



US00D736917S

(12) **United States Design Patent**
Katsura

(10) **Patent No.:** **US D736,917 S**

(45) **Date of Patent:** **** Aug. 18, 2015**

(54) **OPERATION HANDLE FOR A MEDICAL MANIPULATOR DEVICE**

(71) Applicant: **TERUMO KABUSHIKI KAISHA**,
Tokyo (JP)

(72) Inventor: **Hideki Katsura**, Tokyo (JP)

(73) Assignee: **KARL STORZ GmbH & Co. KG**,
Tuttlingen (DE)

(**) Term: **14 Years**

(21) Appl. No.: **29/481,642**

(22) Filed: **Feb. 7, 2014**

(30) **Foreign Application Priority Data**

Aug. 30, 2013 (JP) 2013-020092

(51) **LOC (10) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/133; D24/108**

(58) **Field of Classification Search**
USPC D24/133, 153, 143, 144, 146, 147, 148,
D24/145, 132, 108; D8/51, 52, 54; 606/45,
606/51, 41, 1, 46, 40, 167, 174, 277, 324,
606/120, 147, 151, 205, 206, 207
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,184,625 A * 2/1993 Cottone et al. 600/564
D478,986 S * 8/2003 Johnston et al. D24/133
6,620,161 B2 * 9/2003 Schulze et al. 606/51
D575,395 S * 8/2008 Hushka D24/133
D628,290 S * 11/2010 Romero D24/133

D665,909 S * 8/2012 Dodd et al. D24/146
D673,683 S * 1/2013 McCormack et al. D24/171
D700,324 S * 2/2014 Affonce et al. D24/144
D708,744 S * 7/2014 Morris et al. D24/144
D708,746 S * 7/2014 Cabrera et al. D24/145
D717,431 S * 11/2014 Cardinale et al. D24/133
D723,686 S * 3/2015 Kratoska et al. D24/144
2009/0030414 A1 * 1/2009 Bayat 606/51
2009/0088738 A1 * 4/2009 Guerra et al. 606/41
2011/0071523 A1 * 3/2011 Dickhans 606/45
2011/0190765 A1 * 8/2011 Chojin 606/41

* cited by examiner

Primary Examiner — Ian Simmons

Assistant Examiner — Samantha Q Lawrence

(74) *Attorney, Agent, or Firm* — Muncy, Geissler, Olds & Lowe, P.C.

(57) **CLAIM**

The ornamental design for an operation handle for a medical manipulator device, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of an operation handle for a medical manipulator device showing my new design;
FIG. 2 is a rear perspective view thereof;
FIG. 3 is a front view thereof;
FIG. 4 is a rear view thereof;
FIG. 5 is a left side view thereof;
FIG. 6 is a right side view thereof;
FIG. 7 is a top plan view thereof; and,
FIG. 8 is a bottom view thereof.

The end portion of the operation handle for a medical manipulator device is shown with a symbolic break in its length. The appearance of any portion of the article between the break lines forms no part of the claimed design.

