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

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(54) **SUB WOOFER**

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

(21) Appl. No.: **29/202,774**

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(51) **LOC (8) Cl.** **14-01**

(52) **U.S. Cl.** **D14/214**

(58) **Field of Classification Search** D14/204,
D14/207, 209–216, 356; 181/143–144, 147–148,
181/150, 157, 198–199, 151, 153; 381/300–302,
381/306, 333, 345, 361–364, 386–388, 332,
381/336

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D231,992 S * 7/1974 Yanagisawa et al. D14/214

D263,394 S * 3/1982 Szabo D14/214
D282,255 S * 1/1986 Ross D14/214
4,805,730 A * 2/1989 O'Neill et al. 181/148
D340,245 S * 10/1993 Christie D14/214
D387,764 S * 12/1997 Ross, Sr. D14/214
D397,115 S * 8/1998 Gremchuck D14/214
D421,754 S * 3/2000 Ito et al. D14/214
D480,707 S * 10/2003 Bolton et al. D14/214

* cited by examiner

Primary Examiner—Nanda Bondade

(57) **CLAIM**

The ornamental design for a sub woofer, as shown.

DESCRIPTION

FIG. 1 is a perspective view of a sub woofer showing our new design;

FIG. 2 is a front elevational view thereof;

FIG. 3 is a rear elevational view thereof;

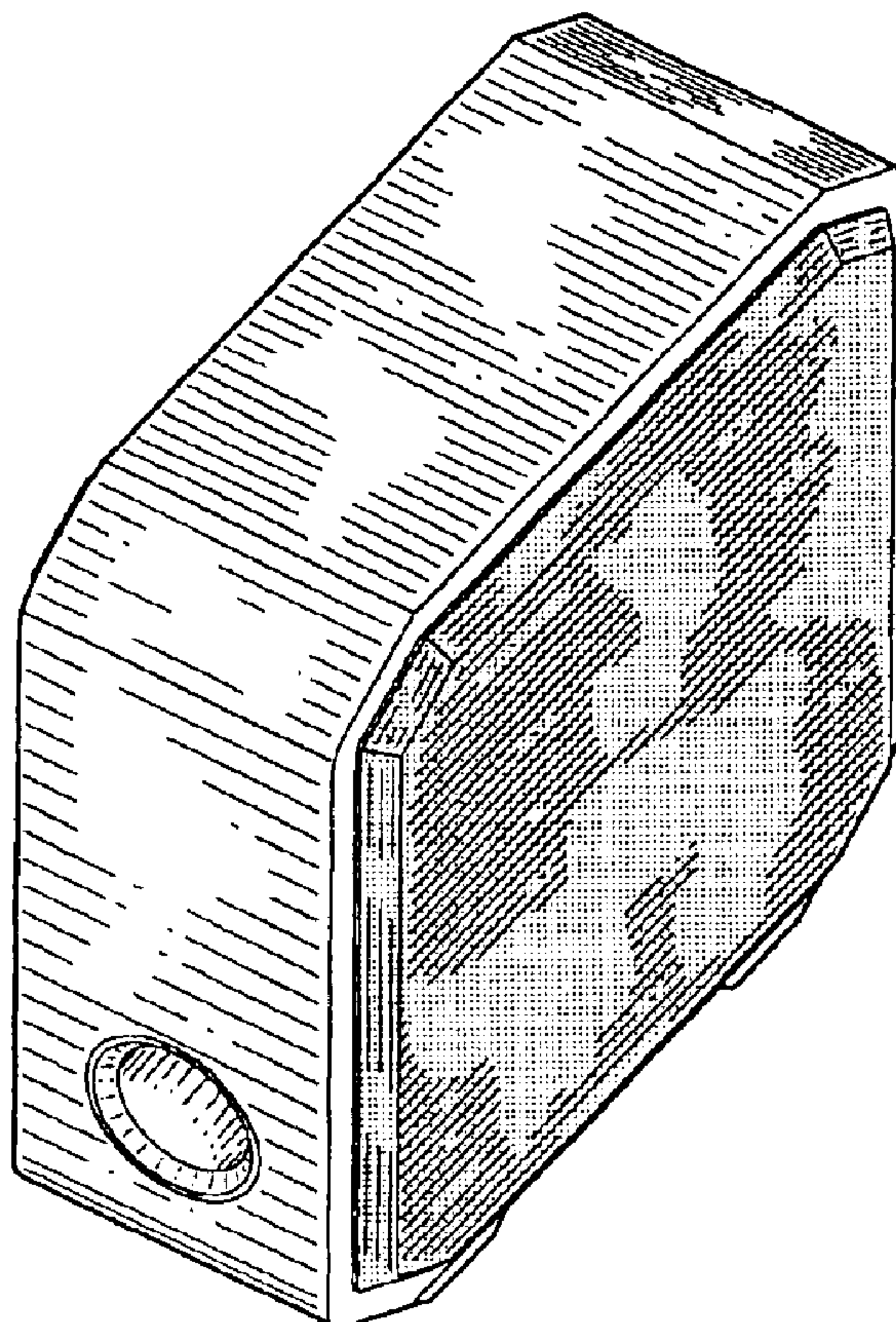
FIG. 4 is a right side elevational view thereof;

