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(12) **United States Design Patent** (10) **Patent No.:** **US D965,060 S**
Ishio (45) **Date of Patent:** **** Sep. 27, 2022**

(54) **DOCUMENT FEEDER FOR COPIER**

FOREIGN PATENT DOCUMENTS

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CN 305397056 10/2019
CN 306079388 * 9/2020
JP D1306715 * 7/2007

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OTHER PUBLICATIONS

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Railroad Spike, published Sep. 6, 2017 [online], [retrieved Jul. 14, 2021], Available from Internet, URL: <http://www.railway-fasteners.com/news/study-of-railroad-spike-corrosion.html>.*

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

(Continued)

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(30) **Foreign Application Priority Data**

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(51) **LOC (13) Cl.** **18-99**

(52) **U.S. Cl.**
USPC **D18/49**

(58) **Field of Classification Search**

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D15/89; D18/53, 59, 50, 14, 19, 54-57,
D18/36-45, 34.4, 34.5, 34.6, 18, 51, 12,
D18/46-49; D14/301-303, 307, 345,
D14/420-425, 462; D6/691.4, 675, 708;
D13/107, 108; D19/92, 77, 99;
D7/554.3, 637; D3/304, 313; D9/424;
D8/313, 314, 301, 315, 300, 302, 307;
D34/1

CPC B41J 2/14; B41J 1/54; B41J 3/4073; B41J
3/4078; B41F 17/22; B41F 17/003; B41F
17/38; B28B 1/001; G03G 15/08; G03G

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,413,918 A * 4/1922 Lamb E04B 1/58
403/231

D94,120 S * 12/1934 De Vries D8/313

D100,218 S * 6/1936 Martin D8/313

(Continued)

(57) **CLAIM**

I claim the ornamental design for a document feeder for copier, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a document feeder for copier showing the new design;

FIG. 2 is a front view of the document feeder for copier of FIG. 1;

FIG. 3 is a rear view of the document feeder for copier of FIG. 1;

FIG. 4 is a top view of the document feeder for copier of FIG. 1;

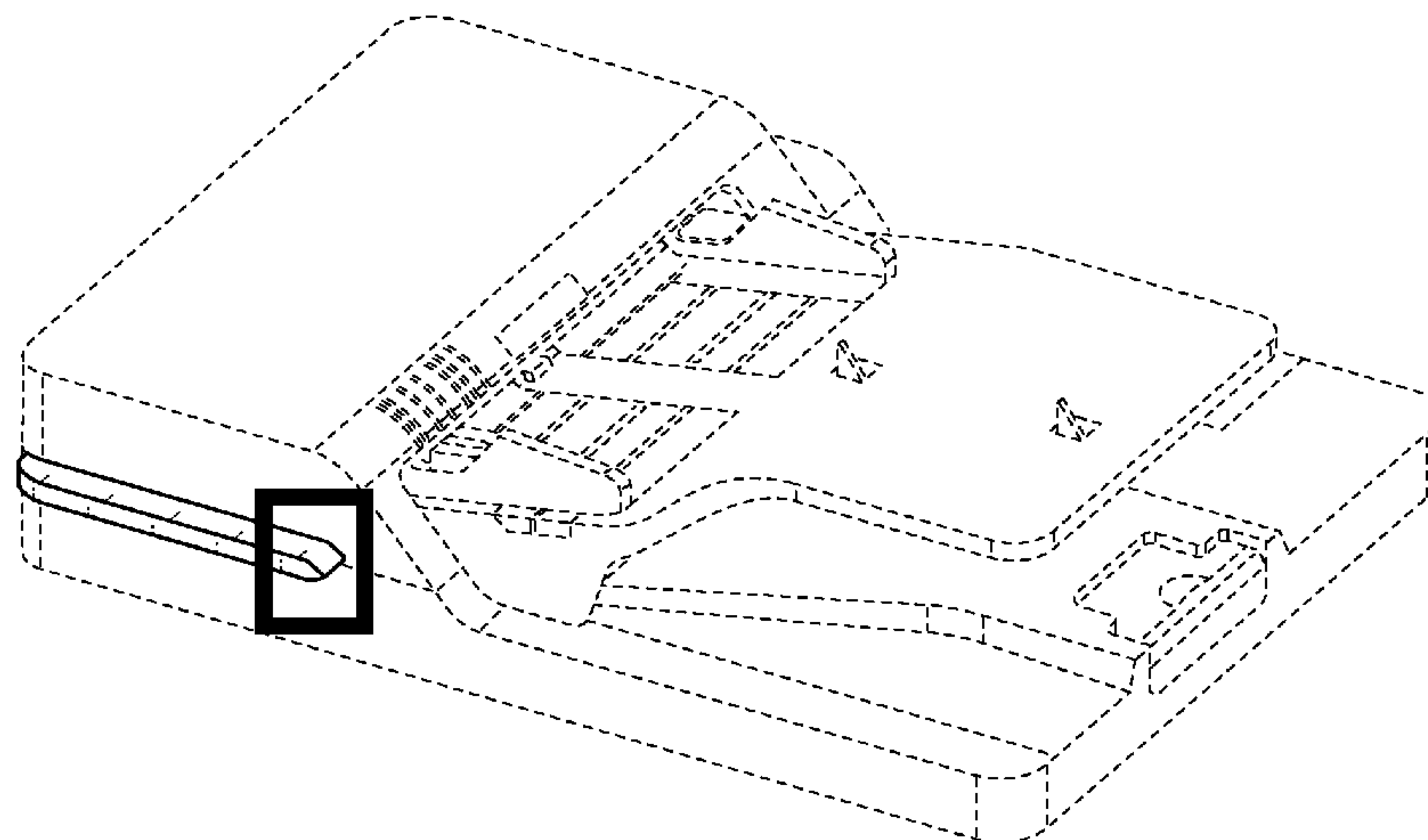
FIG. 5 is a bottom view of the document feeder for copier of FIG. 1;

