



US00D931817S

(12) **United States Design Patent** (10) **Patent No.:** **US D931,817 S**
 Byrne et al. (45) **Date of Patent:** **** Sep. 28, 2021**

(54) **ELECTRICAL POWER UNIT FOR A WORK SURFACE**

(71) Applicants: **Norman R. Byrne**, Ada, MI (US);
Jorge Angulo Givaudan, Las Anguilas (MX); **Edith Chavez Ugalde**, Agricola Oriental (MX)

(72) Inventors: **Norman R. Byrne**, Ada, MI (US);
Jorge Angulo Givaudan, Las Anguilas (MX); **Edith Chavez Ugalde**, Agricola Oriental (MX)

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

(21) Appl. No.: **29/650,778**

(22) Filed: **Jun. 8, 2018**

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

(52) **U.S. Cl.**
USPC **D13/139.4**

(58) **Field of Classification Search**
USPC D13/103, 107, 108, 110, 123, 133,
D13/137.1-137.4, 138.1-138.2,
D13/139.1-139.8, 146, 147, 151-156,
D13/184, 199
CPC H01R 11/00; H01R 9/00; H01R 13/00;
H01R 13/04; H01R 13/10; H01R
13/6666; H01R 13/6675; H01R 25/00;
H01R 25/006; H01H 2207/00; H01H
2207/022; Y02E 60/12; Y02E 60/122;
Y02E 60/124; Y02E 60/50; H01M 2/02;
H01M 2/022; H01M 2/0202; H01M
2/0207; H01M 2/0212; H01M 2/1061;
H01M 2/1022; H01M 2/1055; H01M
2/1066; H01M 2/105; H01M 2/204; H02J
7/00; H02J 7/0003; H02J 7/0011; H02J
7/0013; H02J 7/0054; H02J 7/0055; H02J
7/0057; Y02T 10/7005; Y02T 10/705;
Y02T 10/7088; B60L 11/1809; B60L
11/1861

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

676,622 A	6/1901	Gochnauer
2,811,574 A	10/1957	Guerrero
2,861,857 A	11/1958	Lee et al.
3,131,512 A	5/1964	MacLeod
3,353,137 A	11/1967	Miller
3,433,886 A	3/1969	Meyers
3,622,684 A	11/1971	Press
3,646,244 A	2/1972	Cole
3,794,956 A	2/1974	Dubreuil
3,892,095 A	7/1975	Vankuik et al.
3,972,579 A	8/1976	Kohaut
3,992,070 A	11/1976	Dunn et al.

(Continued)

Primary Examiner — Christy Nemeth

(74) *Attorney, Agent, or Firm* — Gardner, Linn, Burkhardt & Ondersma LLP

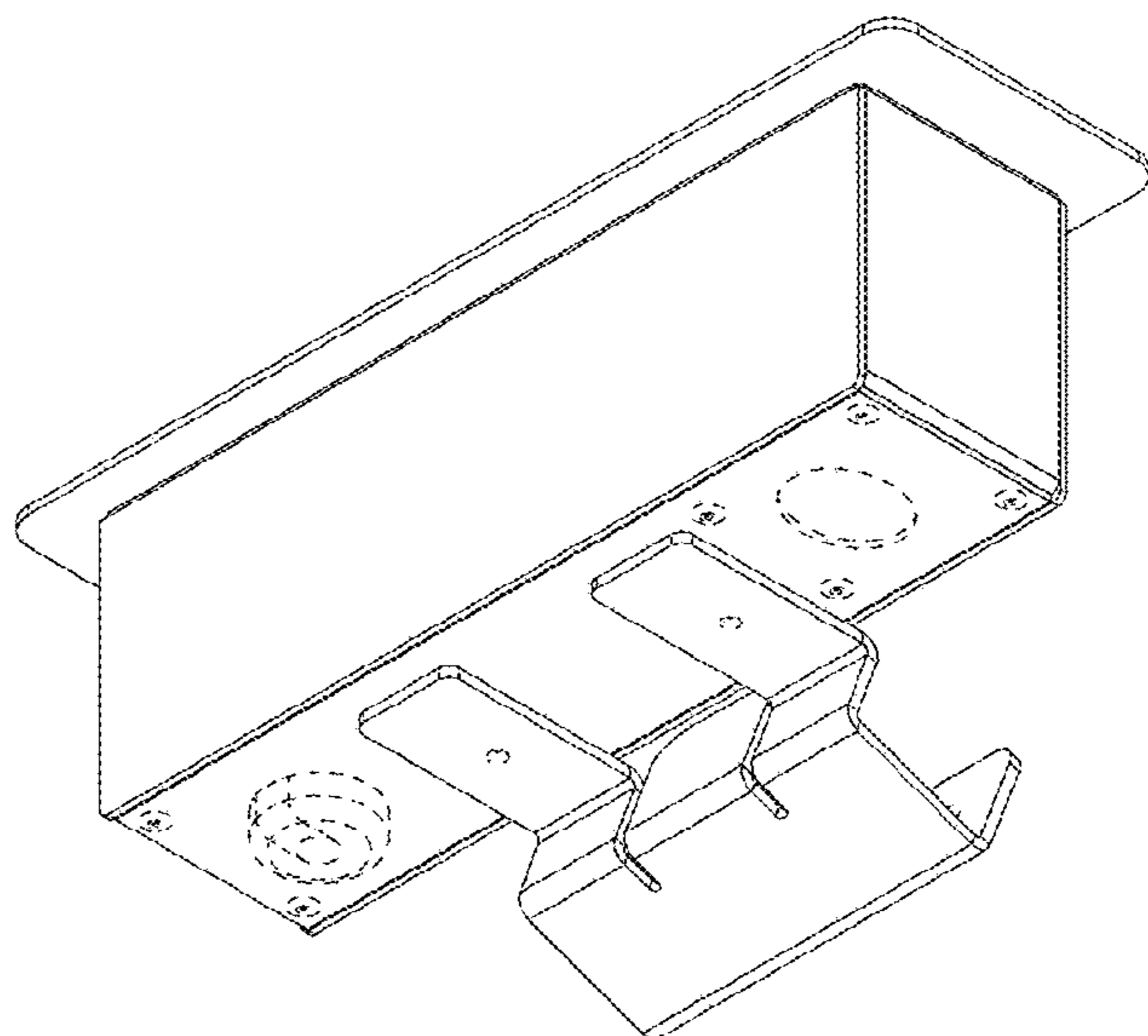
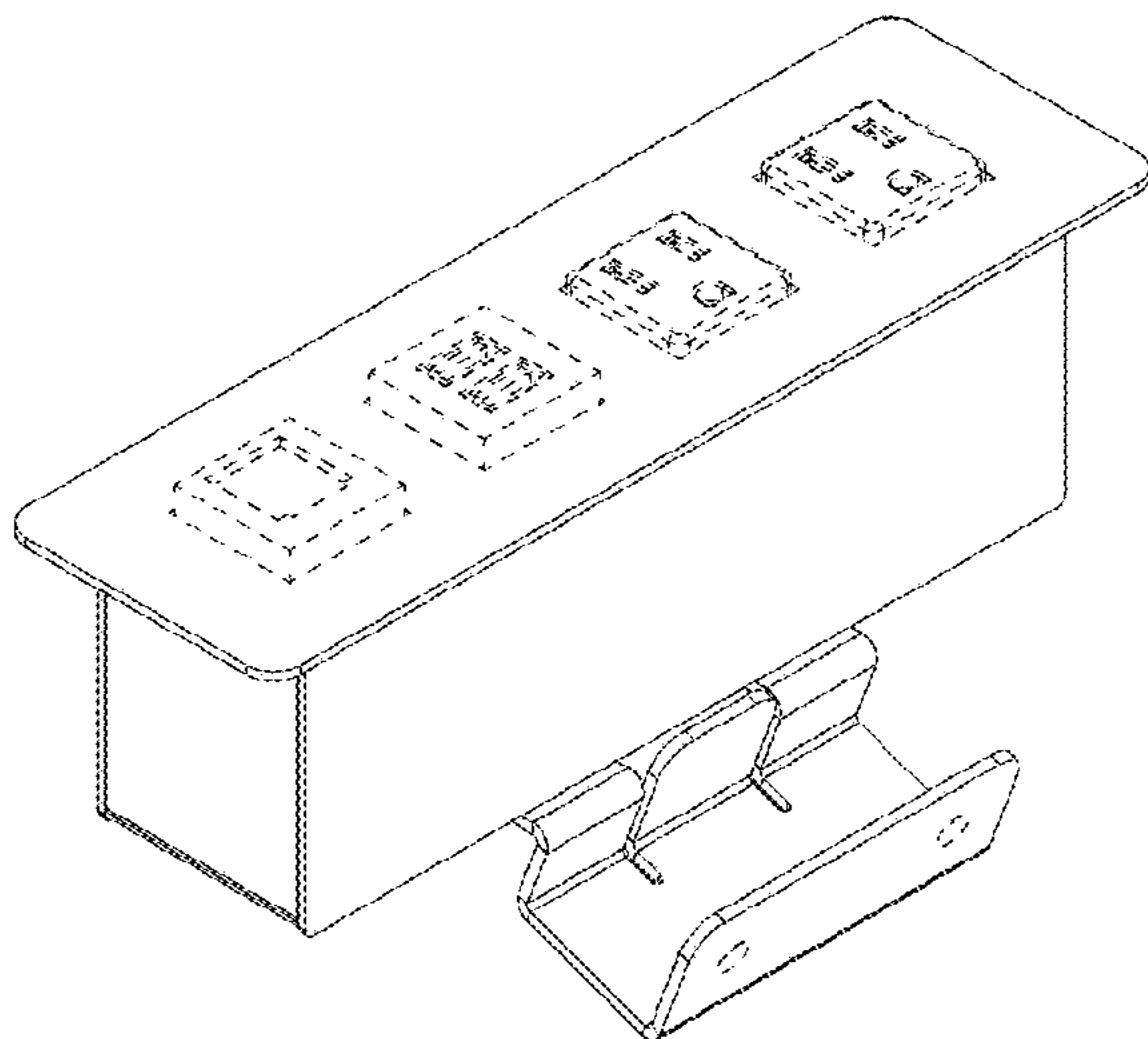
(57) **CLAIM**

