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

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(54) **MINI PORTABLE DISK DRIVE**

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

(21) Appl. No.: **29/198,283**

(22) Filed: **Jan. 29, 2004**

(51) **LOC (8) Cl.** ..... **14-02**

(52) **U.S. Cl.** ..... **D14/363**

(58) **Field of Classification Search** ..... D14/365,  
D14/363, 356, 348, 341, 432, 433, 434-35,  
D14/439, 483; 361/625, 725, 683-86, 737,  
361/732, 784, 803; 70/58, 30; 711/115; 439/165,  
439/173, 31, 135, 140, 144; 429/185, 96;  
708/142; 360/69, 98.02, 99.01; D13/184,  
D13/199; 174/250, 255; 235/492, 441; 710/68,  
710/61, 62, 74

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

5,371,349 A \* 12/1994 Kimura ..... 235/492

D444,788 S \* 7/2001 Do et al. .... D14/433  
6,490,163 B1 \* 12/2002 Pua et al. .... 361/737  
2002/0083239 A1 \* 6/2002 Lida et al. .... 710/74

\* cited by examiner

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(57) **CLAIM**

The ornamental design for a mini portable disk drive, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a mini portable disk drive showing our new design;

FIG. 2 is right side elevational view thereof;

FIG. 3 is a top view thereof;

FIG. 4 is front view thereof;

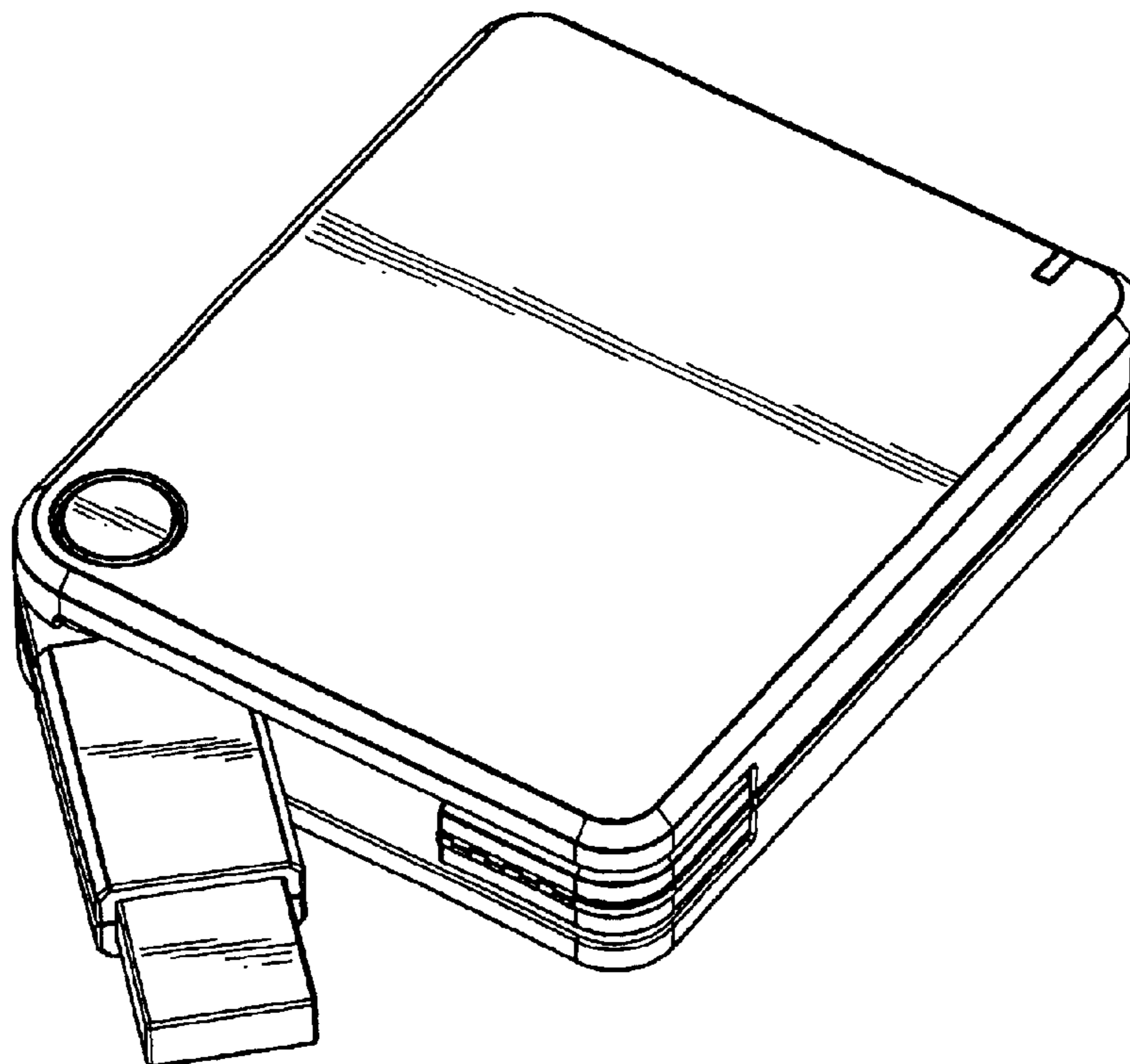
FIG. 5 is a bottom view thereof;

