



US00D524444S

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

(10) **Patent No.:** **US D524,444 S**
(45) **Date of Patent:** **** Jul. 4, 2006**

(54) **SENSOR FOR PULSE WAVE MEASURING INSTRUMENT**

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

(21) Appl. No.: **29/203,873**

(22) Filed: **Apr. 21, 2004**

(30) **Foreign Application Priority Data**

Oct. 21, 2003 (JP) D2003-31029

(51) **LOC (8) Cl.** **24-04**

(52) **U.S. Cl.** **D24/186**

(58) **Field of Classification Search** D24/186,
D24/133, 165; 600/485, 500, 502, 503, 481-483,
600/504, 508

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D320,662 S * 10/1991 Nakai D24/186
D330,593 S * 10/1992 Moro D24/165
D443,362 S * 6/2001 Storp D24/165
D484,980 S * 1/2004 Hartwein et al. D24/165

OTHER PUBLICATIONS

“Measurement of Hardening Degree of Blood Vessel by Using Sensor on One’s Wrist,” Nihon Keizai Shimbum, Inc., Japan Economics Newspaper (Jul. 10, 2003).

* cited by examiner

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Assistant Examiner—Daniel Yu

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(57) **CLAIM**

The ornamental design for a sensor for pulse wave measuring instrument, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of our new design for a sensor for pulse wave measuring instrument;

FIG. 2 is a rear perspective view of the sensor for pulse wave measuring instrument of FIG. 1;

FIG. 3 is a front view of the sensor for pulse wave measuring instrument of FIG. 1;

FIG. 4 is a rear view of the sensor for pulse wave measuring instrument of FIG. 1;

FIG. 5 is a top plan view of the sensor for pulse wave measuring instrument of FIG. 2;

FIG. 6 is a bottom plan view of the sensor for pulse wave measuring instrument of FIG. 1;

FIG. 7 is a right side elevational view of the sensor for pulse wave measuring instrument of FIG. 1;

FIG. 8 is a left side elevational view of the sensor for pulse wave measuring instrument of FIG. 1;

FIG. 9 is a front perspective view showing a condition in which the sensor for pulse wave measuring instrument of FIG. 1 is accommodated in main body thereof;

FIG. 10 is a rear perspective view of the sensor of FIG. 9 accommodated in the main body thereof;

FIG. 11 is a front view of the sensor of FIG. 9 accommodated in the main body thereof;

FIG. 12 is a rear view of the sensor of FIG. 9 accommodated in the main body thereof;

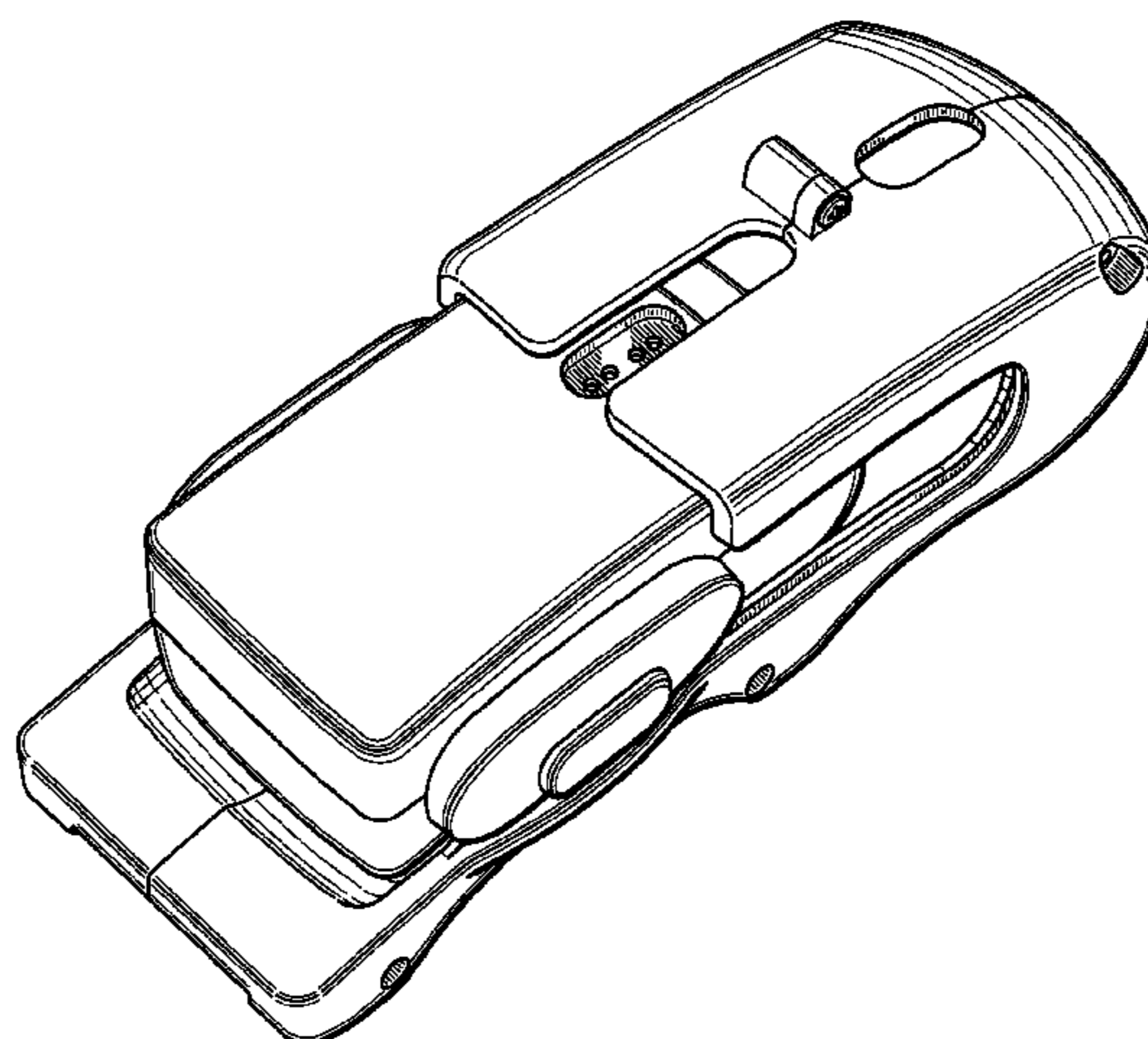
FIG. 13 is a top plan view of the sensor of FIG. 10 accommodated in the main body thereof;

FIG. 14 is a bottom plan view of the sensor of FIG. 9 accommodated in the main body thereof;

FIG. 15 is a right side elevational view of the sensor of FIG. 9 accommodated in the main body thereof; and,

FIG. 16 is a left side elevational view of the sensor of FIG. 9 accommodated in the main body thereof.