FIG. 5 is a left side elevational view thereof;

FIG. 6 is a top plan view thereof; and,

FIG. 7 is a bottom plan view thereof.

1 Claim, 4 Drawing Sheets



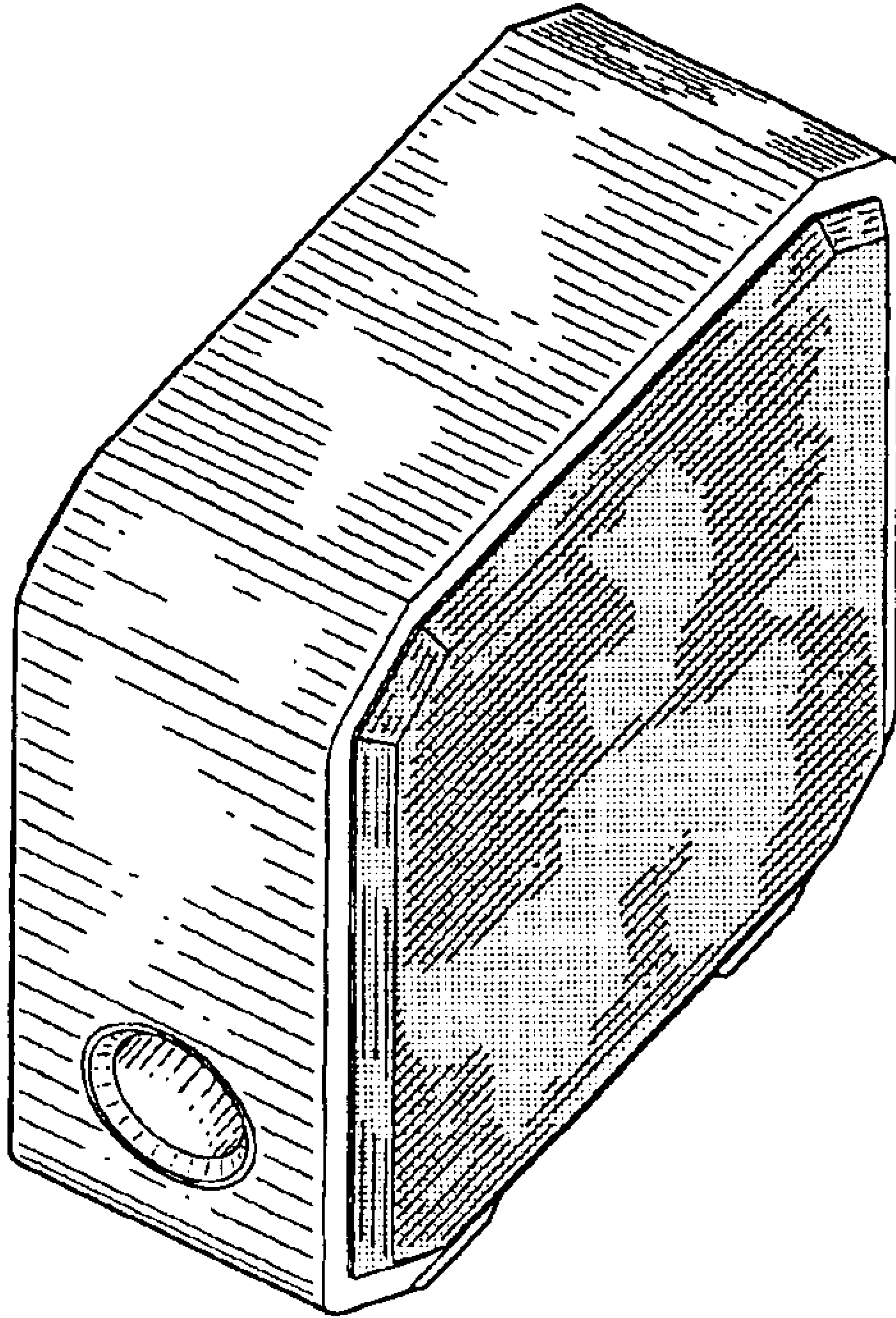


FIG. 1