1 Claim, 6 Drawing Sheets

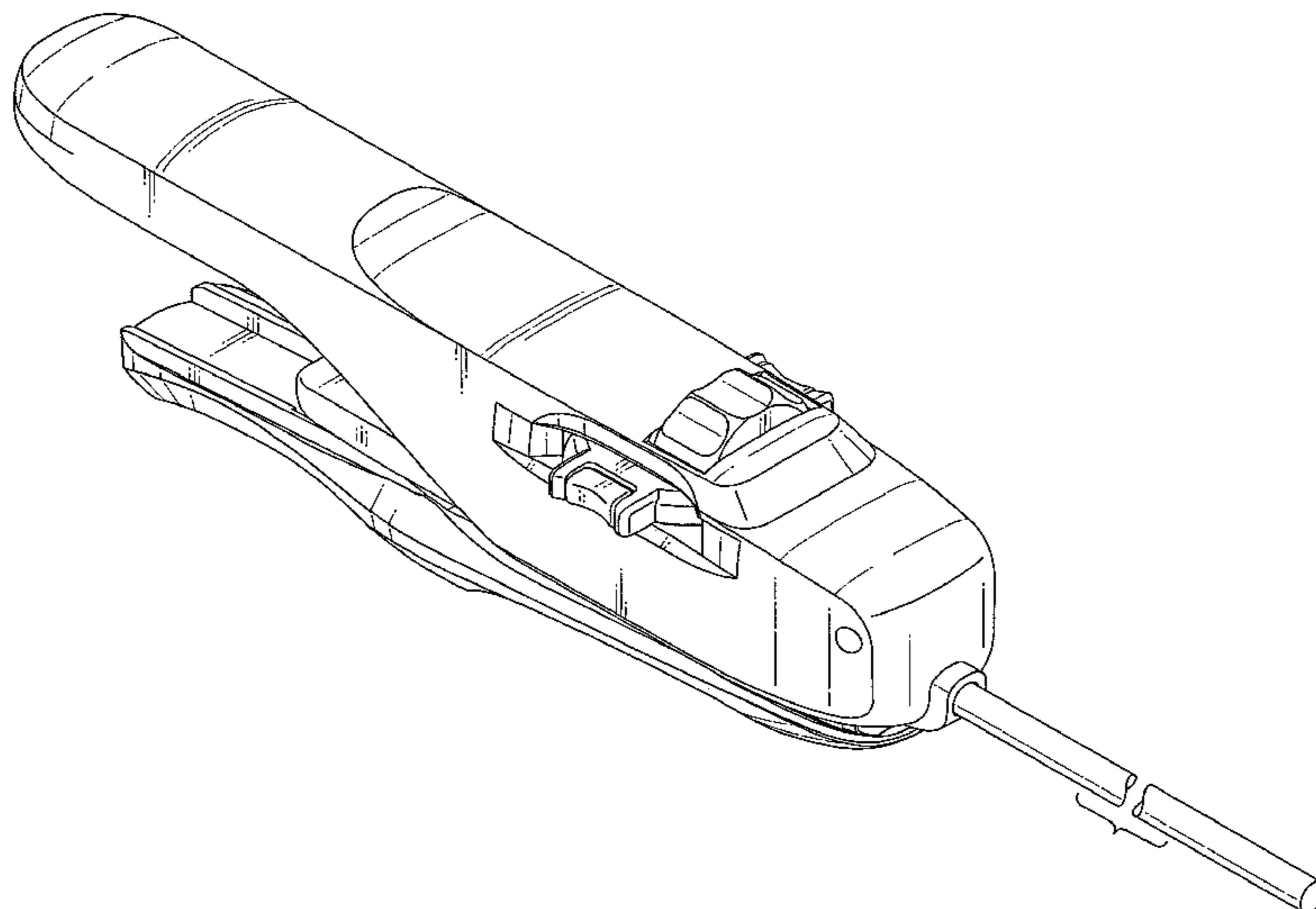
