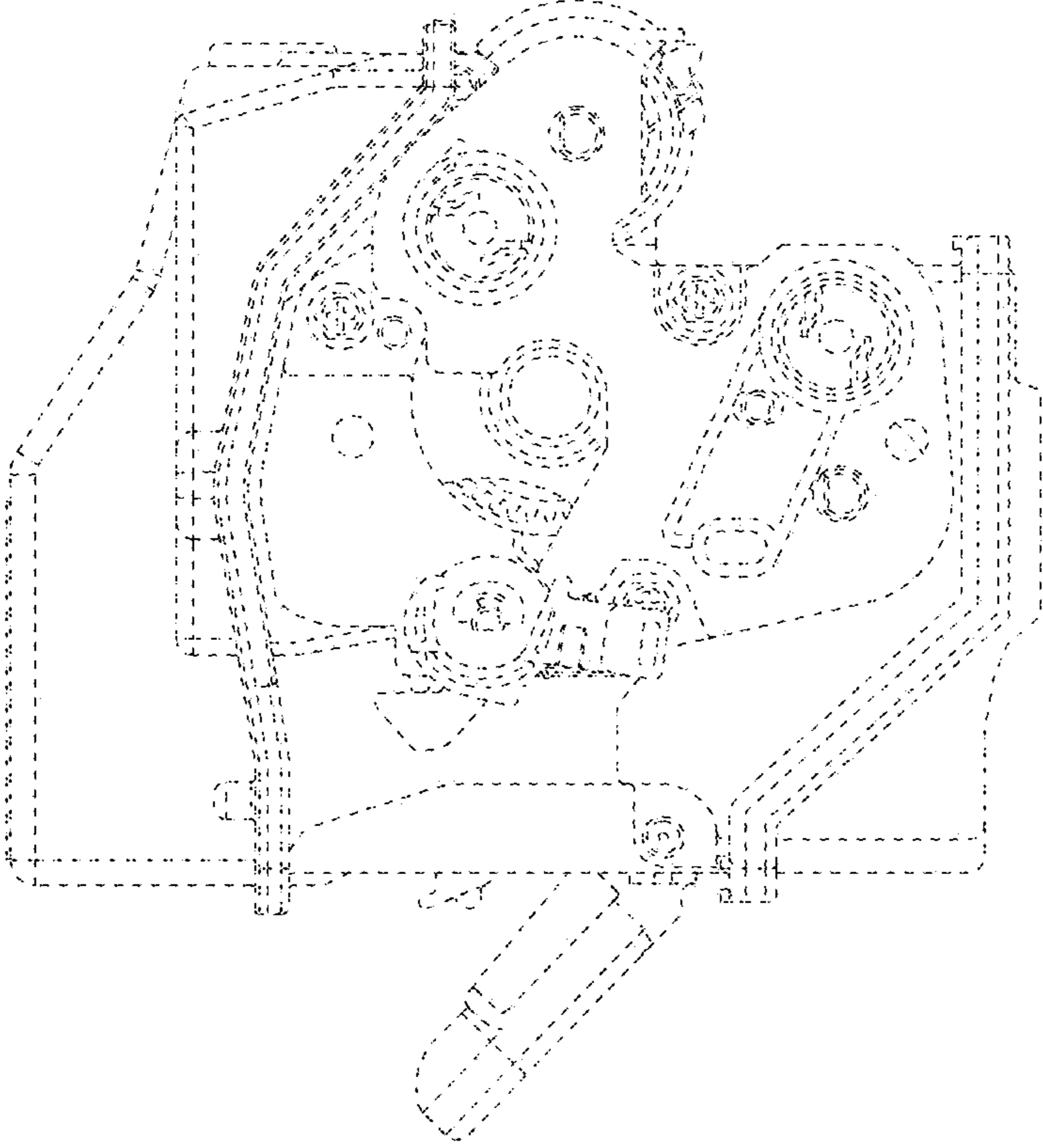


FIG. 7