FIG. 6 is a left side elevational view thereof; and

FIG. 7 is a rear view thereof; and,

FIG. 8 is a perspective view when mini portable disk drive is in use.

**1 Claim, 5 Drawing Sheets**



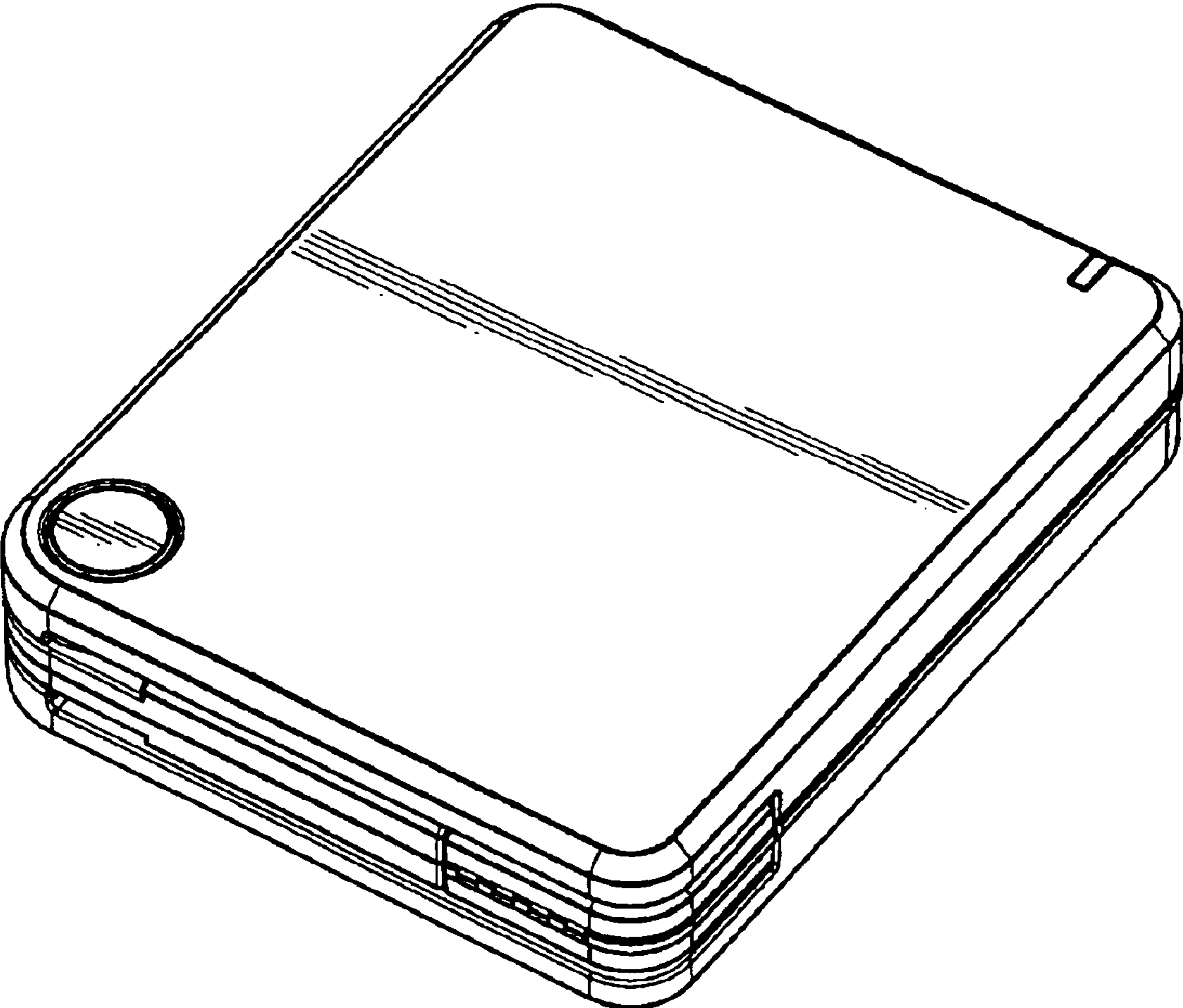


FIG. 1

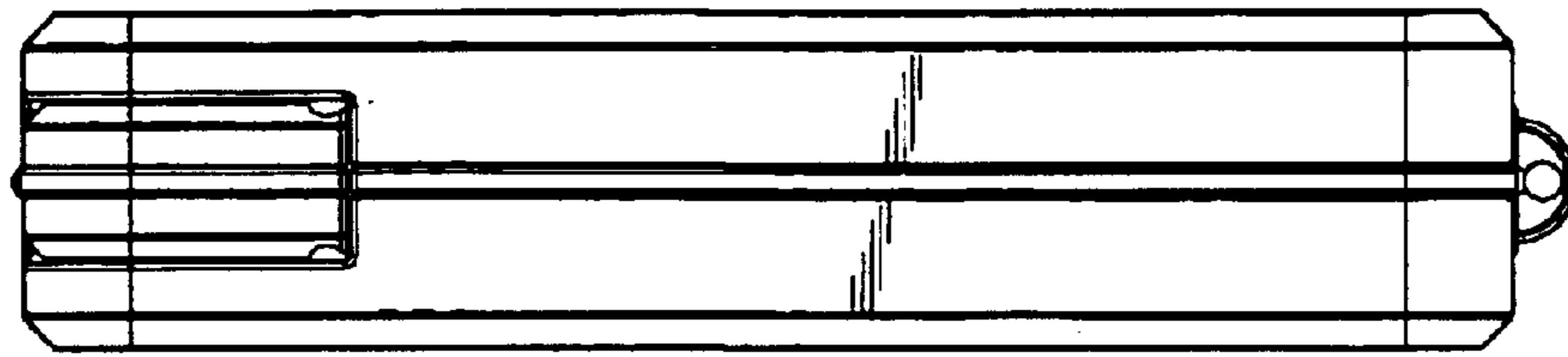


FIG. 2

