



US00D934818S

(12) **United States Design Patent**  
**Zhang et al.**

(10) **Patent No.:** **US D934,818 S**  
(45) **Date of Patent:** **\*\* Nov. 2, 2021**

(54) **SWITCH**

(74) *Attorney, Agent, or Firm* — Locke Lord LLP

(71) Applicant: **SCHNEIDER ELECTRIC (AUSTRALIA) PTY LTD**, Macquarie Park (AU)

(57) **CLAIM**

The ornamental design for a switch, as shown and described.

(72) Inventors: **Youliang Zhang**, Shenzhen (CN); **Jiayu Fu**, Shenzhen (CN); **Pei Shang**, Shenzhen (CN); **Dahai Zhang**, Shenzhen (CN); **Zhen Ma**, Shenzhen (CN)

**DESCRIPTION**

(73) Assignee: **Schneider Electric (Australia) PTY LTD**, Macquarie Park (AU)

FIG. 1 is a front view of a first embodiment of the switch in a turn-off state;

FIG. 2 is a top view of the first embodiment of the switch in the turn-off state;

FIG. 3 is a bottom view of the first embodiment of the switch in the turn-off state;

FIG. 4 is a left view of the first embodiment of the switch in the turn-off state;

FIG. 5 is a right view of the first embodiment of the switch in the turn-off state;

FIG. 6 is a perspective view of the first embodiment of the switch in the turn-off state;

FIG. 7 is a front view of the first embodiment of the switch in a turn-on state;

FIG. 8 is a top view of the first embodiment of the switch in the turn-on state;

FIG. 9 is a bottom view of the first embodiment of the switch in the turn-on state;

FIG. 10 is a left view of the first embodiment of the switch in the turn-on state;

FIG. 11 is a right view of the first embodiment of the switch in the turn-on state;

FIG. 12 is a perspective view of the first embodiment of the switch in the turn-on state;

FIG. 13 is a front view of a second embodiment of the switch in a turn-off state;

FIG. 14 is a top view of the second embodiment of the switch in the turn-off state;

FIG. 15 is a bottom view of the second embodiment of the switch in the turn-off state;

FIG. 16 is a left view of the second embodiment of the switch in the turn-off state;

FIG. 17 is a right view of the second embodiment of the switch in the turn-off state;

FIG. 18 is a perspective view of the second embodiment of the switch in the turn-off state;

(Continued)

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

(21) Appl. No.: **29/703,900**

(22) Filed: **Aug. 30, 2019**

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

(52) **U.S. Cl.**  
USPC ..... **D13/169**; D13/139.1

(58) **Field of Classification Search**  
USPC ..... D13/158, 159, 162, 164, 165, 169, 170,  
D13/171, 173, 174, 177, 184, 199, 125,  
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D471,163 S \* 3/2003 Yu ..... D13/169  
D644,914 S \* 9/2011 Hoffman ..... D8/353  
(Continued)

OTHER PUBLICATIONS

DBillionDa 3-Way Light Switch. Date:Nov. 21, 2018 . [online],  
[Site visited Feb. 2, 2021], Available from Internet URL: <https://www.amazon.com/dp/B07MMQZ3GG/> (Year: 2018).  
(Continued)

*Primary Examiner* — Susan Bennett Hattan  
*Assistant Examiner* — Landon Thomas Cassell

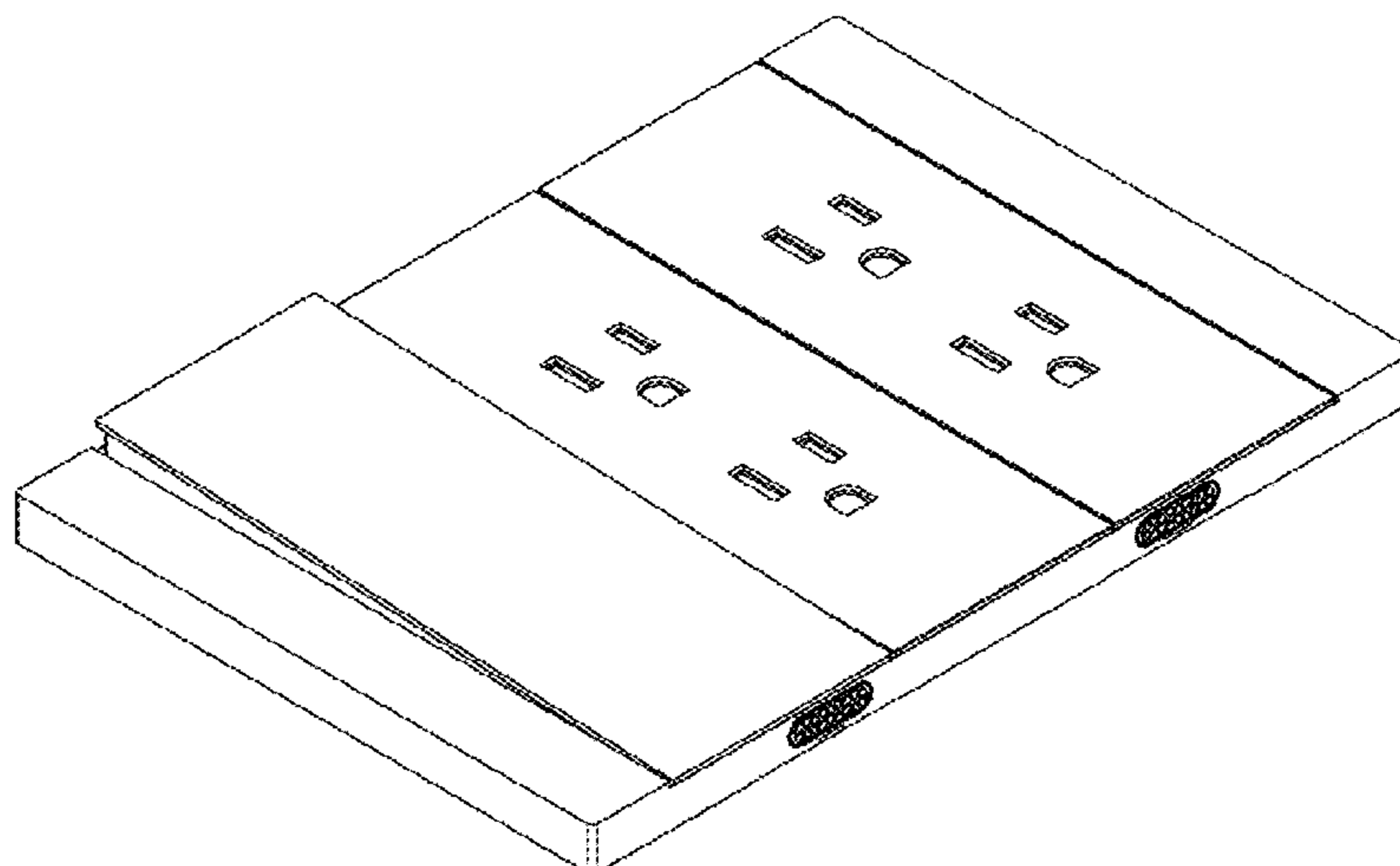


FIG. 19 is a front view of the second embodiment of the switch in a turn-on state;  
 FIG. 20 is a top view of the second embodiment of the switch in the turn-on state;  
 FIG. 21 is a bottom view of the second embodiment of the switch in the turn-on state;  
 FIG. 22 is a left view of the second embodiment of the switch in the turn-on state;  
 FIG. 23 is a right view of the second embodiment of the switch in the turn-on state;  
 FIG. 24 is a perspective view of the second embodiment of the switch in the turn-on state;  
 FIG. 25 is a front view of a third embodiment of the switch in a turn-off state;  
 FIG. 26 is a top view of the third embodiment of the switch in the turn-off state;  
 FIG. 27 is a bottom view of the third embodiment of the switch in the turn-off state;  
 FIG. 28 is a left view of the third embodiment of the switch in the turn-off state;  
 FIG. 29 is a right view of the third embodiment of the switch in the turn-off state;  
 FIG. 30 is a perspective view of the third embodiment of the switch in the turn-off state;  
 FIG. 31 is a front view of the third embodiment of the switch in a turn-on state;  
 FIG. 32 is a top view of the third embodiment of the switch in the turn-on state;  
 FIG. 33 is a bottom view of the third embodiment of the switch in the turn-on state;  
 FIG. 34 is a left view of the third embodiment of the switch in the turn-on state;  
 FIG. 35 is a right view of the third embodiment of the switch in the turn-on state;  
 FIG. 36 is a perspective view of the third embodiment of the switch in the turn-on state;  
 FIG. 37 is a front view of a fourth embodiment of the switch in a turn-off state;  
 FIG. 38 is a top view of the fourth embodiment of the switch in the turn-off state;  
 FIG. 39 is a bottom view of the fourth embodiment of the switch in the turn-off state;  
 FIG. 40 is a left view of the fourth embodiment of the switch in the turn-off state;  
 FIG. 41 is a right view of the fourth embodiment of the switch in the turn-off state;  
 FIG. 42 is a perspective view of the fourth embodiment of the switch in the turn-off state;  
 FIG. 43 is a front view of the fourth embodiment of the switch in a turn-on state;

FIG. 44 is a top view of the fourth embodiment of the switch in the turn-on state;  
 FIG. 45 is a bottom view of the fourth embodiment of the switch in the turn-on state;  
 FIG. 46 is a left view of the fourth embodiment of the switch in the turn-on state;  
 FIG. 47 is a right view of the fourth embodiment of the switch in the turn-on state; and,  
 FIG. 48 is a perspective view of the fourth embodiment of the switch in the turn-on state.

**1 Claim, 22 Drawing Sheets**

(58) **Field of Classification Search**

USPC ..... D13/160, 123, 176, 124, 137.2, 137.1,  
 D13/133, 134, 139.1, 139.3, 139.4, 139.6,  
 D13/152, 154, 137.3; D10/106.8, 106.6;  
 D8/353  
 CPC ..... H01H 3/02; H01H 3/0213; H01H 3/12;  
 H01H 13/00; H01H 13/12; H01H 23/025;  
 H01H 24/525

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D744,951 S \* 12/2015 Oosterman ..... D13/139.1  
 D799,934 S \* 10/2017 Poulheim ..... D8/353  
 D809,407 S \* 2/2018 Jonas ..... D10/53  
 D813,828 S \* 3/2018 Jacoby ..... D13/177  
 D818,799 S \* 5/2018 Poulheim ..... D8/353  
 D818,800 S \* 5/2018 Poulheim ..... D8/353  
 D834,535 S \* 11/2018 Poulheim ..... D13/162  
 D860,950 S \* 9/2019 Ma ..... D13/139.6  
 10,559,946 B1 \* 2/2020 Shang ..... H02B 1/042  
 D882,531 S \* 4/2020 Plaja Miro ..... D13/169  
 D887,370 S \* 6/2020 Jacoby ..... D13/164  
 2020/0043683 A1 \* 2/2020 Zhang ..... H01H 23/08  
 2020/0211790 A1 \* 7/2020 Zhang ..... H01R 13/6335

OTHER PUBLICATIONS

Wall Switches. (Design—© Questel) orbit.com. [Online PDF compilation of references] 64 pgs. Print Dates Range Jun. 8, 2016-Dec. 1, 2020. Retrieved Apr. 2, 2021. <https://www.orbit.com/export/UCZAH96B/pdf4/b03a0967-d5da-4b2d-a088-179f0de0ae98-151013.pdf> (Year: 2021).\*