The ornamental design for an electrical power unit for a work surface, as shown and described.

DESCRIPTION

FIG. 1 is a front, bottom, right side perspective view of an electrical power unit for a work surface;
 FIG. 2 is a front, top, right side perspective view thereof;
 FIG. 3 is a rear, top, right side perspective view thereof;
 FIG. 4 is a rear, bottom, right side perspective view thereof;
 FIG. 5 is a front elevation view thereof;
 FIG. 6 is a rear elevation view thereof;
 FIG. 7 is a top plan view thereof;
 FIG. 8 is a bottom plan view thereof;
 FIG. 9 is a right side elevation view thereof; and,
 FIG. 10 is a left side elevation view thereof.
 The broken lines in the drawings are for the purpose of illustrating portions of the electrical power unit for a work surface that form no part of the claimed design.

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

4,059,321 A 11/1977 Rasmussen et al.
 4,272,643 A 6/1981 Carroll et al.
 4,372,629 A 2/1983 Propst et al.
 4,551,198 A 11/1985 Wiley
 4,551,577 A 11/1985 Byrne
 4,747,788 A 5/1988 Byrne
 4,792,881 A 12/1988 Wilson et al.
 4,828,513 A 5/1989 Morrison et al.
 D301,576 S 6/1989 Wang
 4,967,041 A 10/1990 Bowman
 4,984,982 A 1/1991 Brownlie et al.
 4,986,762 A 1/1991 Keith
 5,023,396 A 6/1991 Bartee et al.
 5,114,365 A 5/1992 Thompson et al.
 5,122,069 A 6/1992 Brownlie et al.
 5,230,552 A 7/1993 Schipper et al.
 5,231,562 A 7/1993 Pierce et al.
 D350,939 S 9/1994 Rossman et al.
 5,351,173 A 9/1994 Byrne
 D353,363 S 12/1994 Toby
 D355,890 S 2/1995 Lentz
 5,387,761 A 2/1995 Simonis
 5,516,298 A 5/1996 Smith
 D370,622 S 6/1996 Byrne
 D372,018 S 7/1996 Byrne
 5,705,772 A 1/1998 Brown
 5,709,156 A 1/1998 Gevaert et al.
 D392,254 S 3/1998 Gevaert
 5,757,668 A 5/1998 Zhu
 D412,698 S 8/1999 Byrne
 6,004,157 A * 12/1999 Glass A47B 21/06
 439/535
 6,028,267 A 2/2000 Byrne
 D436,922 S 1/2001 Stekelenburg
 D444,126 S 6/2001 Chura et al.
 D446,188 S 8/2001 Gershfeld
 D446,189 S 8/2001 Lee

