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United States Patent [19]

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Fischer et al.

[45] Date of Patent: ****Jul. 2, 1996**

[54] **ASYMMETRICAL BUTTON INSERT FOR ROCK DRILLING**

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5,172,779 12/1992 Siracki et al. 175/428 X
5,421,424 6/1995 Portwood et al. 175/426 X

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[57] **CLAIM**

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

The ornamental design for an asymmetrical button insert for rock drilling, as shown.

[21] Appl. No.: **37,416**

DESCRIPTION

[22] Filed: **Apr. 12, 1995**

FIG. 1 is a right side view of an asymmetrical button insert for rock drilling showing our new design;

[52] U.S. Cl. **D15/139**

FIG. 2 is a side view of the asymmetrical button insert for rock drilling taken at **90°** to the view of FIG. 1;

[58] Field of Search D15/139; 175/371, 175/292, 389, 396, 398, 425-433

FIG. 3 is a front end view of the asymmetrical button insert for rock drilling;

[56] **References Cited**

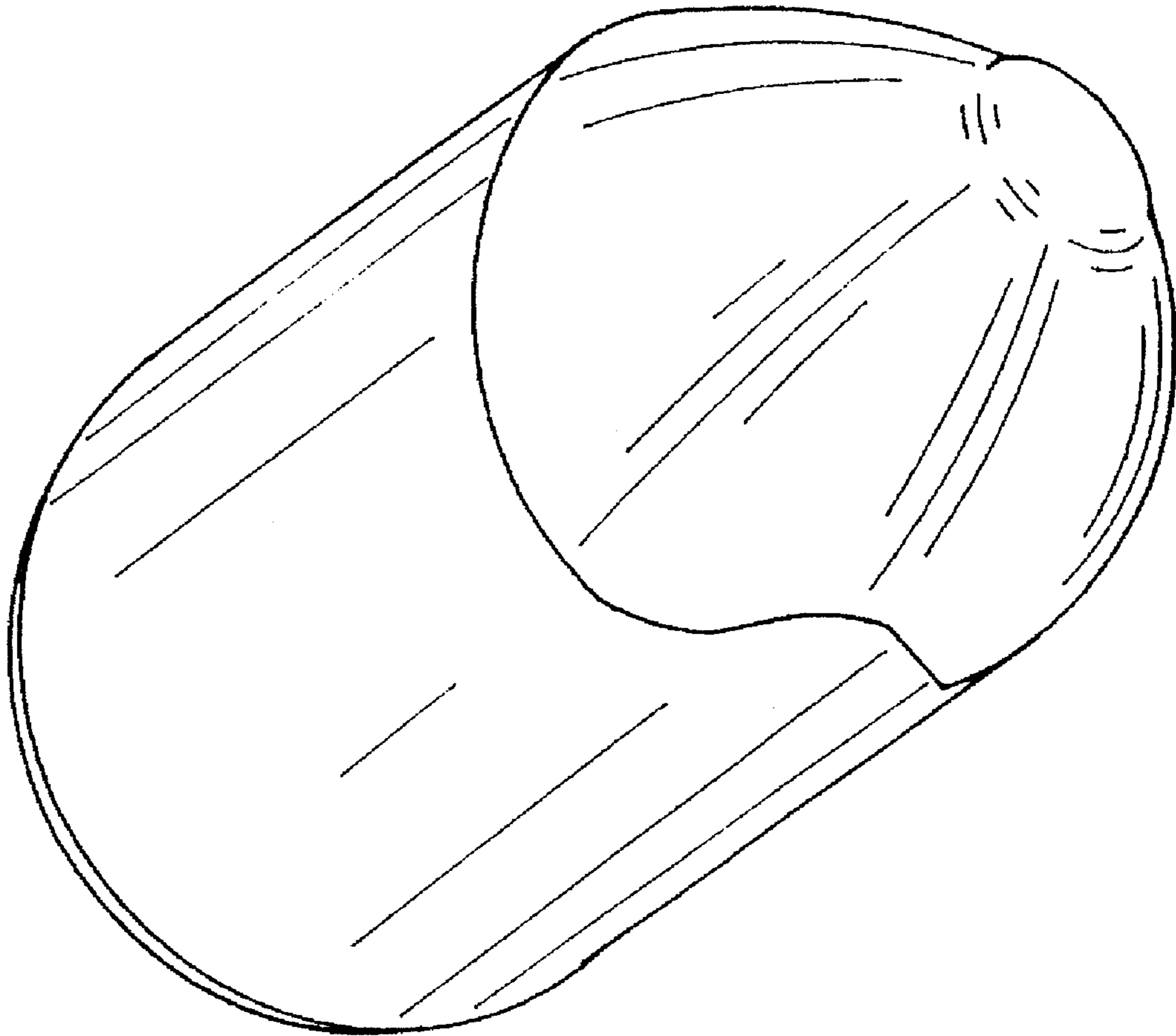
FIG. 4 is a perspective view, taken from the right side and slightly above, of the asymmetrical button insert for rock drilling; and,

