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United States Patent [19]

Sawada et al.

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[54] FREQUENCY CHANGER FOR RECEIVING SATELLITE BROADCASTING

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[**] Term: **14 Years**

[21] Appl. No.: **54,229**

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[30] Foreign Application Priority Data

Dec. 14, 1995 [JP] Japan 7-37911
 [52] U.S. Cl. **D14/230**; D14/231
 [58] Field of Search D14/230, 231;
 310/127; 343/720, 761, 781 R, 907-909

[56] References Cited

U.S. PATENT DOCUMENTS

D. 306,593 3/1990 Ono et al. D14/231
 D. 363,488 10/1995 Shumaker D14/230
 5,337,062 8/1994 Sherwood et al. 343/761 X
 5,438,340 8/1995 Fukuzawa et al. 343/781 R
 5,448,254 9/1995 Schneeman et al. 343/781 R

FOREIGN PATENT DOCUMENTS

932246 12/1995 Japan .
 932567 12/1995 Japan .
 933211 12/1995 Japan .

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[57] CLAIM

The ornamental design for a frequency changer for receiving satellite broadcasting, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the front, top and one side of a frequency changer for receiving satellite broadcasting showing our new design;
 FIG. 2 is a front elevational view thereof;
 FIG. 3 is a top plan view thereof;
 FIG. 4 is a bottom plan view thereof;
 FIG. 5 is a rear elevational view thereof;
 FIG. 6 is a side elevational view of one side, the opposite side being a mirror image thereof; and,
 FIG. 7 is a perspective view of the frequency changer for receiving satellite broadcasting as mounted in relation to a satellite disk which is shown in phantom lines since it is not part of the claimed design.