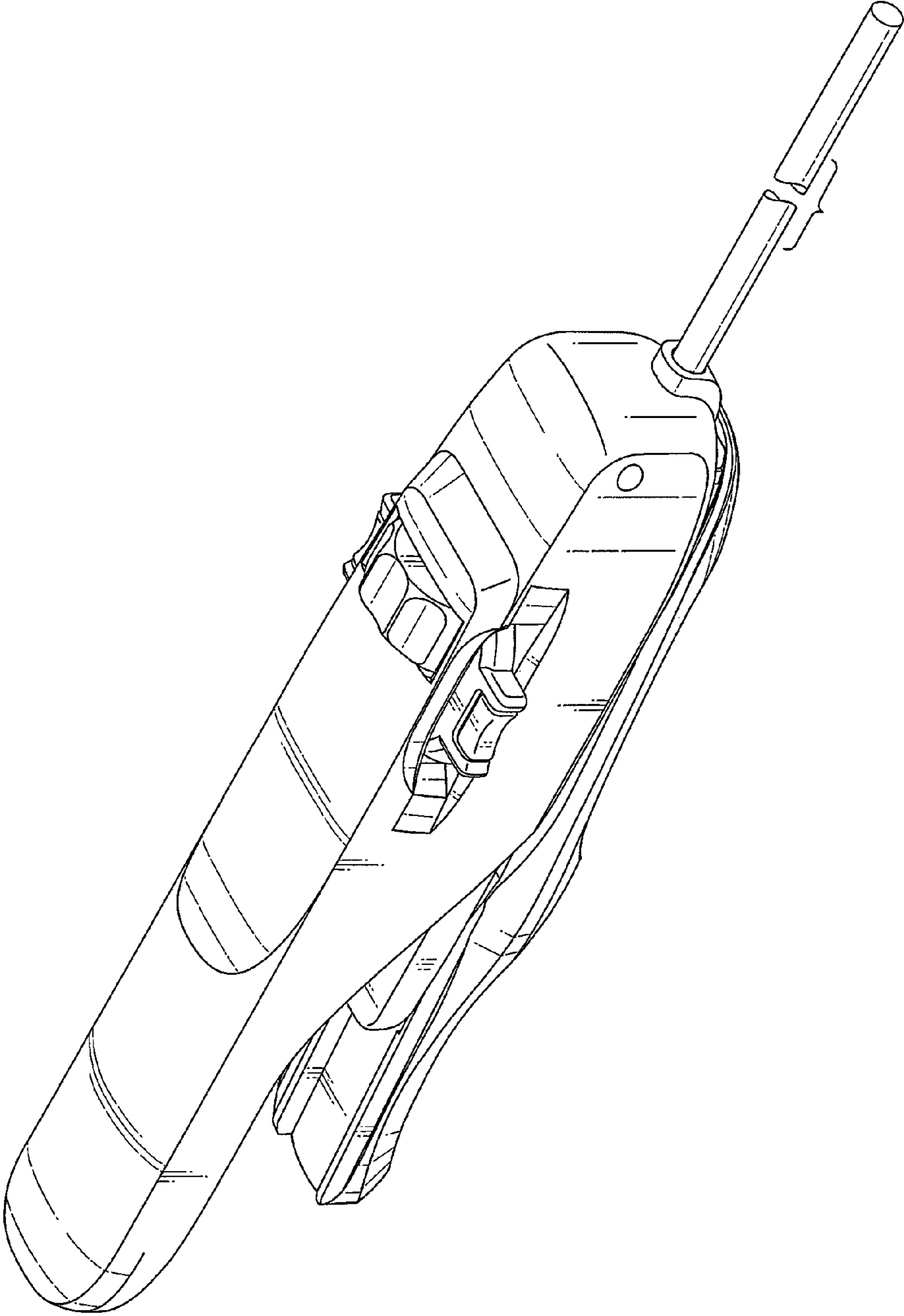


