



US00D576100S

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

(10) **Patent No.:** **US D576,100 S**
(45) **Date of Patent:** **** Sep. 2, 2008**

(54) **CHARGE-DISCHARGE DEVICE**

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

(21) Appl. No.: **29/263,976**

(22) Filed: **Aug. 2, 2006**

(51) **LOC (8) Cl.** **13-02**

(52) **U.S. Cl.** **D13/110**

(58) **Field of Classification Search** D13/110,
D13/101, 107, 108, 184, 199; 307/2, 44,
307/66, 86, 87, 150; 320/114, 130, 140;
363/142, 143

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- D225,109 S * 11/1972 Flider D13/119
- D281,968 S * 12/1985 Thiele et al. D13/103
- 5,019,767 A * 5/1991 Shirai et al. 320/112
- 5,480,319 A * 1/1996 Vlakancic 439/347

- 5,568,370 A * 10/1996 Goldstein et al. 363/34
- D454,837 S * 3/2002 Ibuki et al. D13/107
- D484,853 S * 1/2004 Alviar D13/110

* cited by examiner

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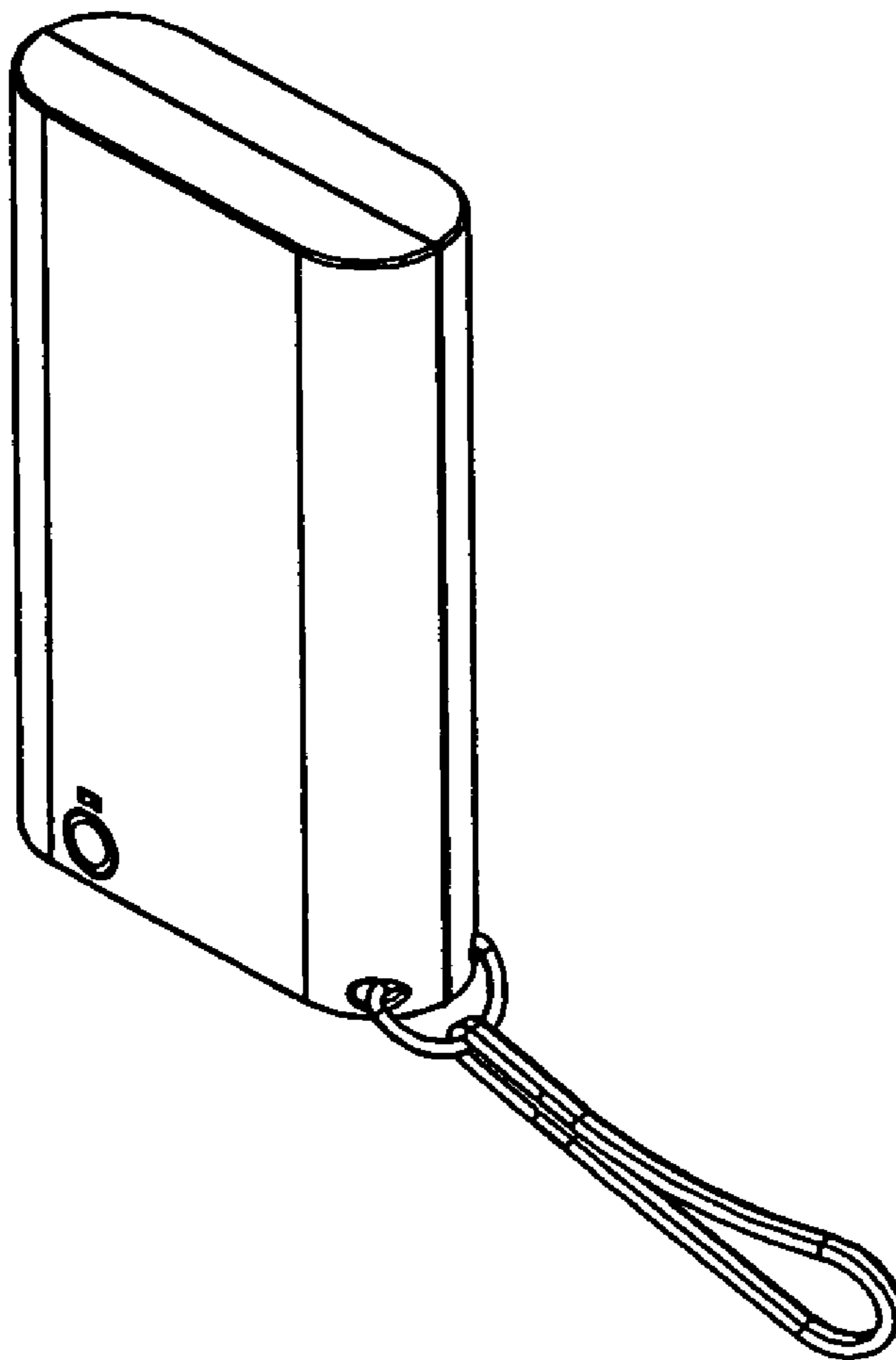
(57) **CLAIM**