FIG. 6 is a right side view of the document feeder for copier of FIG. 1; and,

FIG. 7 is a left side view of the document feeder for copier of FIG. 1.

The broken lines shown in the drawings depict portions of the document feeder for copier that form no part of the claimed design.

1 Claim, 4 Drawing Sheets



(58) **Field of Classification Search**
 CPC ... 15/0891; G03G 15/0875; G03G 2215/0827;
 G03G 2215/0855; G03G 21/1842
 See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D100,871 S * 8/1936 Marcus D8/300
 D165,702 S * 1/1952 Stewart D8/315
 D171,877 S * 4/1954 Armstrong D8/313
 D175,851 S * 10/1955 Ohno D8/302
 D188,517 S * 8/1960 Peterson D12/190
 D191,632 S * 10/1961 Schultz D8/302
 D191,920 S * 12/1961 Glendale et al. D8/302
 4,083,481 A * 4/1978 Selinko H04B 1/088
 224/269
 D313,161 S * 12/1990 Westphal D8/307
 D339,718 S * 9/1993 Coy D7/402
 D379,558 S * 6/1997 Mischenko D11/200
 D426,875 S * 6/2000 Weatherbee D8/307
 D427,293 S * 6/2000 Yastrop D8/307
 D461,287 S * 8/2002 Hansen D32/41
 D502,210 S 2/2005 Katori et al.
 D502,858 S * 3/2005 Sato D8/302
 7,068,963 B2 * 6/2006 Moore G03G 15/0886
 399/109
 D555,176 S * 11/2007 Ogawa D15/69
 D555,195 S 11/2007 Park et al.
 D572,566 S * 7/2008 Kahonen D8/300
 D577,763 S 9/2008 Hidaka et al.
 D580,484 S 11/2008 Ishio
 D626,587 S 11/2010 Ishio et al.
 D685,414 S 7/2013 Jeong et al.
 D695,339 S 12/2013 Fukasawa et al.
 D697,966 S 1/2014 Fukasawa et al.
 D697,967 S 1/2014 Fukasawa et al.
 D698,389 S 1/2014 Fukasawa et al.
 D699,725 S 2/2014 Sato et al.
 D702,760 S 4/2014 Kim et al.
 D723,901 S * 3/2015 Holtman D8/308
 D724,142 S 3/2015 Kim et al.
 D726,249 S 4/2015 Kim et al.
 D726,250 S 4/2015 Kim et al.
 D726,251 S 4/2015 Kim et al.
 D730,356 S 5/2015 Sato et al.
 D733,711 S 7/2015 Nakagawa et al.
 D733,712 S 7/2015 Nakagawa
 D734,338 S 7/2015 Nakagawa
 D742,960 S 11/2015 Lee et al.
 D755,286 S 5/2016 Kim et al.
 D758,486 S 6/2016 Nakagawa et al.
 D764,834 S * 8/2016 Citterio D6/574
 D767,676 S 9/2016 So
 D769,968 S 10/2016 So et al.
 D773,919 S * 12/2016 Carlino D8/315
 D774,377 S * 12/2016 Hilliaho D8/315
 D777,833 S 1/2017 Kim et al.
 D778,983 S 2/2017 Kim et al.
 D780,839 S 3/2017 Kim et al.
 D780,840 S 3/2017 Kim et al.
 D780,841 S 3/2017 Kim et al.
 D789,719 S * 6/2017 Van Hoecke D6/705.4
 D791,867 S 7/2017 Nakagawa et al.
 D792,187 S * 7/2017 Hilliaho D8/307
 D792,751 S * 7/2017 Hilliaho D8/307
 D799,594 S 10/2017 Kim et al.
 D800,122 S 10/2017 Tashima et al.
 D800,123 S 10/2017 Tashima et al.
 D800,124 S 10/2017 Asano et al.