D446,503 S 8/2001 Lee
 6,290,518 B1 9/2001 Byrne
 D449,819 S 10/2001 Gershfeld
 6,379,182 B1 * 4/2002 Byrne H01R 13/73
 439/574
 D457,137 S 5/2002 Gershfeld
 D467,875 S 12/2002 Barger et al.
 D472,213 S 3/2003 Byrne
 D484,098 S 12/2003 Lee
 D535,257 S * 1/2007 Byrne D13/139.4
 7,182,633 B2 2/2007 Byrne
 7,559,795 B2 7/2009 Byrne
 D721,712 S 1/2015 Byrne et al.
 9,148,006 B2 * 9/2015 Byrne H02G 3/18
 D740,228 S * 10/2015 Page D13/139.4
 D740,229 S * 10/2015 Page D13/139.4
 9,368,924 B2 6/2016 Byrne et al.
 D761,732 S 7/2016 Byrne et al.
 D762,175 S 7/2016 Byrne et al.
 9,755,385 B1 * 9/2017 Kondas H02G 3/185
 9,804,652 B2 * 10/2017 Volek G06F 1/1632
 D816,037 S 4/2018 Byrne et al.
 10,116,094 B2 * 10/2018 Byrne H01R 43/26
 D840,347 S * 2/2019 Byrne D13/139.4
 D848,371 S * 5/2019 Byrne D13/139.4
 D856,284 S * 8/2019 Byrne D13/139.4
 D856,937 S * 8/2019 Rupert D13/139.4
 D869,397 S * 12/2019 Hayes A47B 9/00
 D13/137.2
 10,547,188 B2 1/2020 Byrne et al.
 D874,404 S * 2/2020 Byrne D13/139.4
 D887,363 S * 6/2020 Byrne D13/139.4
 D902,862 S * 11/2020 Rupert D13/137.1
 10,873,167 B2 * 12/2020 Byrne A47B 21/06
 D911,975 S * 3/2021 Maranto D13/139.8
 2019/0372357 A1 * 12/2019 Byrne H02J 7/007
 2020/0381882 A1 * 12/2020 Byrne H01R 13/46
 2020/0388972 A1 * 12/2020 Byrne H01R 13/665
 2021/0135390 A1 * 5/2021 Byrne H01R 31/02