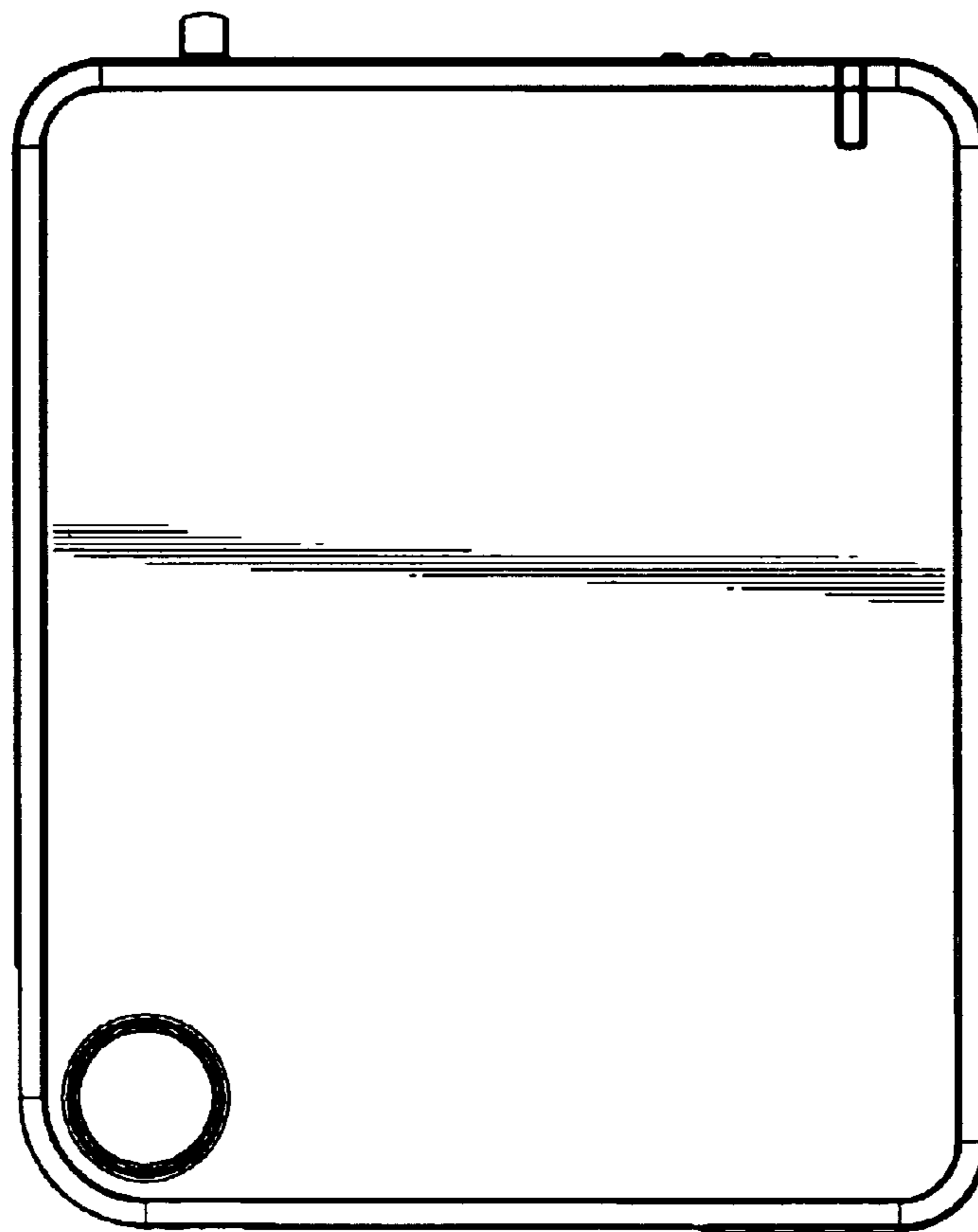


FIG. 3

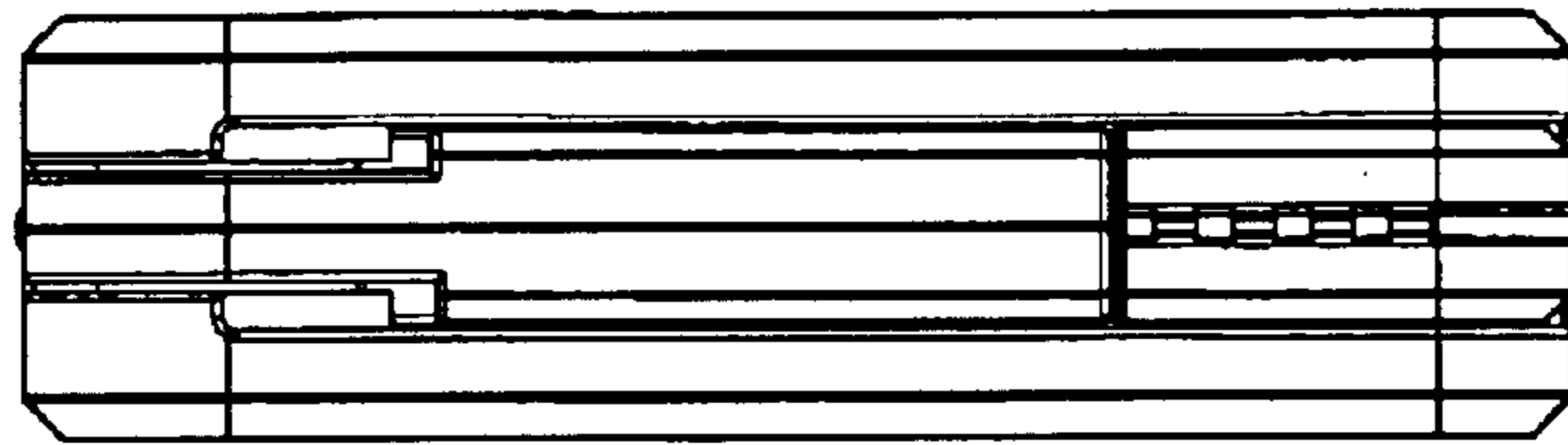


FIG. 4