Fig. 1



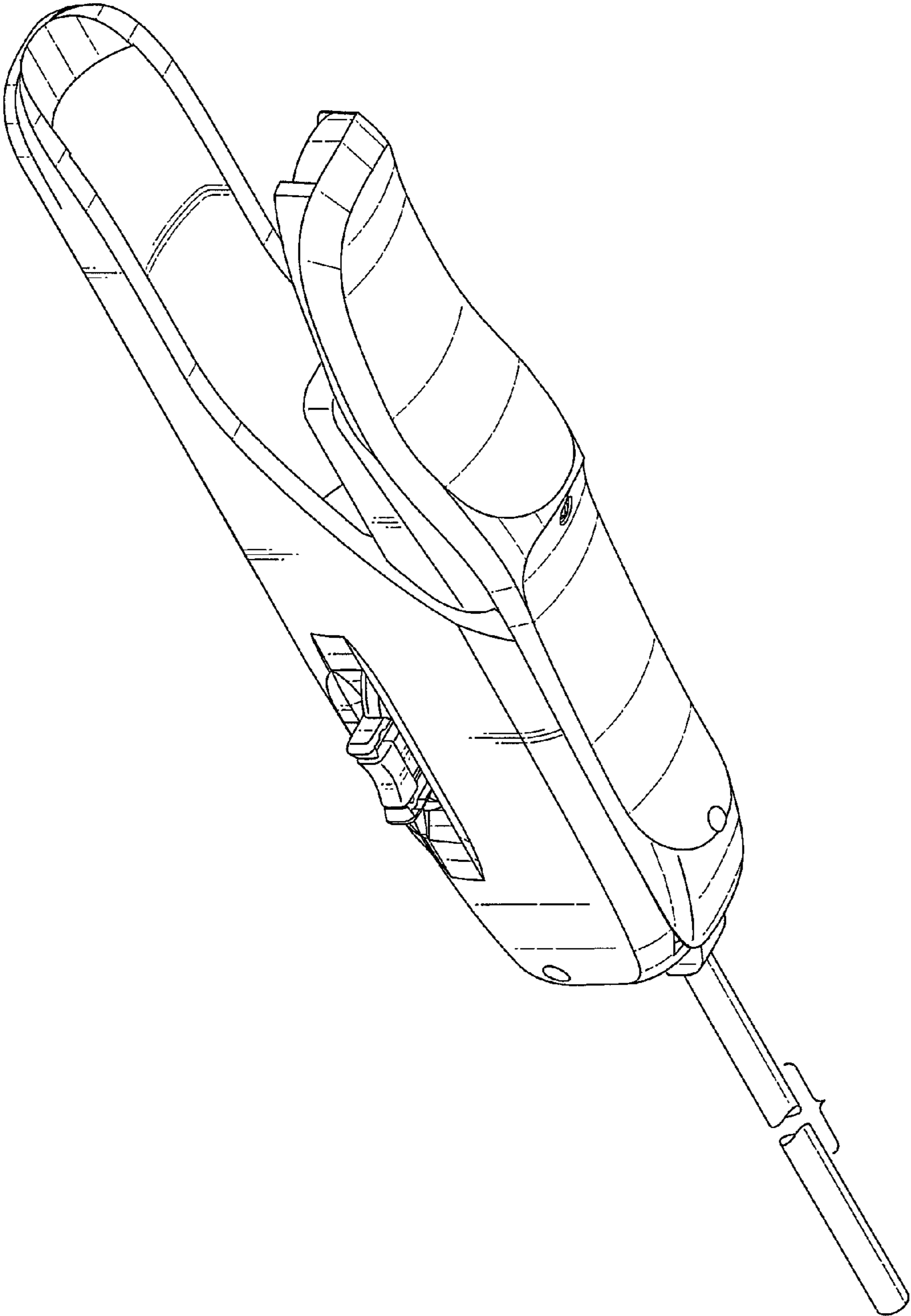


Fig. 2

Fig. 3