* cited by examiner

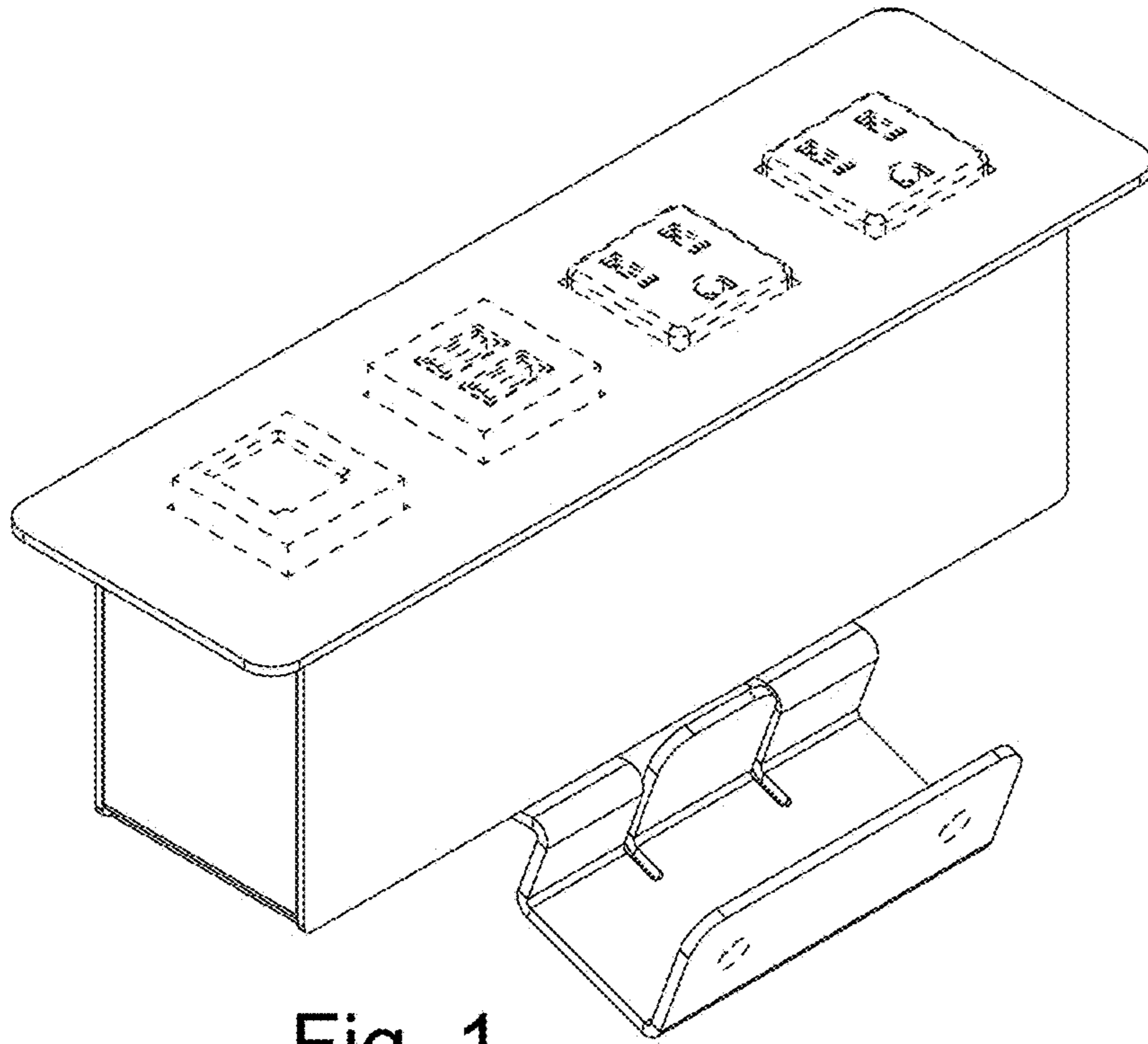


Fig. 1

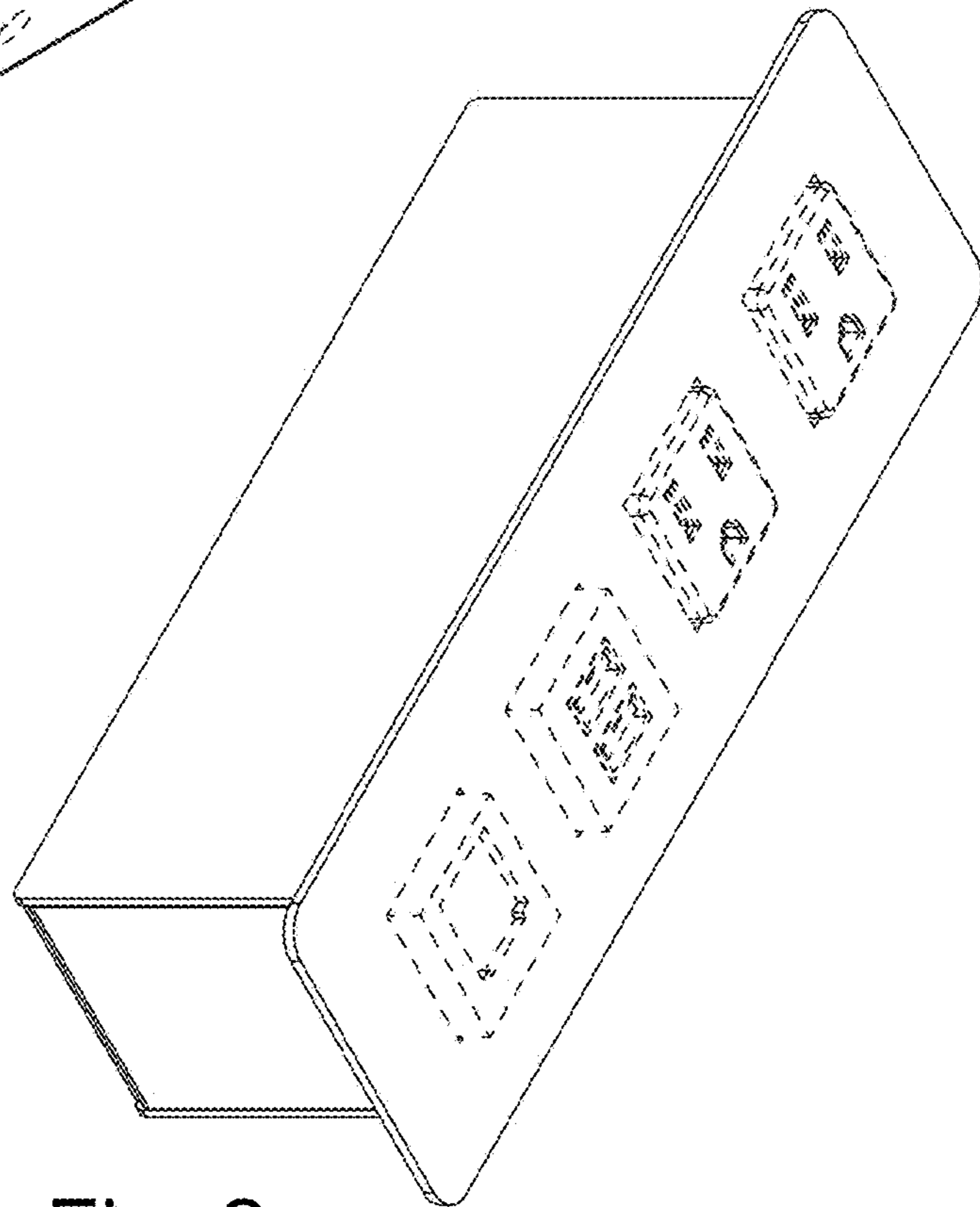