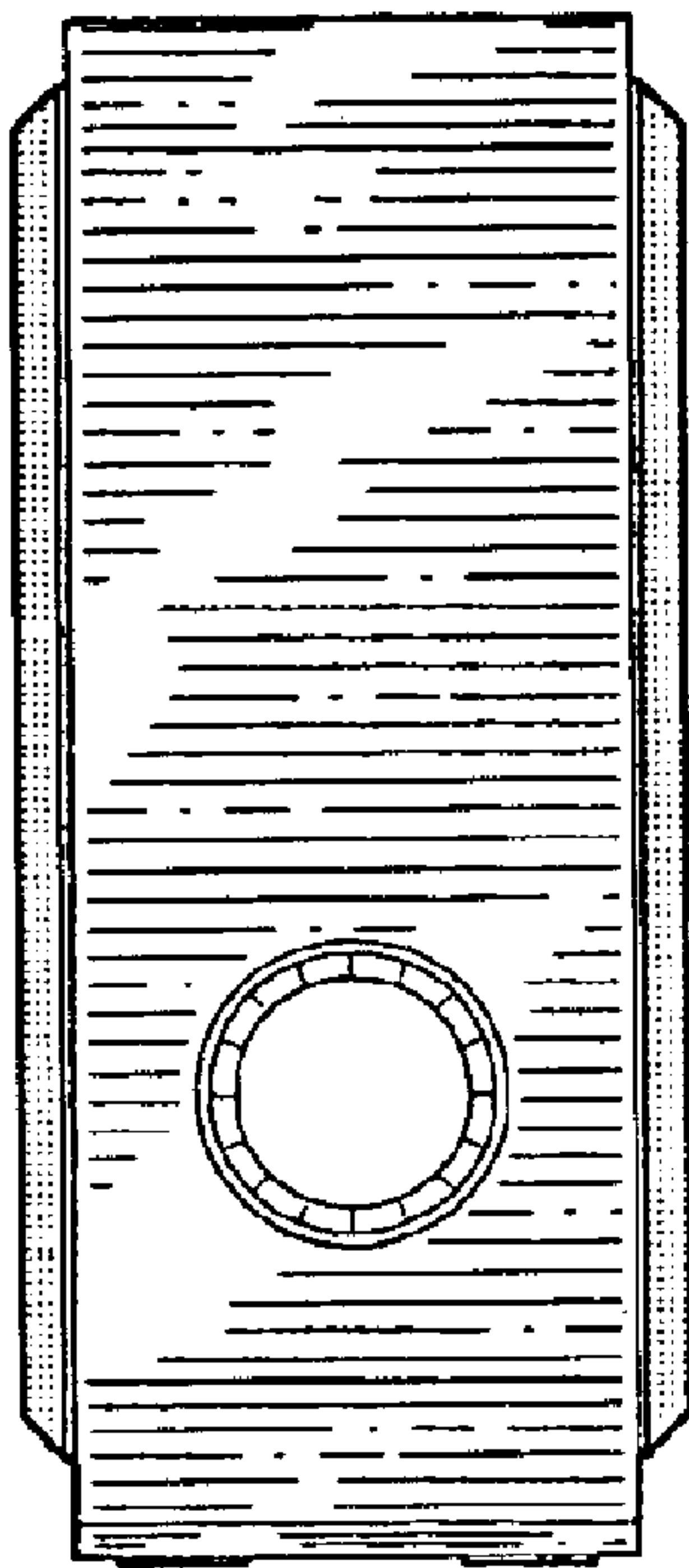


FIG. 2

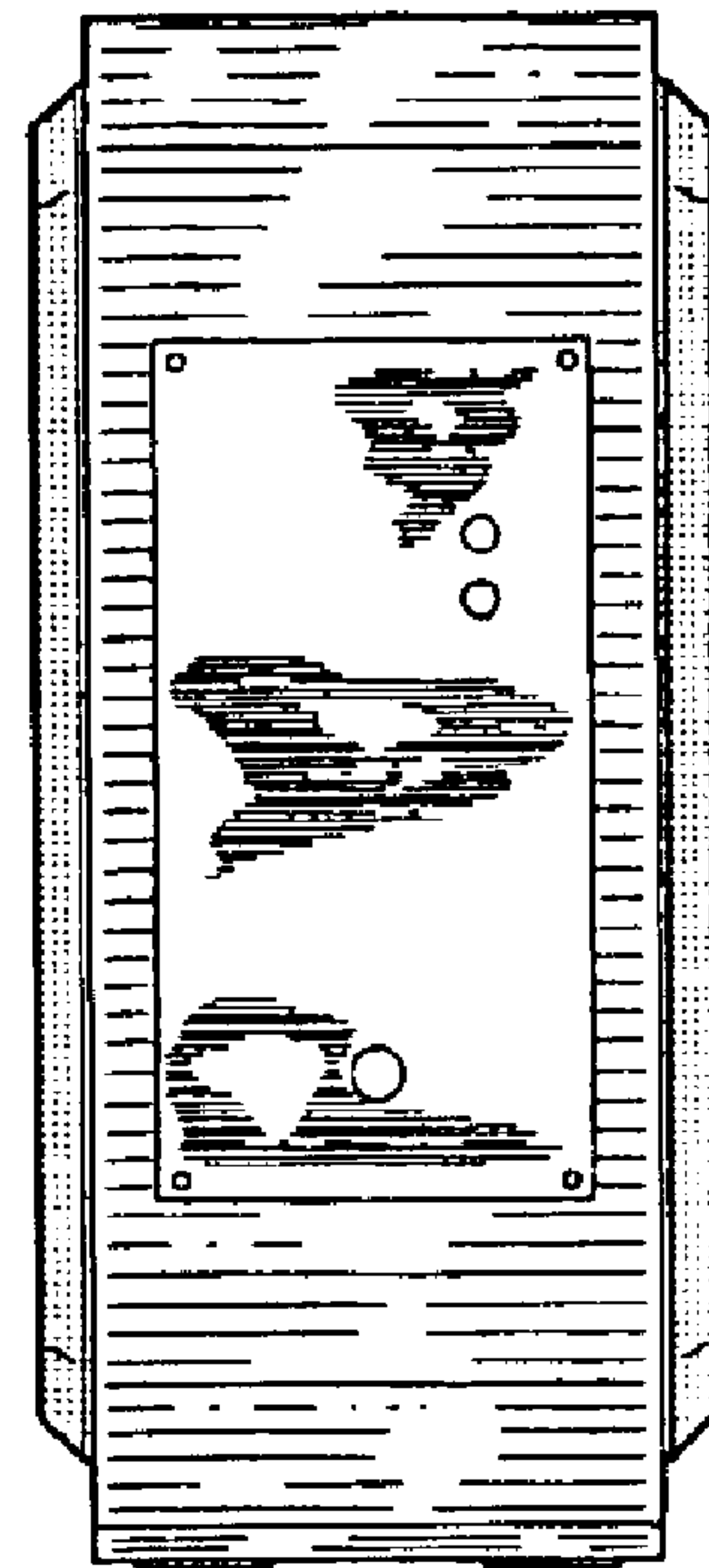