\* cited by examiner

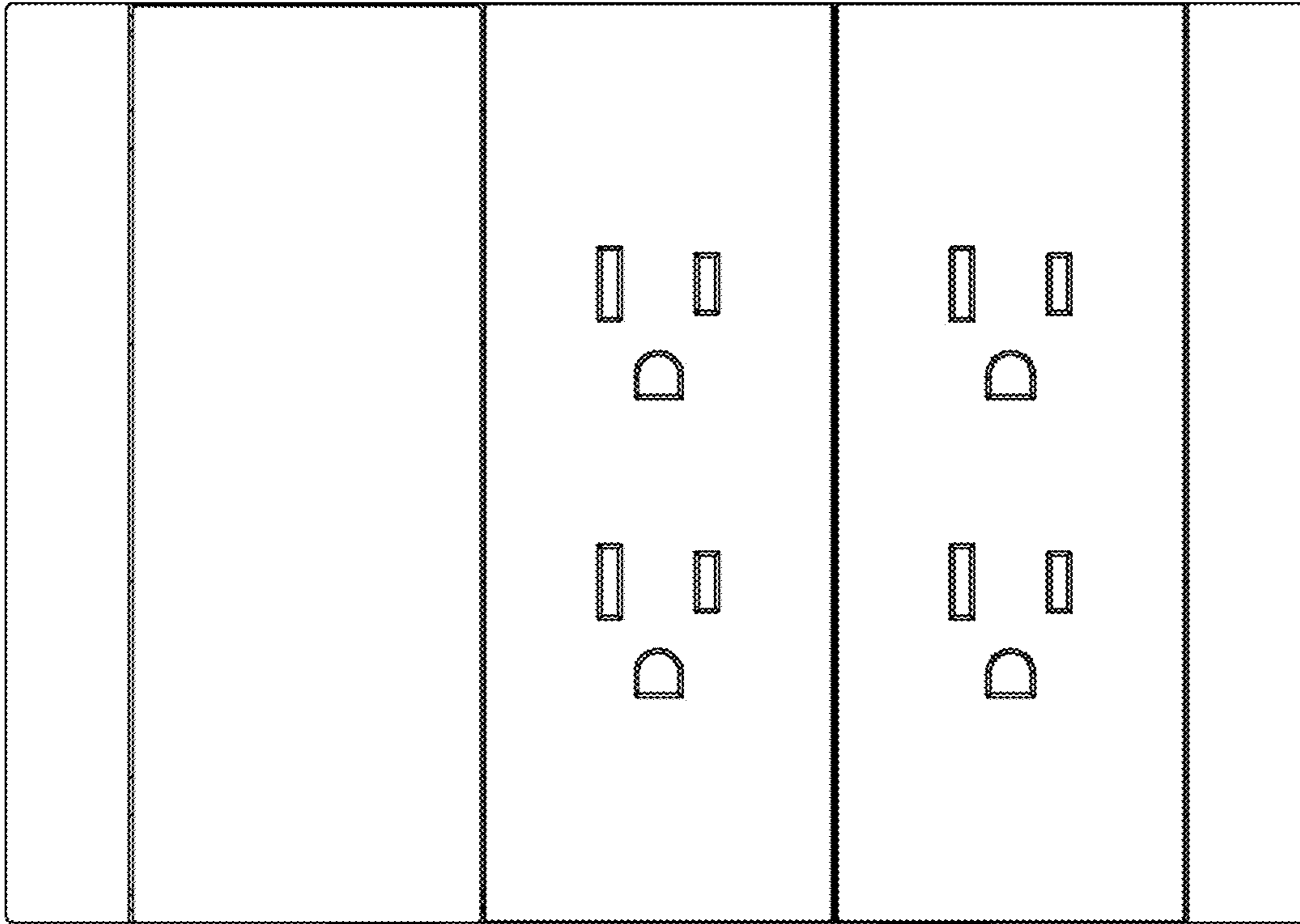


Fig. 1

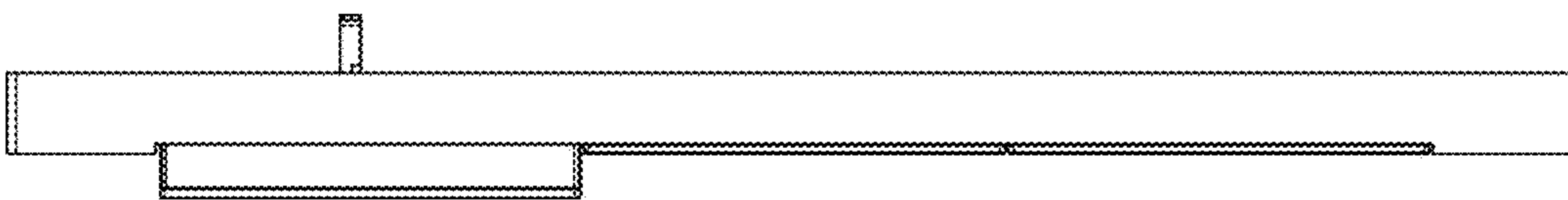


Fig. 2

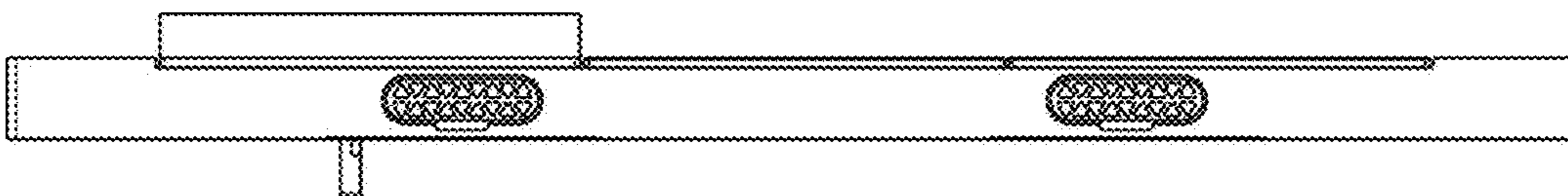


Fig. 3

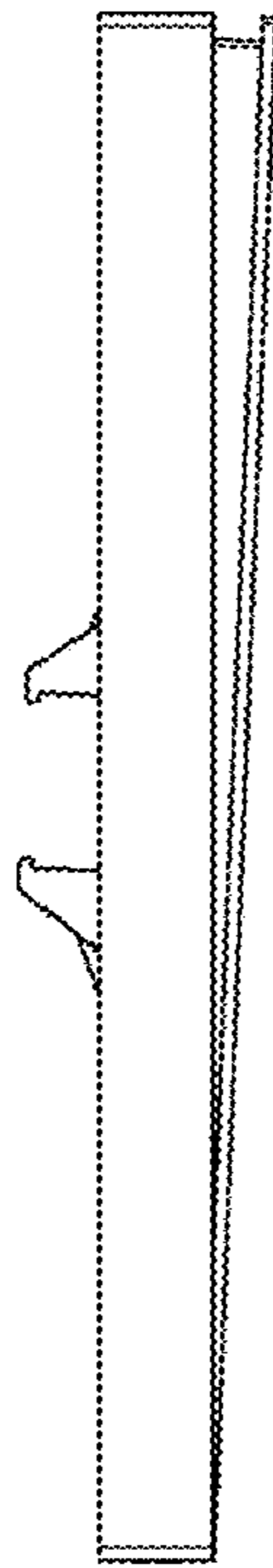


Fig. 4



Fig. 5

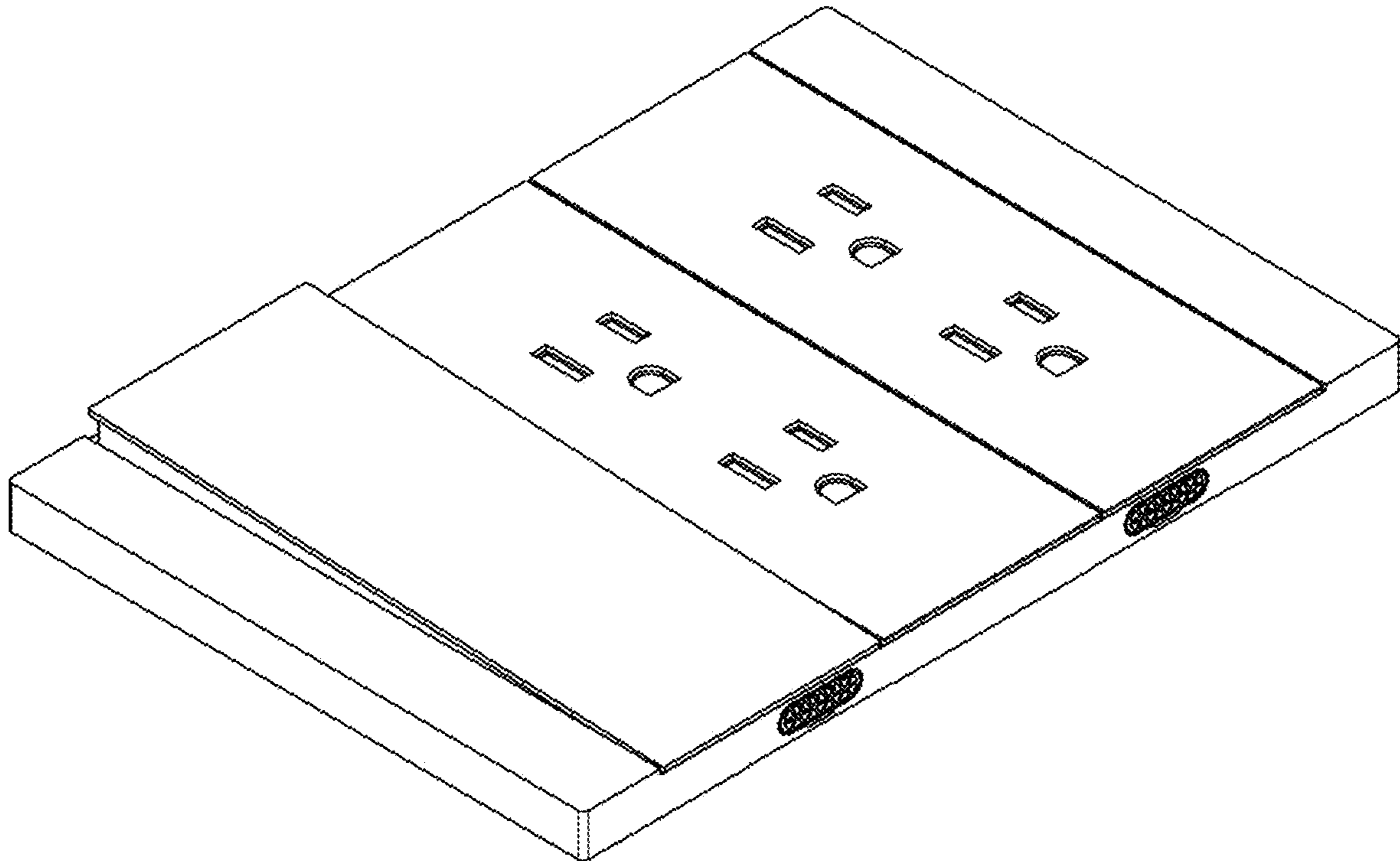


Fig. 6

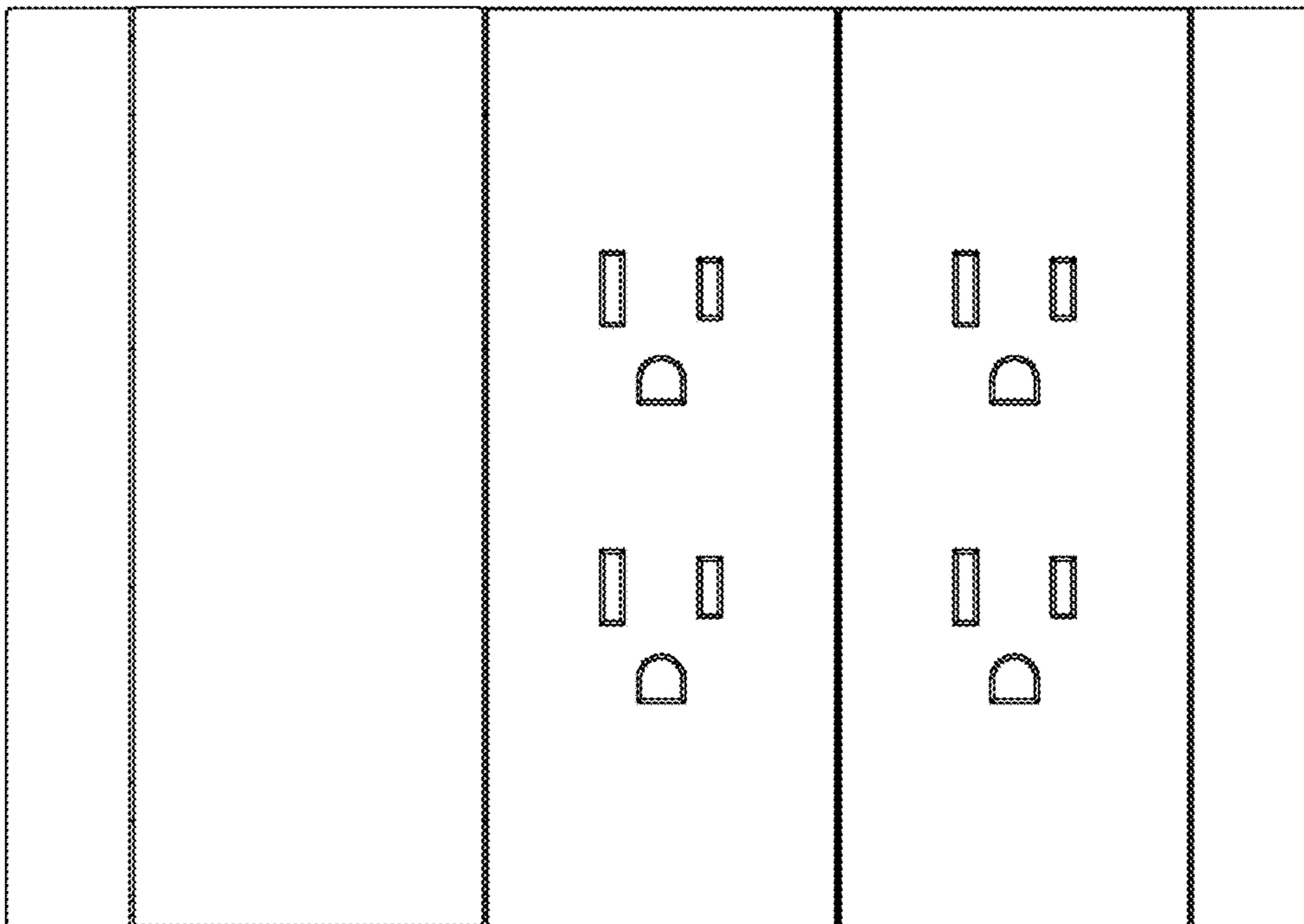


Fig. 7