Fig. 2

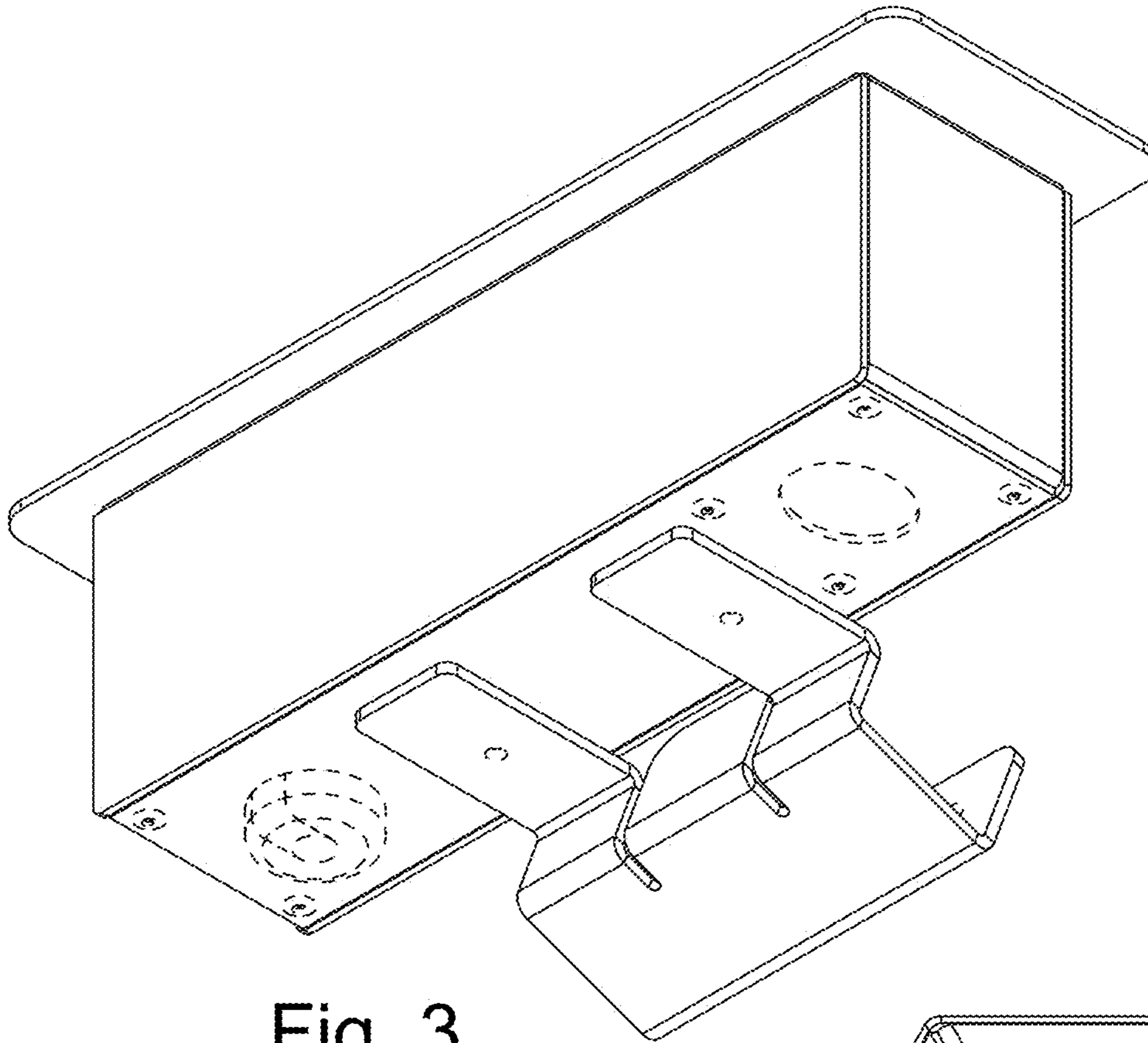


Fig. 3

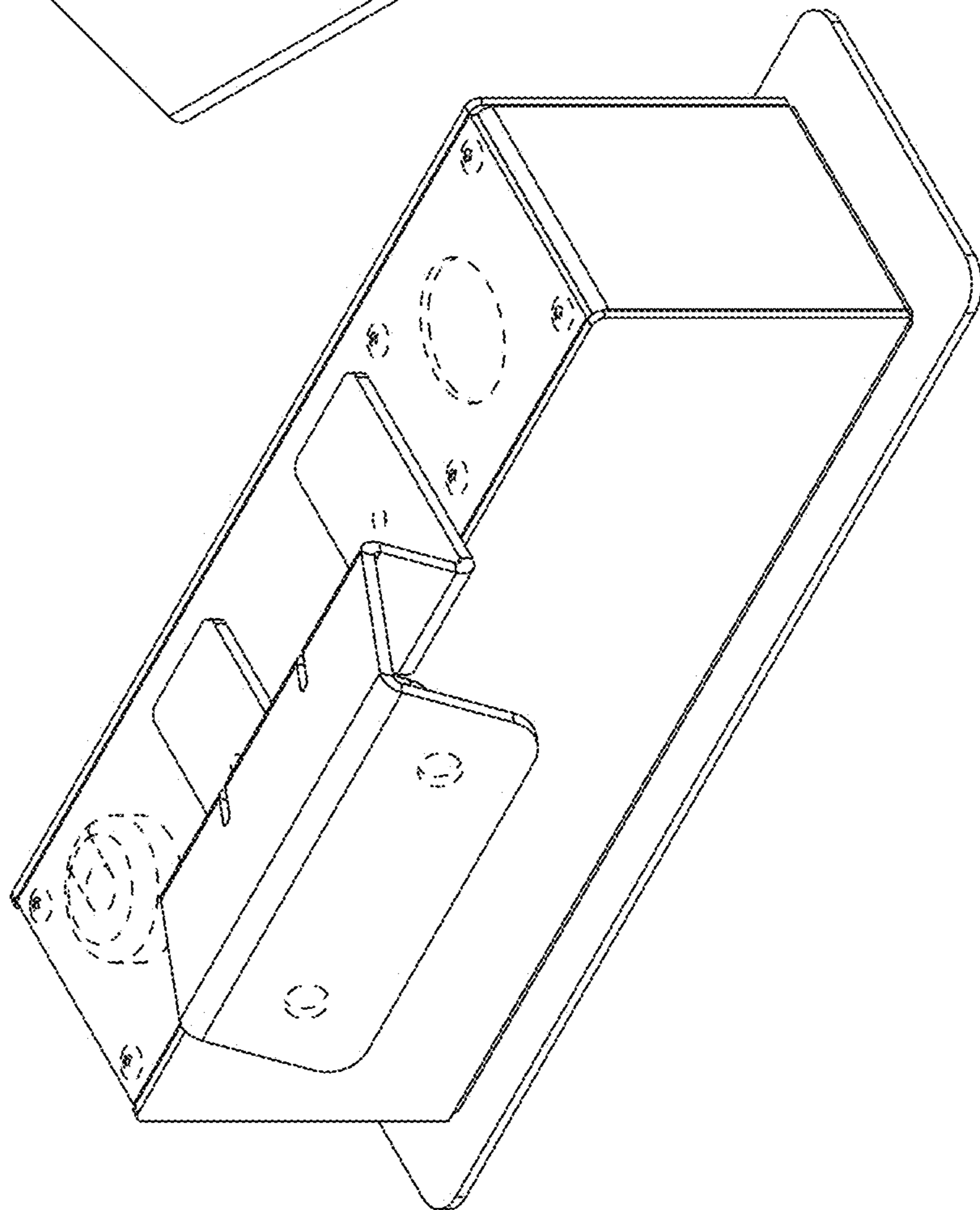