D800,214 S 10/2017 Sato et al.
 D800,216 S 10/2017 Sato et al.
 D802,659 S 11/2017 Peng
 D803,308 S 11/2017 Takahashi et al.
 D803,309 S 11/2017 Takahashi et al.
 D803,310 S 11/2017 Takahashi et al.
 D808,461 S 1/2018 Tashima
 D809,594 S 2/2018 Tashima
 D810,192 S 2/2018 Kawata
 D811,138 S * 2/2018 Lee D6/705
 D811,474 S 2/2018 Kim et al.
 9,888,138 B2 2/2018 Nakamura et al.
 D812,134 S 3/2018 Tashima et al.
 D812,683 S 3/2018 Inada
 D812,684 S 3/2018 Tashima et al.
 D815,197 S 4/2018 Kim et al.
 D818,532 S 5/2018 Sato et al.
 D821,490 S 6/2018 Mita et al.
 D826,321 S 8/2018 Kim et al.
 D827,021 S 8/2018 Asano et al.
 D832,342 S 10/2018 Brown et al.
 D832,343 S 10/2018 Kim et al.
 D834,913 S * 12/2018 Muntean D8/302
 D841,731 S 2/2019 Brown et al.
 D852,880 S * 7/2019 Anderson, Jr. D18/43
 D854,078 S * 7/2019 Anderson, Jr. D18/43
 D861,068 S 9/2019 Navarrete et al.
 D865,052 S 10/2019 Oda et al.
 D868,884 S 12/2019 Inada et al.
 D899,514 S 10/2020 Chin et al.
 D900,586 S * 11/2020 Pille D8/315
 D907,701 S 1/2021 Hayashi et al.
 D912,710 S * 3/2021 Choi D15/146
 D912,711 S * 3/2021 Choi D15/146
 2014/0186075 A1 * 7/2014 Morita G03G 15/0886
 399/258
 2021/0122599 A1 4/2021 Akiyama

OTHER PUBLICATIONS

Kethy L7804, published Mar. 14, 2018 [online], [retrieved Jul. 14, 2021], Available from Internet, URL: https://web.archive.org/web/20180314082724if_/https://www.kethy.com.au/product/17804-* Furniture Wardrobe Cupboard Closet Drawer Handle Pull, published Mar. 15, 2018 [online], [retrieved Jul. 14, 2021], Available from Internet, URL: https://www.amazon.com/RDEXP-118x35mm-Distance-Furniture-Wardrobe/dp/B07BGT2KHT/ref=sr_1_6?dchild=1&keywords=Wooden+Drawer+Pulls&qid=1625712184&sr=8-6* Oak Angled Pull, no date available [online], [retrieved Jul. 14, 2021], Available from Internet, URL: <https://www.rockler.com/oak-angled-pull-160mm-ctc>* Automatic document feeder (ADF), no date available [online], [retrieved Jun. 18, 2021], Available from Internet, URL: https://okiprinting-en-gb.custhelp.com/app/answers/detail/a_id/8219/_automatic-document-feeder-%28adf%29-cover-is-open...-is-displayed.%28mc853%2C%20mc873%2C. U.S. Office Action on U.S. Appl. No. 29/707,863 dated Jun. 24, 2021. Toshiba adds to e-Studio series p. 1-26_Aug. 2020—The Recycler. com-29707858 <https://www.therecycler.com/posts/toshiba-adds-to-e-studio-series/> (Year: 2020). U.S. Office Action on U.S. Appl. No. 29/707,858 dated Dec. 2, 2021. Notice of Allowance on U.S. Appl. No. 29/707,863 dated Jan. 20, 2022. Non-Final Office Action on U.S. Appl. No. 29/707,858 dated Apr. 21, 2022.