The ornamental design for a charge-discharge device, substantially as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the charge-discharge device; FIG. 2 is a front view of the charge-discharge device; FIG. 3 is a back view of the charge-discharge device; FIG. 4 is a left side view of the charge-discharge device; FIG. 5 is a right side view of the charge-discharge device; FIG. 6 is a top view of the charge-discharge device; and, FIG. 7 is a bottom view of the charge-discharge device.

1 Claim, 4 Drawing Sheets



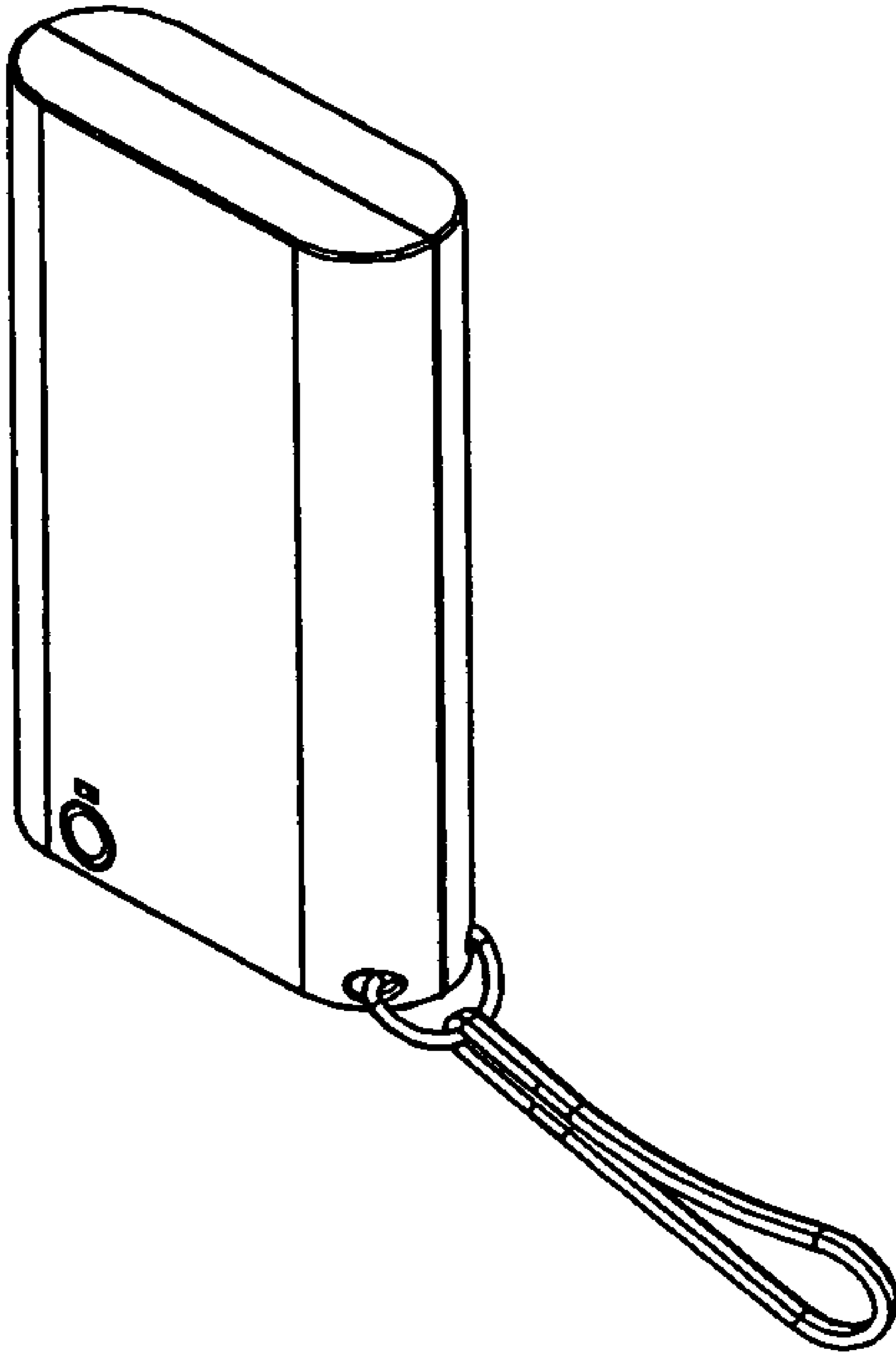


FIG. 1

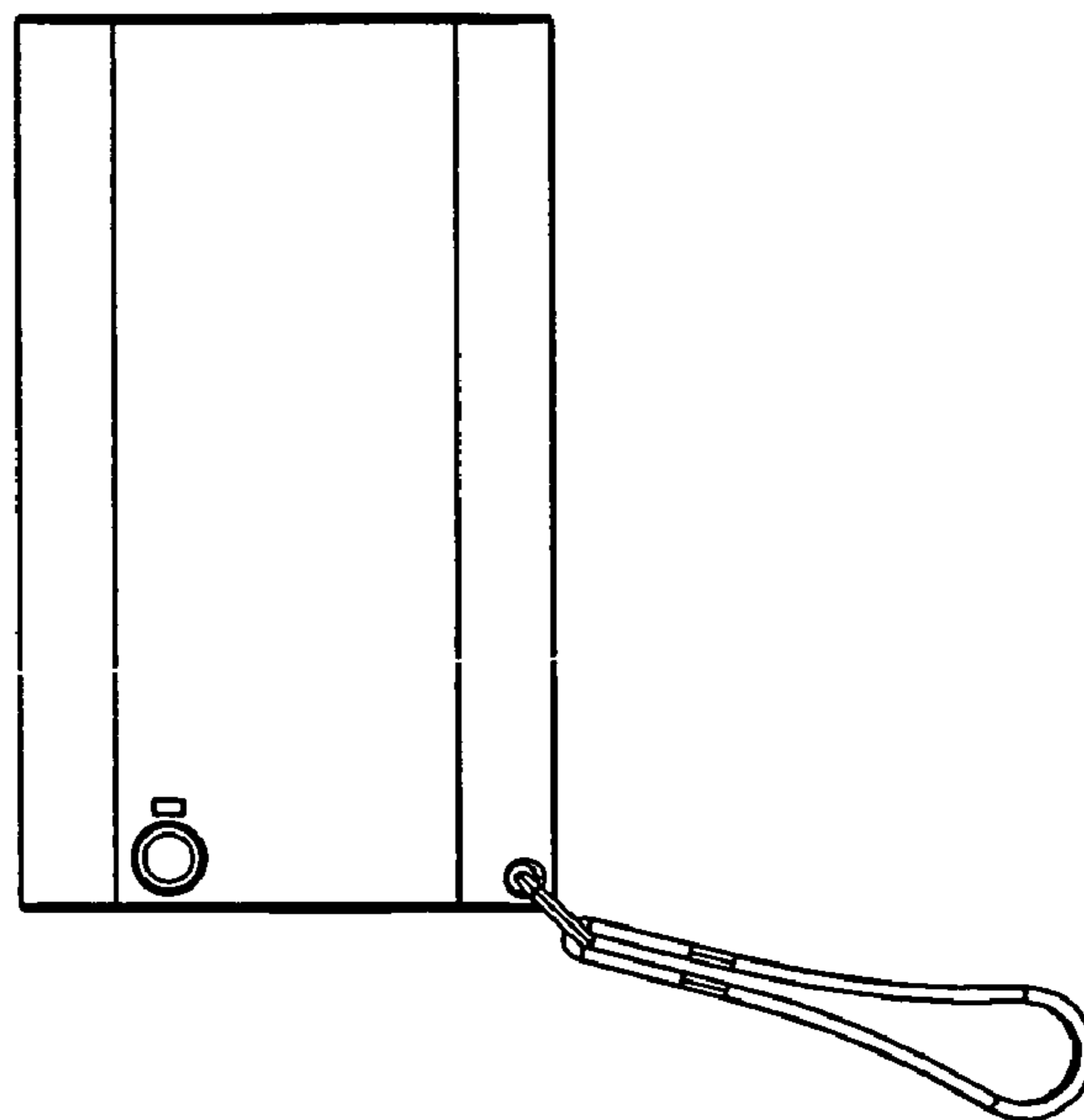


FIG. 2

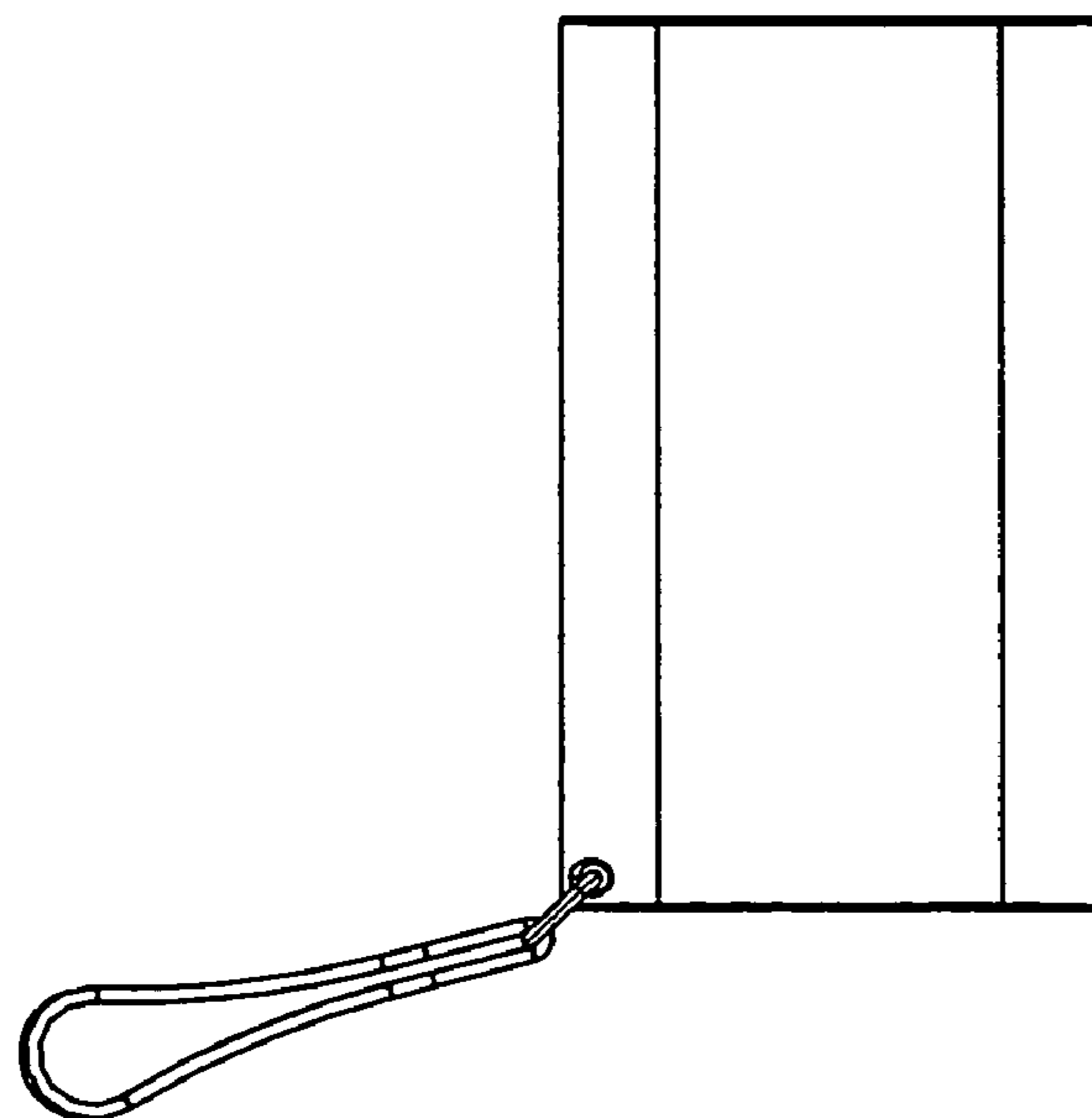


FIG. 3

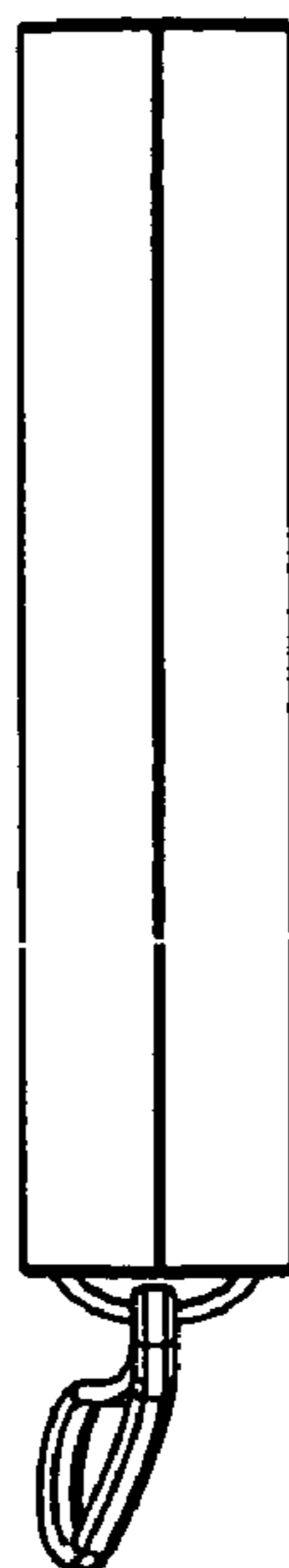