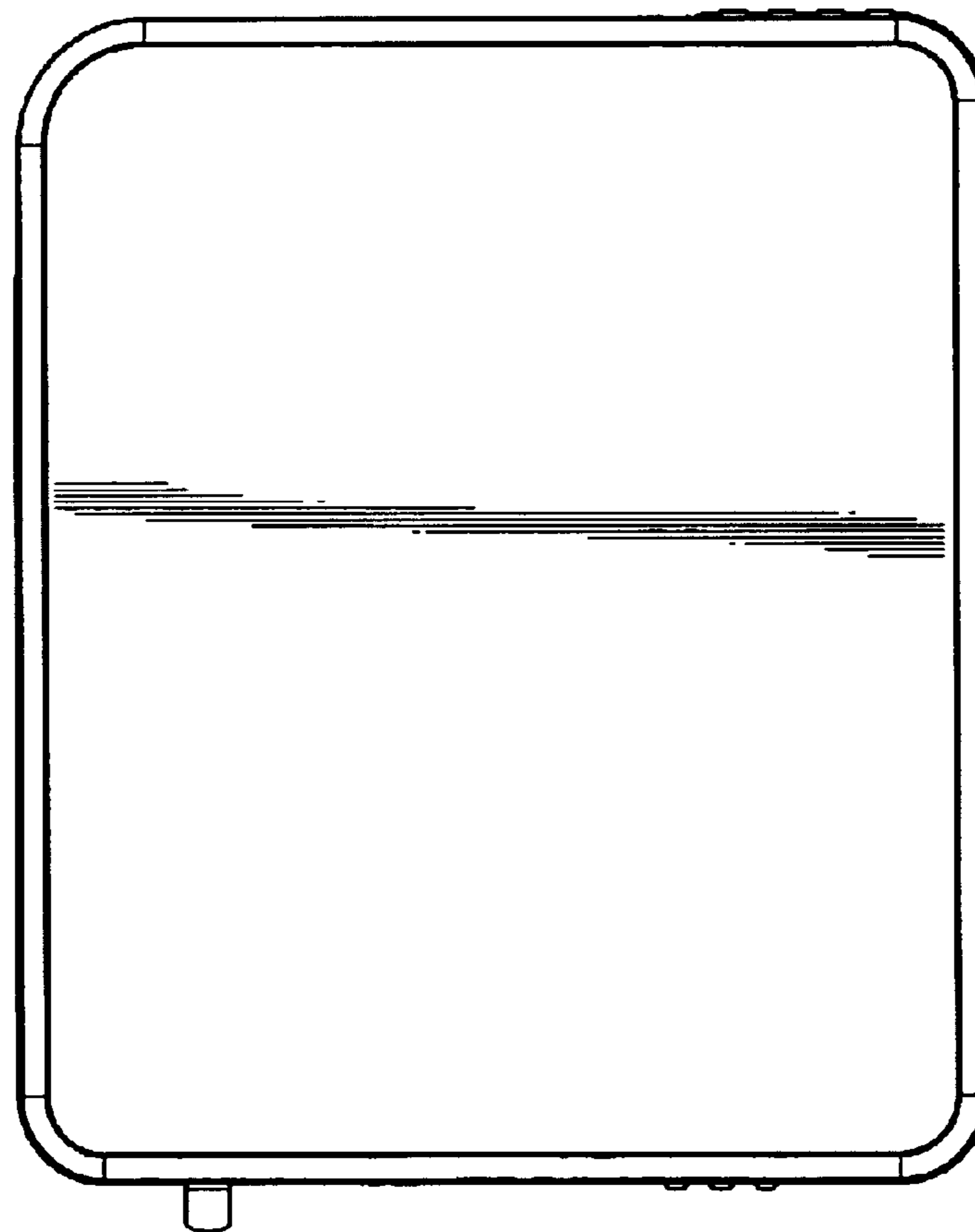


FIG. 5

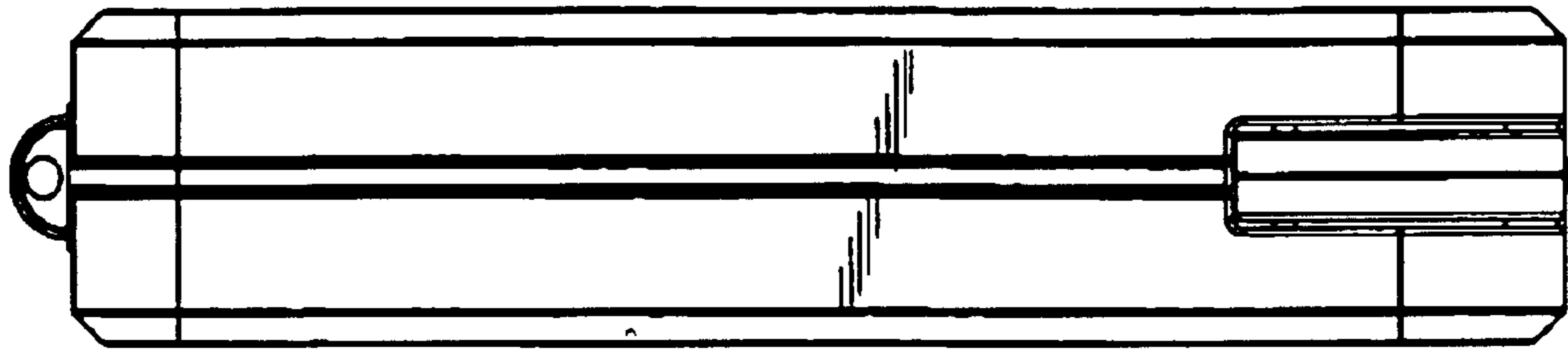


FIG. 6