FIG. 3

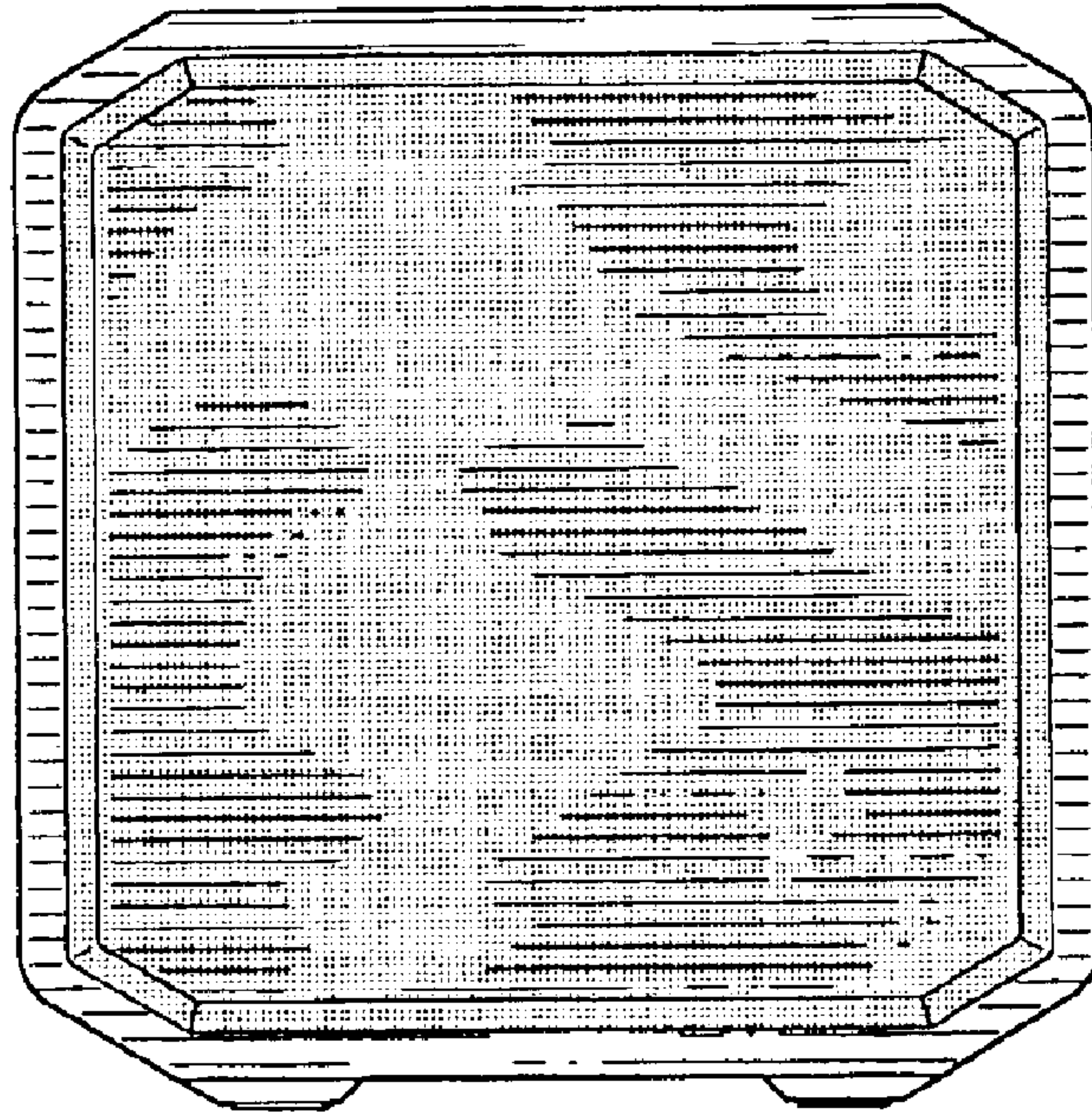


FIG. 4