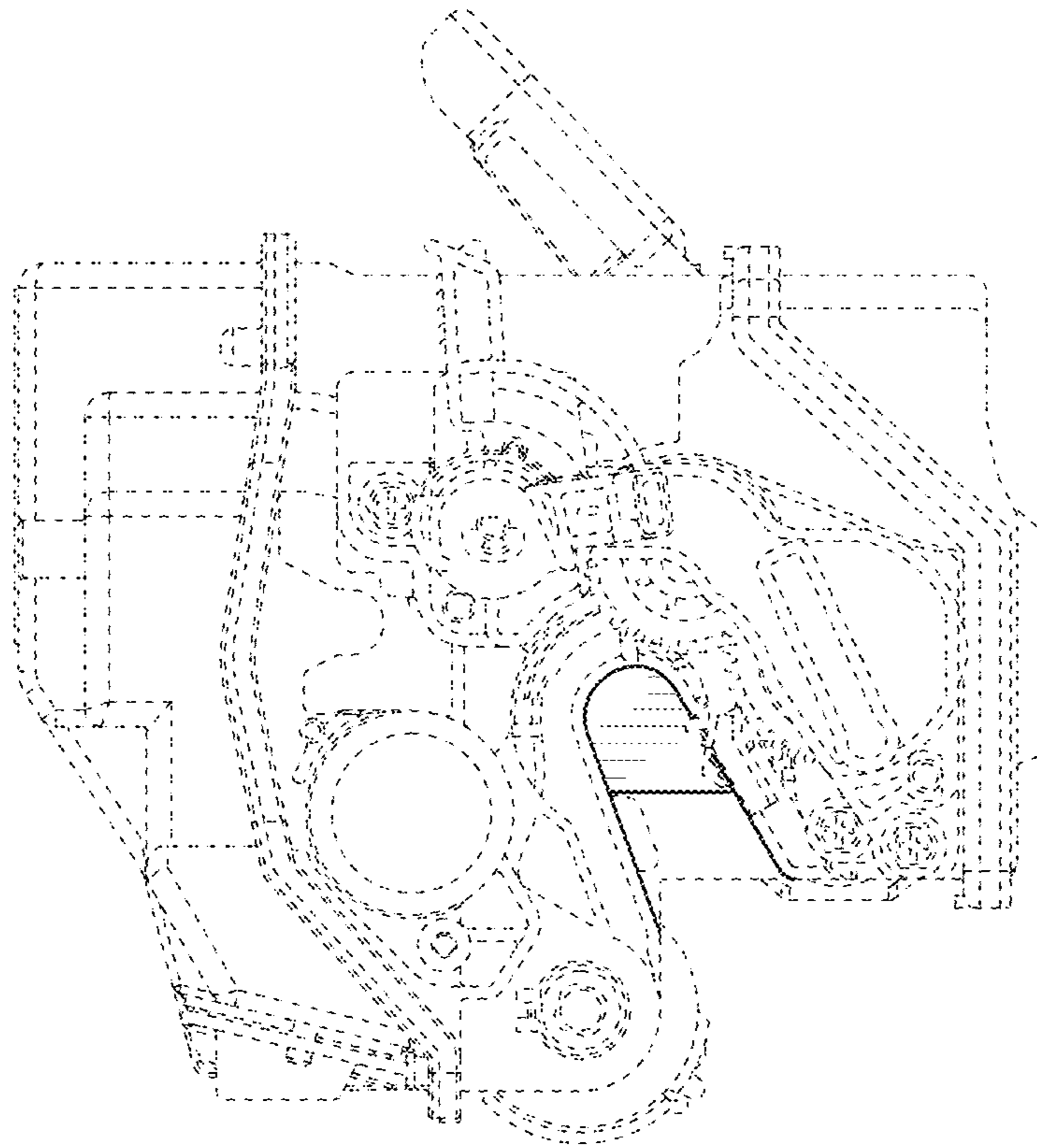


FIG. 8