1 Claim, 14 Drawing Sheets



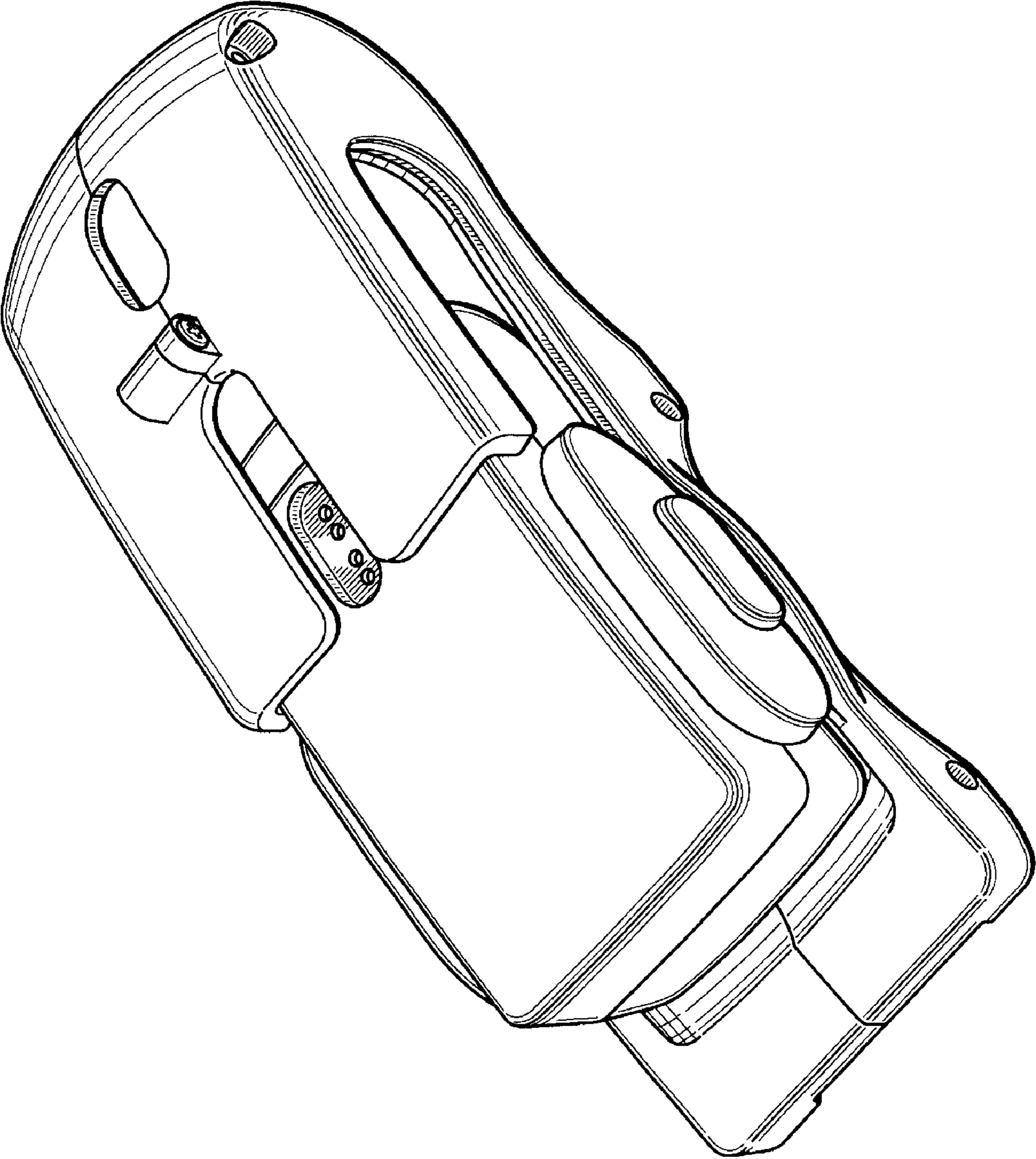


Fig. 1

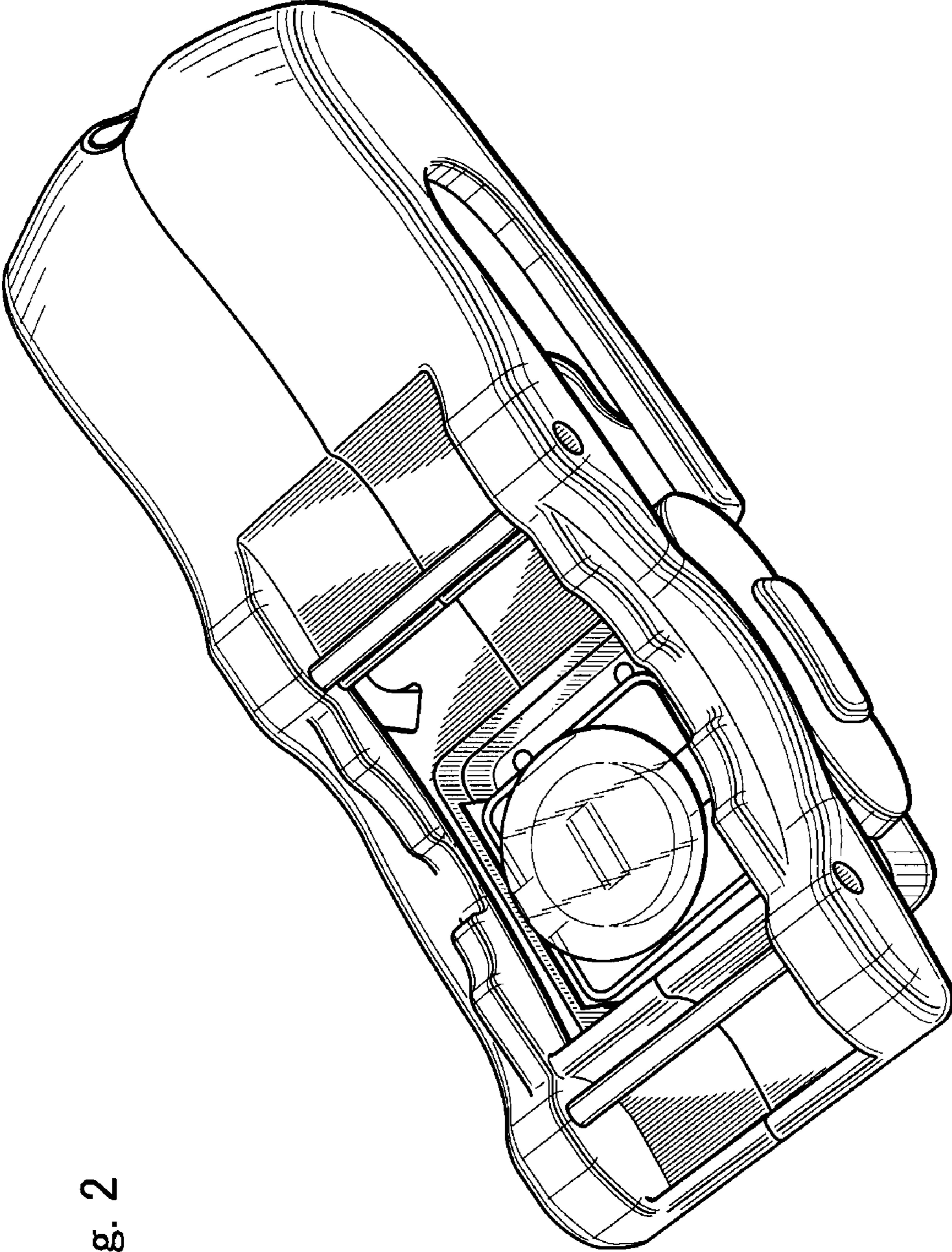