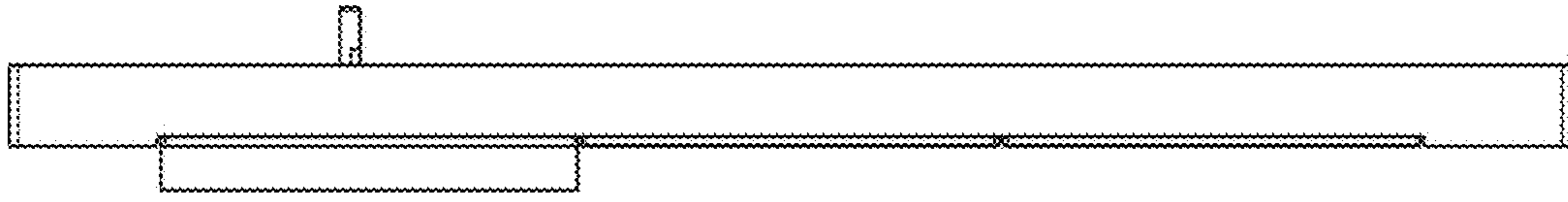


Fig. 8

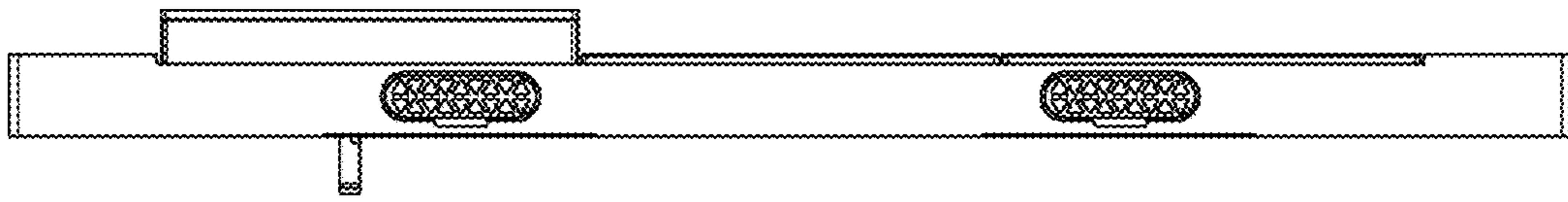


Fig. 9

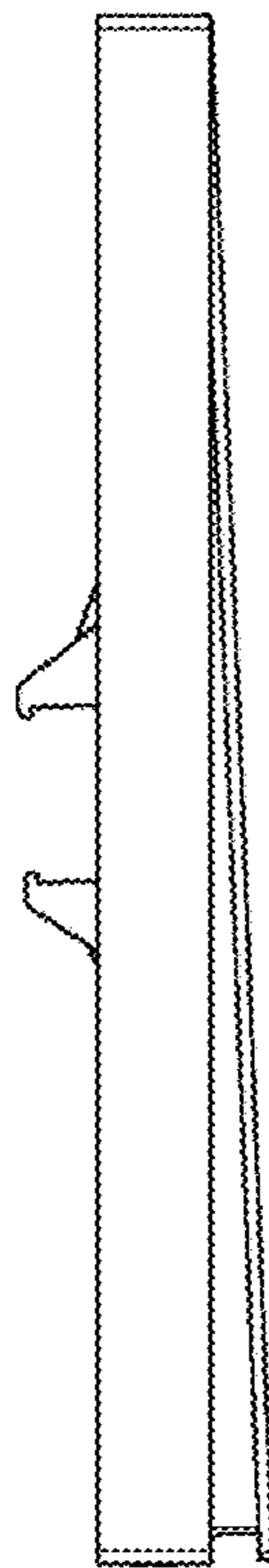


Fig. 10



Fig. 11

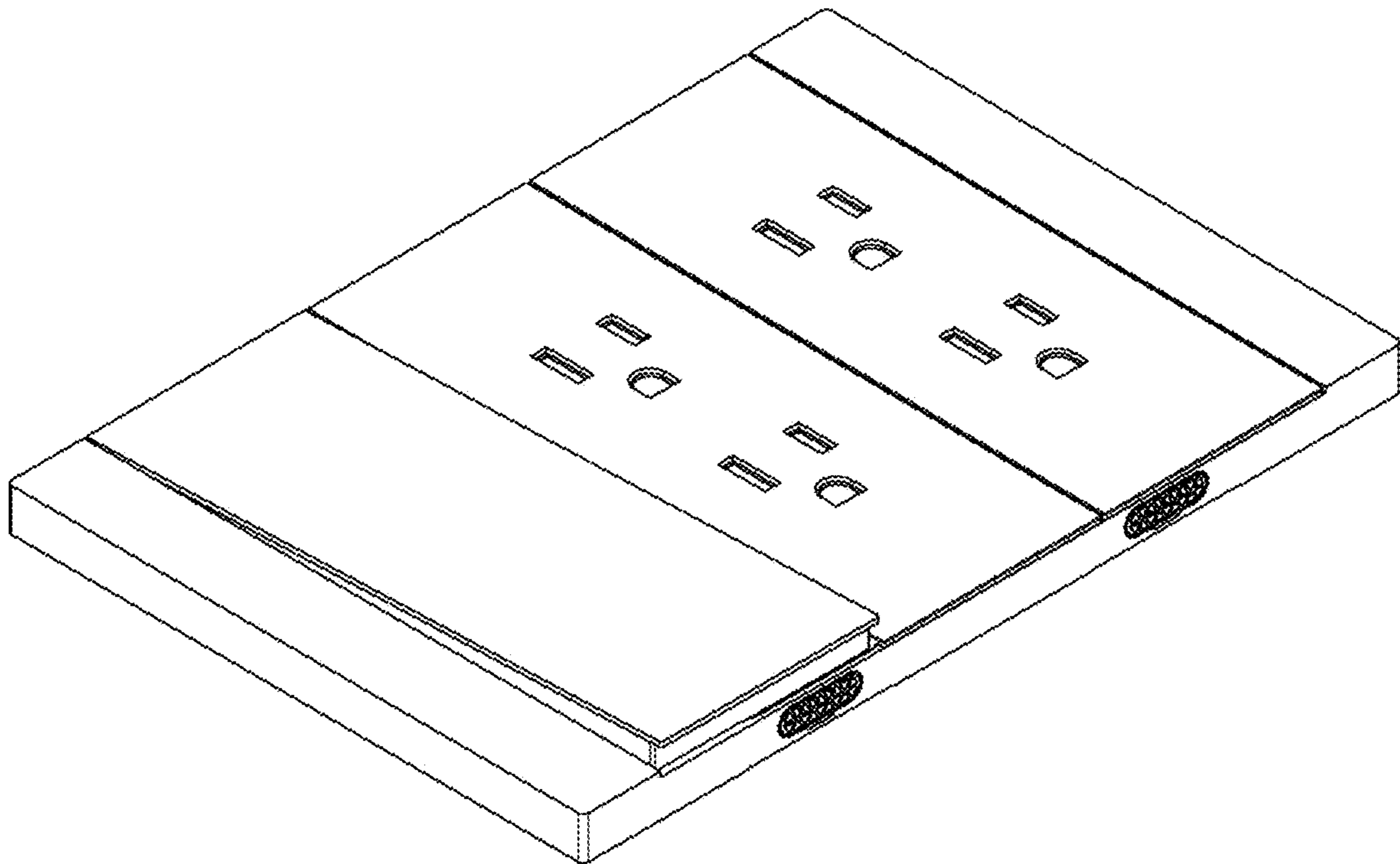


Fig. 12

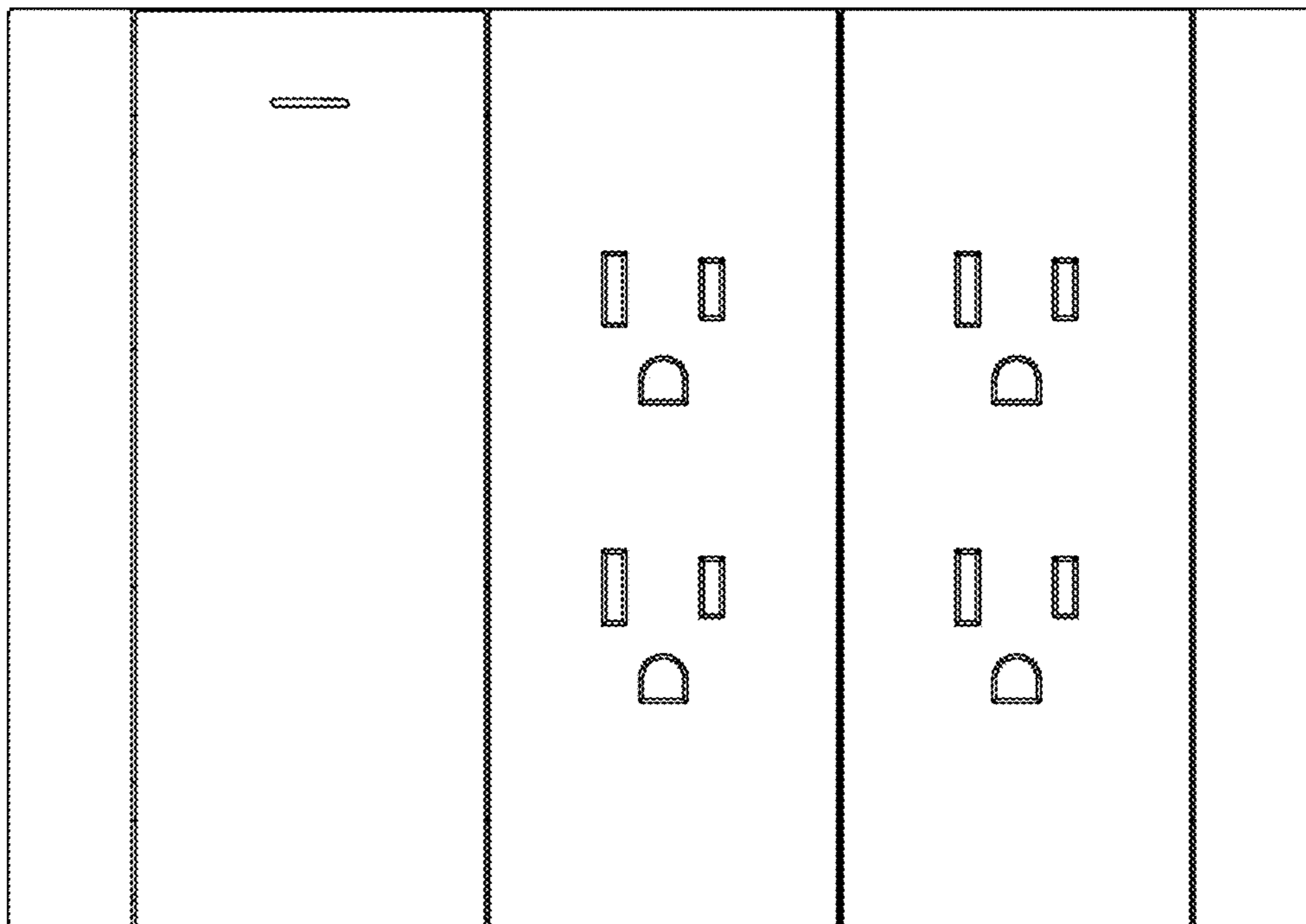


Fig. 13



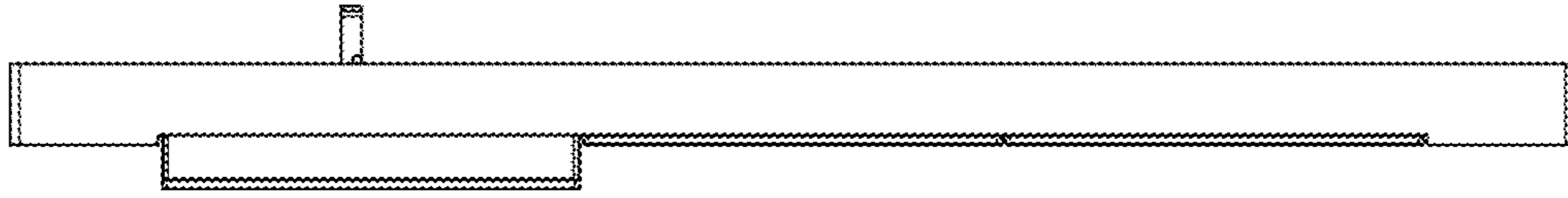


Fig. 14