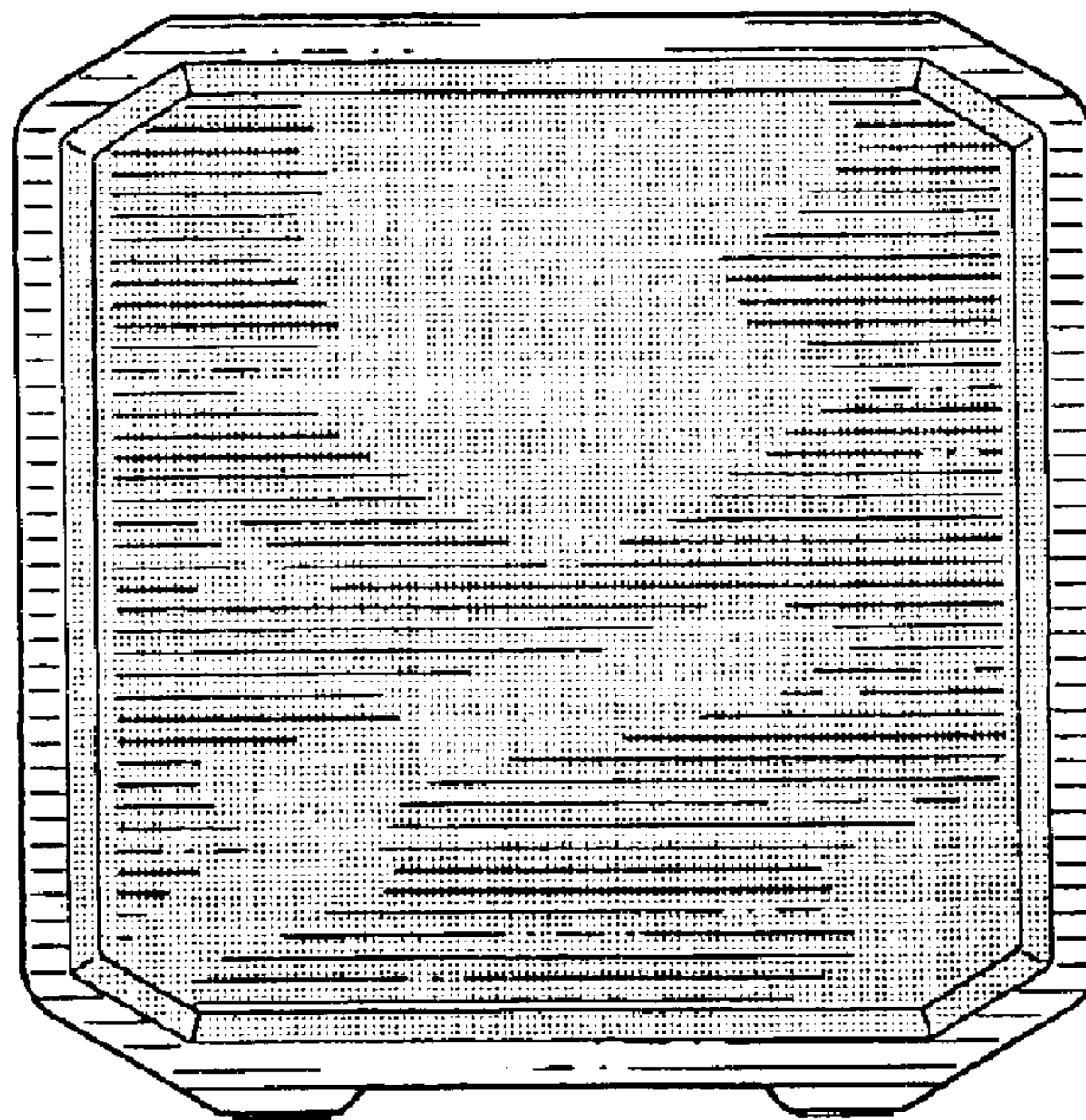


FIG. 5

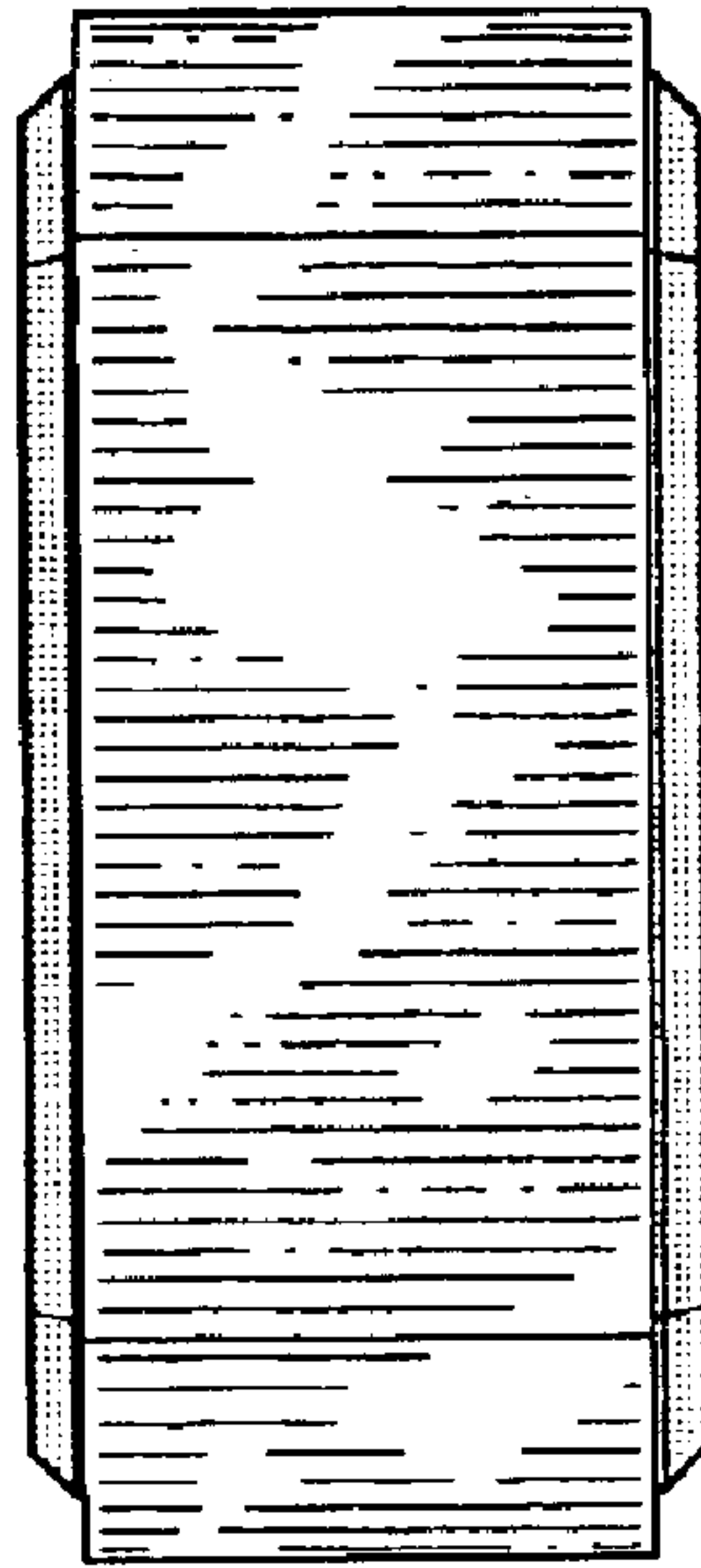