Fig. 2

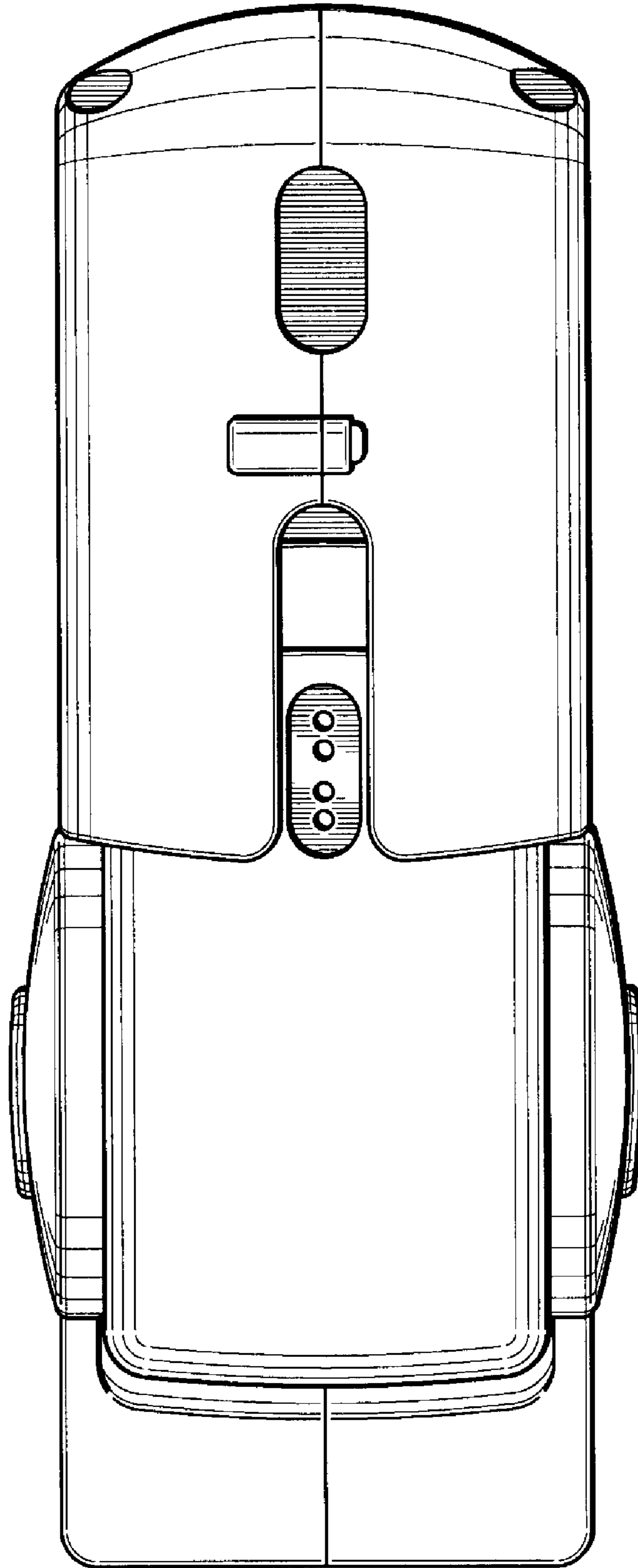


Fig. 3

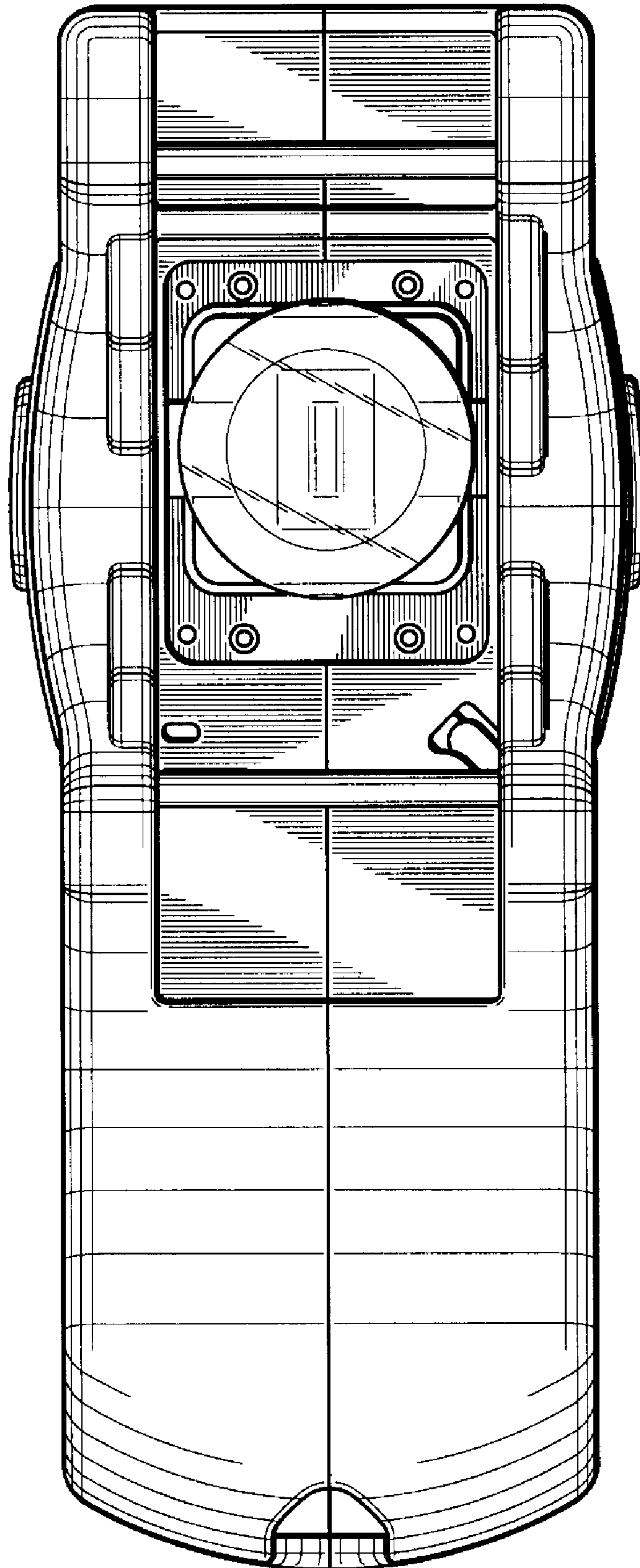