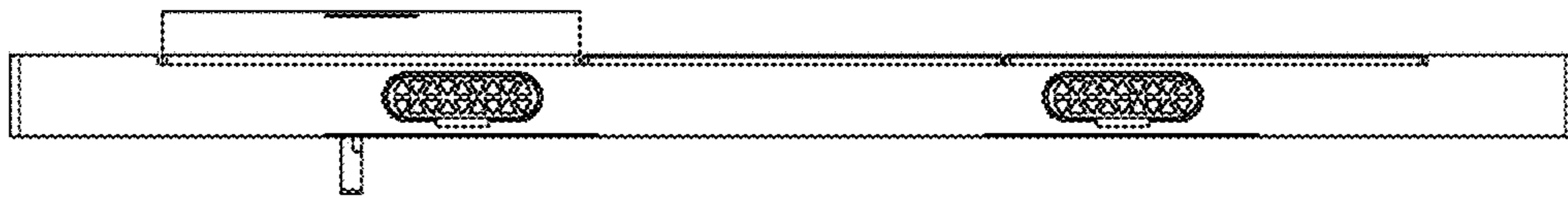


Fig. 15

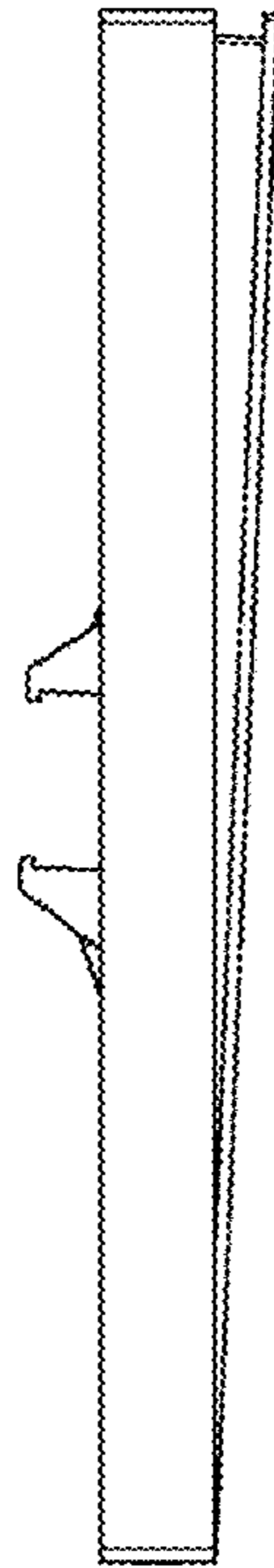


Fig. 16

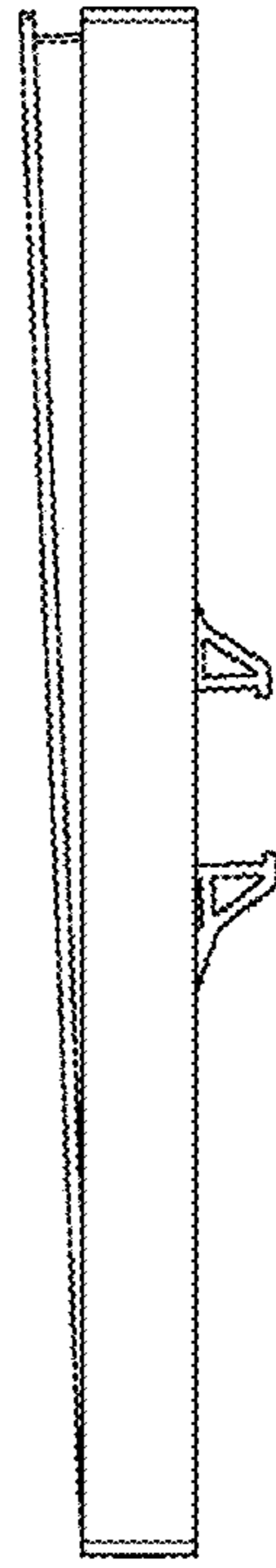


Fig. 17

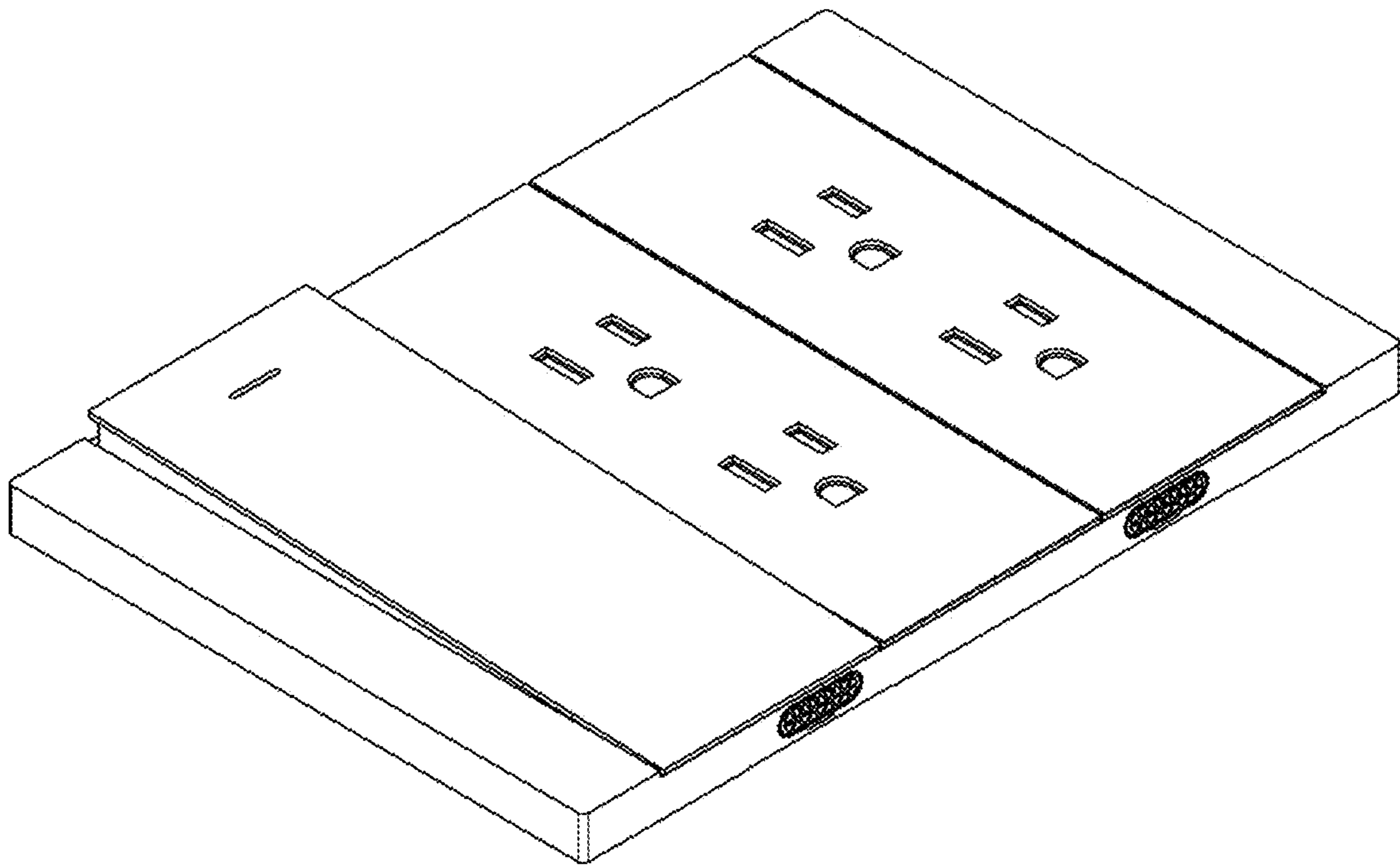


Fig. 18

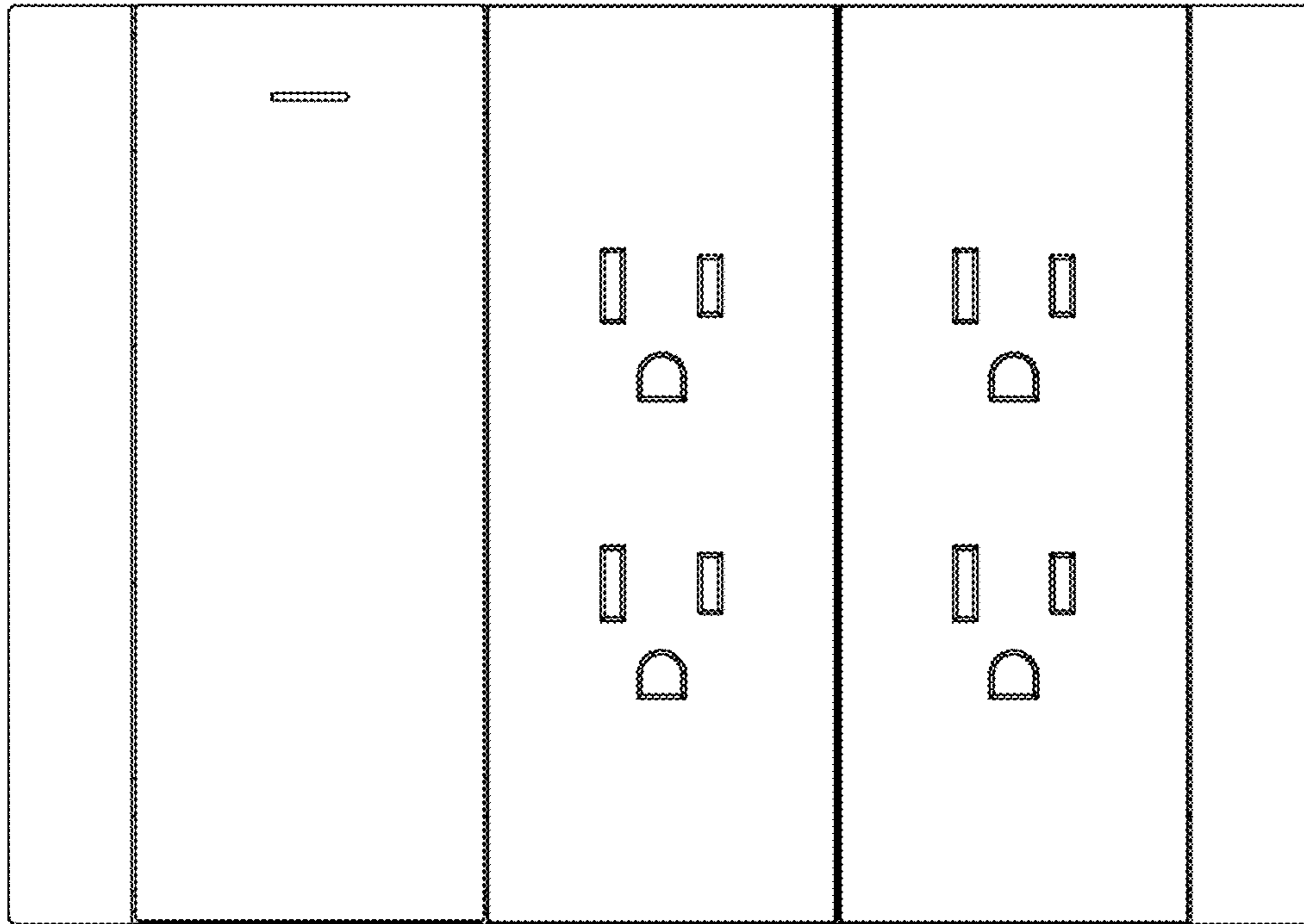


Fig. 19

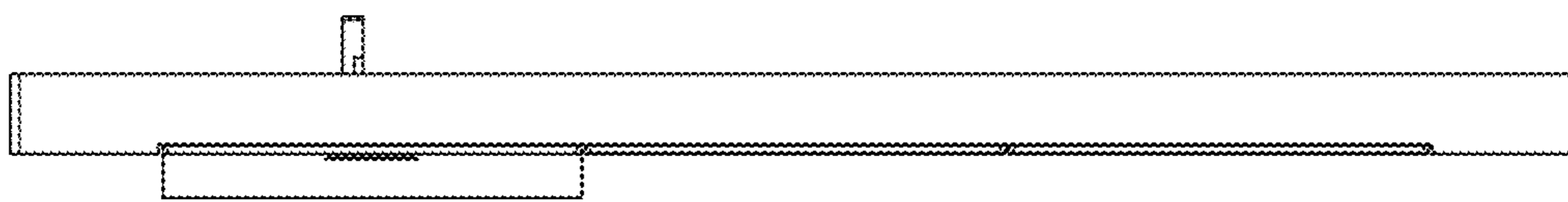


Fig. 20

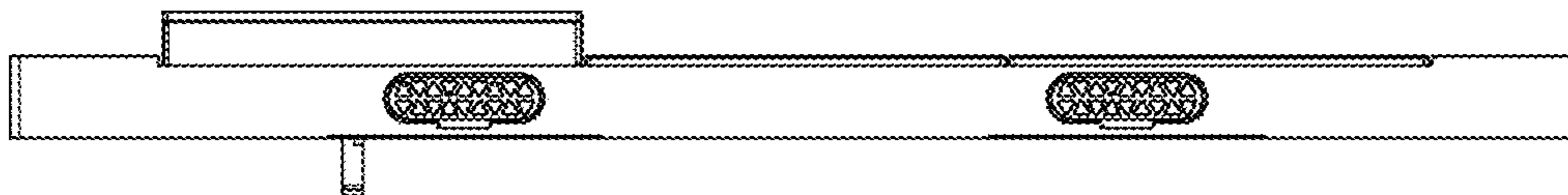


