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

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(54) **CHEMICAL VAPORIZER**

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

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Dec. 21, 2005 (JP) 2005-037566

(51) **LOC (8) Cl.** **23-04**

(52) **U.S. Cl.** **D23/360**

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D23/362-366, 355, 356, 359, 352, 369, 332,
D23/333, 335, 336, 342, 381, 387; 422/120,
422/122; 55/356, 473, 504; 210/497.1;
96/97, 63; D14/188, 170; D24/110; 361/231;
D22/122

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- D286,323 S * 10/1986 Haworth D23/366
- D296,819 S * 7/1988 Suhajda D23/360
- D296,820 S * 7/1988 Suhajda D23/363
- D314,844 S * 2/1991 Baharad D24/110
- 5,065,272 A * 11/1991 Owen et al. 361/231
- D326,512 S * 5/1992 Bianco D23/355
- D326,518 S * 5/1992 Verebelyi D24/110
- D327,121 S * 6/1992 Ramsey et al. D23/355

- D337,817 S * 7/1993 Brock D23/356
- D355,961 S * 2/1995 Cunning D23/360
- 5,601,636 A * 2/1997 Glucksman 96/63
- D391,369 S * 2/1998 Anderson D24/110
- D392,733 S * 3/1998 Gatzemeyer et al. D23/366
- D400,973 S * 11/1998 Hall et al. D23/365
- D433,091 S * 10/2000 Carey et al. D22/122
- D464,720 S * 10/2002 Lohkamp D23/355
- D485,340 S * 1/2004 Wu D23/366
- D517,673 S * 3/2006 Yamamoto et al. D23/366
- D528,643 S * 9/2006 Wang D23/364

* cited by examiner

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(57) **CLAIM**

The ornamental design for a chemical vaporizer, as shown and described.

DESCRIPTION

FIG. 1 is a front view showing a chemical vaporizer of the present design;

FIG. 2 is a rear view thereof;

FIG. 3 is a left-side view thereof;

FIG. 4 is a right-side view thereof;

FIG. 5 is a top view thereof;

FIG. 6 is a bottom view thereof;

FIG. 7 is a cross-sectional view taken along line 7—7 of FIG. 1; and,

FIG. 8 is a cross-sectional view taken along line 8—8 of FIG. 1.