Fig. 4

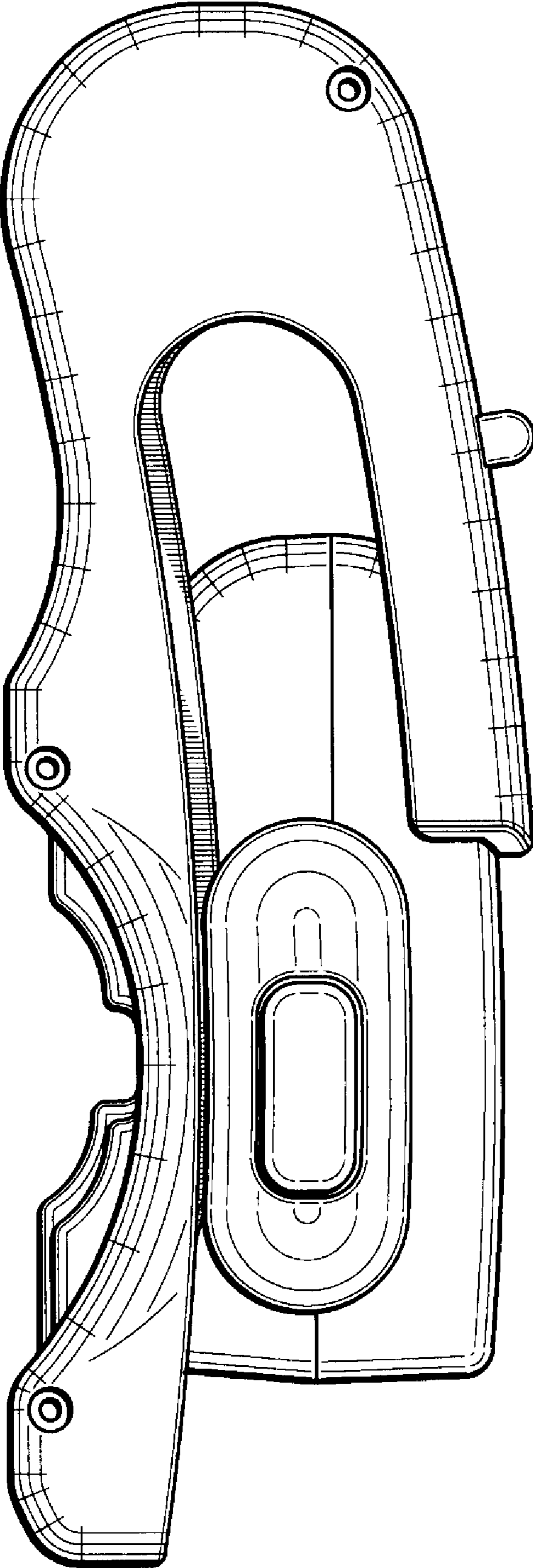


Fig. 5

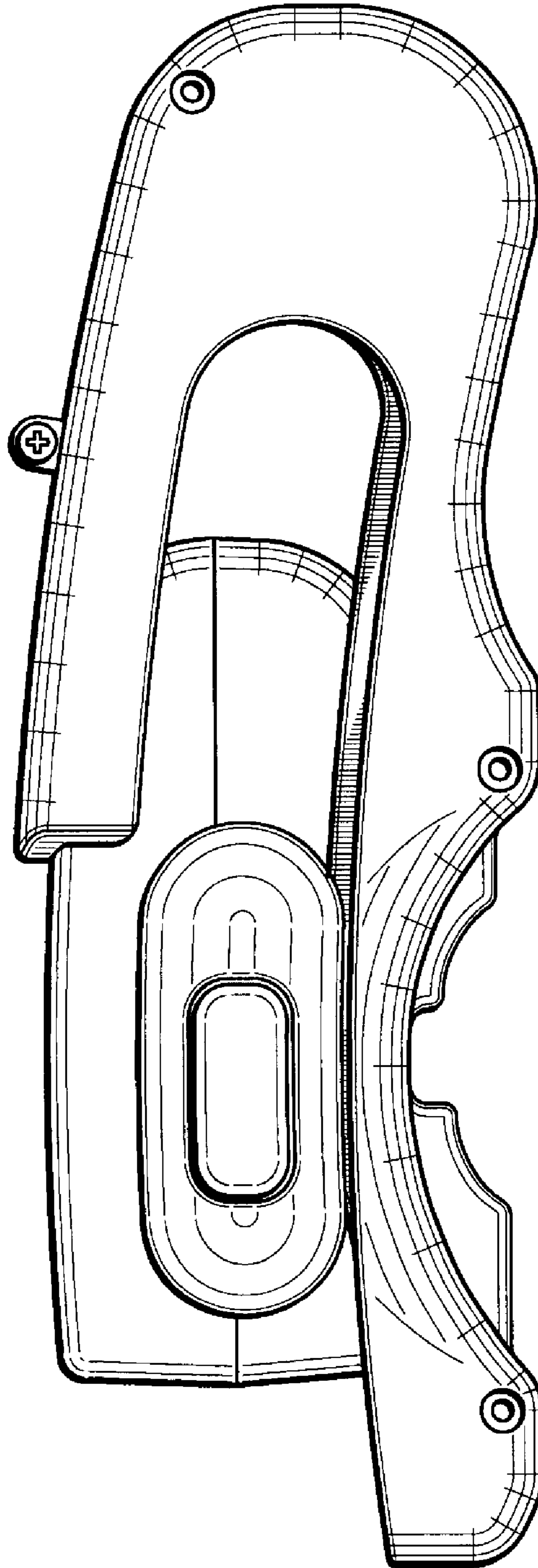