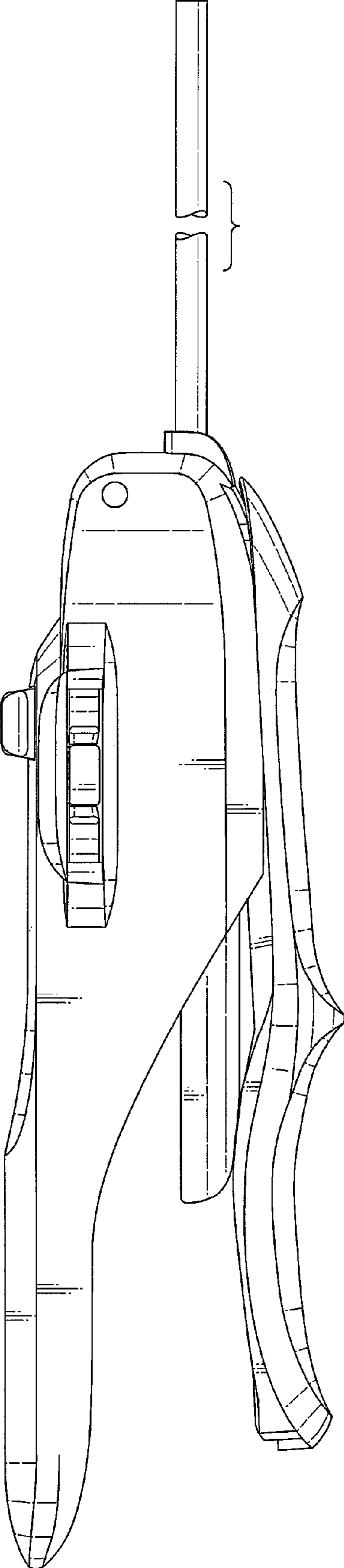


Fig. 4

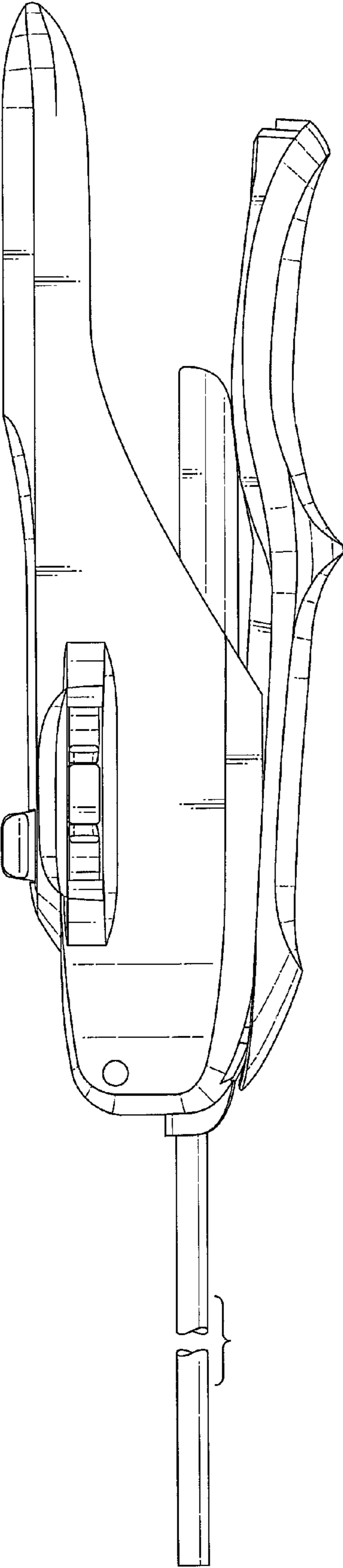