1 Claim, 2 Drawing Sheets

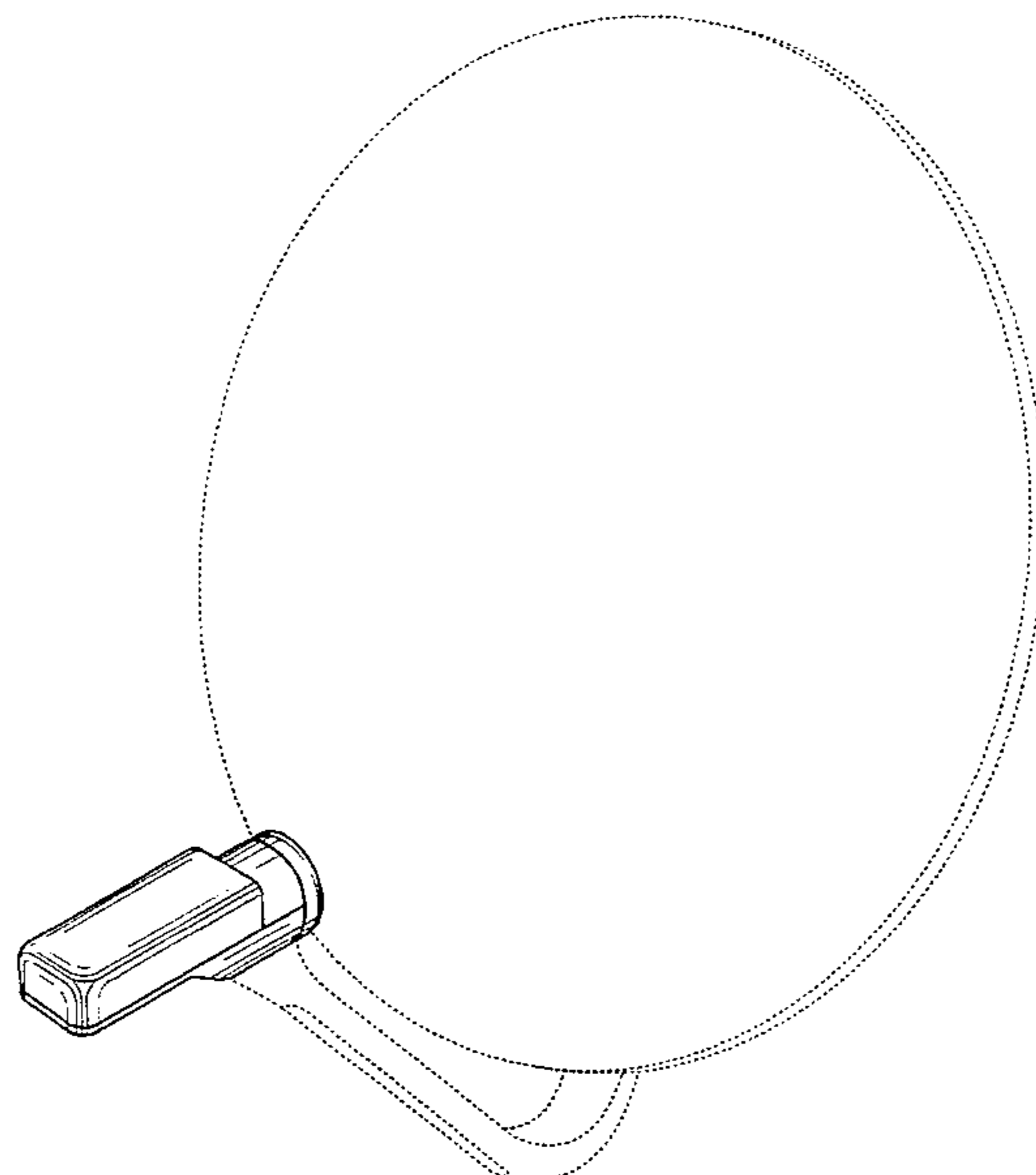