Fig. 6

Fig. 8

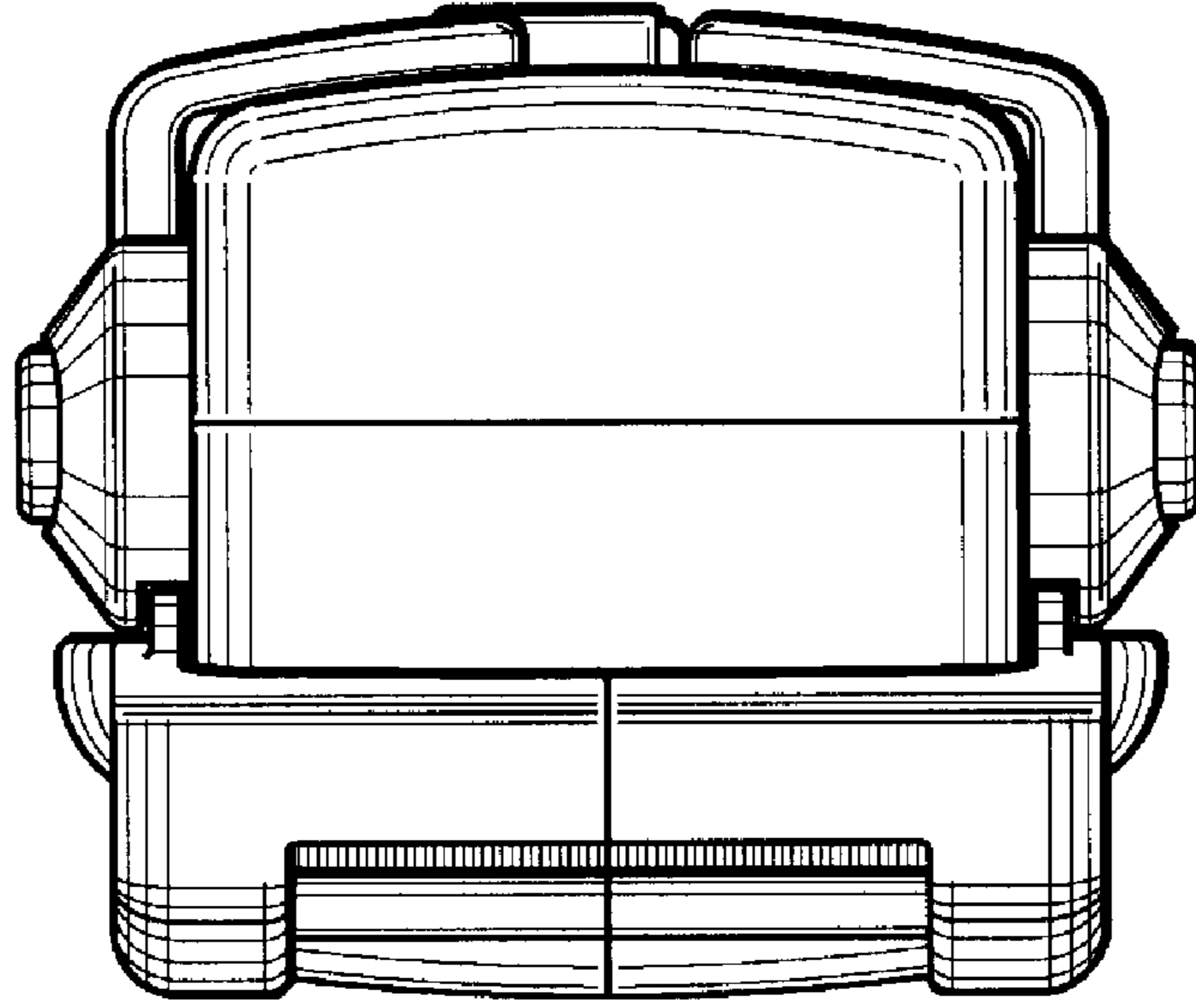
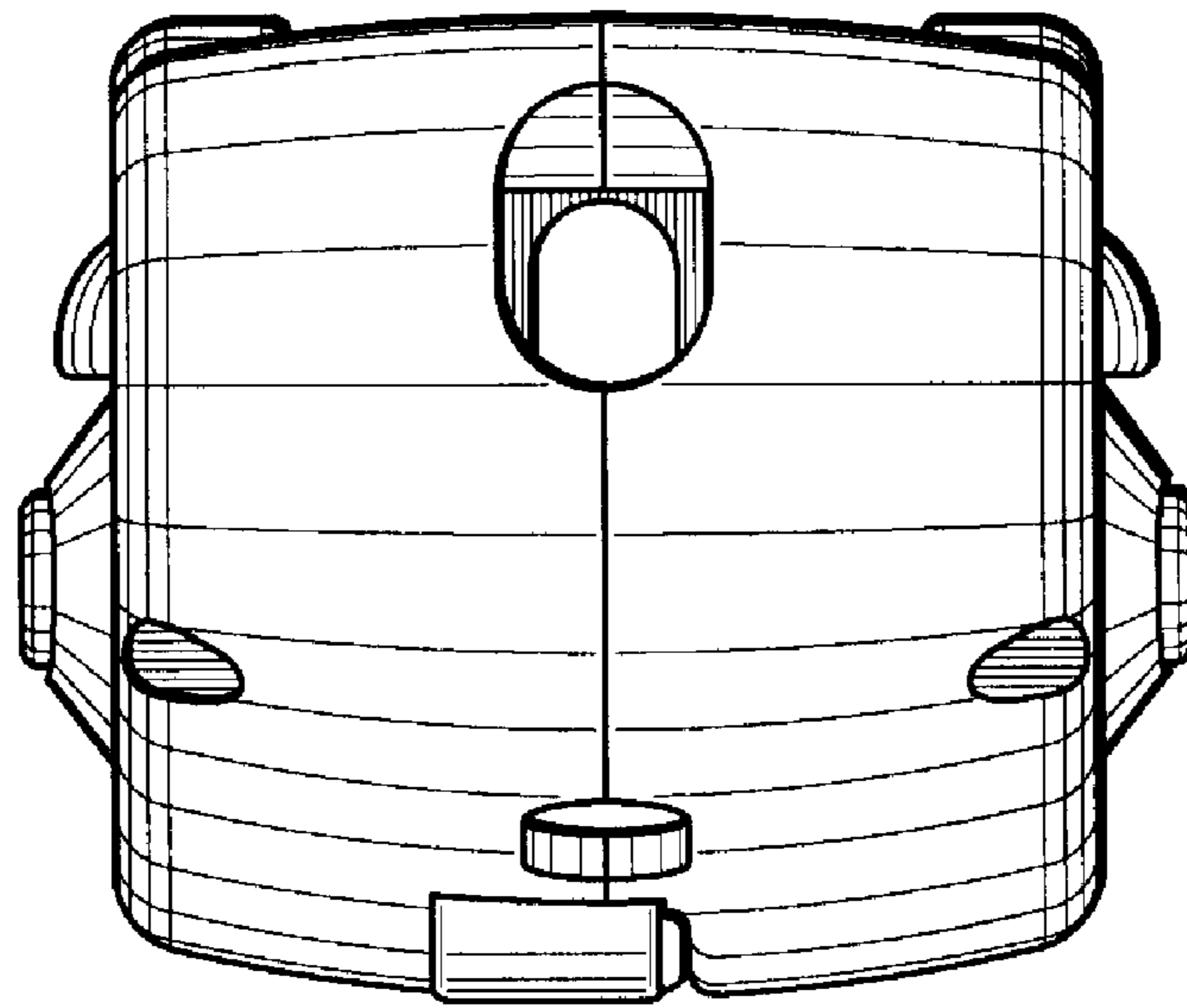