1 Claim, 4 Drawing Sheets

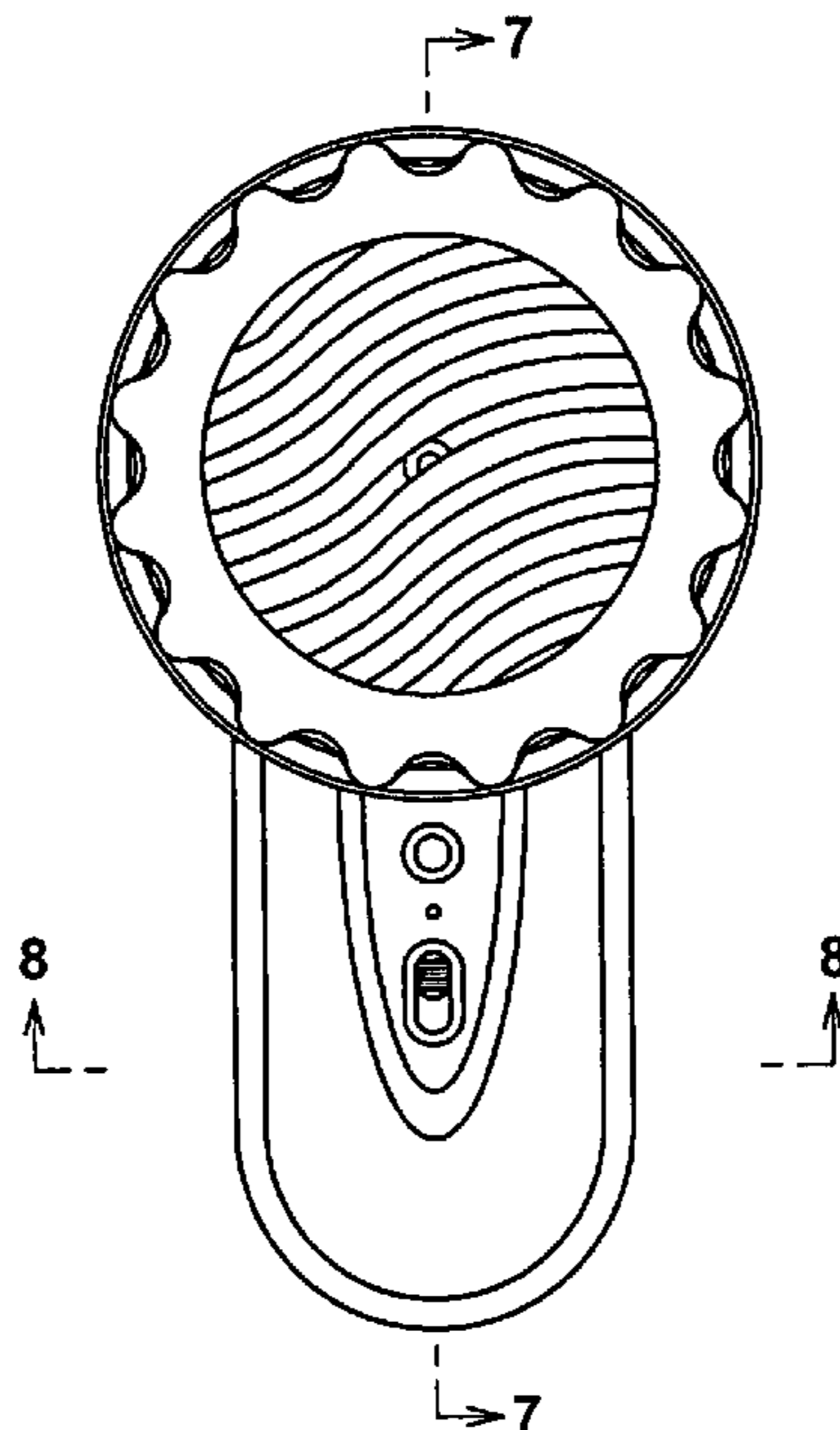