* cited by examiner

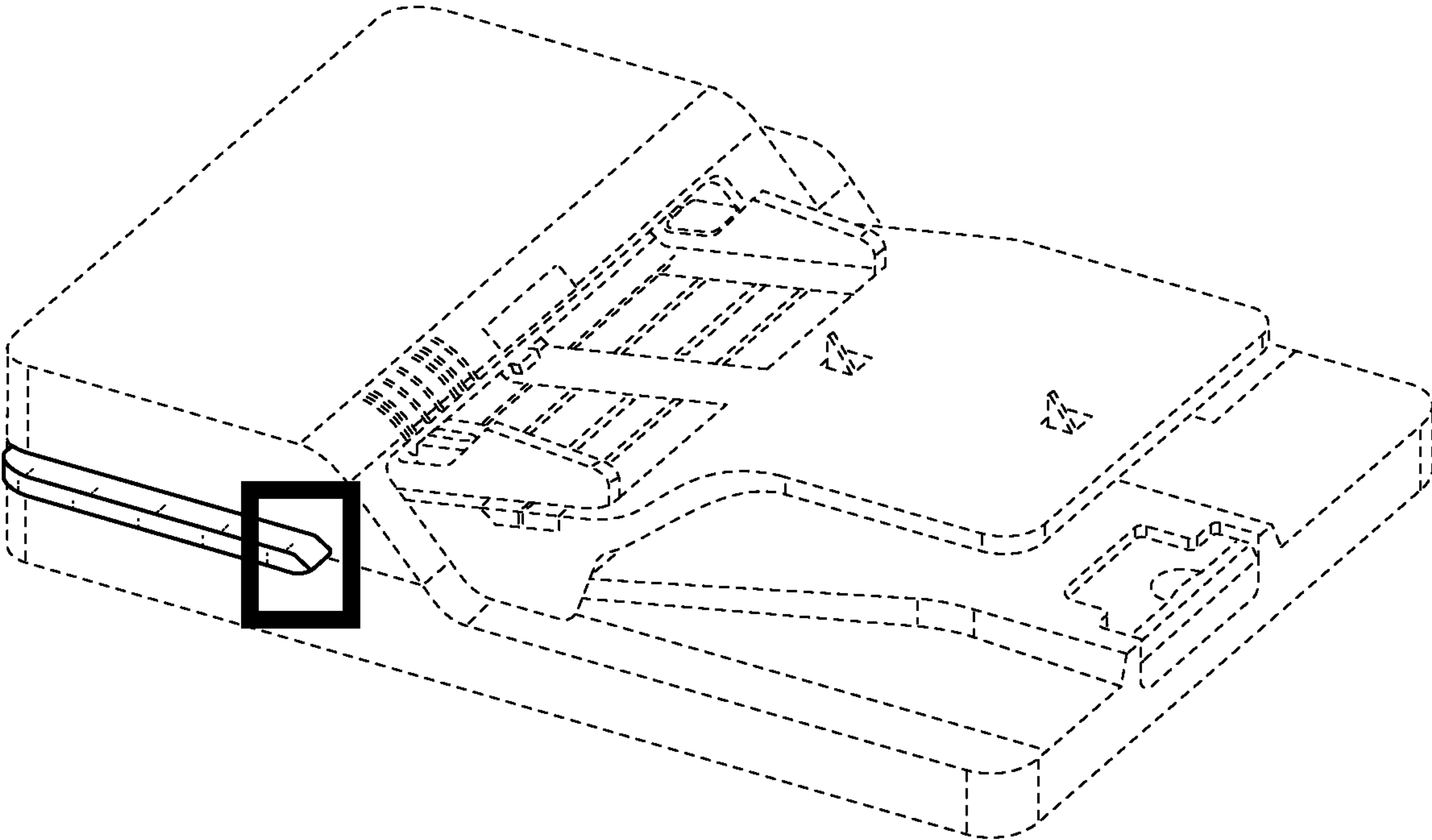


FIG. 1