FIG. 4

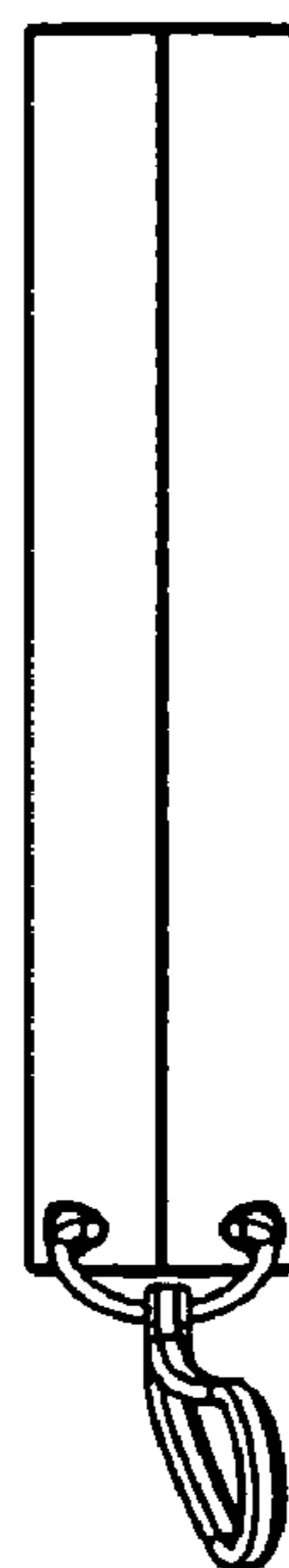


FIG. 5

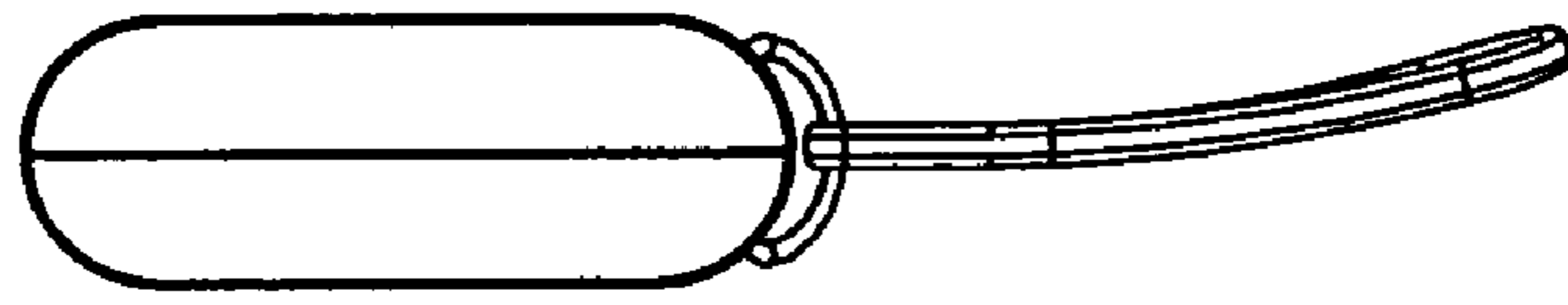


FIG. 6

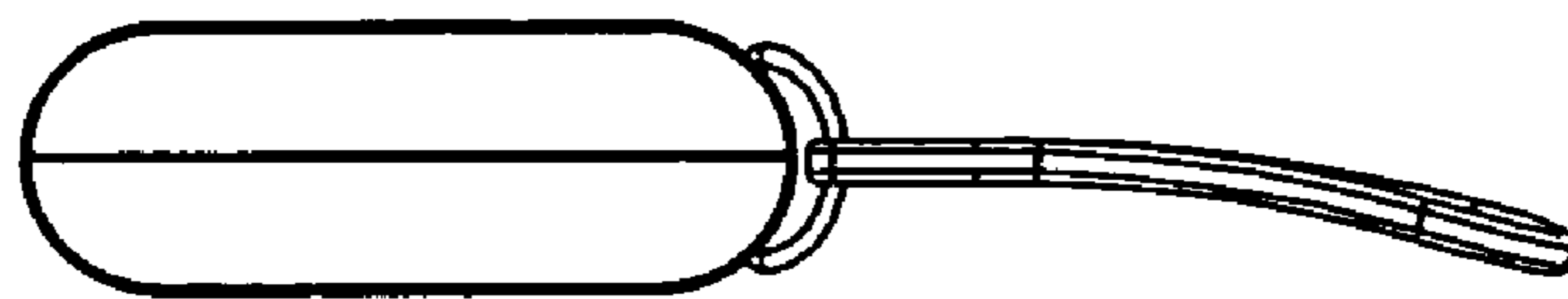


FIG. 7