FIG. 1

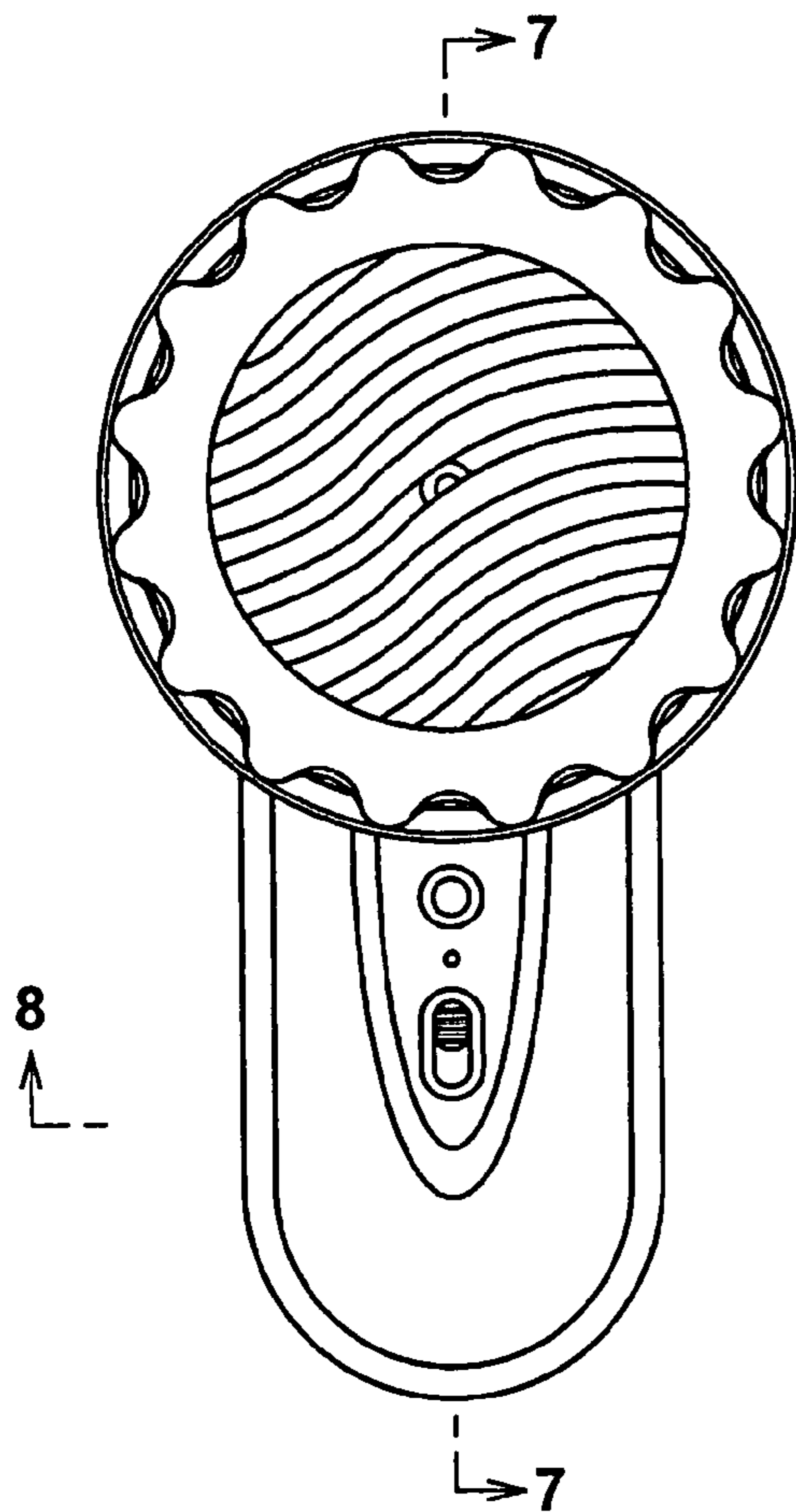


FIG. 2