Fig. 7



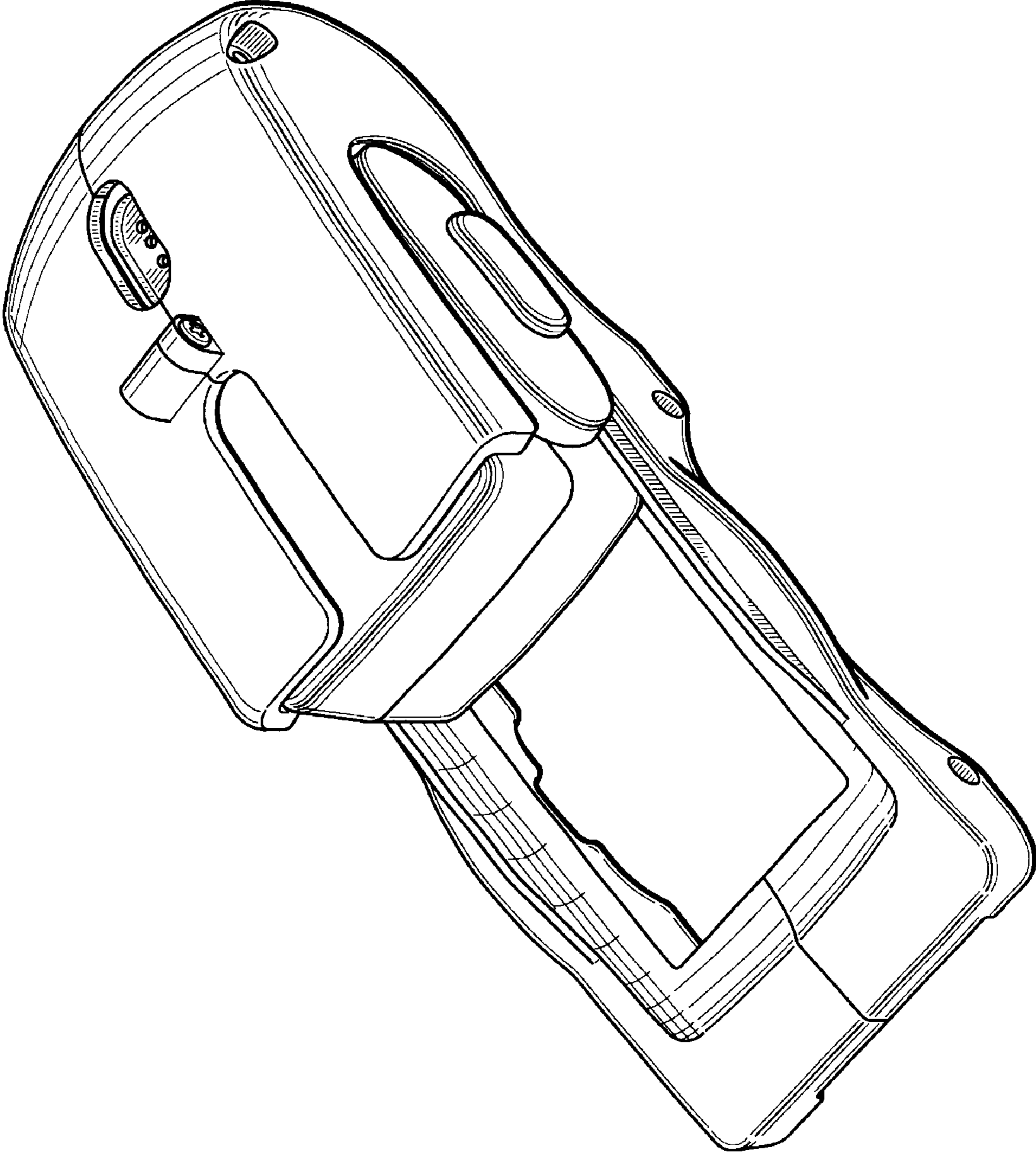


Fig. 9

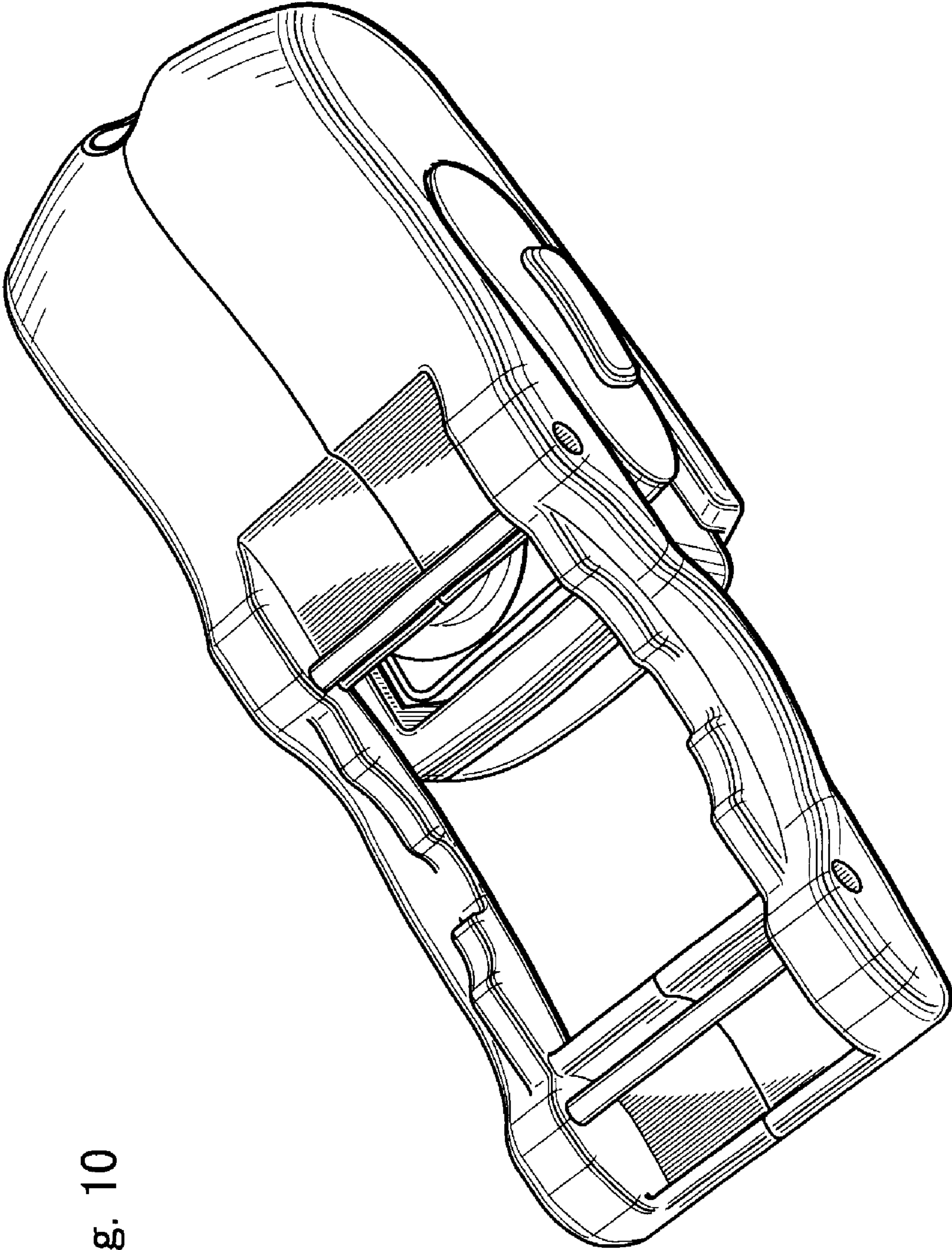


Fig. 10