Fig. 21

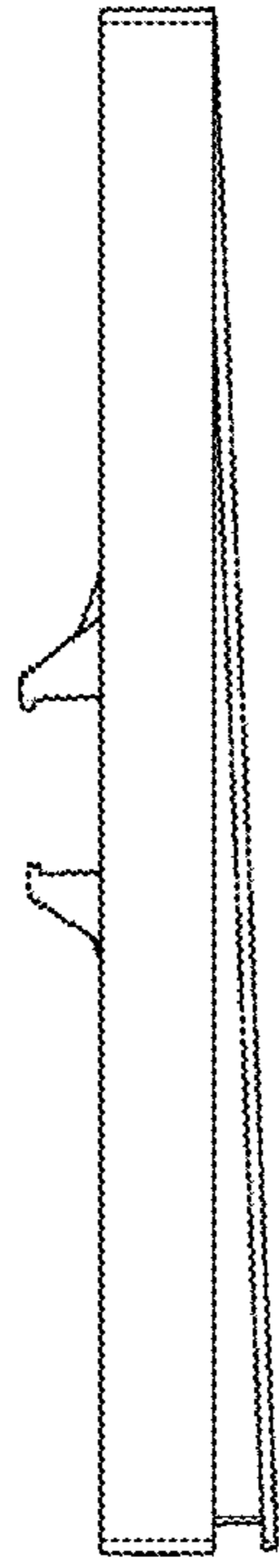


Fig. 22

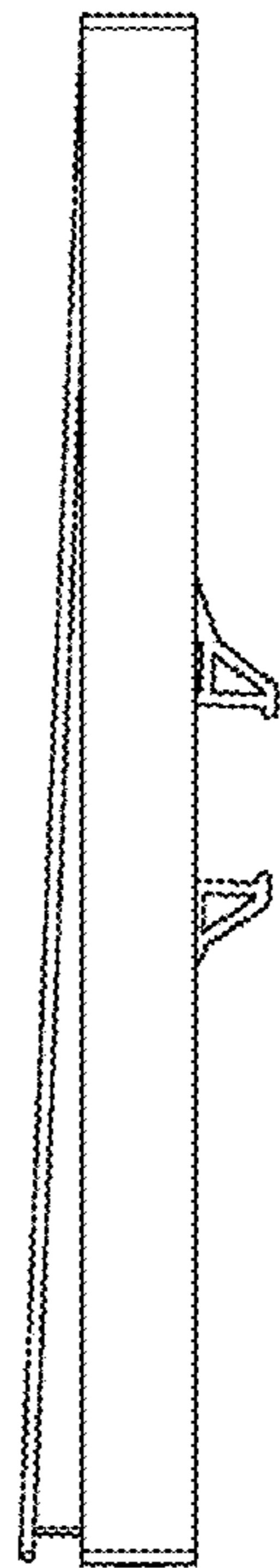


Fig. 23

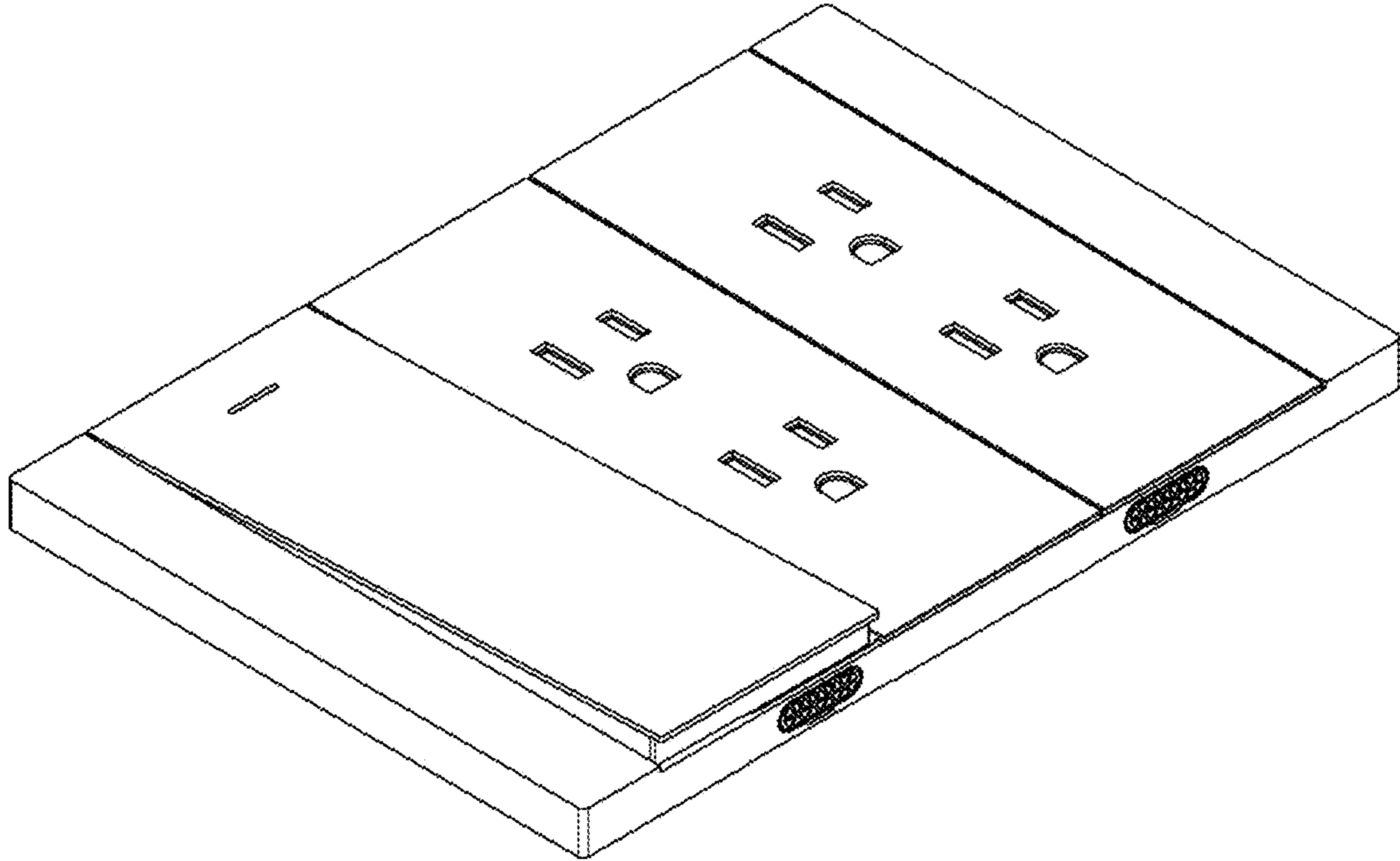


Fig. 24

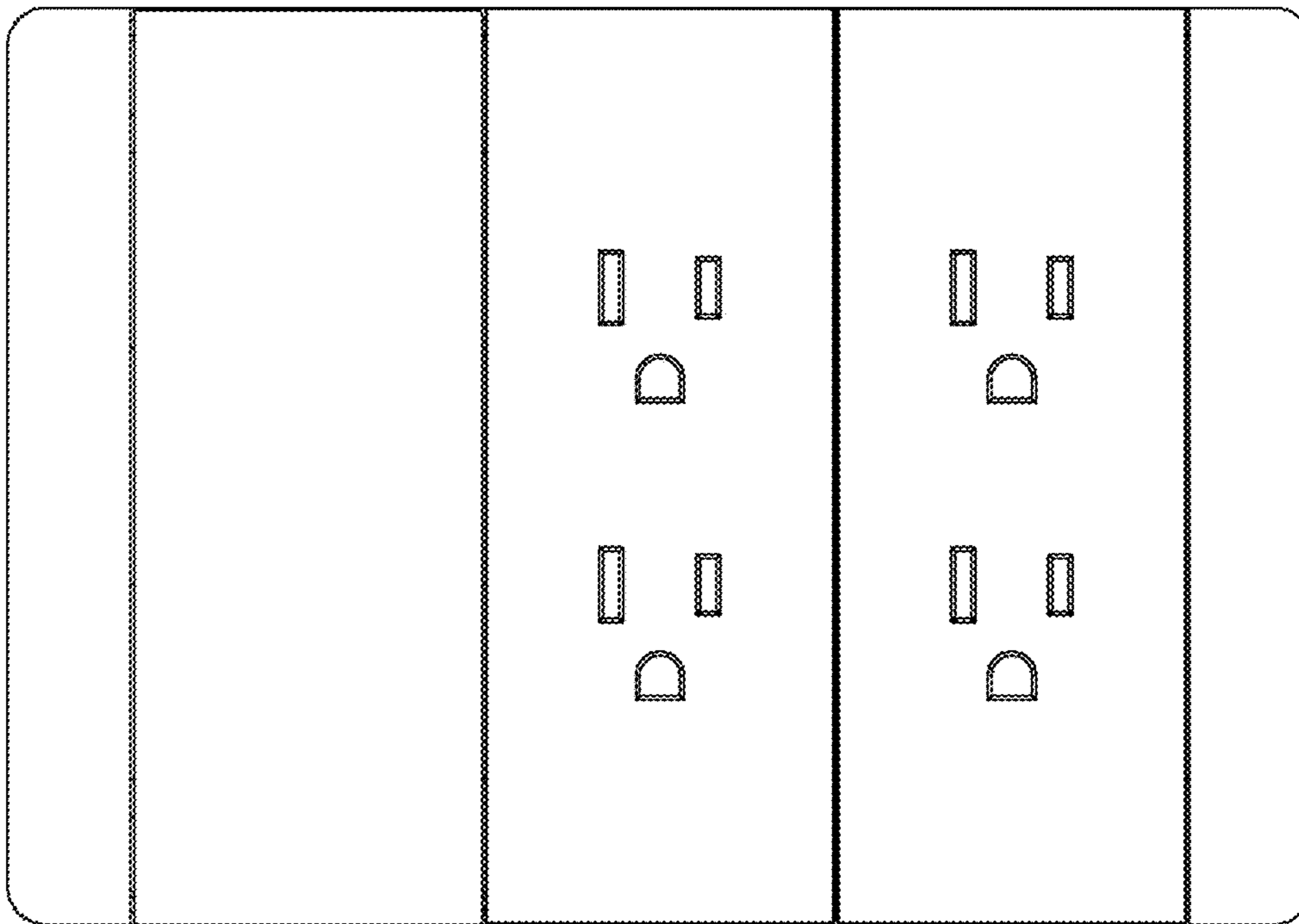


Fig. 25

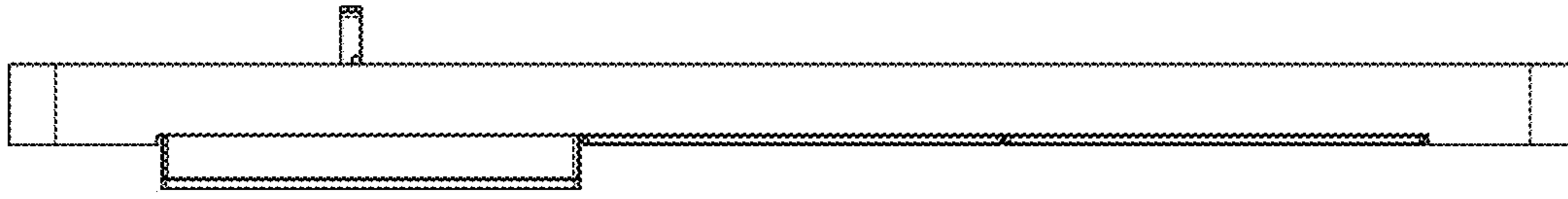


Fig. 26

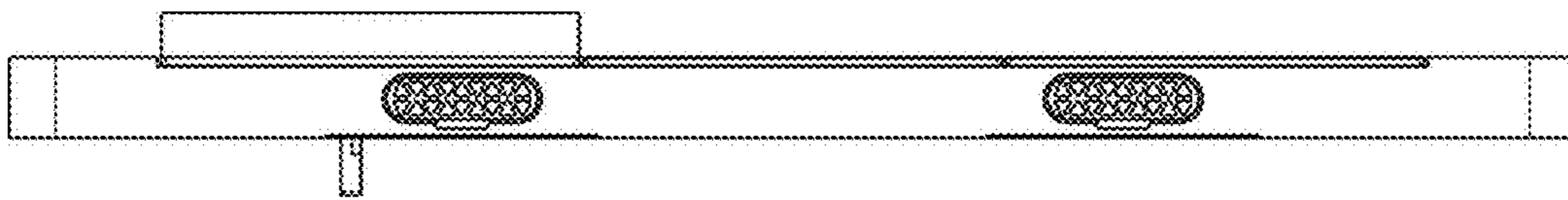


Fig. 27