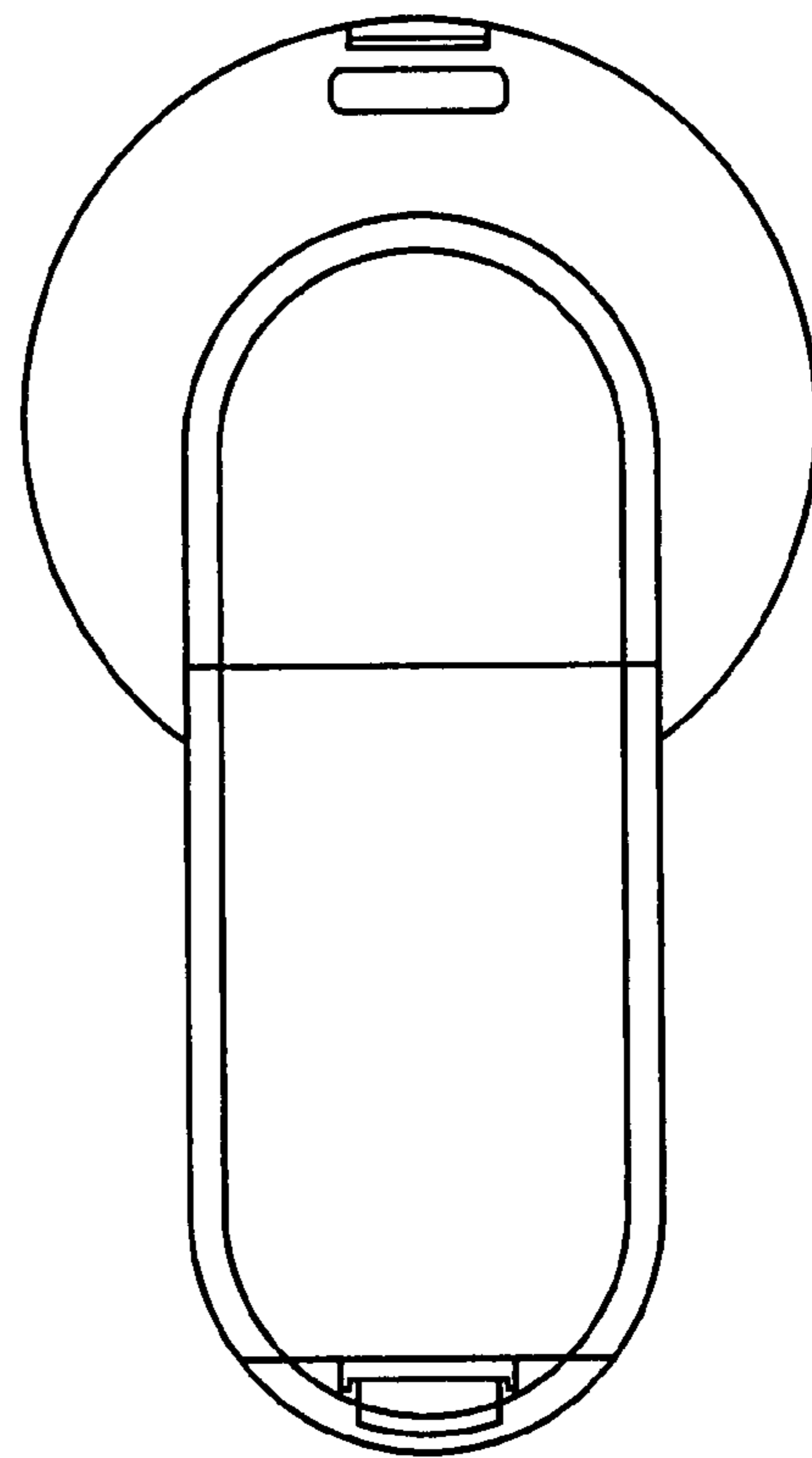


FIG. 3

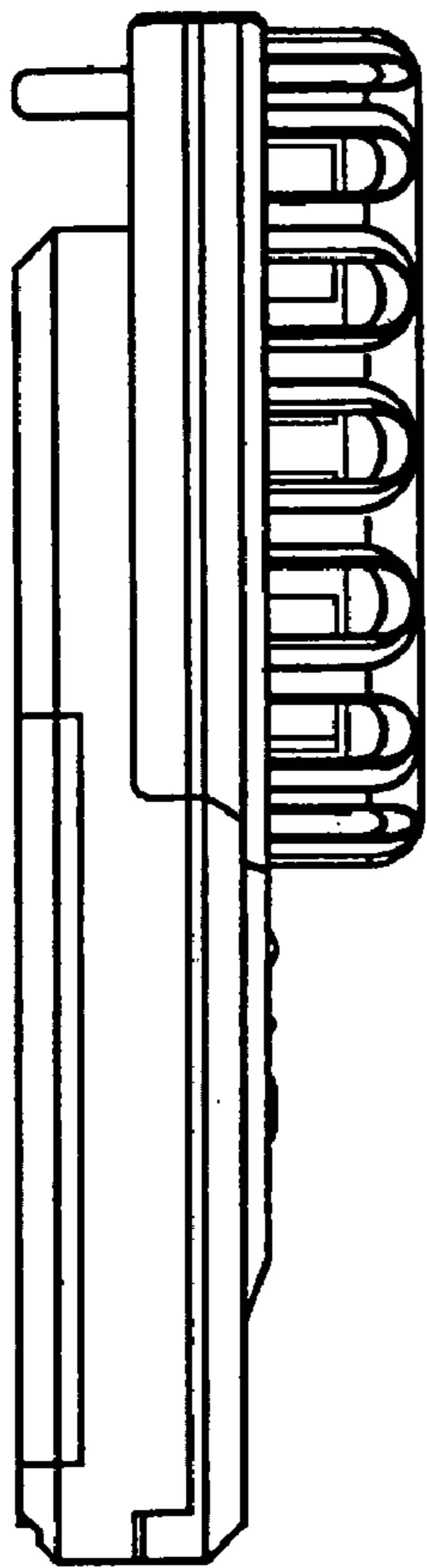