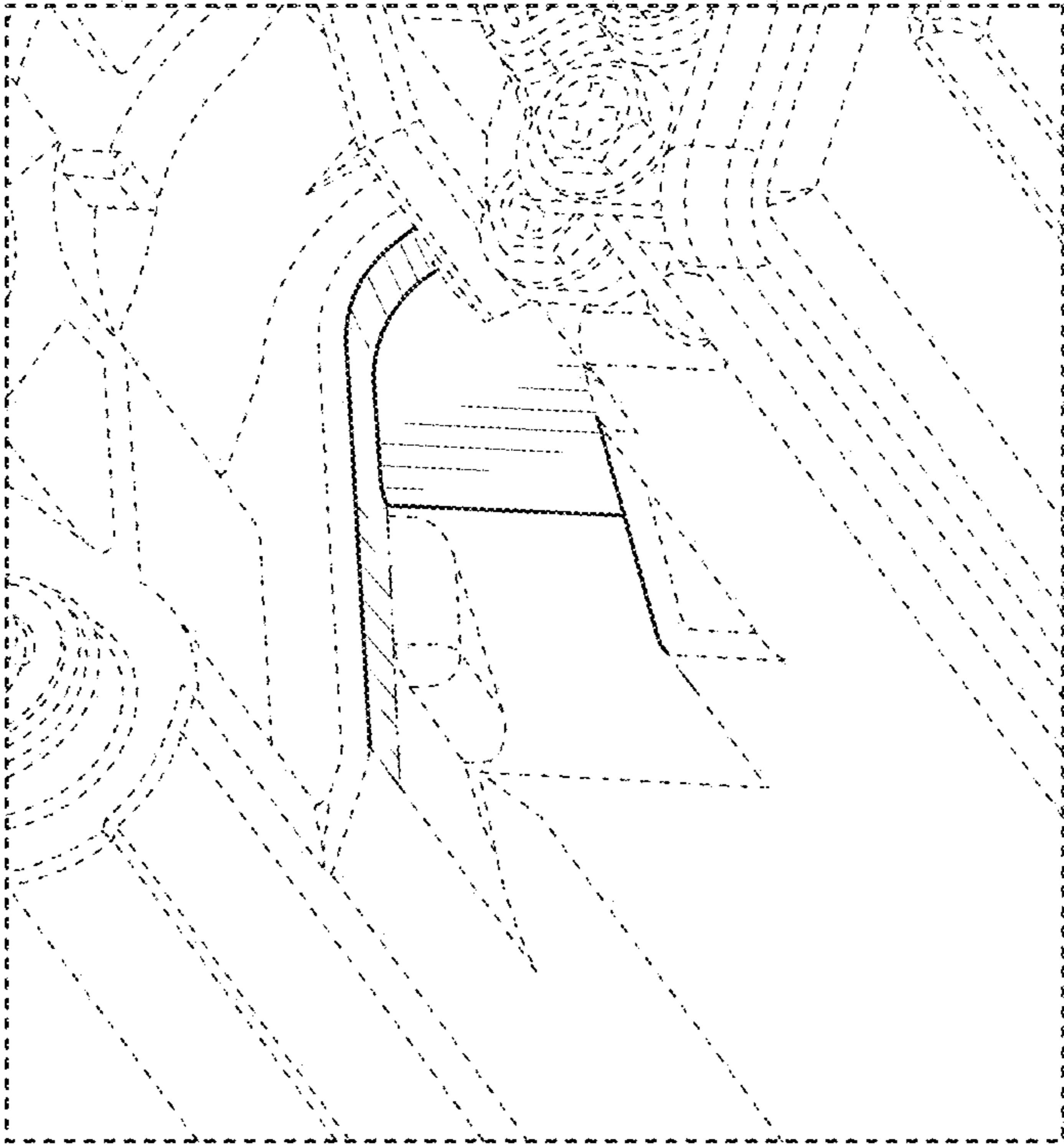


FIG. 9