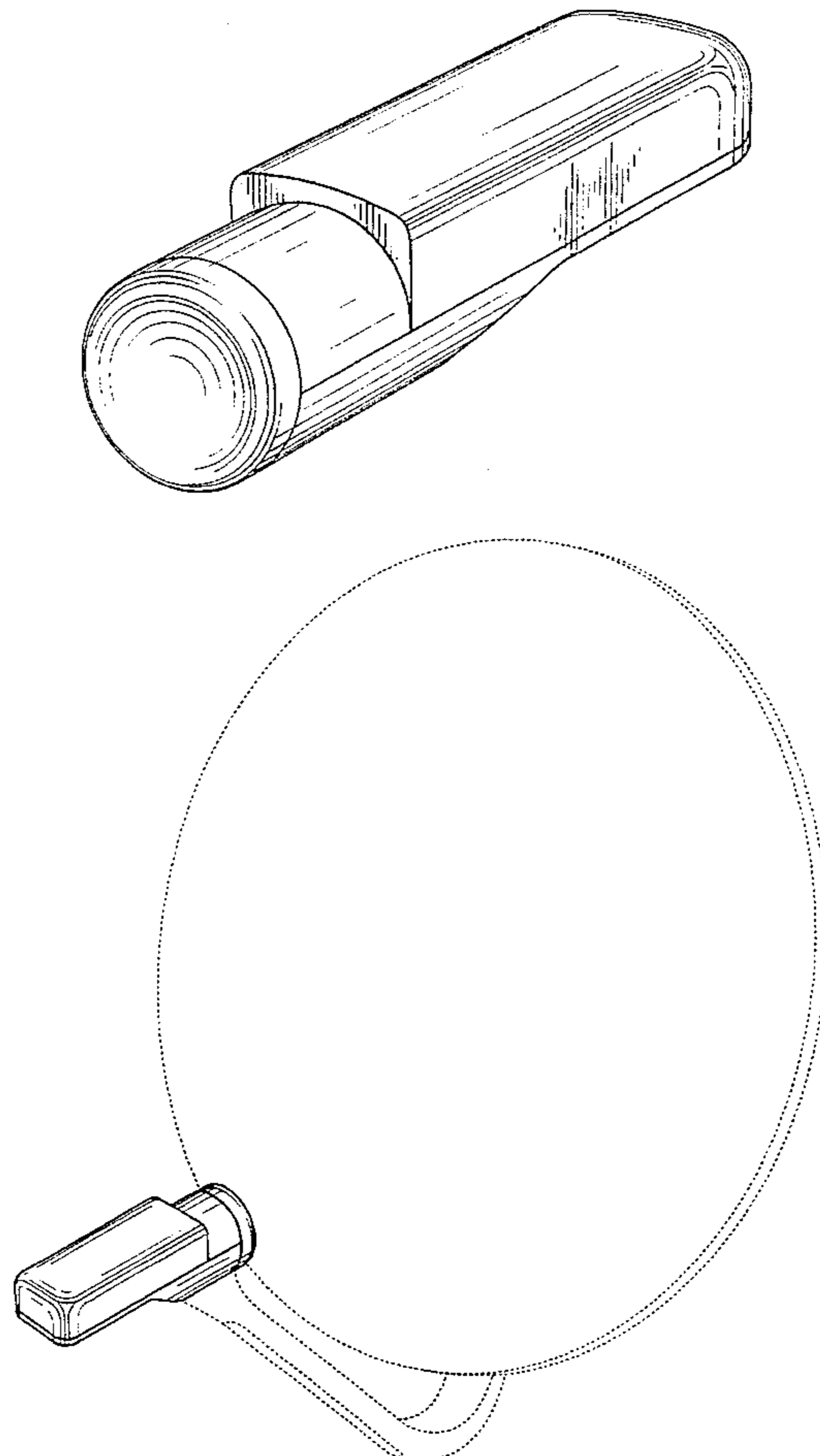