FIG. 4

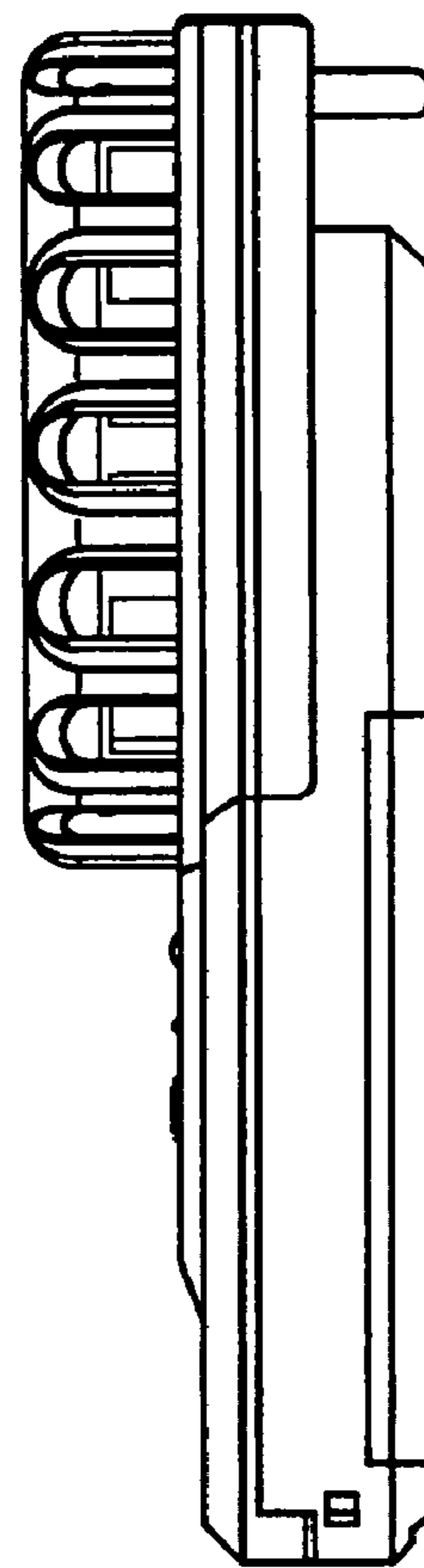


FIG. 5