FIG. 6

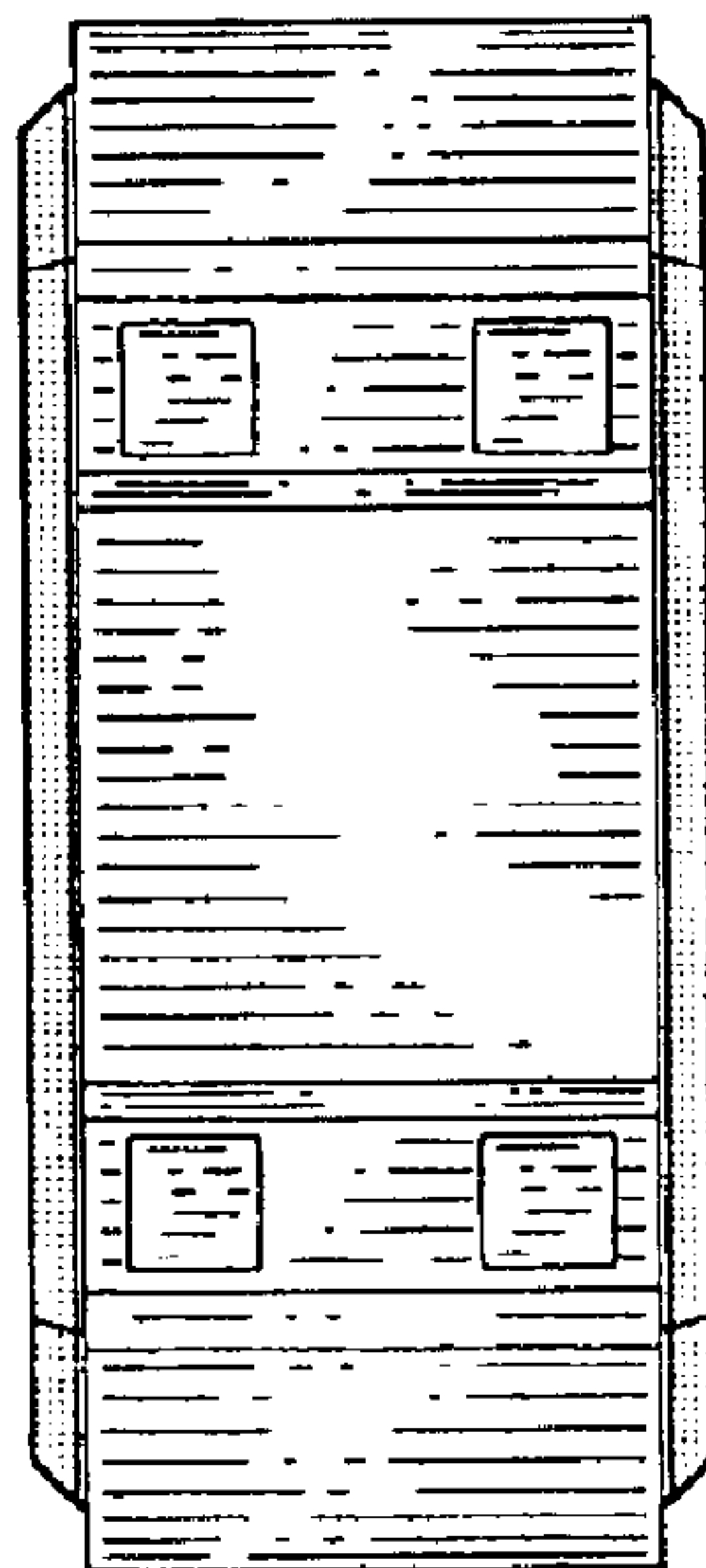


FIG. 7