FIG. 1

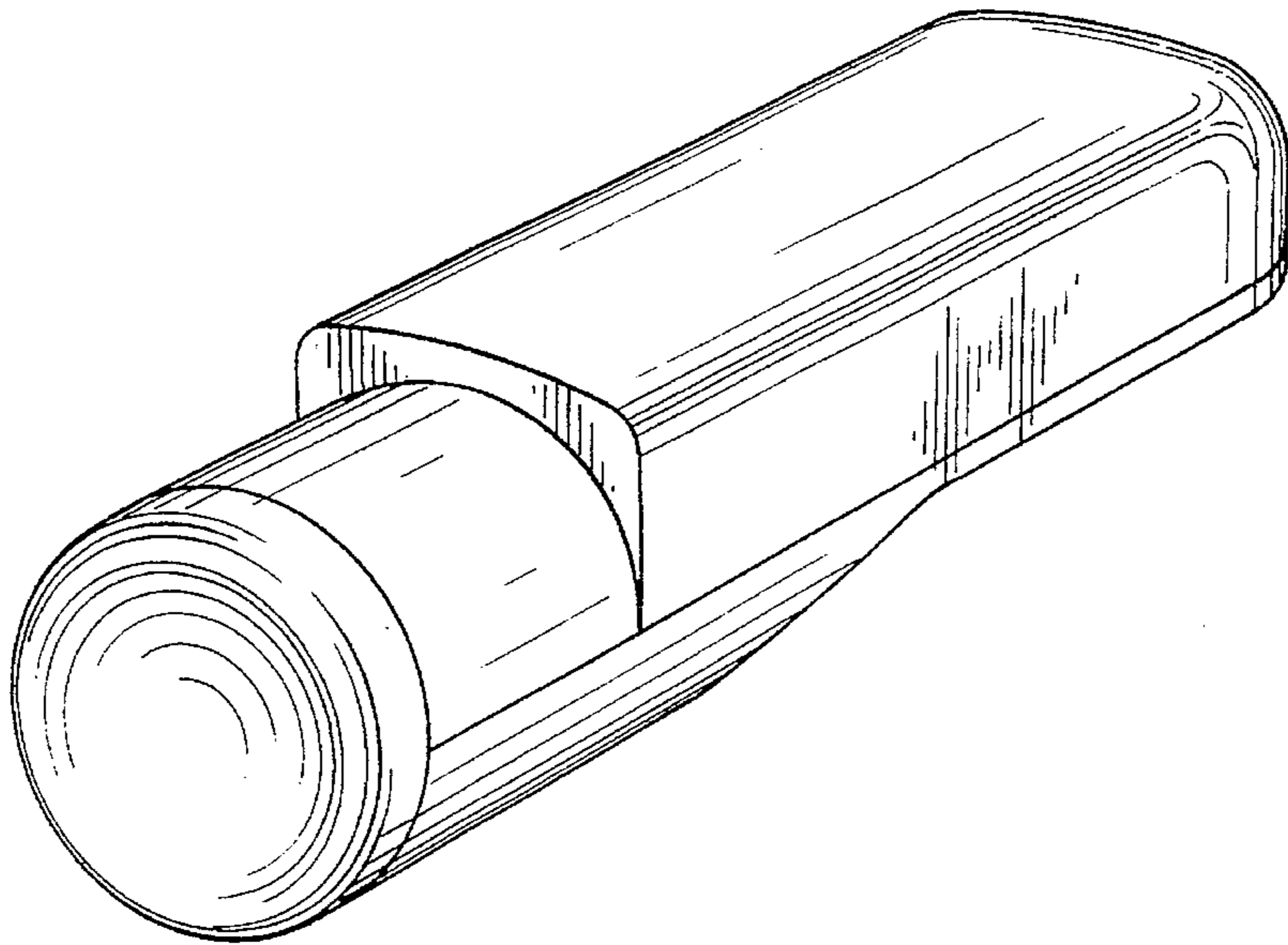


FIG. 2