Fig. 4

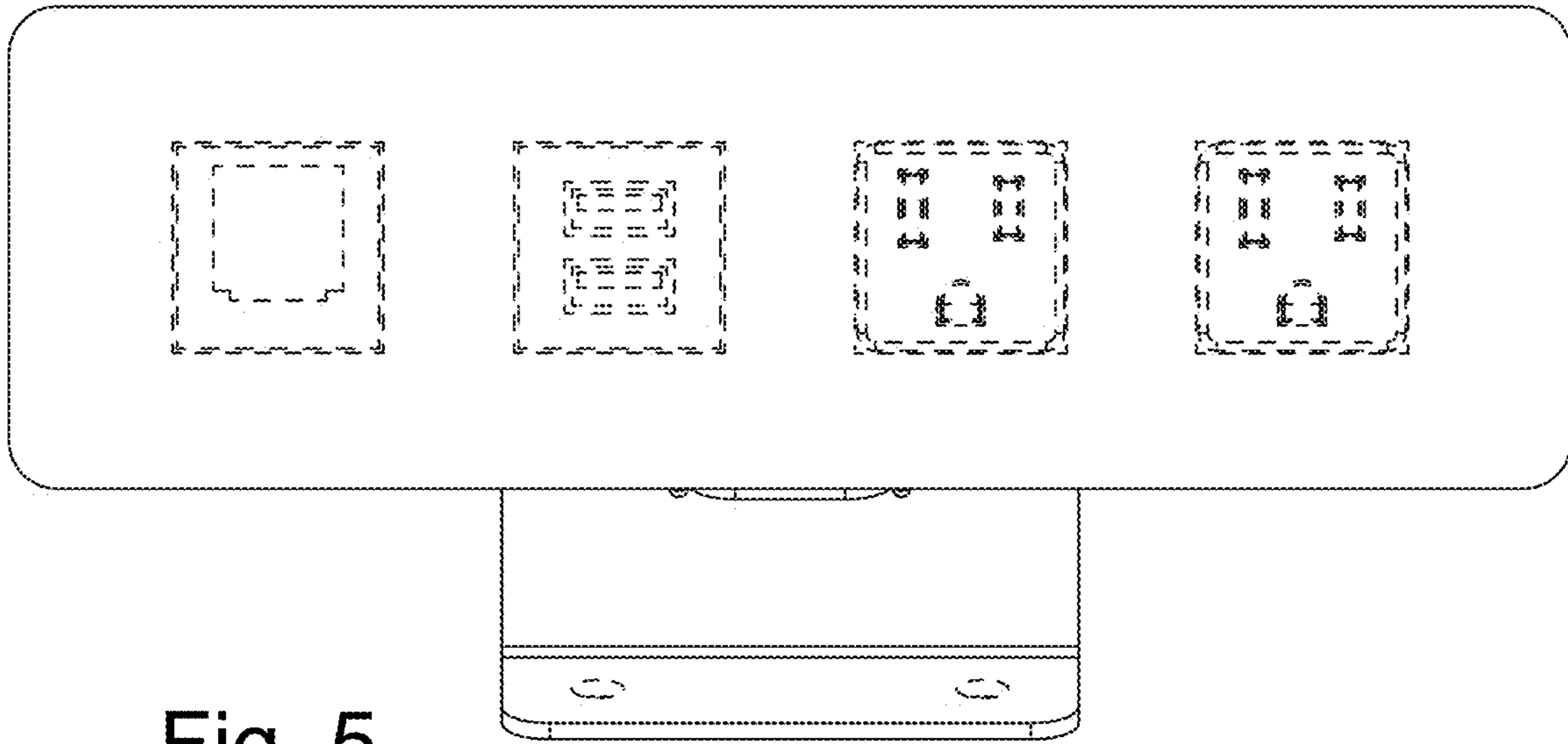


Fig. 5

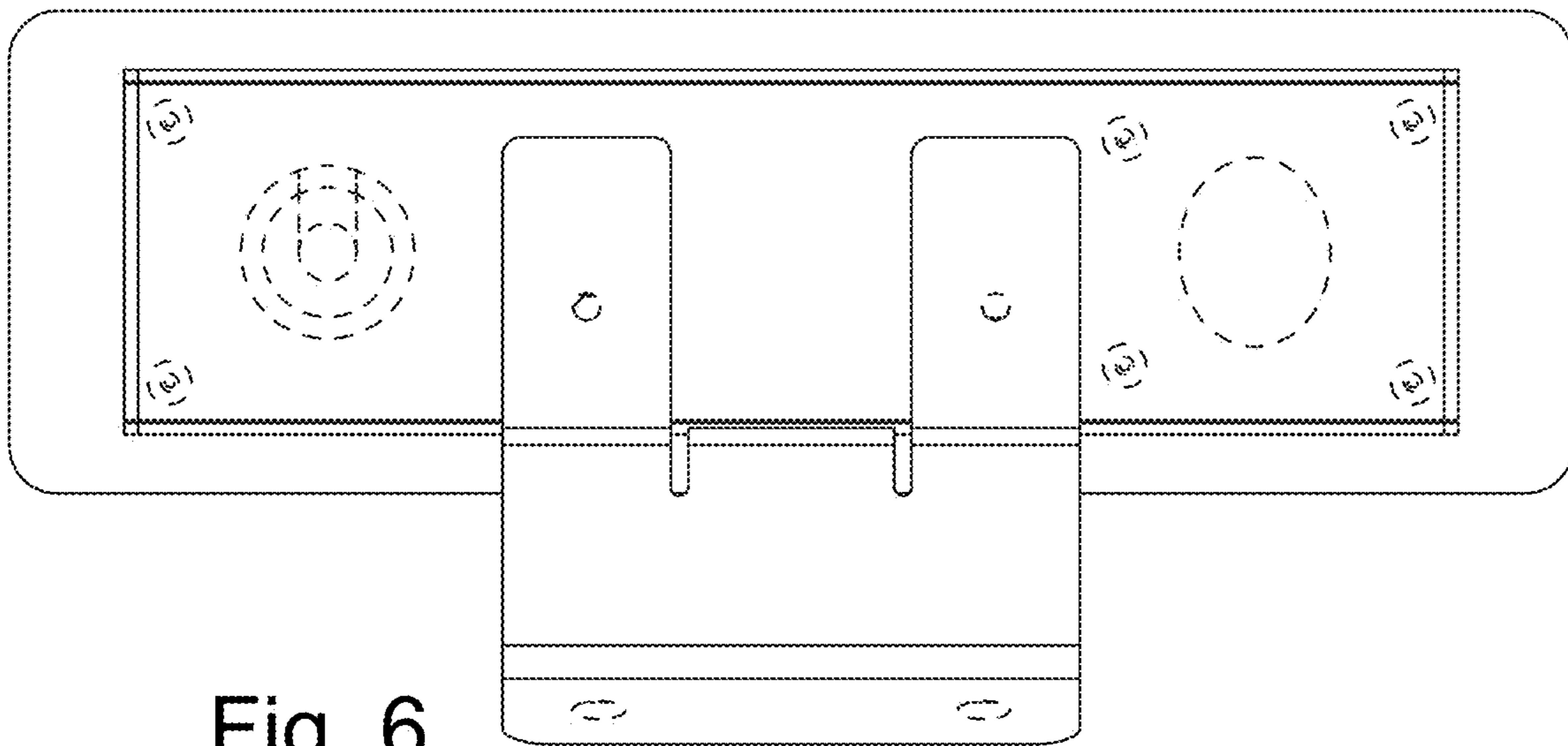