U.S. PATENT DOCUMENTS

- D. 357,485 4/1995 Mattsson et al. D15/139
- D. 357,486 4/1995 Mattsson et al. D15/139
- 4,359,335 11/1982 Garnec 175/433 X
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FIG. 5 is a perspective view showing the opposite side of the asymmetrical button insert for rock drilling shown in FIG. 4.

1 Claim, 2 Drawing Sheets



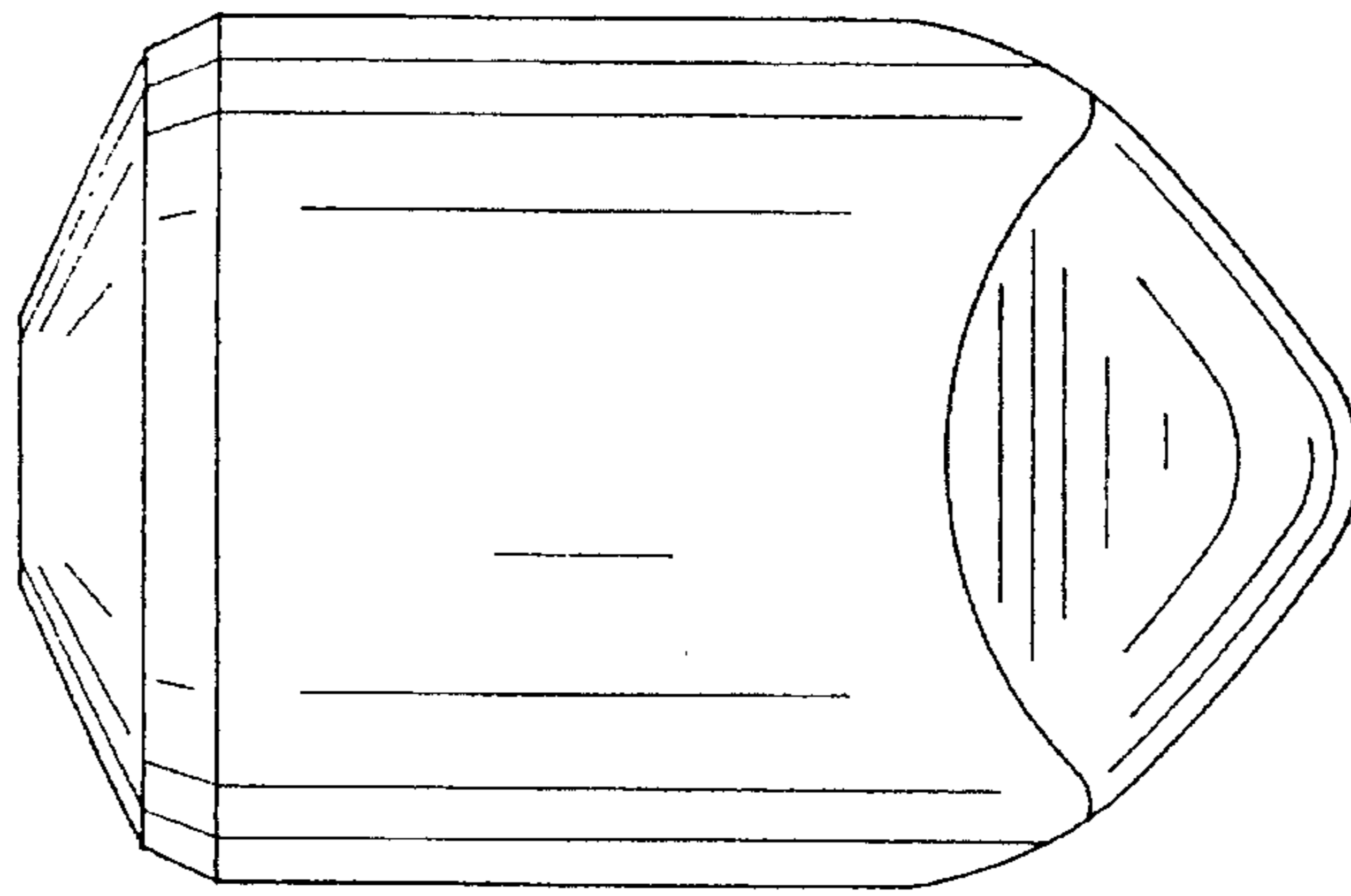


FIG. 1

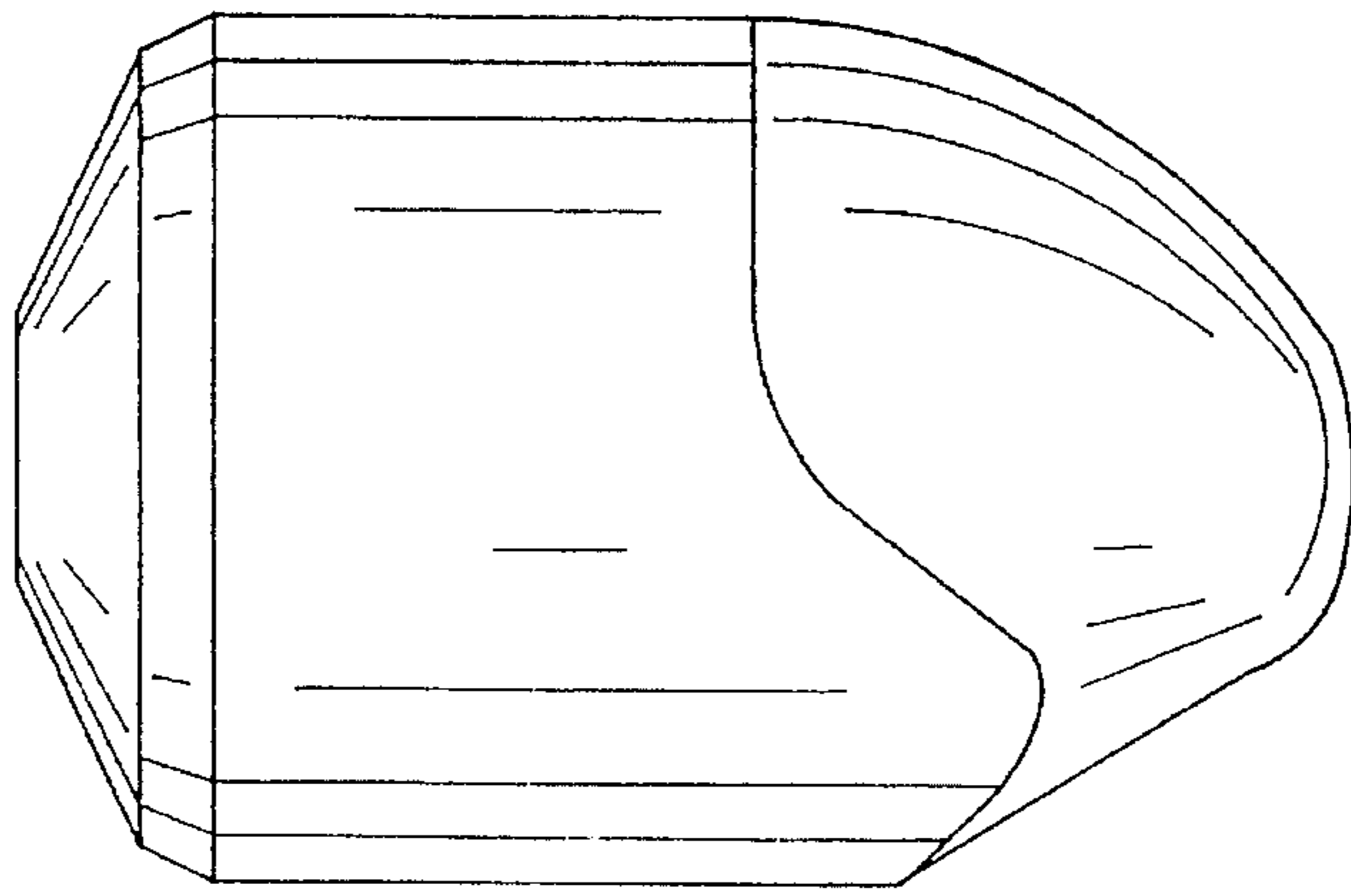


FIG. 2

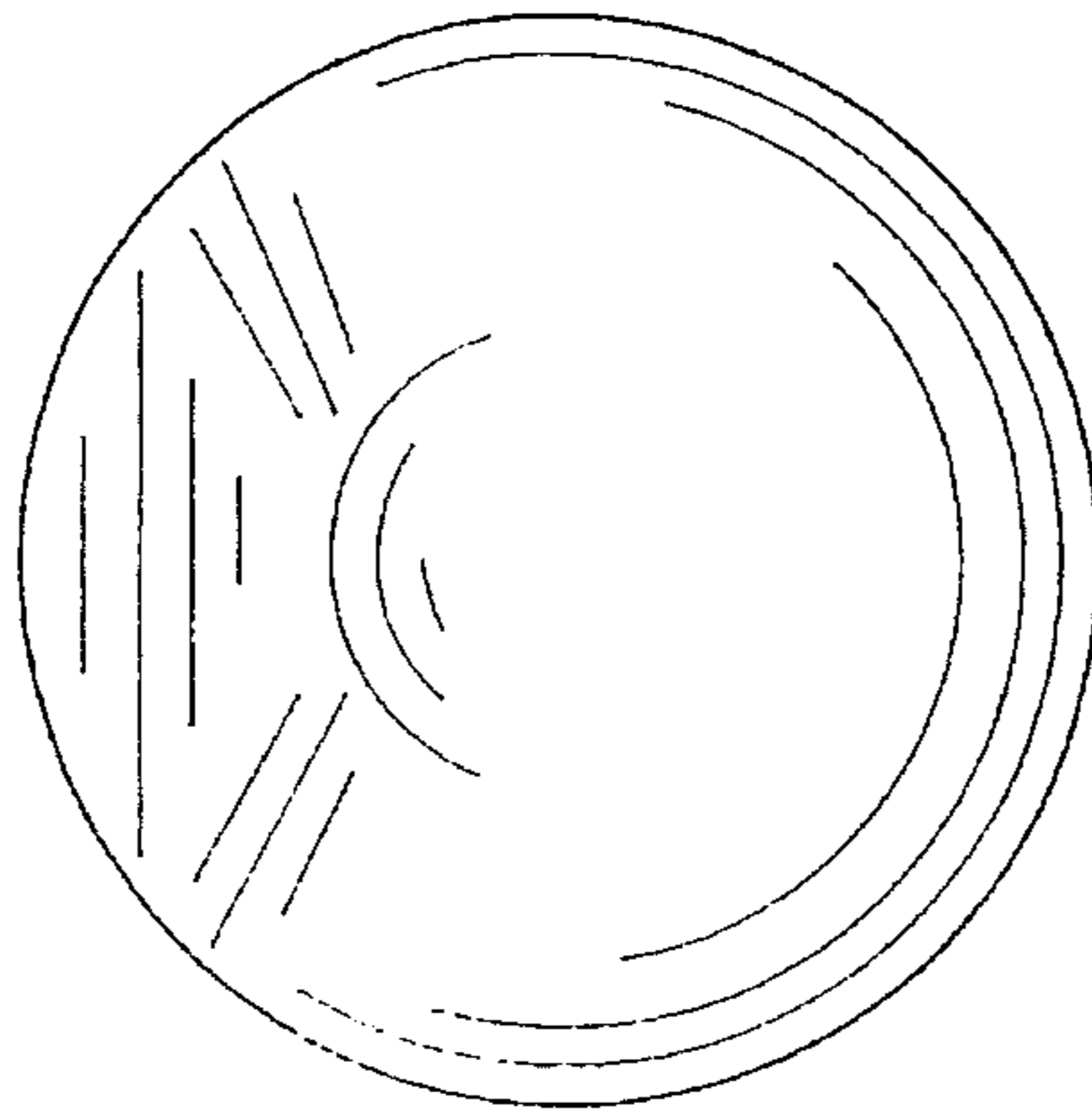