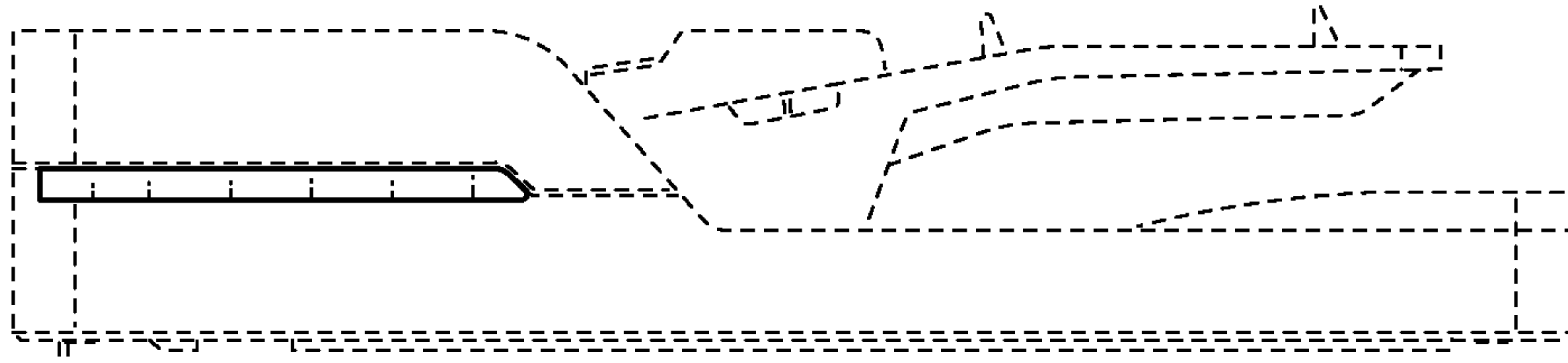


FIG. 2

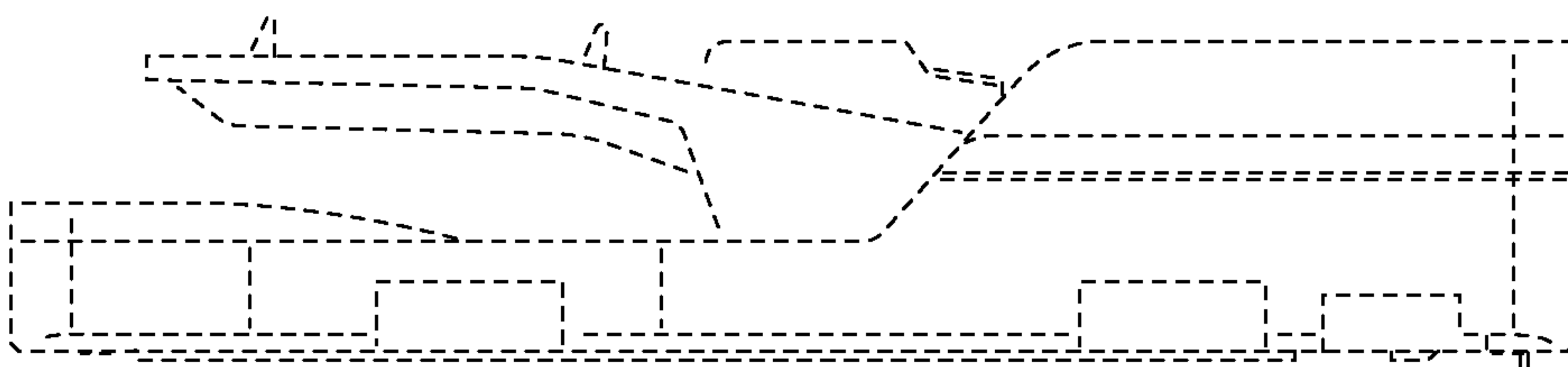