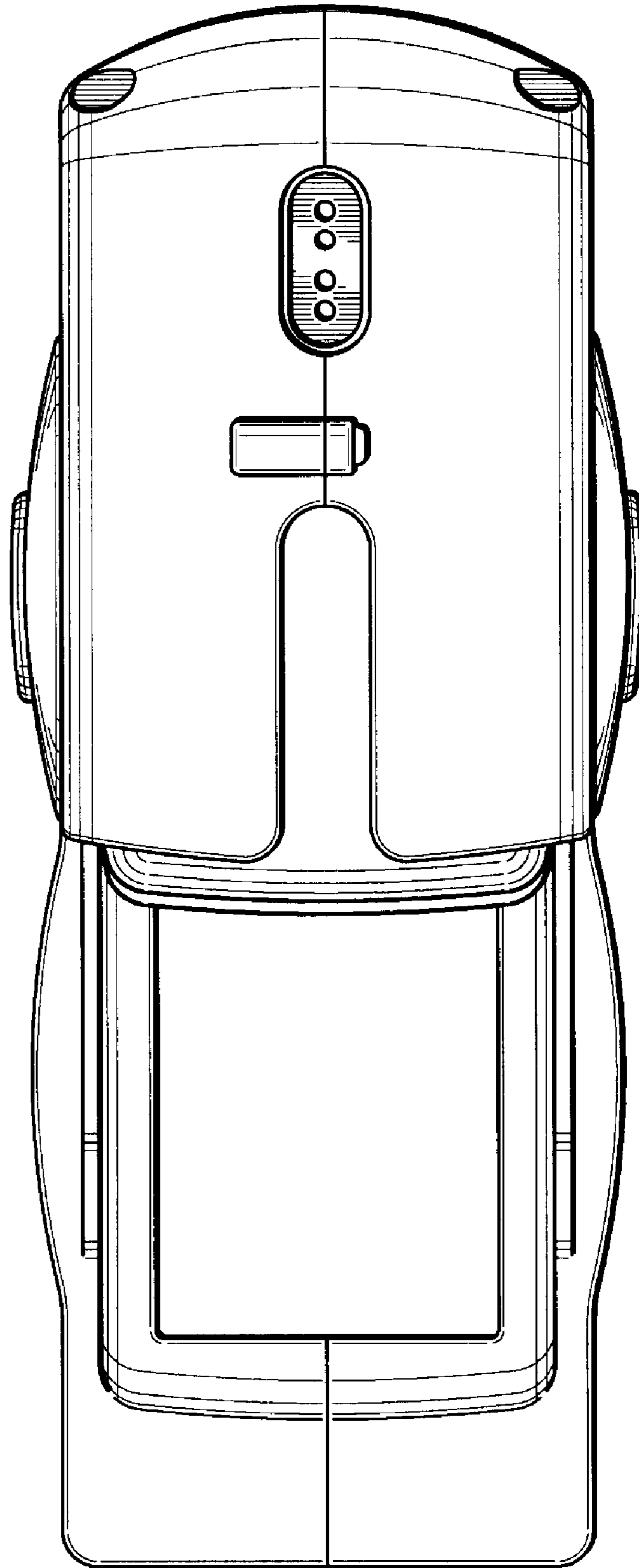


Fig. 11

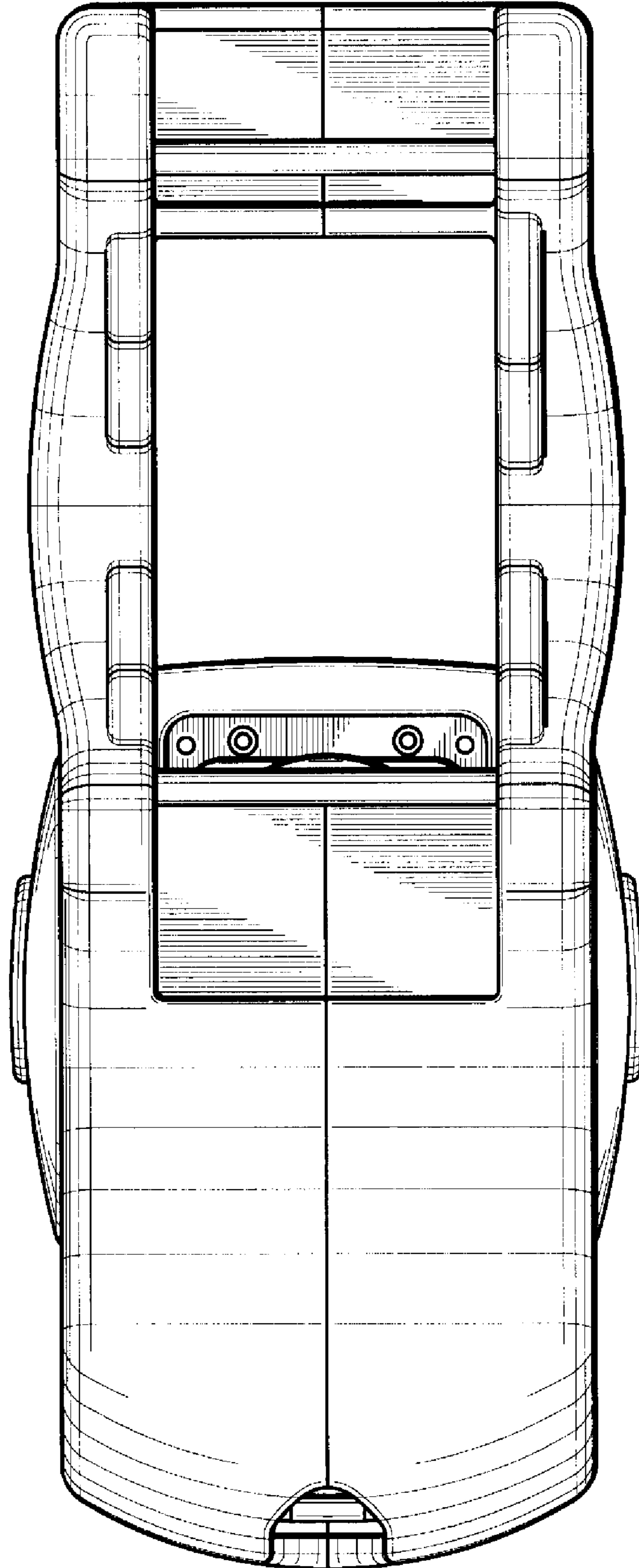


Fig. 12

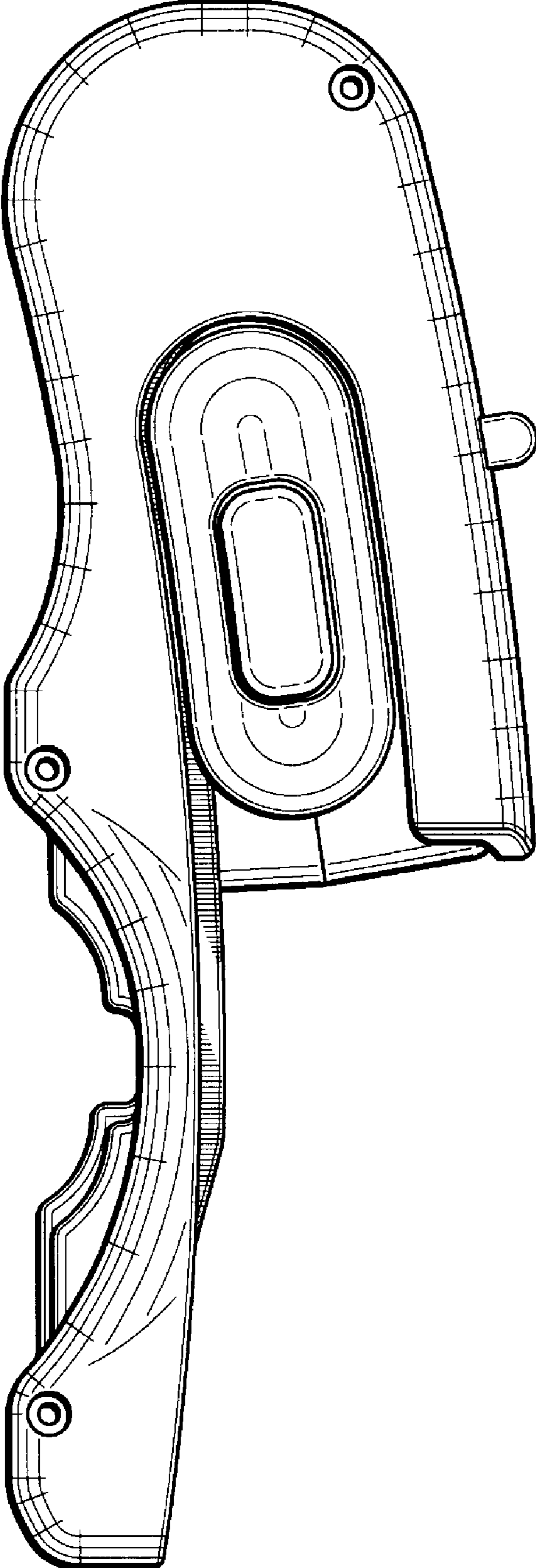