FIG. 3

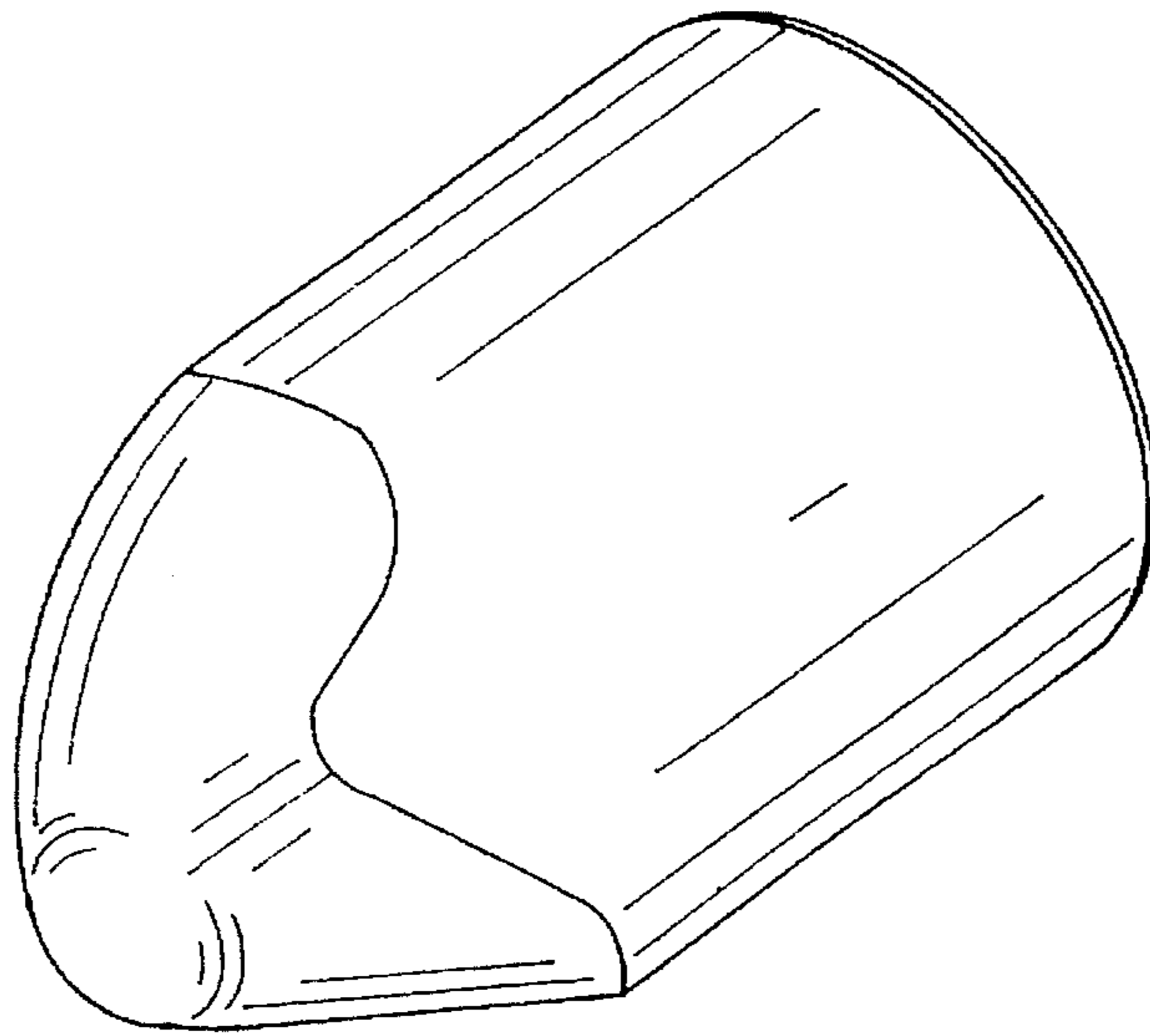


FIG. 4

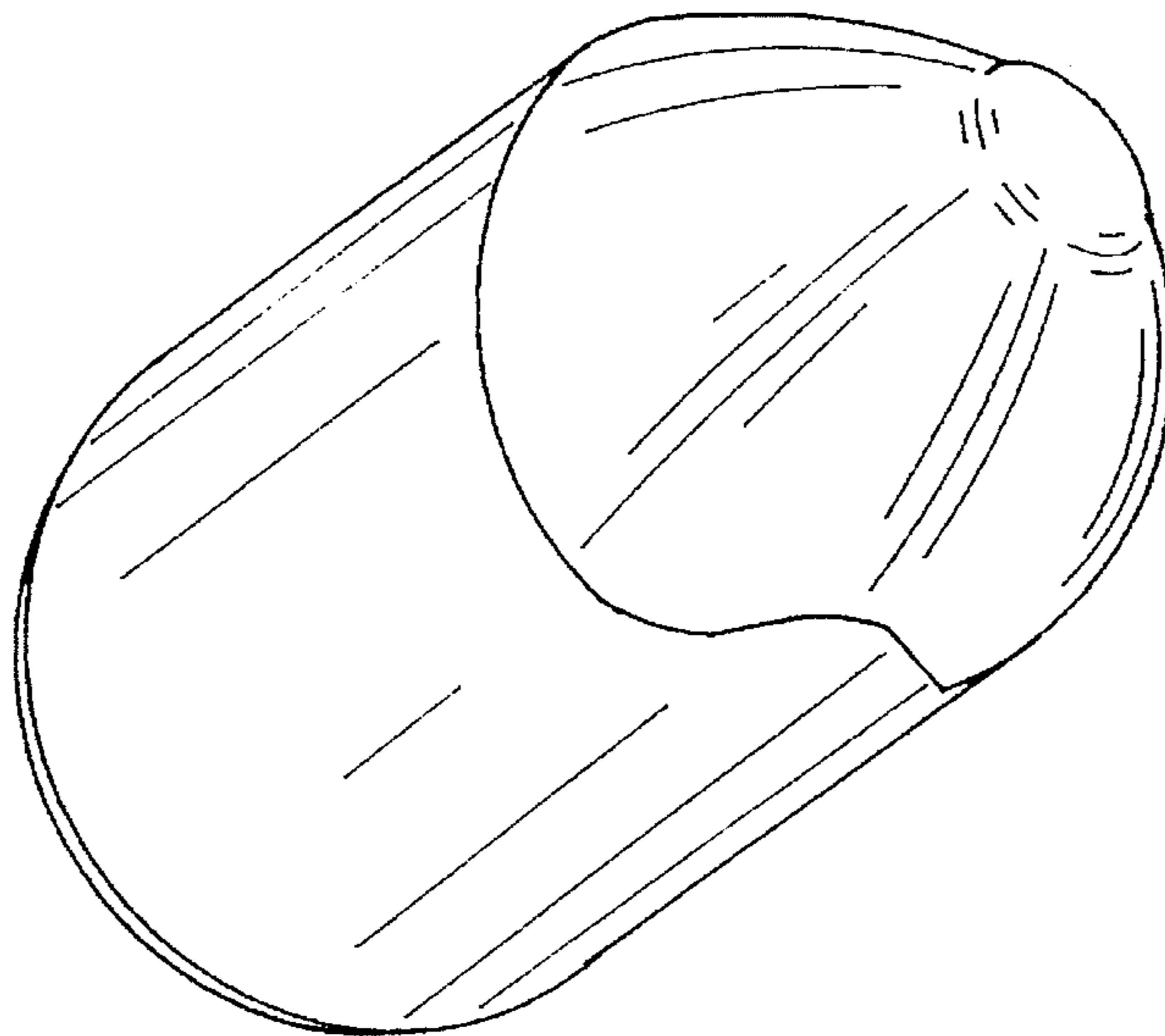


FIG. 5