FIG. 3

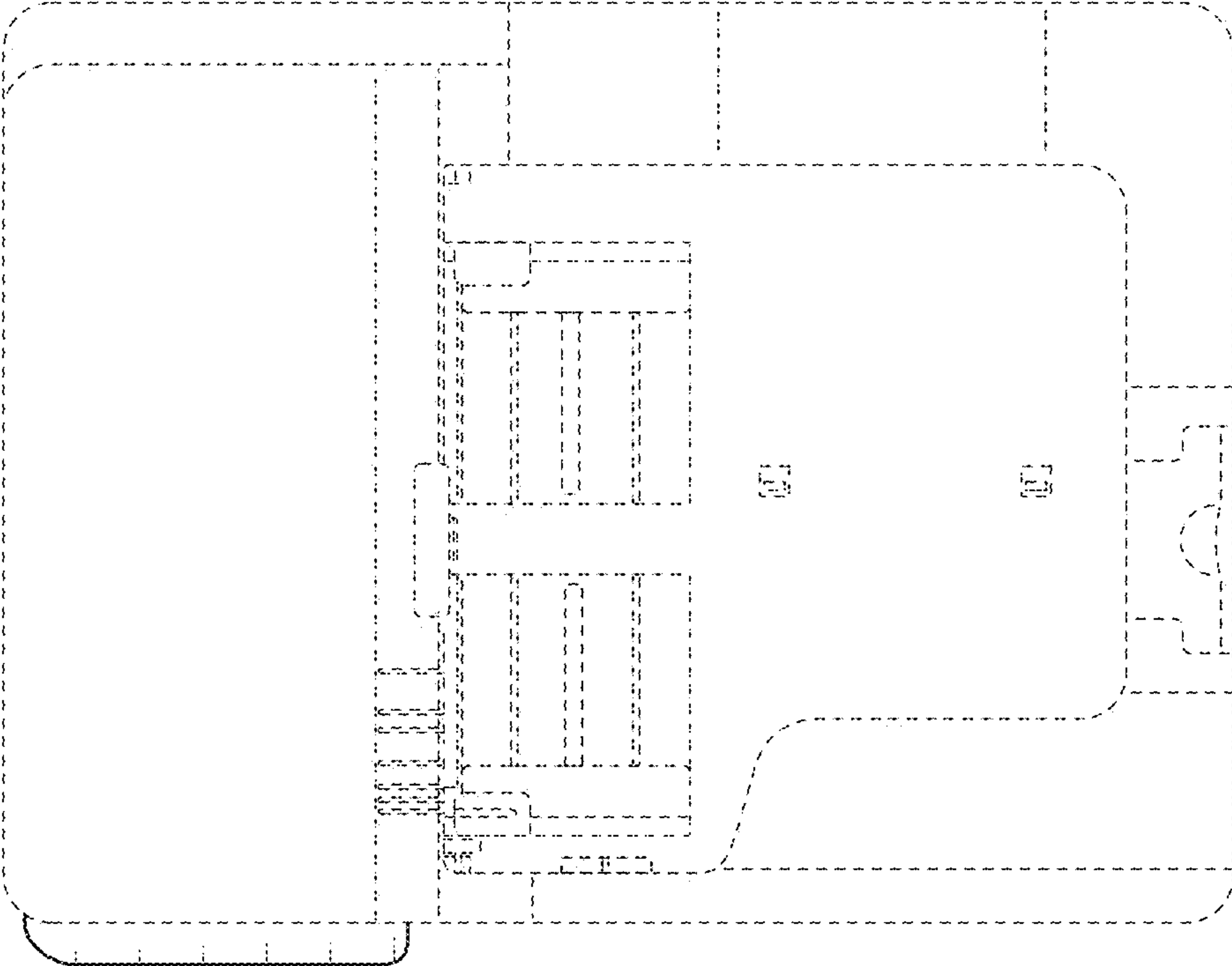


FIG. 4