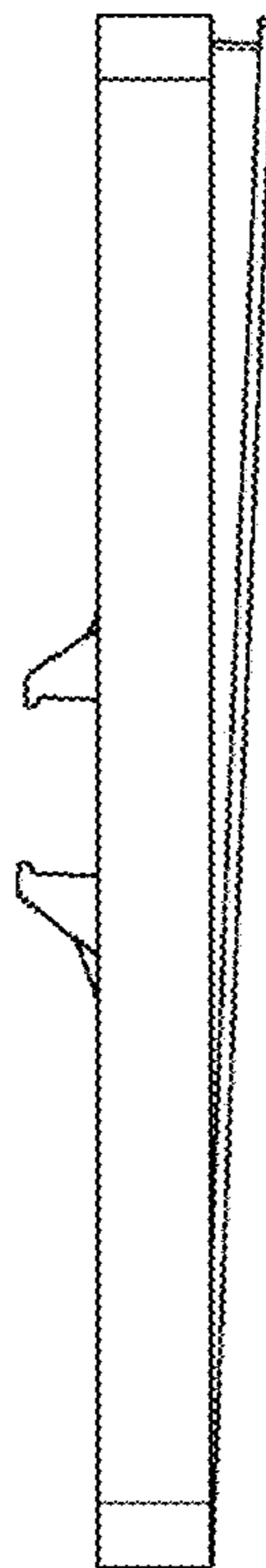


Fig. 28



Fig. 29

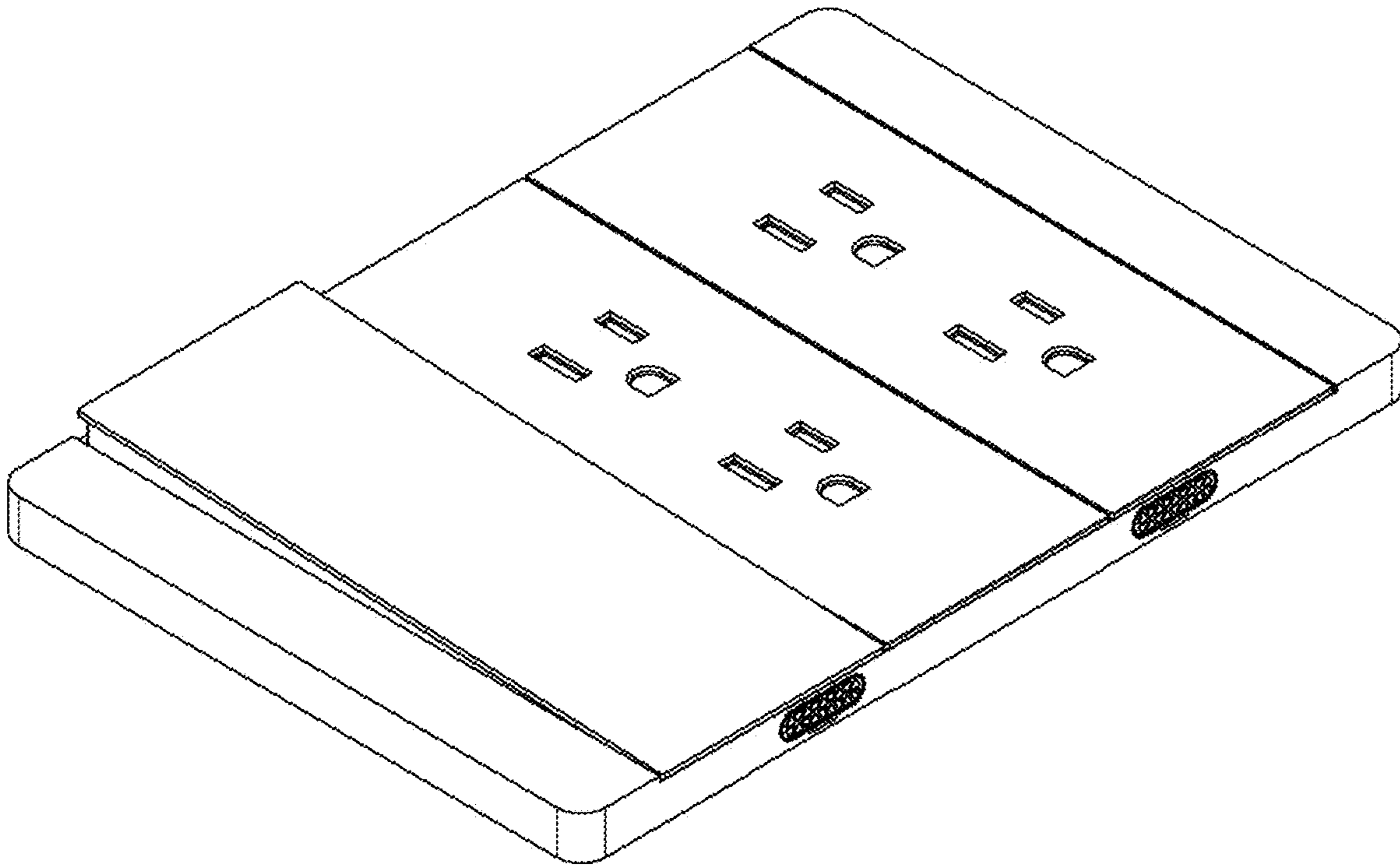


Fig. 30

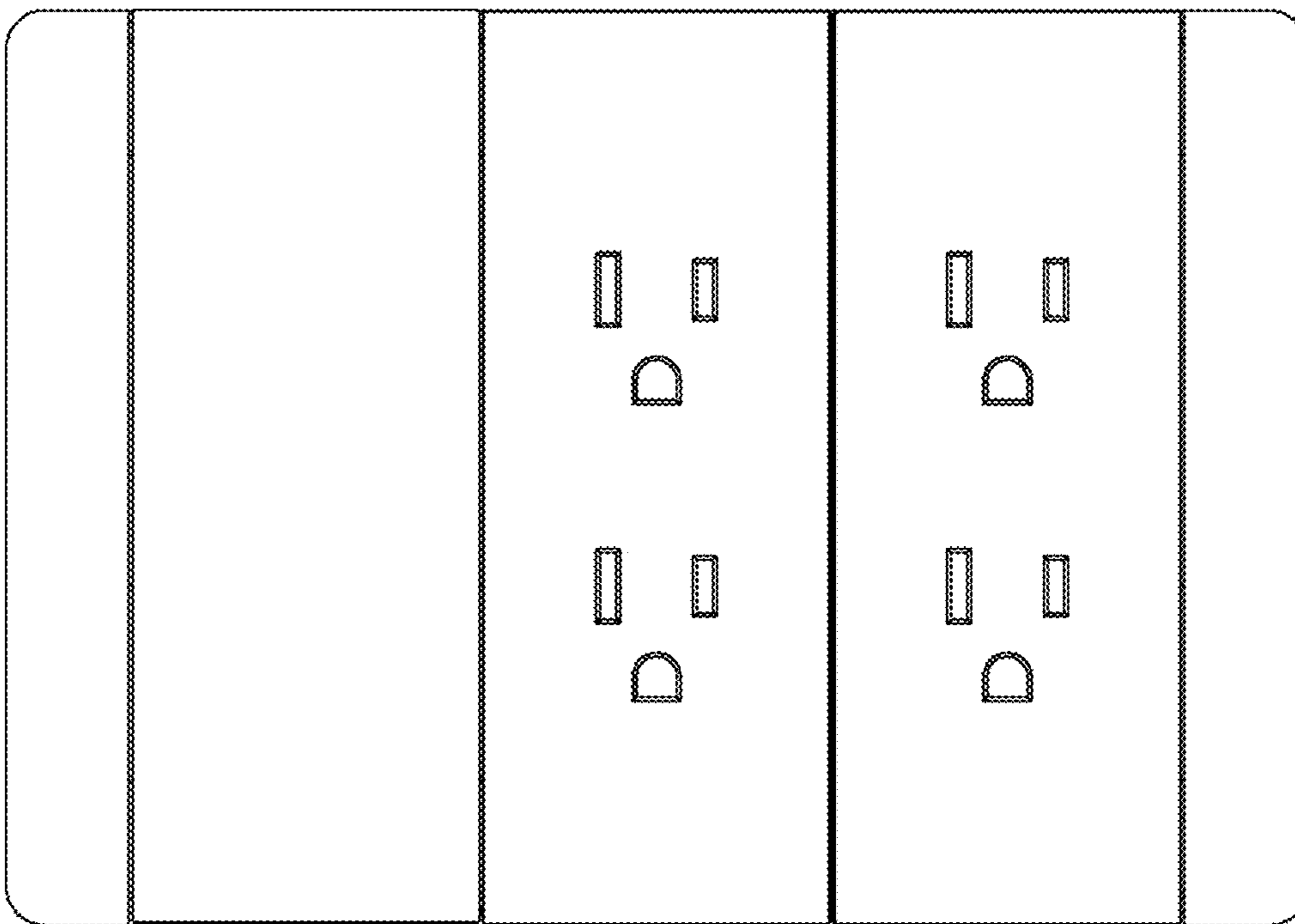


Fig. 31



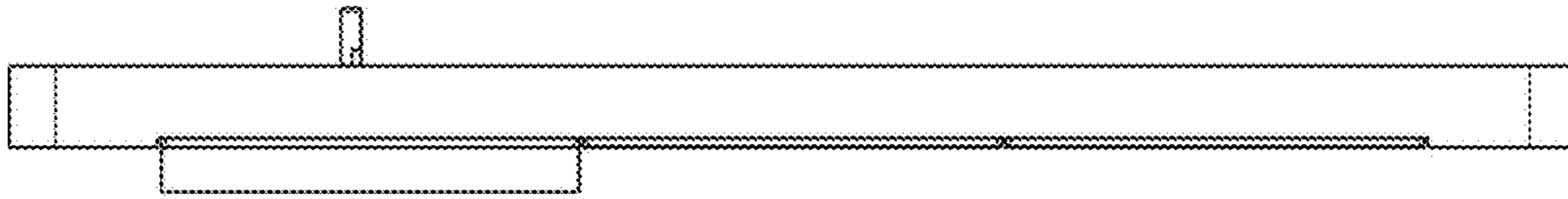


Fig. 32

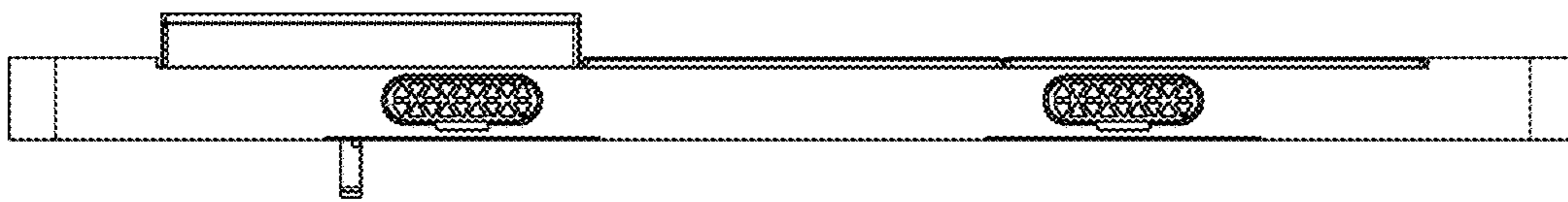


Fig. 33

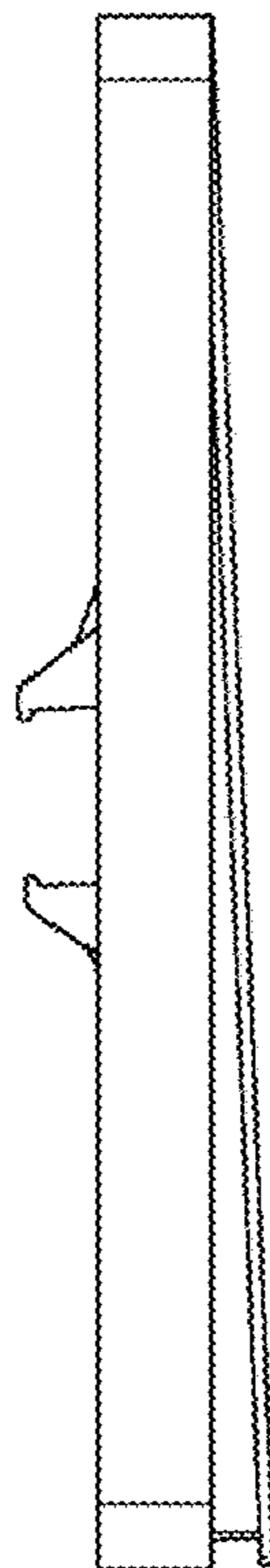


Fig. 34



Fig. 35