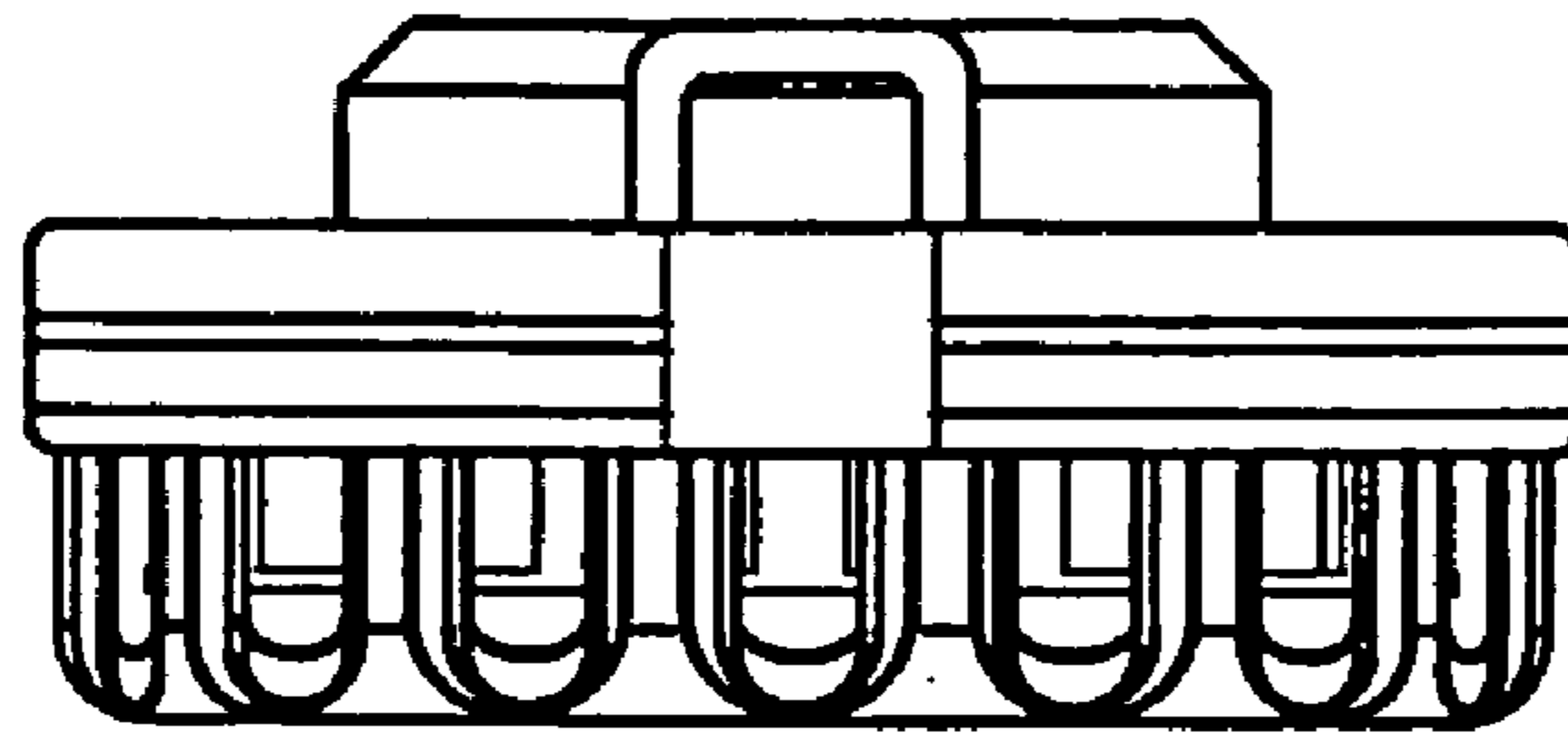


FIG. 6

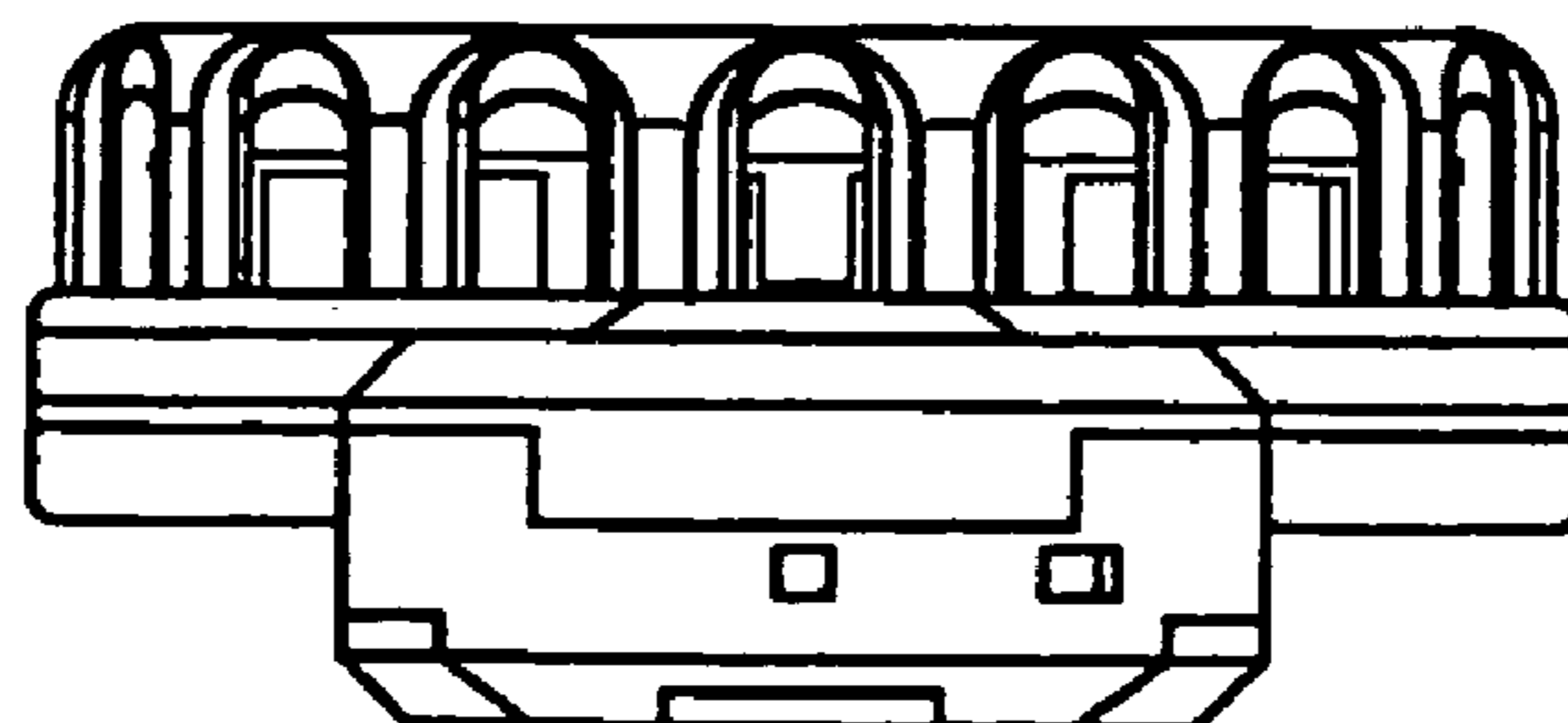