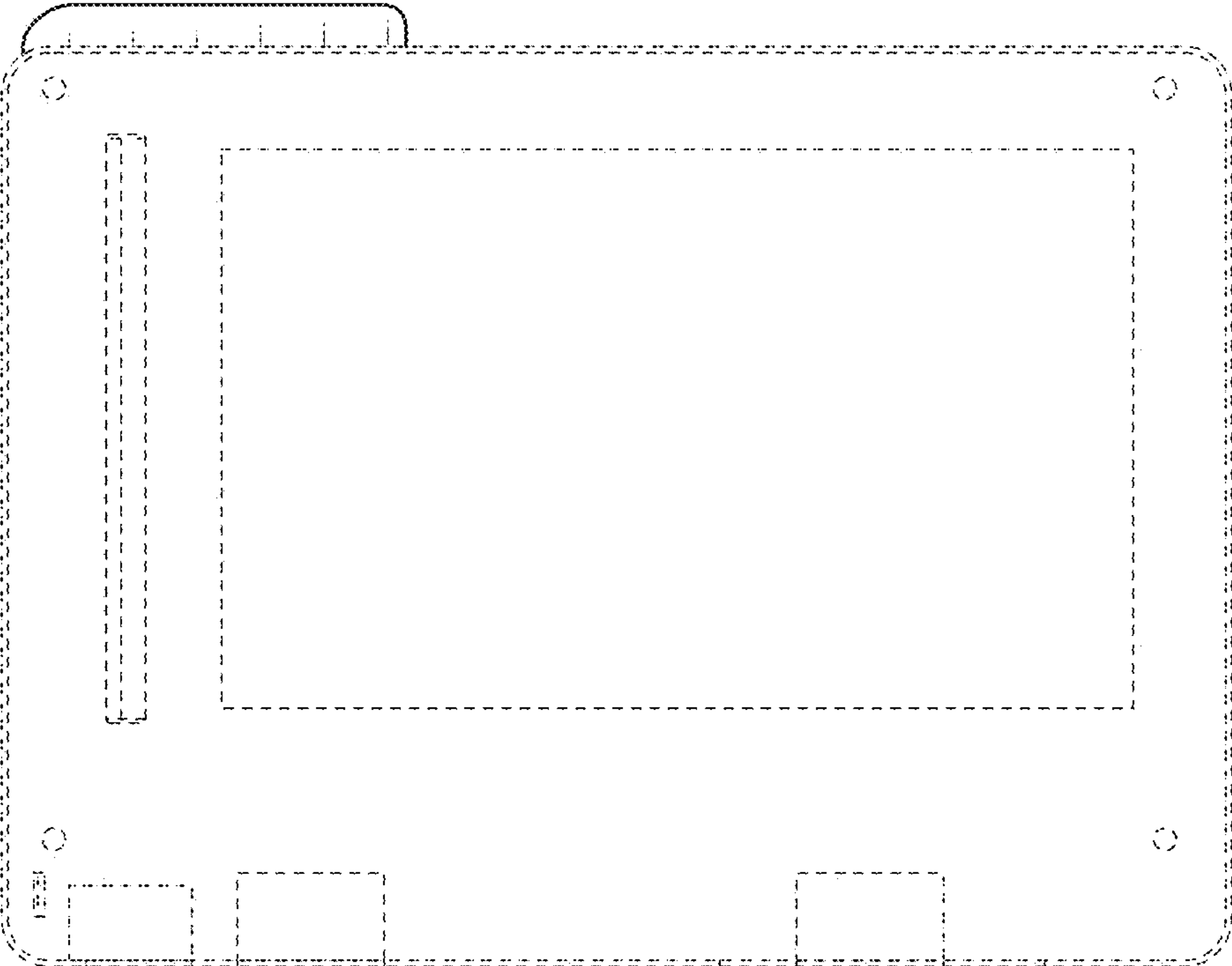


FIG. 5

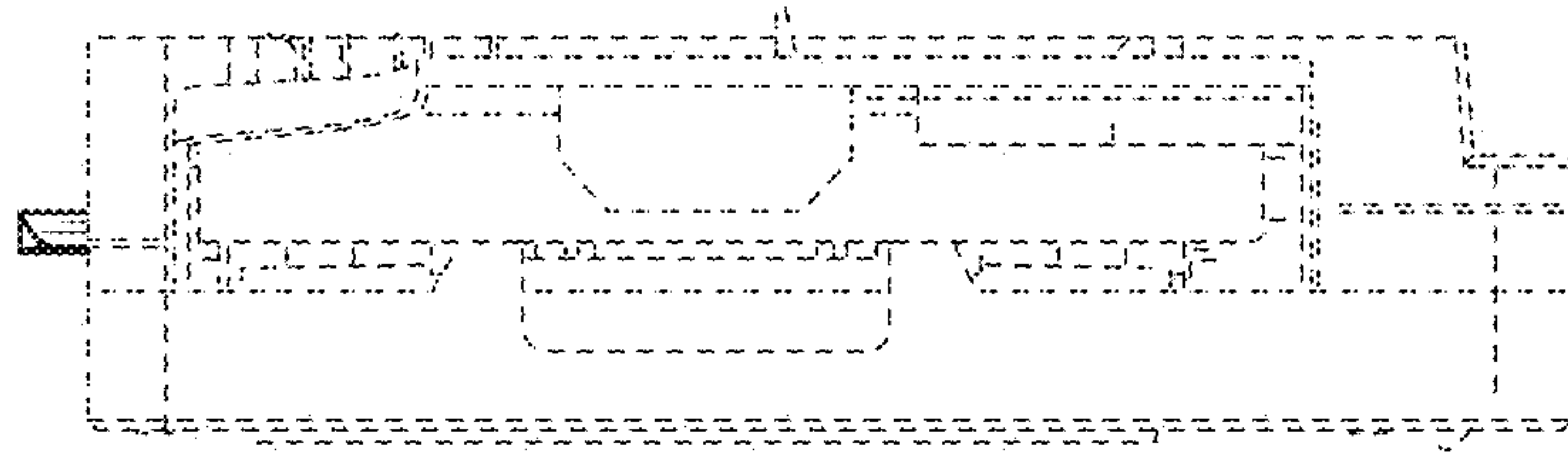