Fig. 6

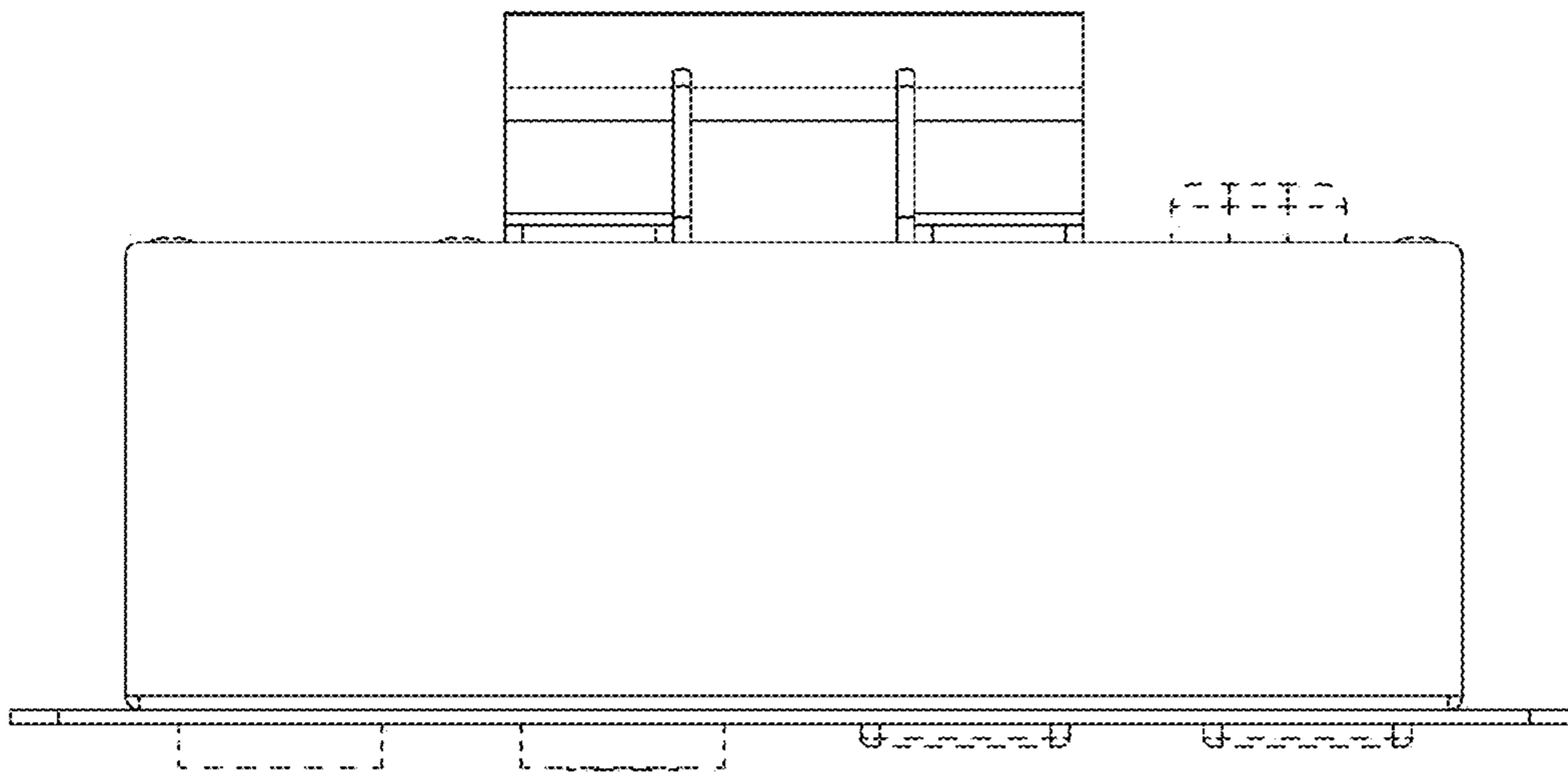


Fig. 7

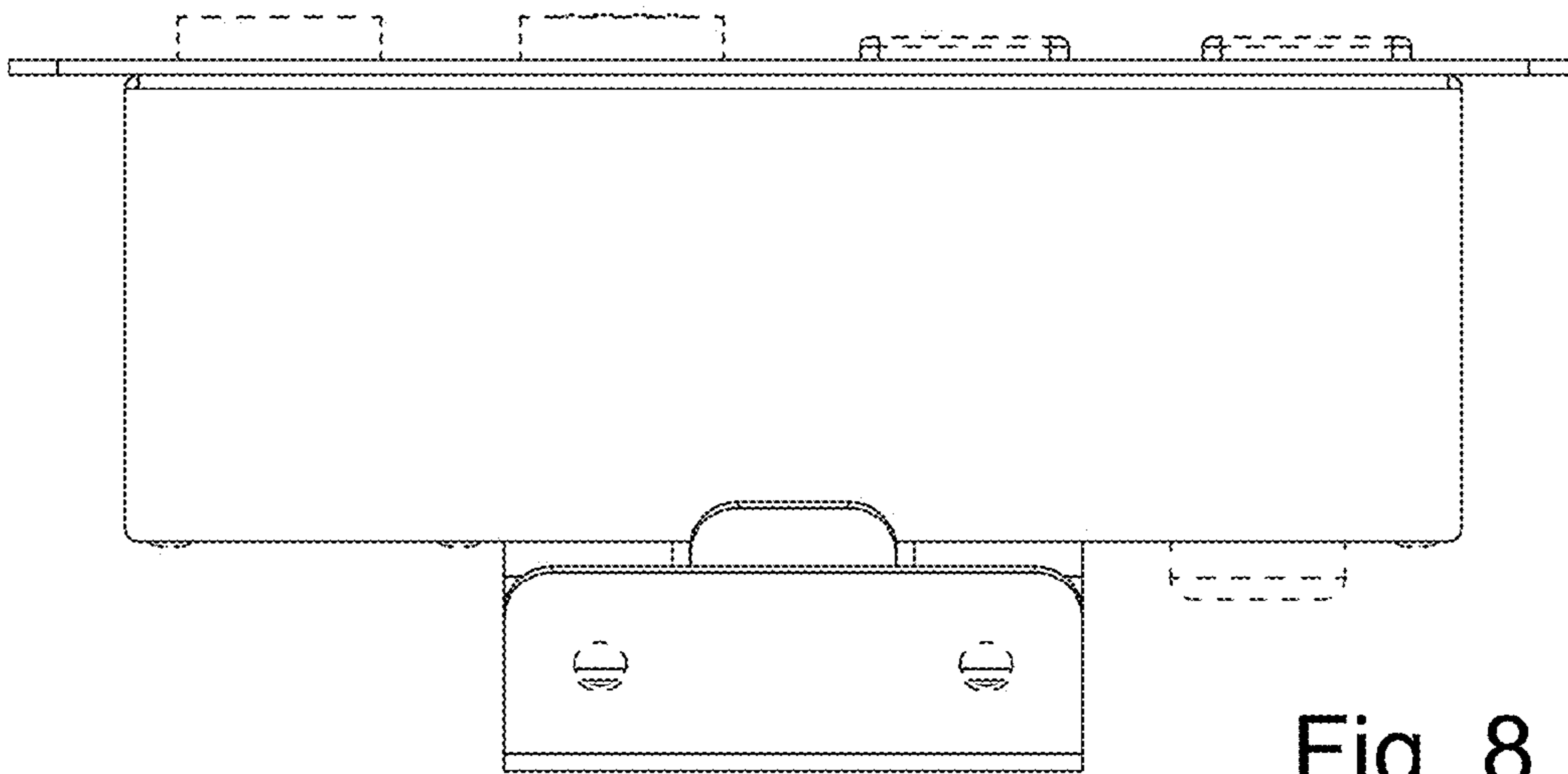