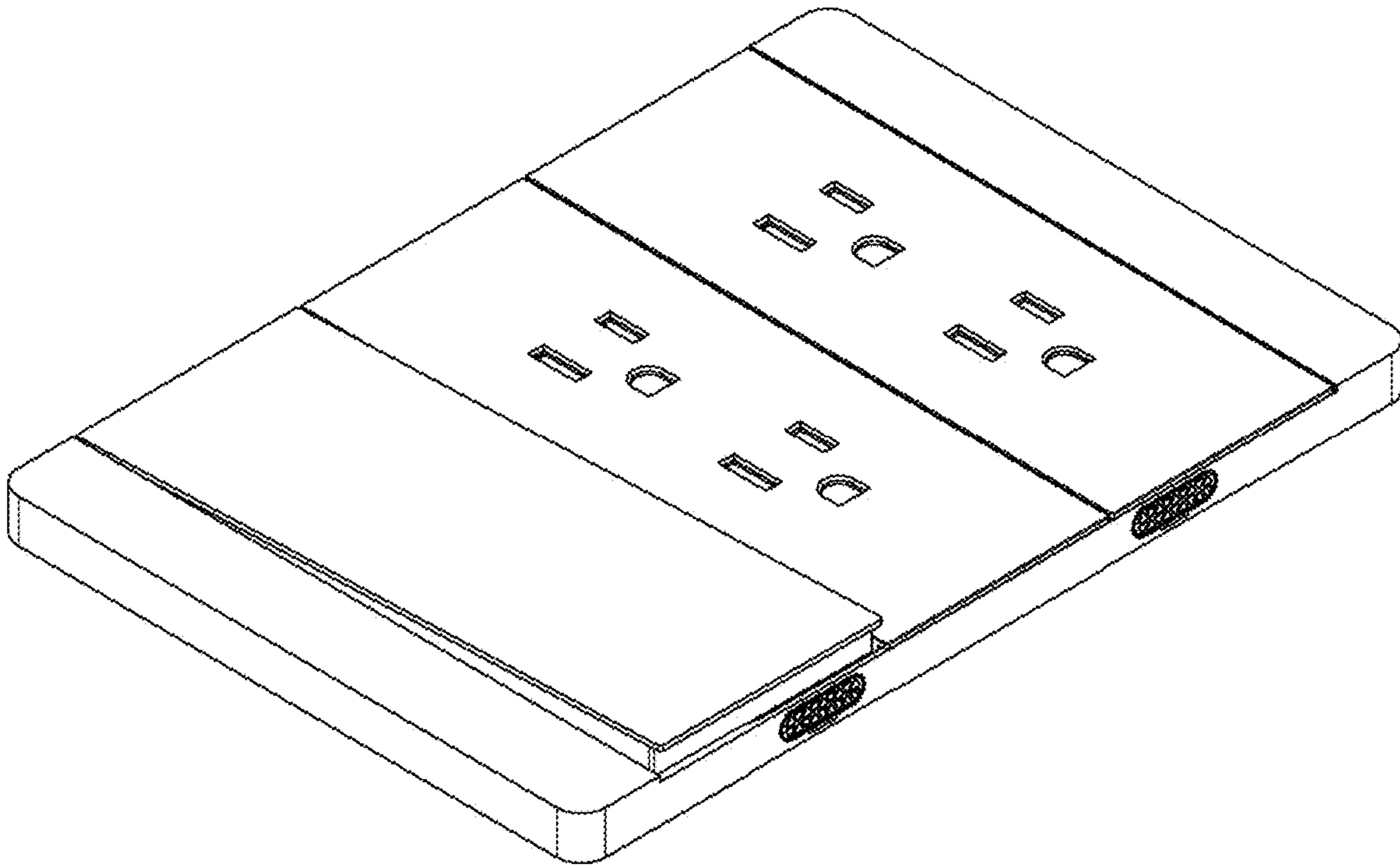


Fig. 36

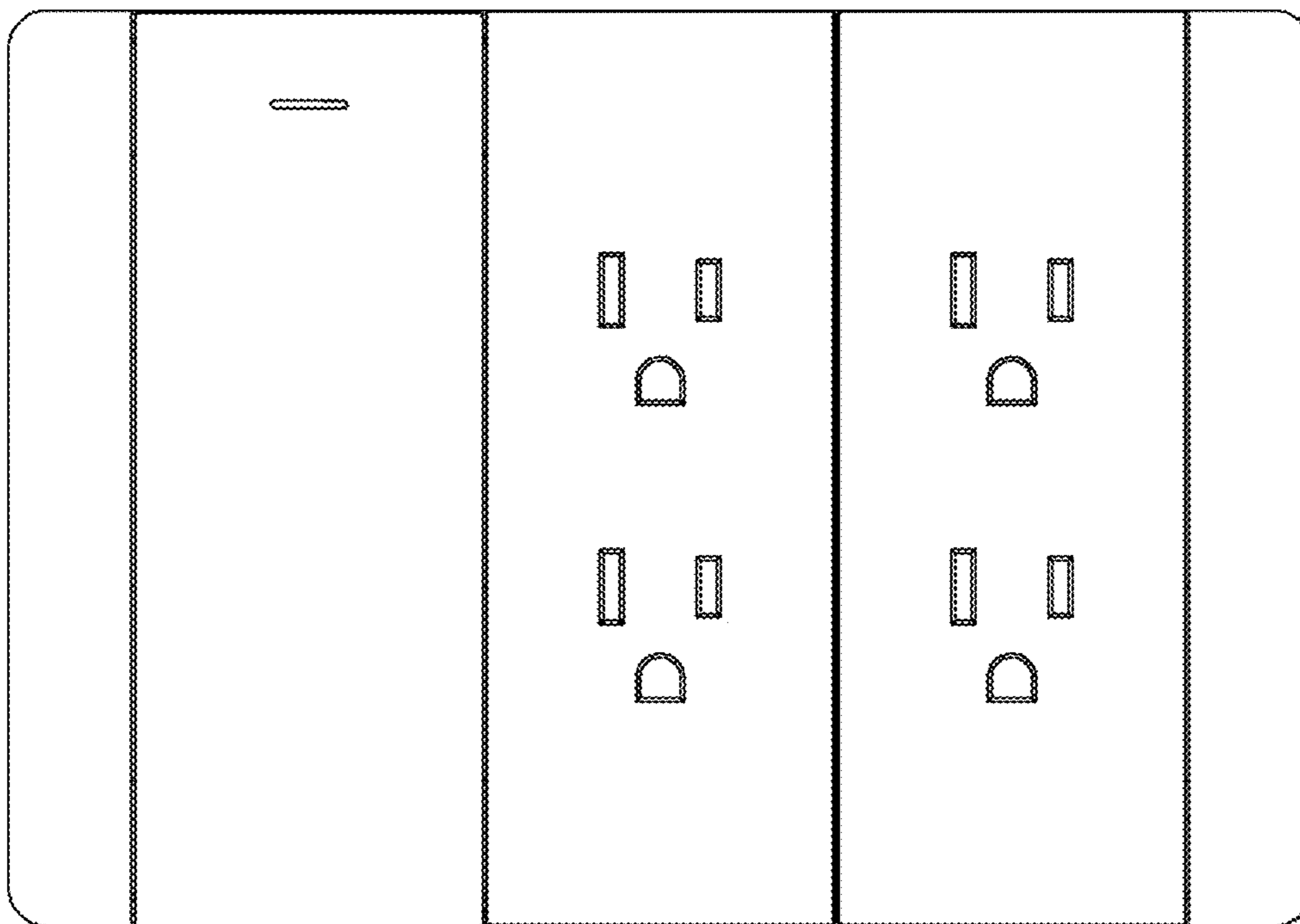


Fig. 37

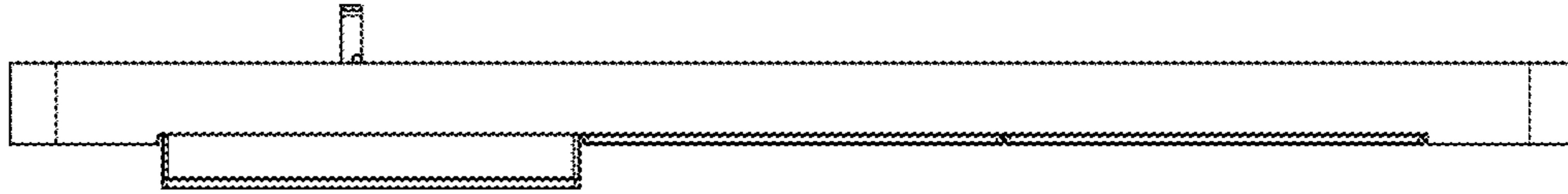


Fig. 38

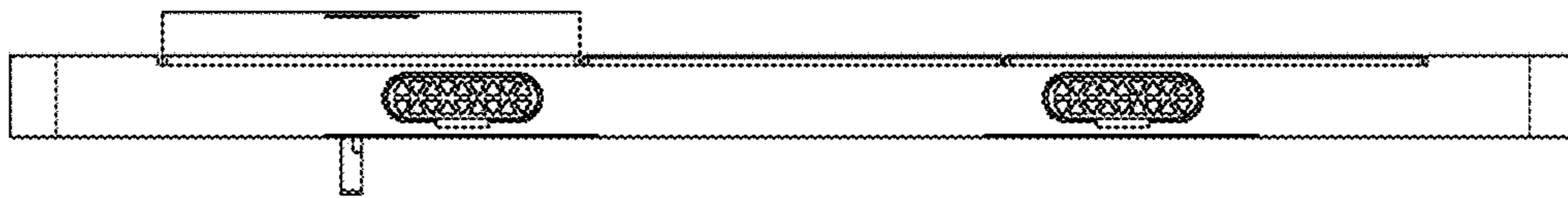


Fig. 39

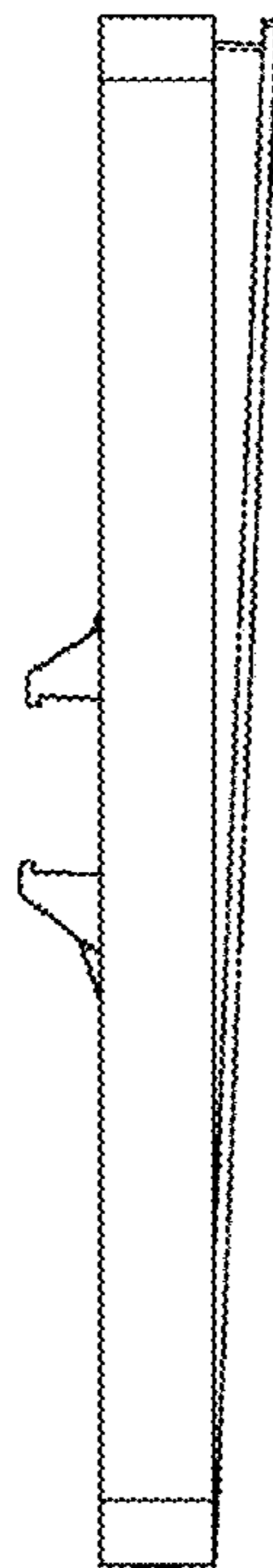


Fig. 40

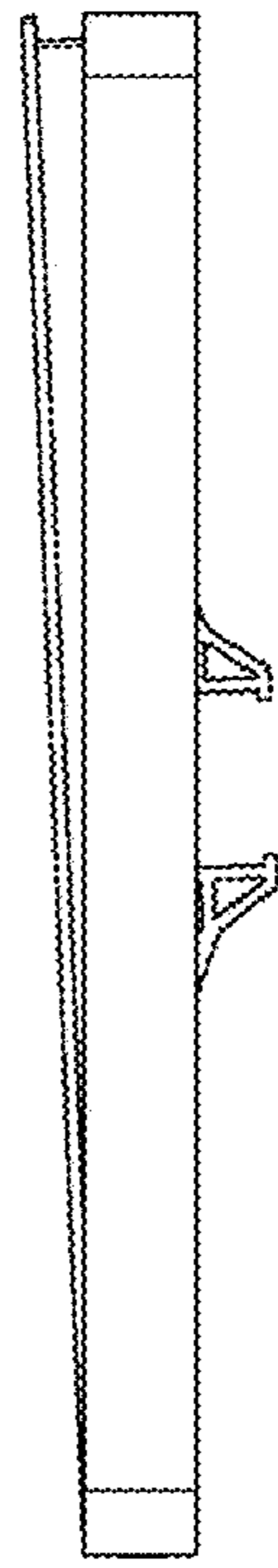


Fig. 41

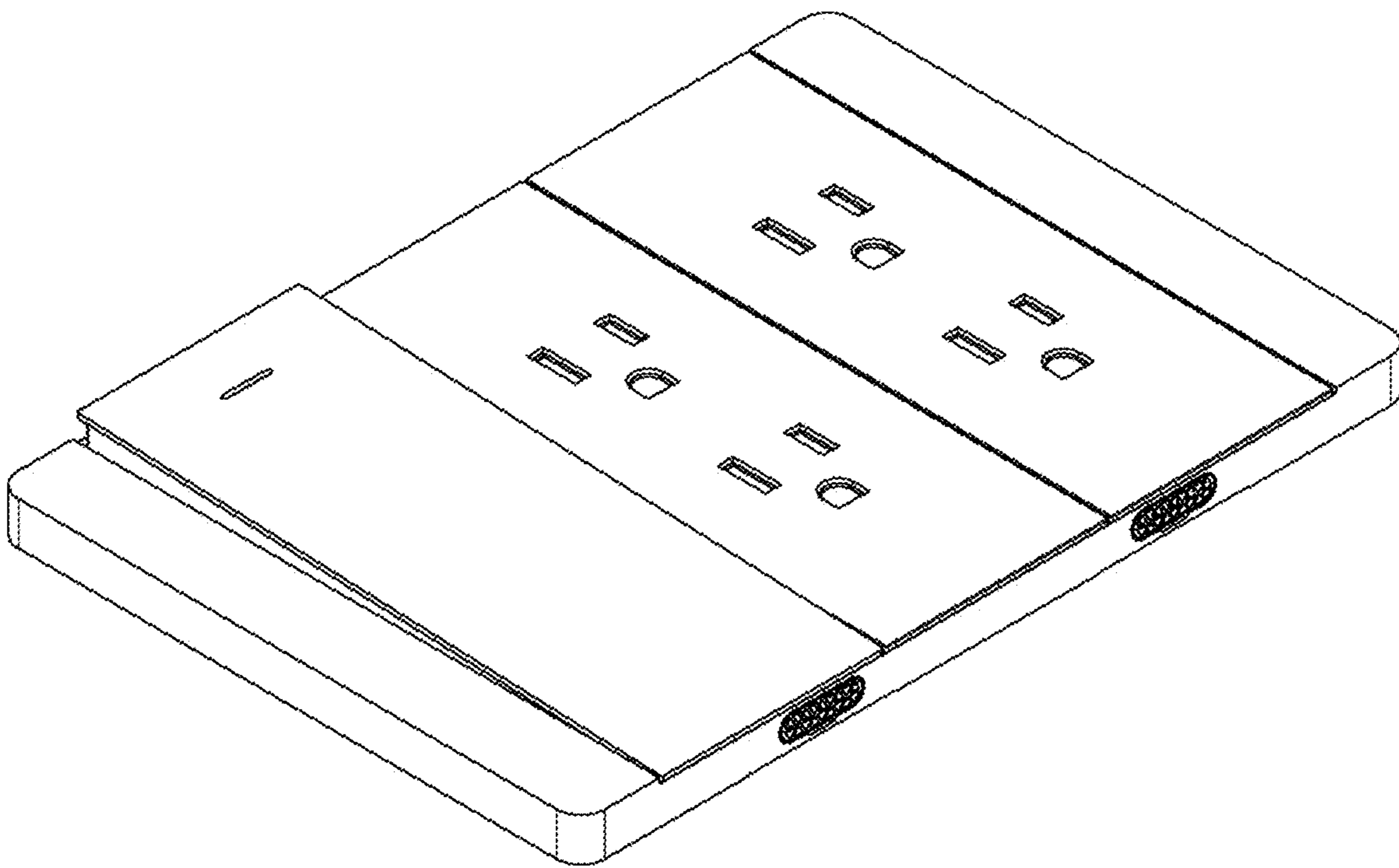