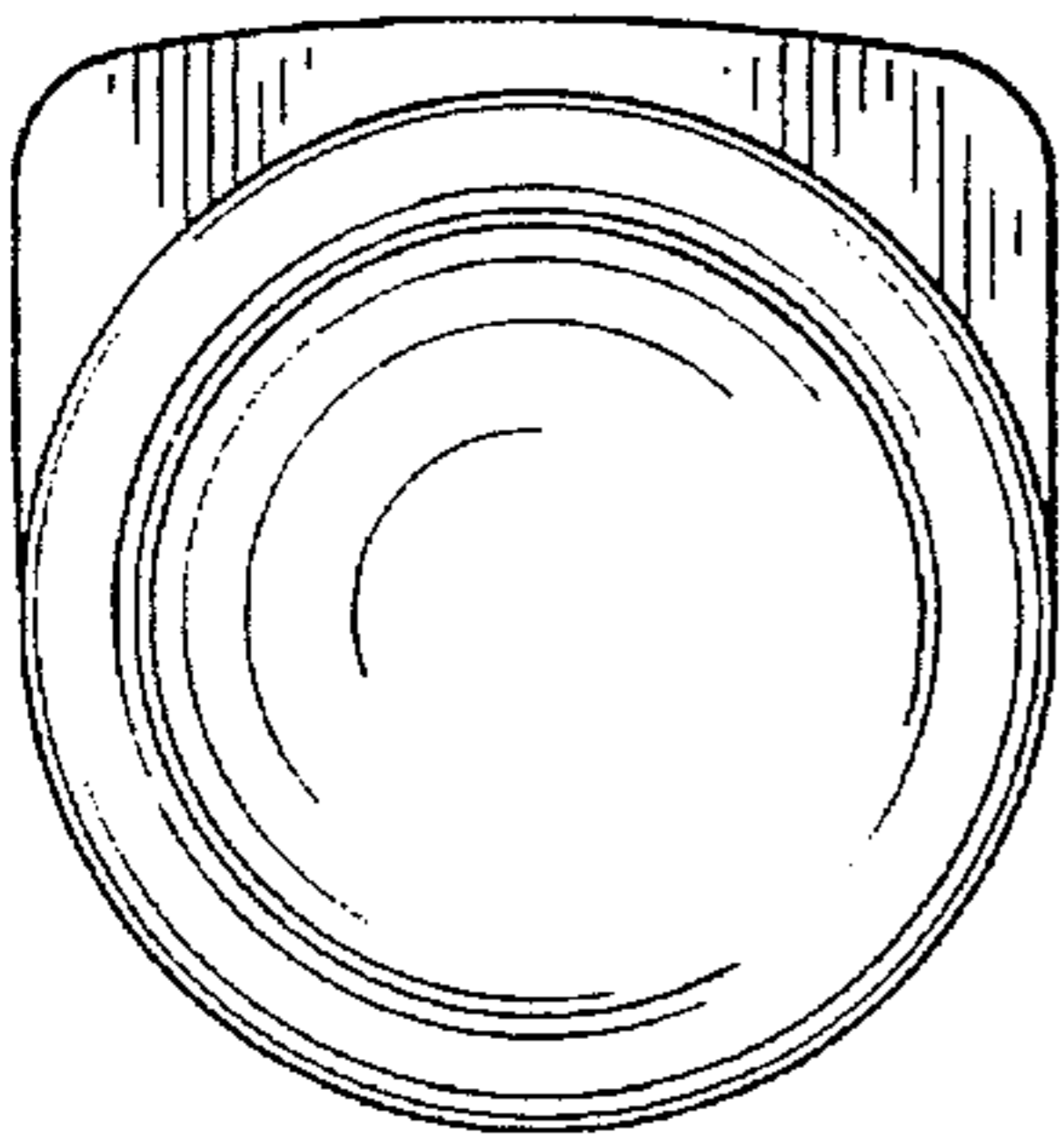


FIG. 3

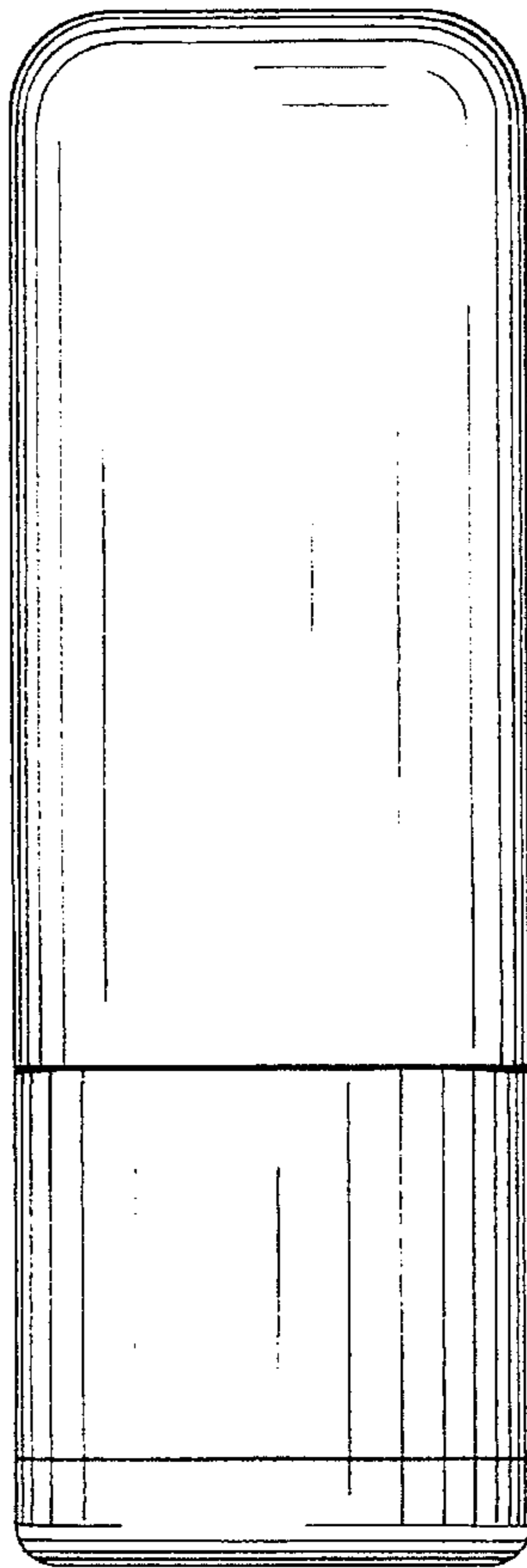