Fig. 6

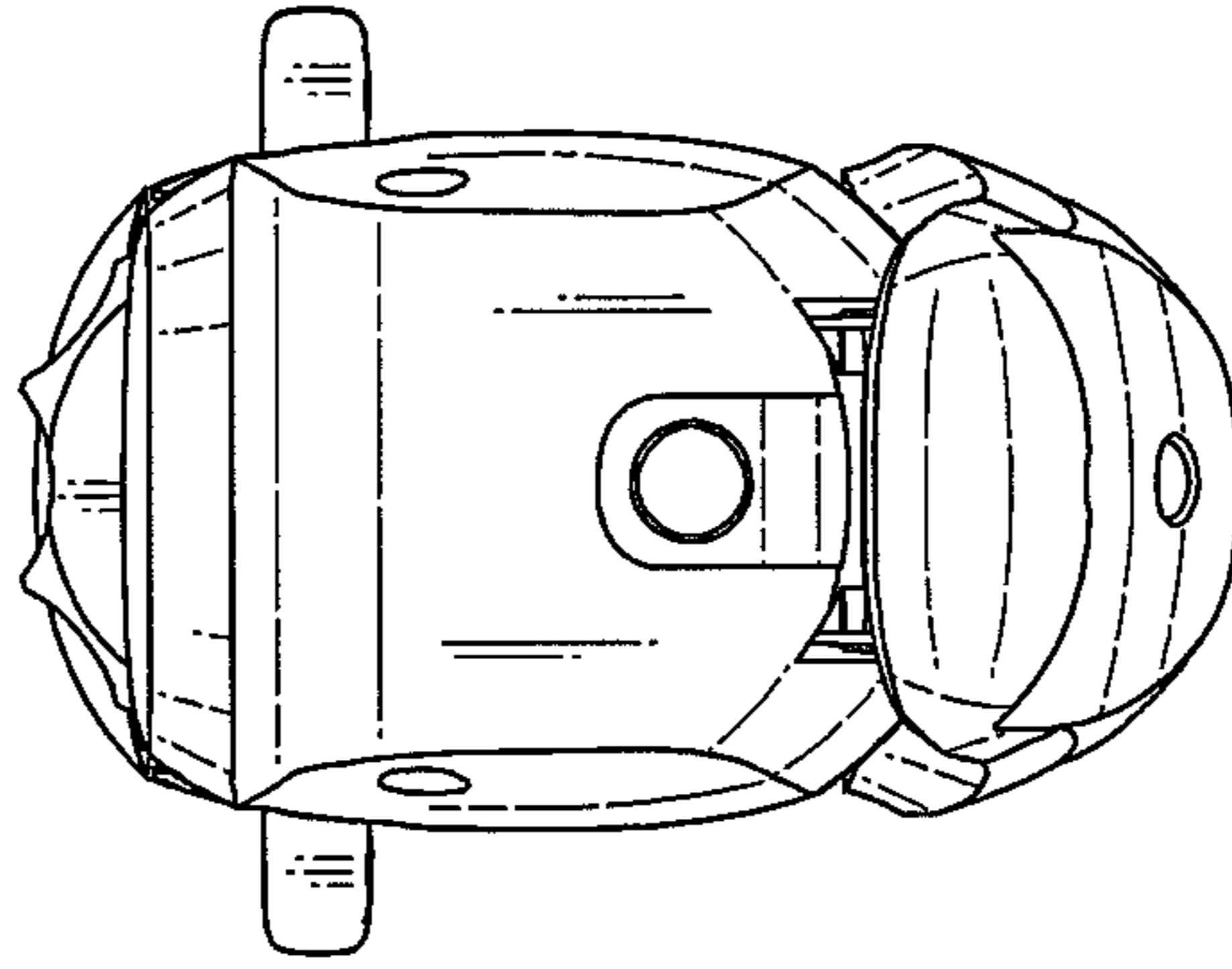


Fig. 5

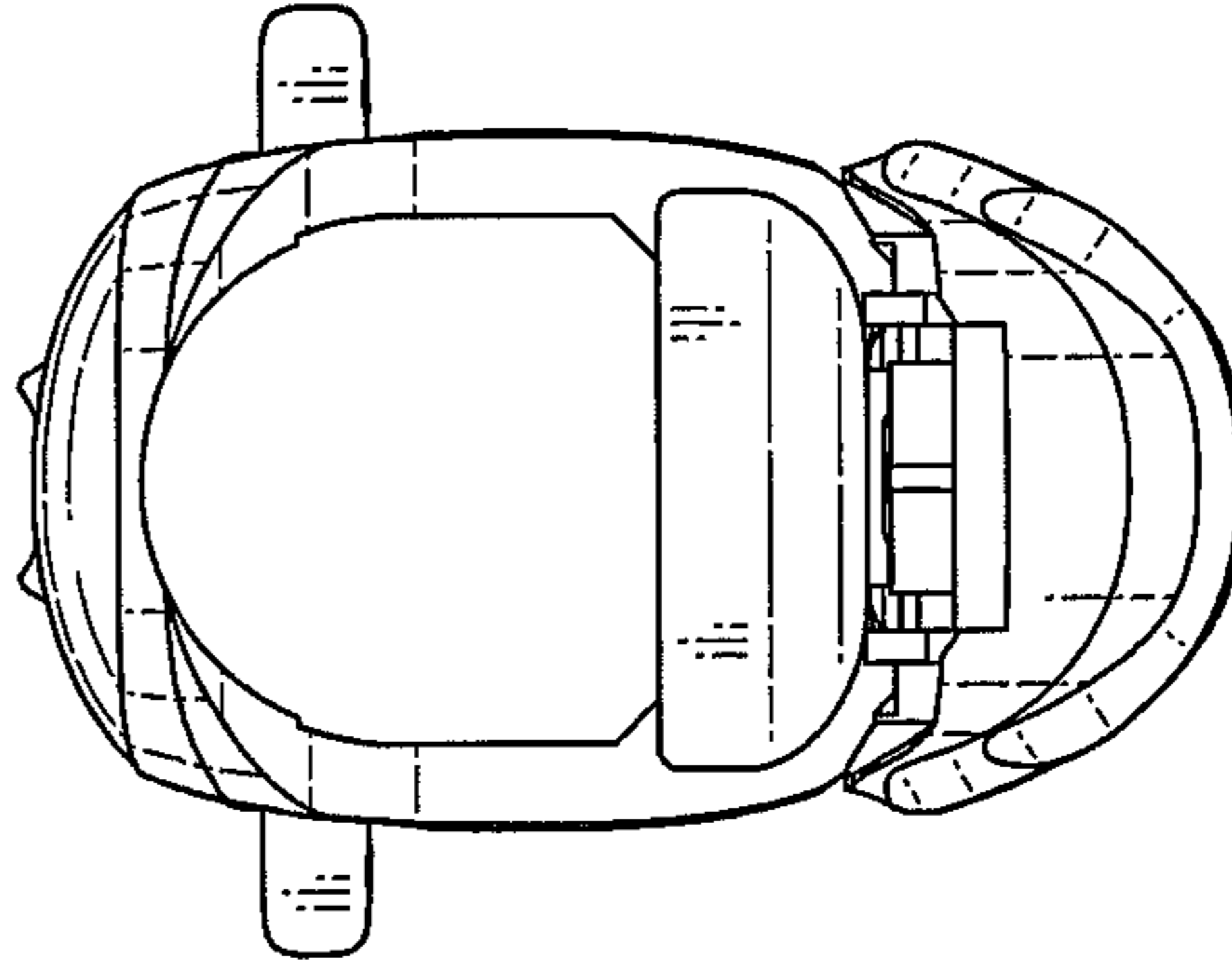