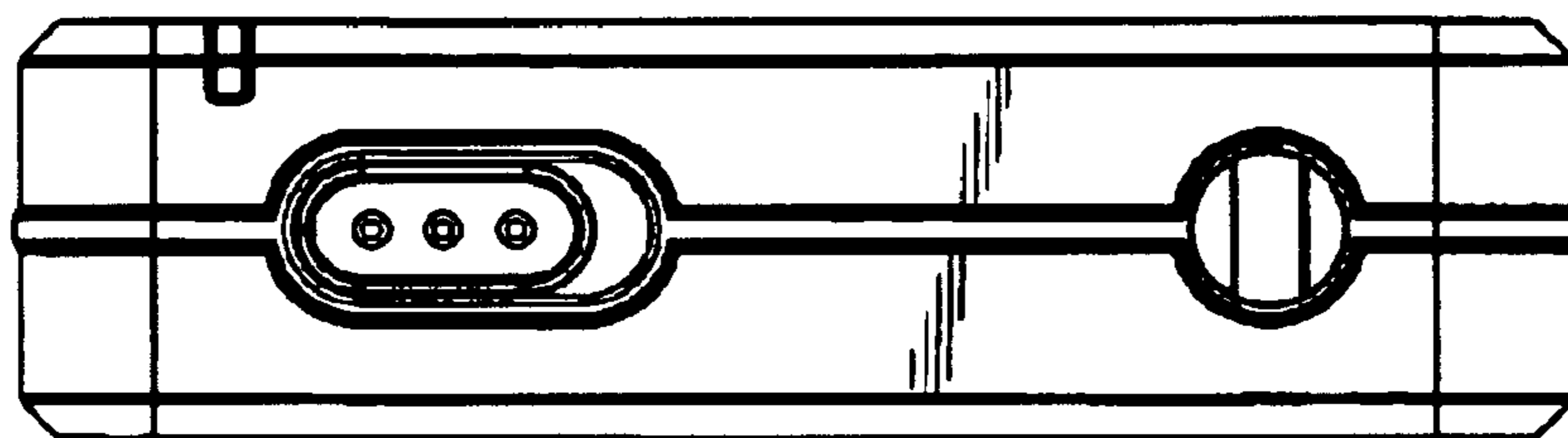


FIG. 7

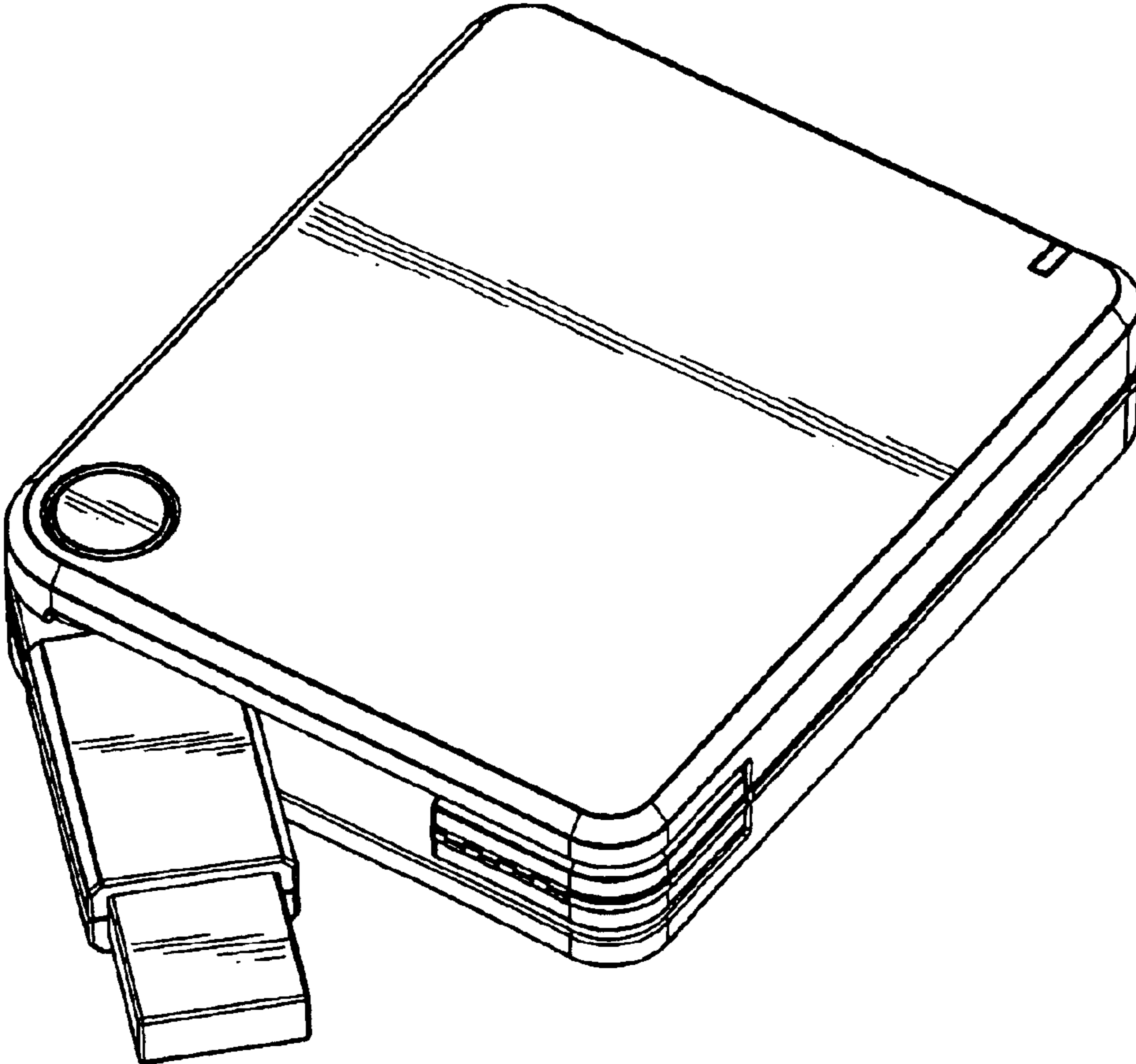


FIG. 8