FIG. 4

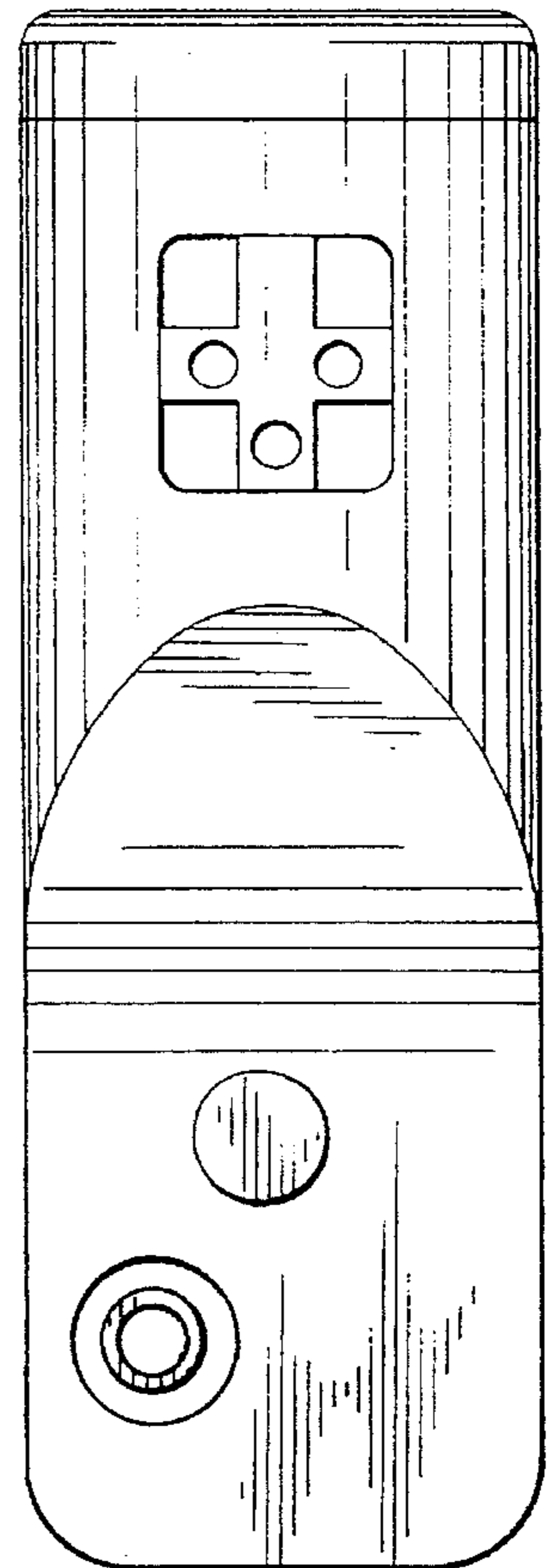


FIG. 5

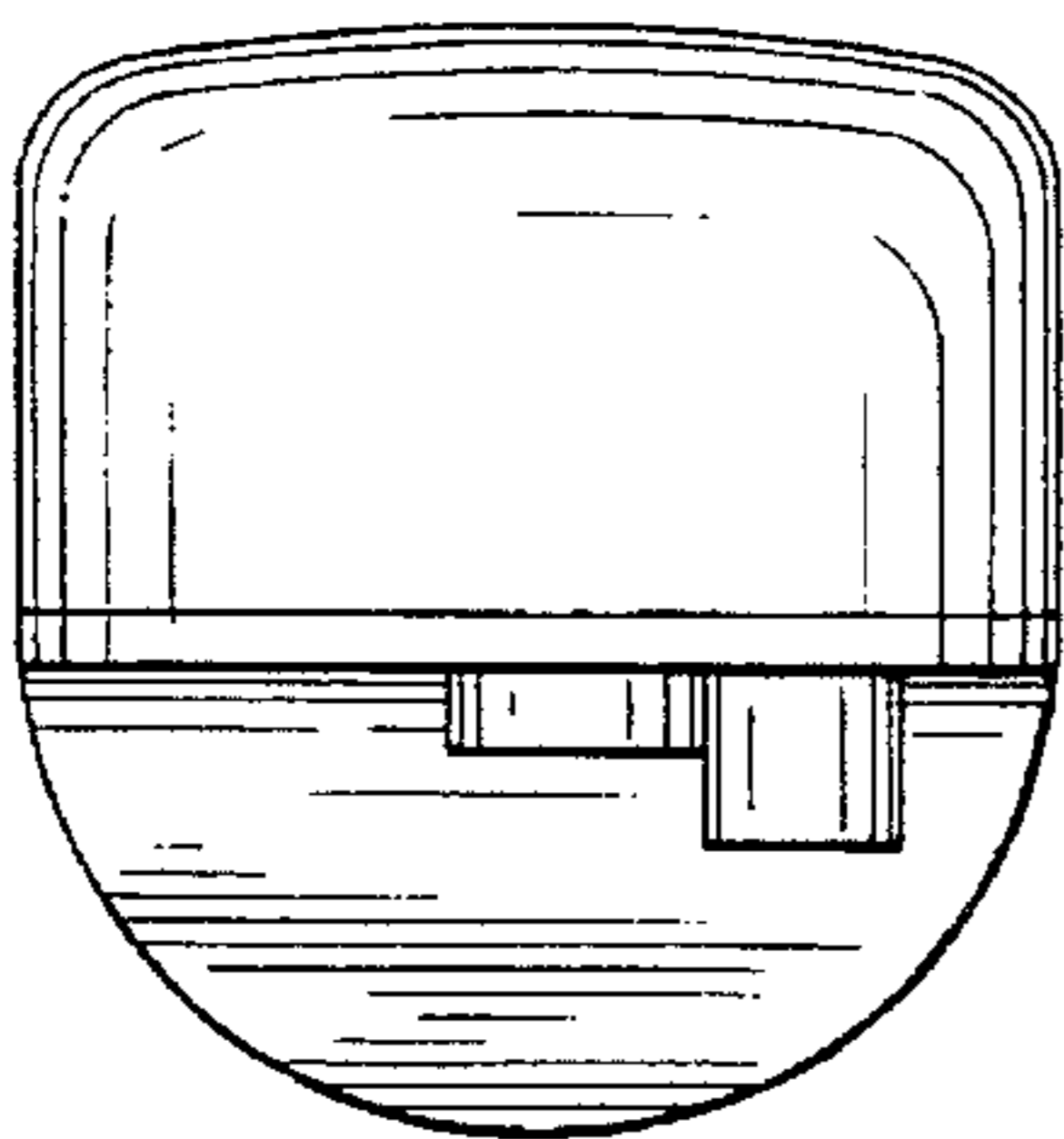