FIG. 7

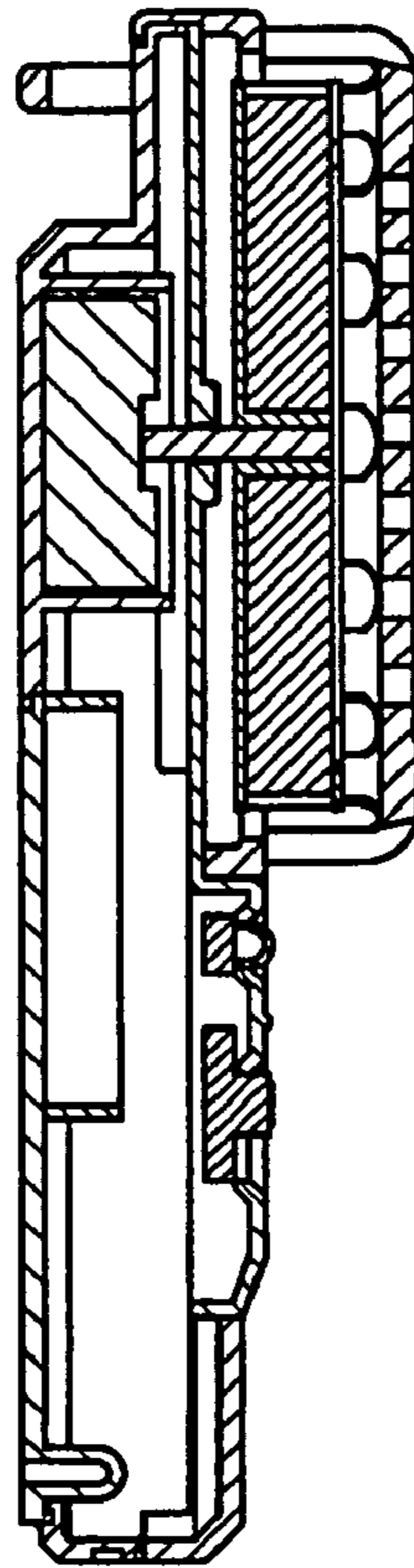


FIG. 8