Fig. 42

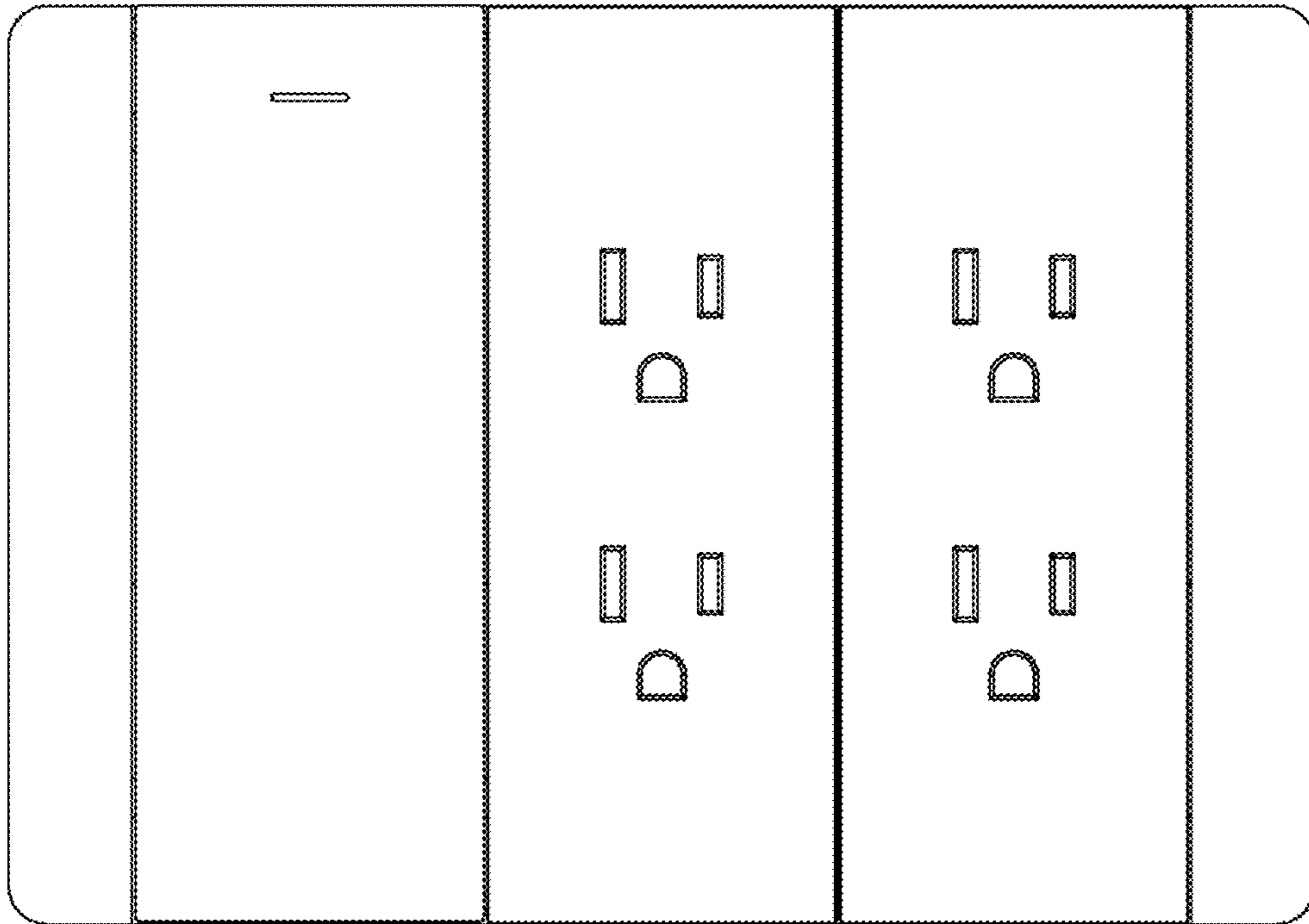


Fig. 43

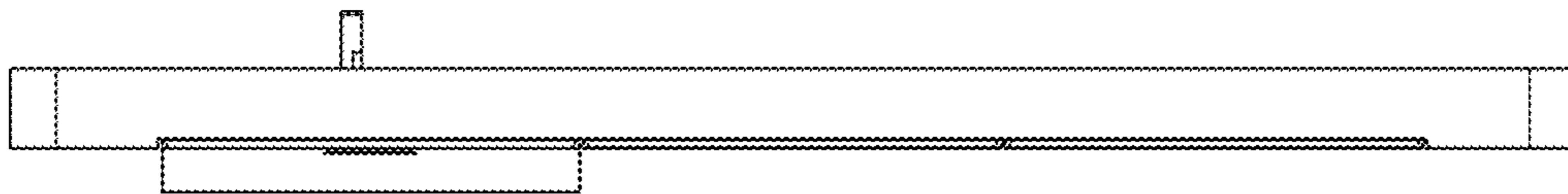


Fig. 44

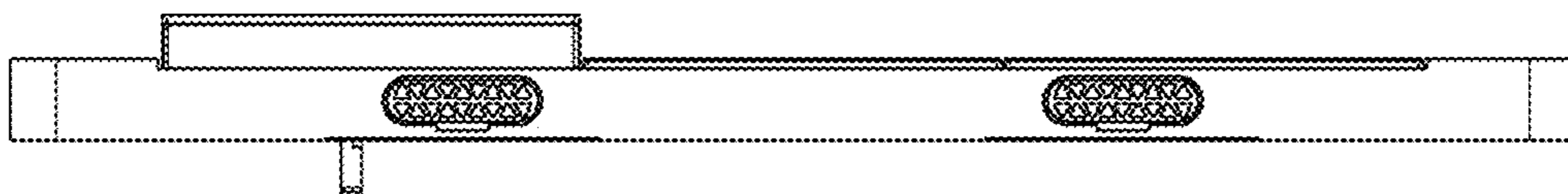


Fig. 45

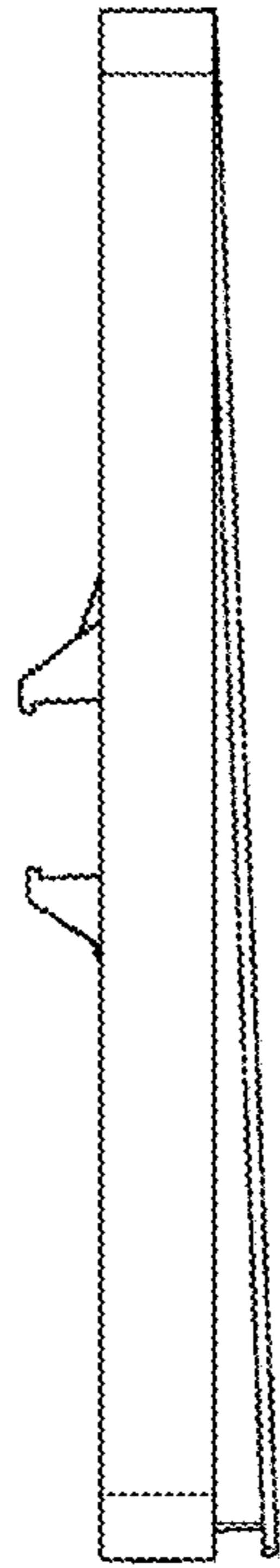


Fig. 46

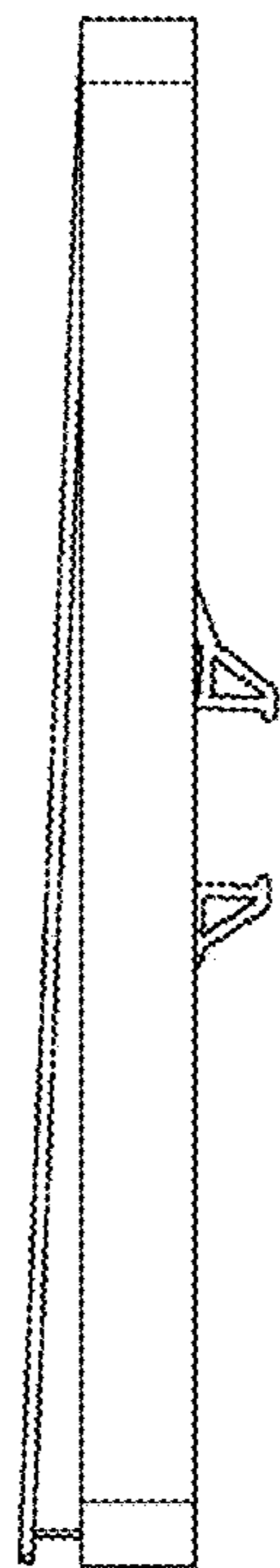


Fig. 47

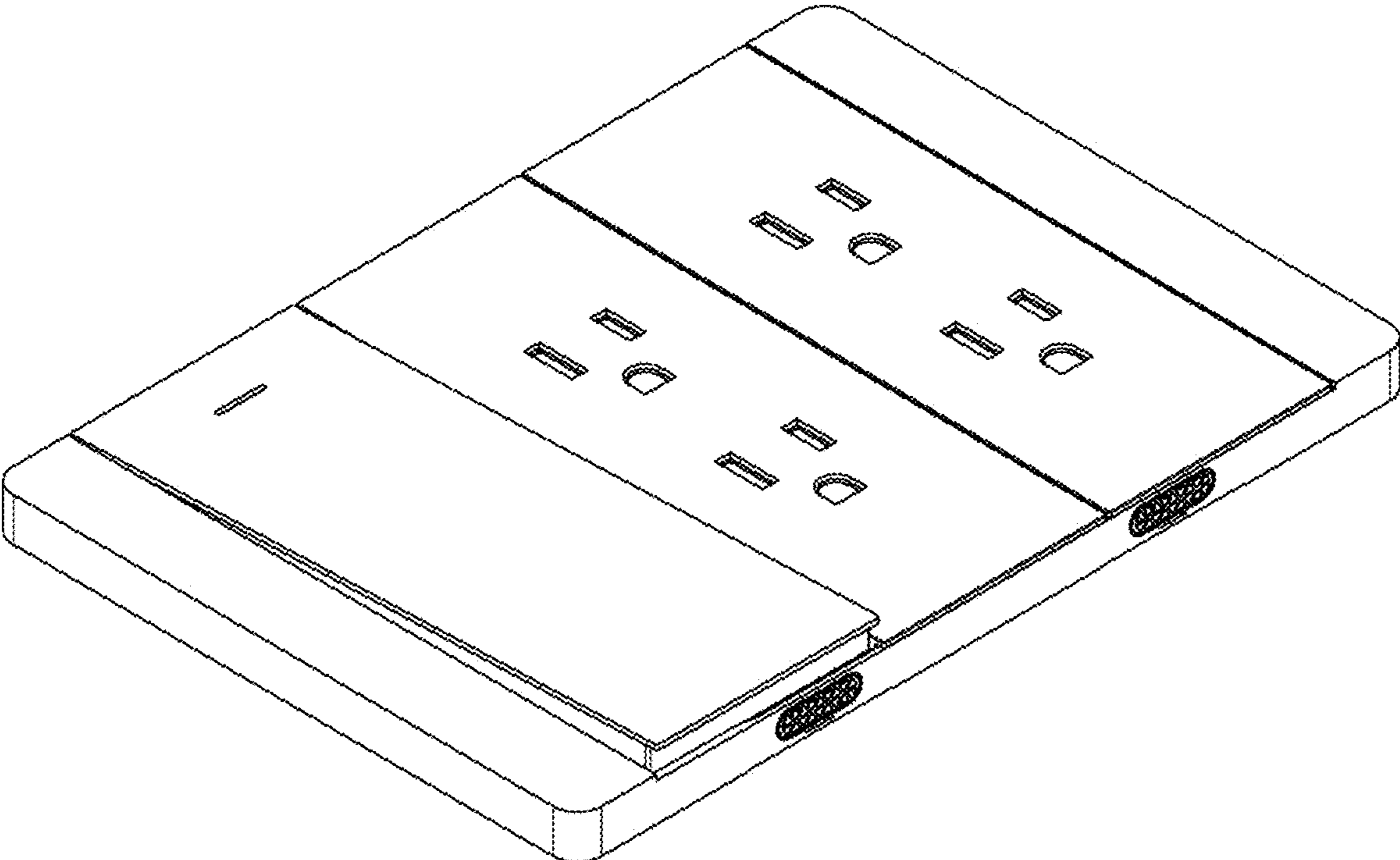


Fig. 48