FIG. 6

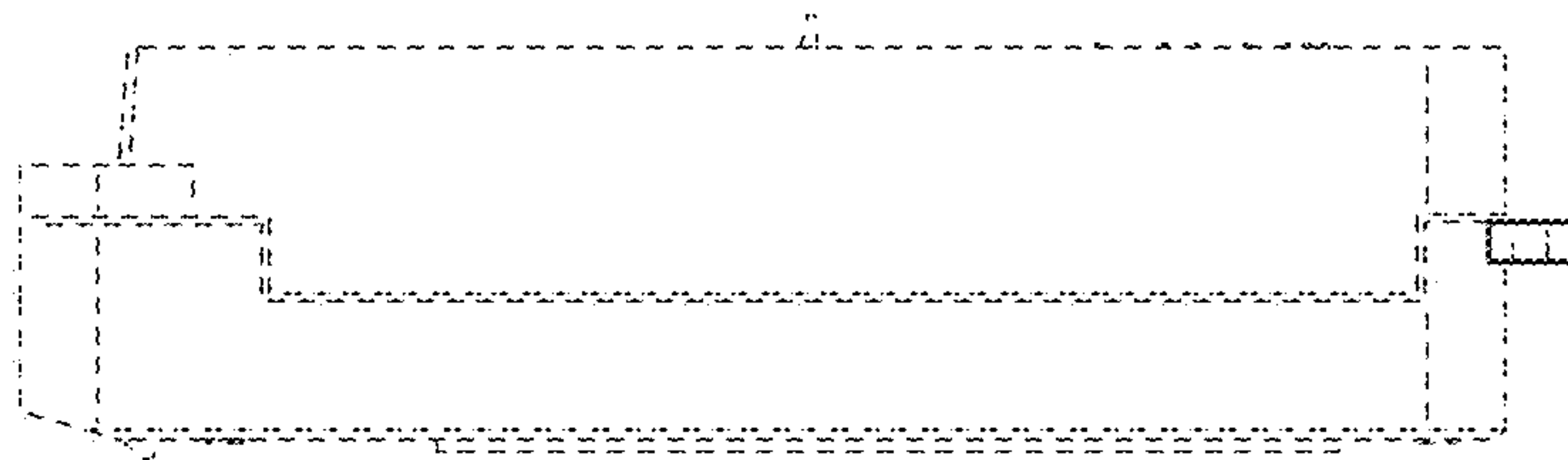


FIG. 7