FIG. 6

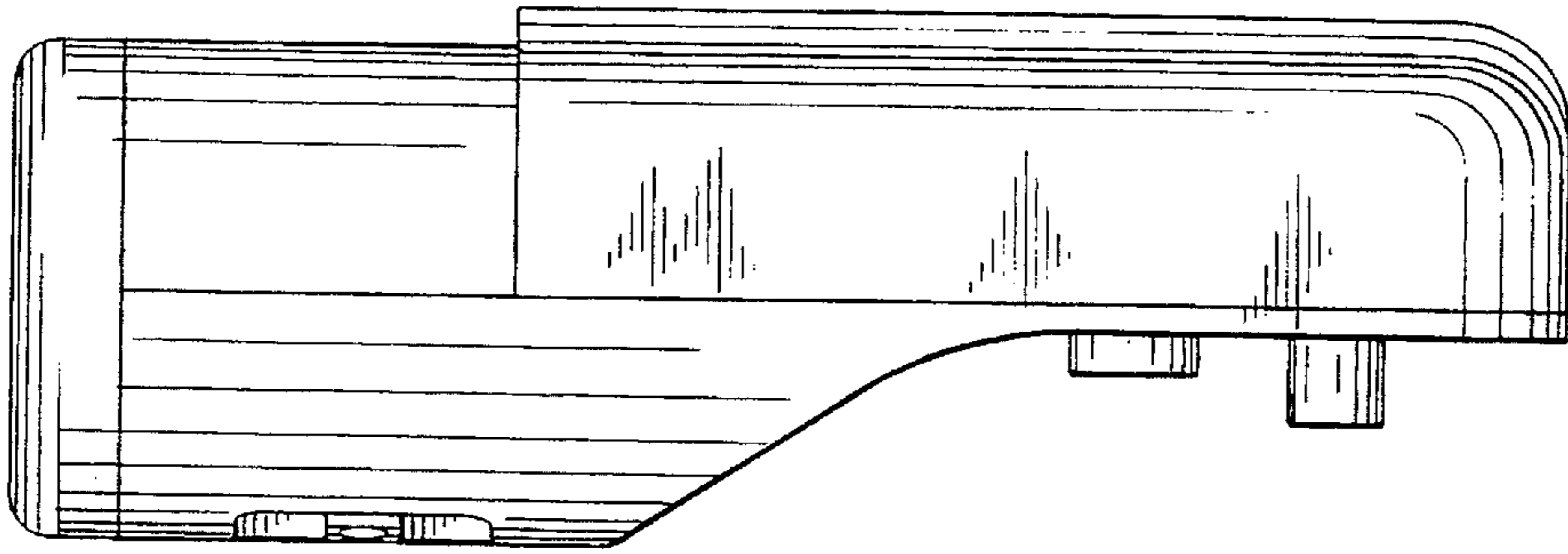


FIG. 7