Fig. 13

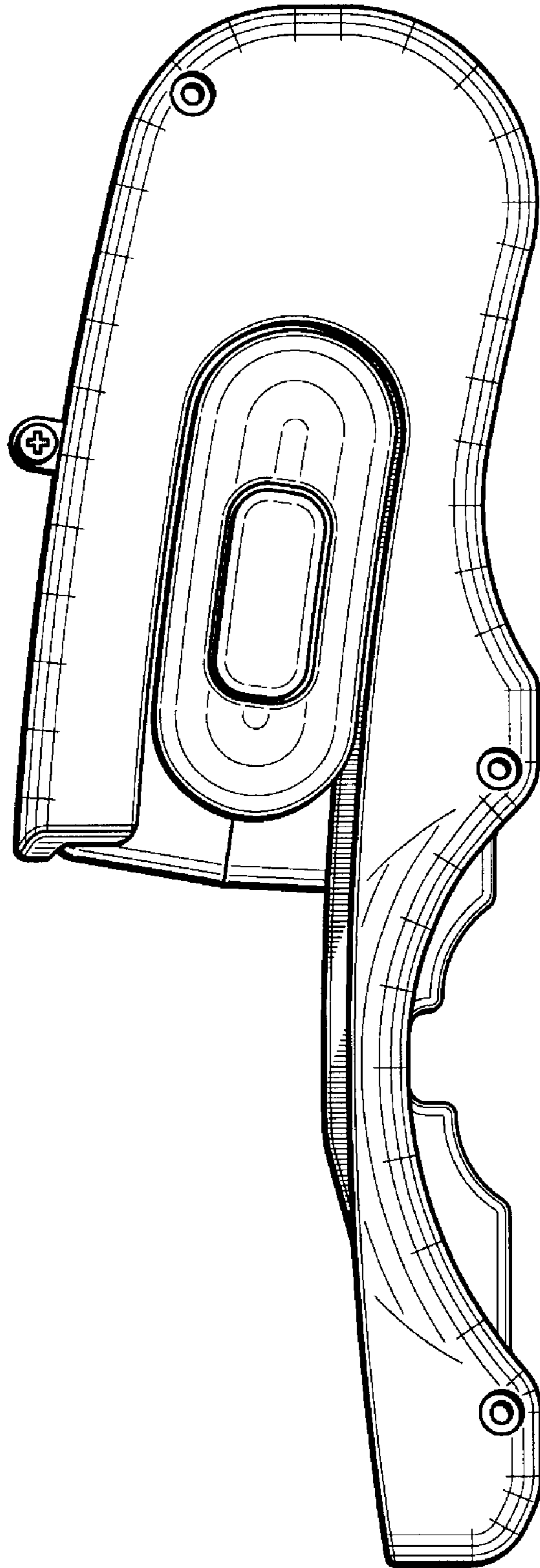


Fig. 14

Fig. 16

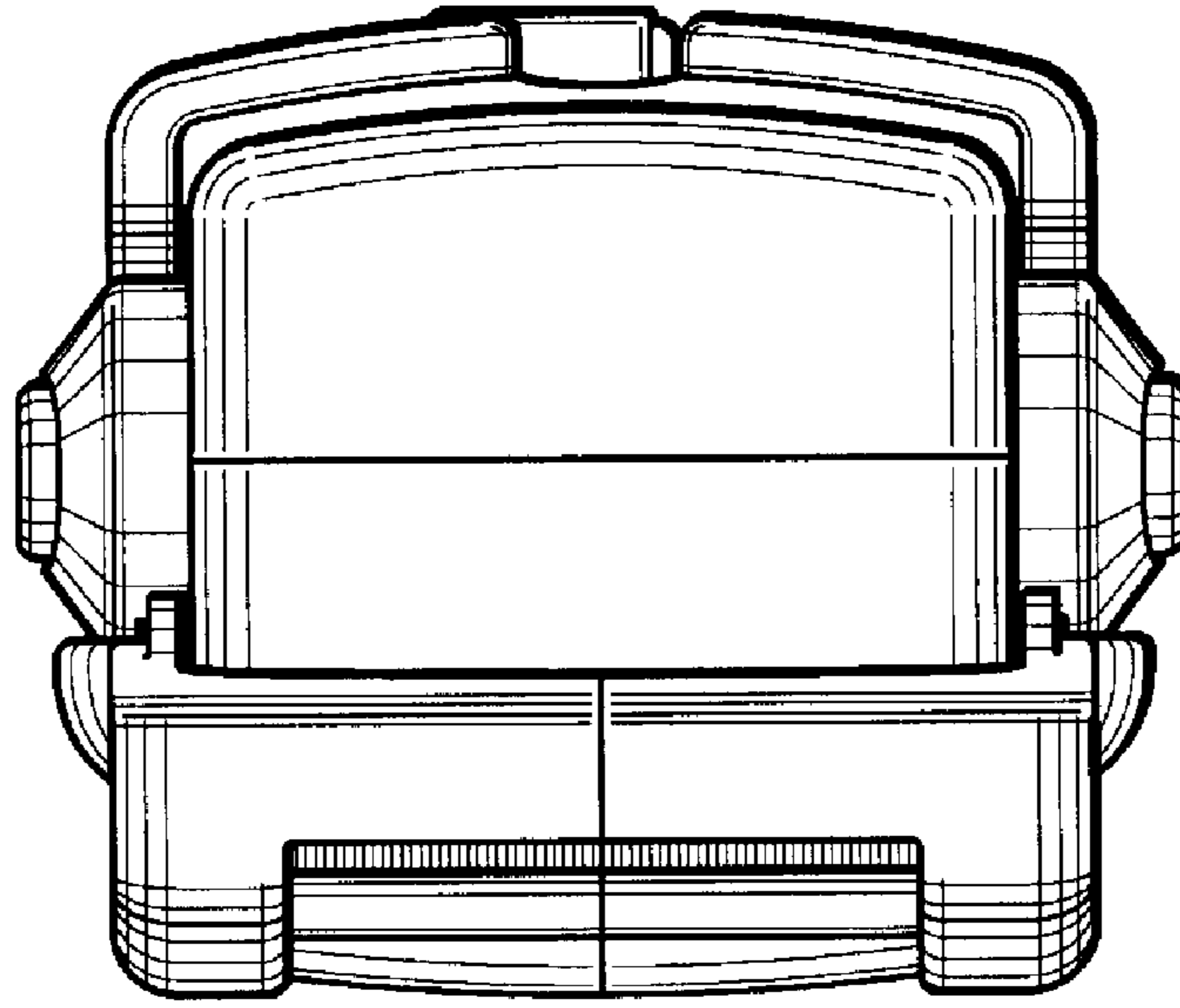


Fig. 15