Fig. 8

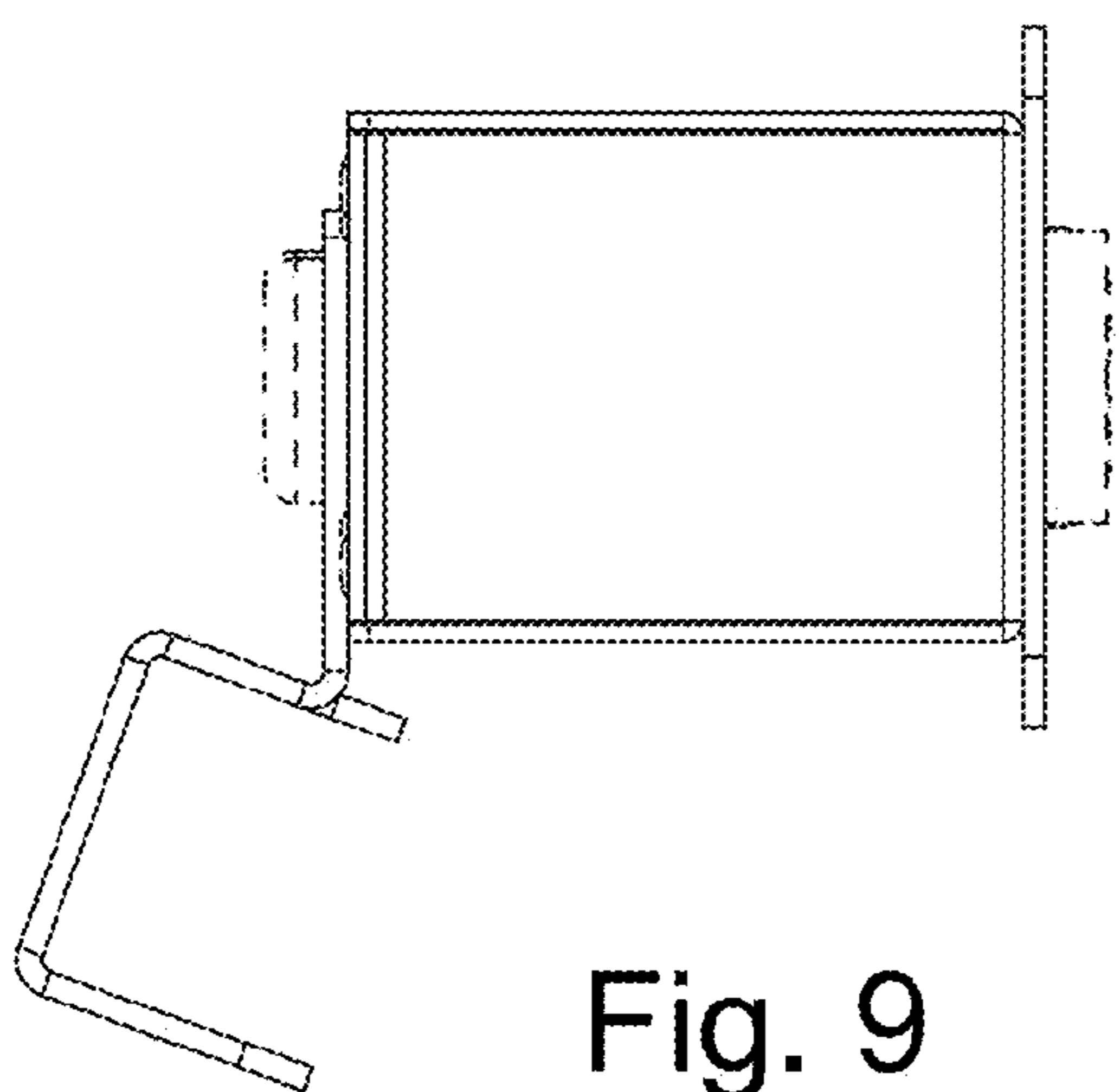


Fig. 9

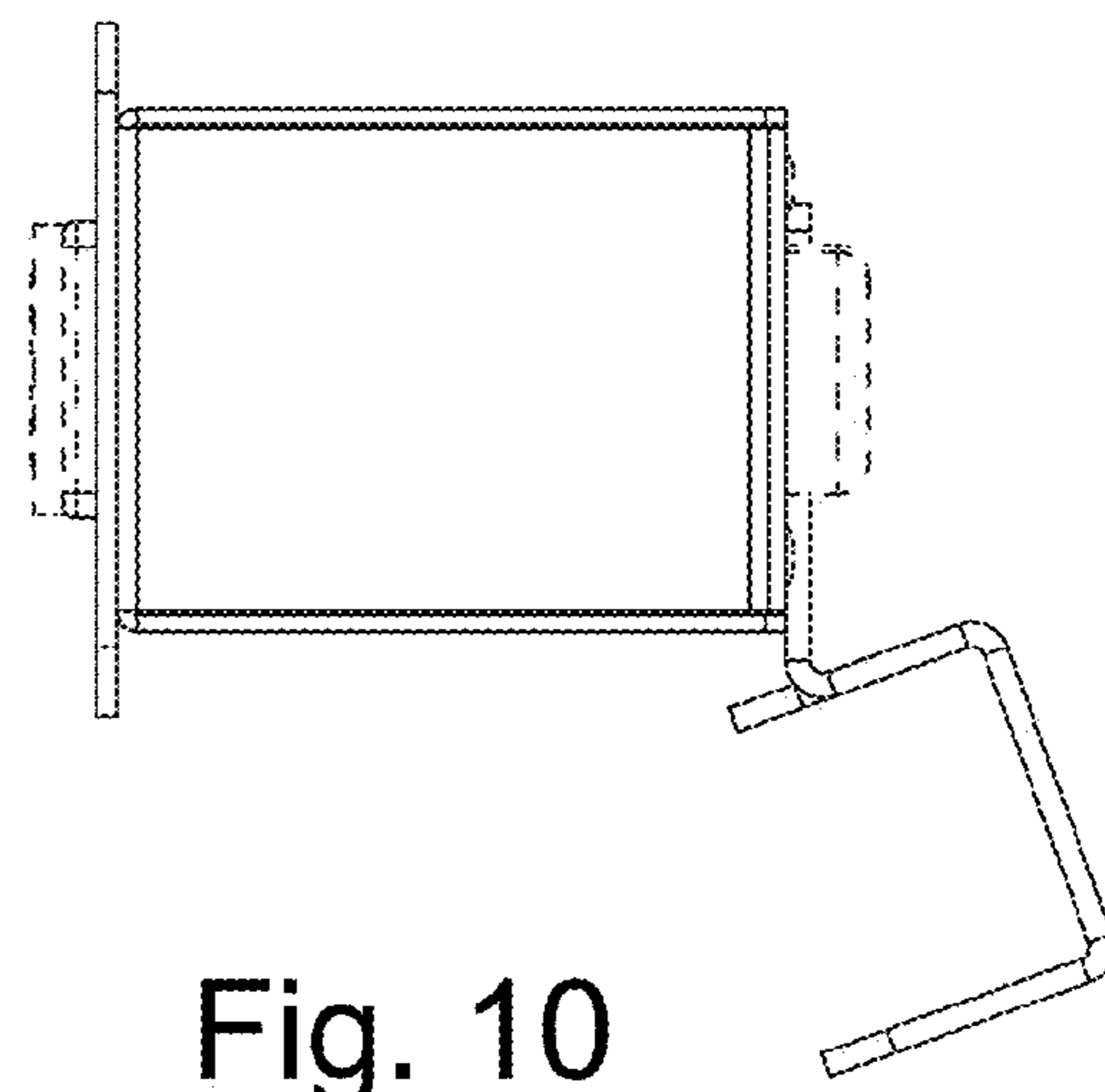


Fig. 10