Fig. 7

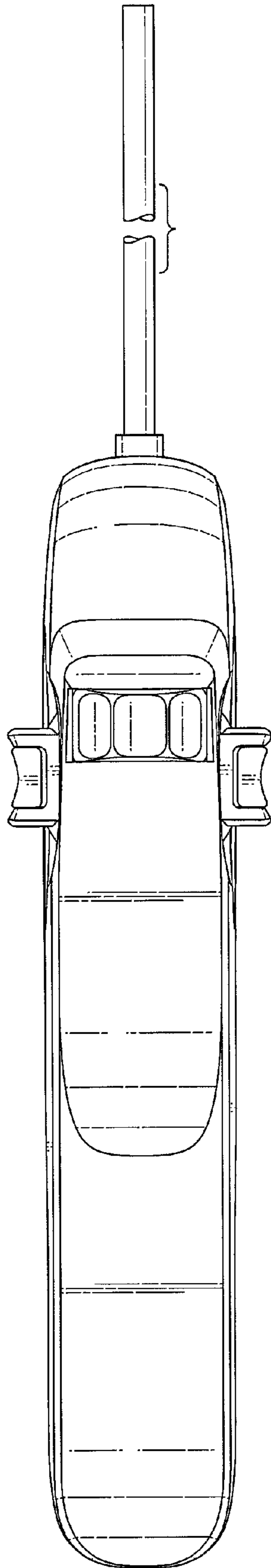


Fig. 8

